



HARMAN

P R O F E S S I O N A L

2015

FULL-LINE CATALOG

AKG

AMX

ESS


CROWN

dbx

JBL
PROFESSIONAL

lexicon

Martin

Soundcraft

STUDER

Introduction: Corporate Overview



AKG's remarkable microphones and headphones are a synthesis of leading-edge industrial design, innovative electronics and world-class acoustics. AKG is also a technological powerhouse with over 1,500 international patent applications and the largest, best-equipped research and development facilities in the world. For over 60 years, AKG has used its considerable expertise and know-how to develop products that serve markets as diverse as music, recording and broadcast to permanent installation. For its many customers, "it all comes back to the sound" and as long as good sound and long, useful product life are important, they will keep coming back to AKG.



As the company that invented the control panel, AMX® has been leading innovation in automation and video distribution for over 30 years. Our philosophy of "AV for an IT World" has earned us a place in the boardrooms of Fortune 100 companies, the learning centers of top universities, and the control centers of presidents, prime ministers, defense departments, and intelligence centers around the globe. AMX excels at creating innovative, scalable technology solutions for meeting spaces as well as building-wide video distribution and management solutions.



BSS Audio has amassed an international reputation for providing reliable equipment that addresses the real needs of musicians. BSS's name can also be found in recording studios and in broadcast studio output. Their products, either live sound systems or fixed installations, are thoroughly researched and tested. The results are powerful, ergonomically packaged equipment. The complete reliability gained through the excellent design and quality assurance is why top performing artists and theatres throughout the world regularly choose BSS Audio systems.



For over 65 years, Crown has pioneered the design and manufacturing of world-class professional audio products, including amplifiers and system control products for a wide range of markets including systems integration, tour sound, cinema and portable PA. Today, Crown products are utilized by some of the largest and most respected sound companies in the world in live and fixed installation applications. Many of the biggest names in entertainment rely on Crown products to provide the highest quality sound on the biggest stages in music.



What makes dbx the most well-respected dynamics processing company? Besides years of leadership and expertise in the processing field, we have combined our detection and summing methods, known as True RMS Level Detection and True RMS Power Summing, to be "true" to the sounds that are heard by the human ear. dbx has patented integrated circuit designs that can detect and then process natural sounds over a broad range of signals. Wouldn't all musicians want their voices to be heard at their best?



Playback the last 60 years of music and motion picture recording and one name stands alone: JBL. Before THX and Dolby, before stereo and even hi-fi, there was JBL. Today, JBL's well-earned reputation has placed its speakers in all types of professional institutions, including legendary recording studios, famous concert venues and premier movie houses. Throughout those 60 years of technical breakthroughs, award winning.



Lexicon measures its success by the simple fact that they are the world-wide choice in digital processing by engineers, producers and performers. Their uncompromised integrity

has proven to be extremely successful over the years. History was made when our Reverb line was introduced at the 1978 AES Convention. It was considered the first commercially viable digital reverb system. Lexicon's innovations haven't stopped since. We continue to forge strategic partnerships that will ensure that our systems are always compatible with our customers' needs.

Martin

As a world leader in the creation of dynamic lighting solutions for the entertainment, architectural, and commercial sectors, Martin lighting and video systems are renowned the world over. Martin also offers a range of advanced lighting controllers, as well as a complete line of smoke machines as a complement to intelligent lighting. Martin operates the industry's most complete and capable distributor network with local partners in nearly 100 countries. Founded in 1987 and based in Aarhus, Denmark, Martin is the lighting division of global infotainment and audio company HARMAN International Industries.

Soundcraft

Drawing from a heritage of 40 years in mixing console design and manufacture, Soundcraft has developed a unique insight into professional audio requirements. From live sound to recording and broadcast, Soundcraft mixing consoles are built to perform and are responsible for delivering thousands of events day after day all around the world. With professional features, intuitive operation and uncompromised sound quality, Soundcraft has built a global reputation for delivering optimum performance every time.

STUDER

For 65 years, the Studer name has been synonymous in the world of professional audio with innovation, elegant design and unsurpassed excellence in engineering. Today, Studer is acknowledged as the leader in Digital Mixer Technology and offers the widest range of digital broadcast consoles and system components available from any manufacturer.

Table of Contents:

| | |
|-------------------------------|-----|
| Corporate Overview | 2-3 |
| Table of Contents | 3 |
| Contact Information | 4 |

| | |
|----------------------|----------|
| AKG | 5 |
| Full Line Catalog | |

| | |
|----------------------|------------|
| AMX | 119 |
| Full Line Catalog | |

| | |
|----------------------|------------|
| BSS | 147 |
| Full Line Catalog | |

| | |
|------------------------|------------|
| Crown | 171 |
| Full Line Catalog | |

| | |
|----------------------|------------|
| dbx | 197 |
| Full Line Catalog | |

| | |
|------------------------------------|------------|
| JBL Professional | 225 |
| JBL Professional Catalog | 225 |
| JBL Commercial Catalog | 313 |

| | |
|--------------------------|------------|
| Lexicon | 327 |
| Full Line Catalog | |

| | |
|-------------------------|------------|
| Martin | 343 |
| Full Line Catalog | |

| | |
|-----------------------------|------------|
| Soundcraft | 369 |
| Full Line Catalog | |

| | |
|-------------------------|------------|
| Studer | 395 |
| Full Line Catalog | |

| | |
|--------------------------|------------|
| Index | 417 |
| Complete Product Listing | |

| | |
|----------------------|---------|
| AKG | 418 |
| AMX | 419 |
| BSS | 419 |
| Crown | 419 |
| dbx | 419 |
| JBL | 419-420 |
| Lexicon | 420 |
| Martin | 420 |
| Soundcraft | 420 |
| Studer | 420 |

Introduction: Contact Information



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For other products and distributors worldwide see our website: www.jblpro.com

JBL Commercial

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ALPHABETICAL INDEX

| | | | | | | | | | |
|----------------------------|----------|--|---------------------|-----|-----------------------|-------------------|--------------------------|-----------------|----|
| A | | | CK69 ULS | 15 | G | | | PAE5 M | 80 |
| AB4000 | 67 | | CK77 SET | 41 | GN15 | 86 | PAESP M | 80 | |
| APS4 | 66 | | CK77 WR | 100 | GN15 (30, 50) E5 PIN | 86 | PCC130 | 94 | |
| ASU4000 | 67 | | CK80 | 85 | GN15 (30, 50) M | 79 | PCC160 | 93 | |
| AUDIO ARCHITECT PLUGIN | 69 | | CK91 | 33 | GN15 E | 86 | PCC170 | 94 | |
| AUTOMATIC MICROPHONE MIXER | 102 | | CK92 | 33 | GN15 ESP | 86 | PERCEPTION WIRELESS | 58 | |
| B | | | CK93 | 34 | GN155 M SET | 79 | PERCEPTION WIRELESS SETS | 60 | |
| B23 L | 25 | | CK94 | 34 | GN155 SET | 87 | PR4500 ENG | 42 | |
| B48 L | 25 | | CK97 | 100 | H | | | PR4500 ENG SETS | 43 |
| BOUNDARY LAYER MICROPHONES | 92 | | CK98 | 34 | HC577 L | 22, 98 | PT40 MINI | 63 | |
| C | | | CK99 L | 100 | HC577 SET | 41 | PT420 | 51 | |
| C1000 S | 16 | | CM311 | 23 | HEAD-WORN MICROPHONES | 98 | PT45 | 59 | |
| C111 LP | 24, 99 | | COMPACT 99ER SERIES | 88 | HM1000 | 87 | PT4500 | 39 | |
| C12 VR | 8 | | CS3 | 114 | HM1000 M | 80 | PT470 | 45 | |
| C214 | 11 | | CS3 BU | 114 | HSC15 | 77, 109, 117 | PZM10 | 97 | |
| C214 MATCHED PAIR | 13 | | CS3 CU | 115 | HSC171 | 77 | PZM11 | 97 | |
| C3000 | 17 | | CS3 DU | 115 | HSC271 | 76 | PZM11 LL WR | 97 | |
| C391 B | 33 | | CS3 TC | 116 | HSD171 | 77 | PZM185 | 94 | |
| C411 | 30 | | CS321 | 116 | HSD271 | 77 | PZM30 D | 93 | |
| C414 XLII | 11 | | CS5 | 104 | HT40 MINI | 63 | PZM6 D | 93 | |
| C414 XLII MATCHED PAIR | 13 | | CS5 BU | 104 | HT420 | 51 | R | | |
| C414 XLS | 10 | | CS5 DU | 105 | HT45 | 59 | RA4000 B/W | 67 | |
| C414 XLS MATCHED PAIR | 12 | | CS5 IU | 106 | HT4500 | 39 | RA4000 W | 67 | |
| C417 | 100 | | CS5 MF FRAME | 108 | HT470 | 45 | RHYTHM PACK | 31 | |
| C430 | 30 | | CS5 VU | 105 | HUB4000 Q | 68 | S | | |
| C451 B | 9 | | CS521 | 116 | I | | | SE300 B | 32 |
| C451 B MATCHED PAIR | 12 | | CSX BIR10 | 110 | IP2 | 49 | SOUND GRABBERII | 96 | |
| C480 B COMBO | 15 | | CSX CU50 | 111 | IPHONE APP | 69 | SPR4500 IEM | 49 | |
| C480 B ULS | 14 | | CSX IRR10 | 111 | IVM4500 IEM | 48 | SR40 MINI | 62 | |
| C5 WL1 | 40 | | CSX IRS10 | 110 | K | | | SR40 MINI DUAL | 63 |
| C516 ML | 29 | | CSX IRT3 | 112 | K121 STUDIO | 74 | SR420 | 50 | |
| C518 | 29 | | CSX IRT4 | 69 | K141 MKII | 74 | SR45 | 58 | |
| C519 | 29 | | CU400 | 69 | K15 | 74, 109, 113, 117 | SR4500 | 38 | |
| C520 | 23 | | CU4000 | 69 | K171 MKII | 73 | SR470 | 44 | |
| C535 EB | 18 | | D | | | 73 | SRA2 B/W | 67 | |
| C535 WL1 | 40 | | D112 | 27 | K240 MKII | 73 | SRA2 W | 67 | |
| C544 L | 24, 99 | | D12 VR | 26 | K271 MKII | 73 | SST4500 IEM | 48 | |
| C547 BL | 93 | | D230 | 21 | K44 PERCEPTION | 75 | ST6 | 83 | |
| C555 L | 24 | | D40 | 28 | K553 PRO | 72 | STS DAM+ | 83 | |
| C562 CM | 97 | | D5 (S) | 19 | K612 PRO | 71 | STS DAM+ WL | 82 | |
| C568 B | 35 | | D5 WL1 | 40 | K701 | 72 | U | | |
| C747 V11 | 35 | | D58 E | 101 | K702 | 72 | UWA9 M | 83 | |
| CBL31 WLS | 92 | | D7 (S) | 19 | K712 PRO | 75 | V | | |
| CBL410 PCC | 96 | | D7 SET | 41 | K77 PERCEPTION | 70 | VM2 | 69 | |
| CBL99 | 96 | | D7 WL1 | 40 | K812 | 75 | W | | |
| CC V3 | 108, 117 | | DAM SERIES | 84 | K99 PERCEPTION | 75 | W40 M | 83 | |
| CGN321 STS | 91 | | DAM+ SERIES | 78 | M | | | WMS40 MINI | 62 |
| CGN331 E | 87 | | DGN99 | 101 | MB3 | 95 | WMS40 MINI SETS | 64 | |
| CGN341 E DAM+ SET | 81 | | DHT700 V2 | 37 | MB4 | 83 | WMS420 | 50 | |
| CGN521 STS | 90 | | DHTTETRAD D5 | 55 | MF M | 25 | WMS420 SETS | 52 | |
| CGN99 C | 88 | | DHTTETRAD P5 | 103 | MPA V L | 17 | WMS4500 | 38 | |
| CGN99 H | 89 | | DMM12 | 102 | P | | | WMS4500 SETS | 41 |
| CHM99 | 89 | | DMM12 BC | 103 | P120 | 17 | WMS470 | 44 | |
| CK31 | 85 | | DMM6 | 36 | P170 | 27 | WMS470 SETS | 46 | |
| CK32 | 85 | | DMS700 V2 | 56 | P2 | 17 | | | |
| CK33 | 84 | | DMSTETRAD SETS | 37 | P220 | 20 | | | |
| CK41 | 79 | | DPT700 V2 | 55 | P3 S | 28 | | | |
| CK43 | 79 | | DPTTETRAD | 31 | P40 | 28 | | | |
| CK47 | 85 | | DRUM SET PREMIUM | 31 | P4 | 17 | | | |
| CK49 | 78 | | DRUM SET SESSION I | 36 | P420 | 20 | | | |
| CK61 ULS | 15 | | DSR700 V2 | 54 | P5 | 17 | | | |
| CK62 ULS | 15 | | DSRTETRAD | 101 | P820 TUBE | 80 | | | |
| CK63 ULS | 15 | | DST99 S | | PAE M | | | | |

REFERENCE RECORDING MICROPHONES

THE SOUND OF A LEGENDARY BRAND

For more than six decades, AKG microphones and headphones have been setting the standard in countless radio, television and recording studios around the world. The distinctively classic AKG large diaphragm sound is characterized by a silky soft, natural acoustic pattern and unsurpassed distinction in the mix. Its typical frequency curve removes harsh elements from the human voice, yet the signal stays in the foreground even at low levels.

The secret of the incredible quality of AKG reference recording microphones is the specific design of the razor thin, gold-plated capsule. Contact is achieved by the outer ring allowing the complete surface of the membrane to oscillate freely and unimpeded. These prized capsules are hand built in Vienna and individually tested with the most modern precision measuring technology. AKG products are an essential investment in the perfect sound: they are extremely reliable, have a proven industry track record and continue to appreciate in post sale value.



C12 VR

REFERENCE MULTIPATTERN TUBE CONDENSER MICROPHONE



THE HOLY GRAIL OF MICROPHONES

Legendary tube sound for lead vocals, brass instruments and electric guitars

The C12 VR is the reference multipattern tube studio condenser microphone with nine polar patterns selectable by a remote control. Among sound engineers, the AKG C12 is considered the holy grail of microphones. This legendary microphone, first built in the 1950s, is one of the most famous tube microphones in history, and its successor is today's C12 VR. The C12 VR is an enhanced version of the original C12, from the capsule sound to the original 6072A vacuum tube.

- **The legendary AKG sound used on dozens of number-1-hits**
an enhanced version of the highly sought-after AKG C12 built 1953-1960
- **Edge-terminated CK12 capsule and original 6072A vacuum tube**
provide a sound that is simply beyond words
- **Selected state-of-the-art components**
ensure low noise and reliable operation
- **Nine remotely selectable polar patterns**
for maximum flexibility and ease of use
- **Carefully handcrafted in Vienna, Austria**
meticulous attention to detail ensures highest quality

Included accessories: H15 T, MK Tube, N12 VR, W42

Item Number: 2221Z00040



C451 B

REFERENCE SMALL-DIAPHRAGM CONDENSER MICROPHONE



ONE FOR THE ROAD

for drums, percussion, acoustic guitar and strings

The C451 B is a small-diaphragm condenser microphone with the identical acoustical behavior of its predecessor, the legendary C451 EB + CK1 capsule, which was a bestseller right from the start in 1969. With its airy sound, high overload limit and improved engineering details, the C451 B continues the success story of this legend. The roadworthy design around the hand-crafted capsule and the low-noise preamp electronics ensure impressive results even under very harsh conditions.

- **Sound of the legendary C451 EB + CK1 capsule from 1969**
delivers stunning sound quality with maximum accuracy
- **Established tour sound standard since the 1980s**
for excellent sound quality even under harsh on-stage conditions
- **Impressive sound pressure level capability of 155dB SPL**
allows close-miking of high-energy sound sources without distortion
- **Highly effective high-pass filter with 12dB/octave**
prevents low-end distortion caused by rumble or wind noise
- **Transformerless preamp and surface mount technology**
provides extremely low distortion, highest reliability and less weight

Included accessories: W90, SA60, Microphone bag

Item Number: 2895Z00010



C414 XLS

REFERENCE MULTIPATTERN CONDENSER MICROPHONE



A LEGEND SINCE 1971

the most versatile microphone for vocals and instruments in studio and on stage

The C414 XLS multipattern condenser microphone offers a choice of nine polar patterns for the perfect sonic capture for every application. A peak hold LED displays even the shortest overload peaks. For live-sound applications and permanent installations, all controls can easily be disabled for trouble-free use. The C414 XLS maintains the sonic character of the legendary C414 B-ULS, the most popular AKG C414 version since 1971. Engineered for highest linearity and neutral sound, it has been the most versatile large-diaphragm microphone for decades.

- **Engineered for highest linearity and neutral sound**
for beautifully detailed recording of vocals and any acoustic instrument
- **Nine selectable polar patterns**
for the perfect setting for every application
- **Three attenuation levels (-6/-12/-18dB)**
for close-up recording or high-output sources of up to 158dB SPL
- **Three different switchable bass-cut filters**
to reduce wind noise, subsonic noise or proximity effect
- **Overload warning with audio peak hold LED**
to detect shortest audio peaks

Included accessories: H85, PF80, Metal carrying case

Item Number: 3059Z00050



C414 XLII

REFERENCE MULTIPATTERN
CONDENSER MICROPHONE



THE CLASSIC C12 SOUND

*for recording of lead vocals and solo instruments in studio
and on stage*

The C414 XLII multi-pattern condenser microphone offers a choice of nine polar patterns for the perfect sonic capture for every application. A peak hold LED displays even the shortest overload peaks. For live-sound applications and permanent installations, all controls can easily be disabled for trouble-free use. The C414 XLII version differs from the C414 XLS version in one major respect – the capsule. The C414 XLII's slight presence boost and impressive spatial reproduction are both similar to the legendary AKG C12 microphone from 1953.

- **Sonic character of the famous AKG C12**
delivers astounding sound quality for lead vocals and solo instruments
- **Nine selectable polar patterns**
for the perfect setting for every application
- **Three attenuation levels (-6/-12/-18dB)**
for close-up recording or high-output sources of up to 158dB SPL
- **Three switchable different bass-cut filters**
to reduce wind noise, stage vibration or proximity effect
- **Overload warning with audio peak hold LED**
to detect shortest audio peaks

Included accessories: H85, PF80, Metal carrying case

Item Number: 3059Z00060



C214

REFERENCE LARGE-
DIAPHRAGM CONDENSER
MICROPHONES



ENGINEERED EXCELLENCE

*for recording of lead vocals and solo instruments in studio
and on stage*

The C214 large-diaphragm condenser microphone has been designed as a cost-effective alternative to the high-end C414 family. Like the C414, the C214 offers a supreme one-inch capsule on an integrated suspension to reduce mechanical noise. A switchable 20dB attenuation pad allows recording of loud sources of up to 156dB SPL. A switchable bass-cut filter allows close-up recording with almost no proximity effect. The C214 captures sound by combining one capsule of the legendary C414 dual-capsule system and the patented AKG Back-Plate Technology, resulting in an outstanding performance close to the famous C414 XLII.

- **Sonic character of the C414 XLII**
for beautifully detailed recording of lead vocals and solo instruments
- **Outstanding dynamic range and ultralow noise**
for close-up recording of high-output sources of up to 156dB SPL
- **Switchable 20dB attenuator and bass-cut filter**
for close-up recording and reduction of proximity effect
- **Integrated suspension**
to reduce mechanical noise and vibration from stage
- **Roadworthy design**
all-metal die-cast body with shock- and scratch-resistant finish

Included accessories: H85, Metal carrying case

Item Number: 3185Z00010



C451 B Matched Pair

MATCHED PAIR STEREO SET

PERFECT TWINS

for stereo recording of any acoustic instruments in studio and on stage

The C451 B is a reference small-diaphragm condenser microphone. With its airy sound, high overload limit and improved engineering details, the C451 B continues the success story of its predecessor, the legendary C451 EB + CK1 capsule. Roadworthy design around the handcrafted capsule and low-noise pre-amp electronics ensure impressive results. Selected from thousands of individual microphones, both microphones of the matched pair show a maximum variance of 1 dB at the frequency response and have identical sensitivity.

- The C451 B Matched Pair Stereo Set Package includes:
- 2 x C451
- 2 x Stand adapter
- 2 x Windscreen
- 1 x Stereo mounting bar
- Aluminum carrying case
- Measurement documents



C414 XLS Matched Pair

MATCHED PAIR STEREO SET

PERFECT TWINS

for stereo recording of any acoustic instruments in studio and on stage

The C414 XLS reference multipattern condenser microphone offers a choice of nine polar patterns for the perfect sonic capture for every application. The C414 XLS maintains the sonic character of the legendary C414 B-ULS, the most popular AKG C414 version since 1971. Engineered for highest linearity and neutral sound, it has been the most versatile large-diaphragm microphone for decades.

- The C414 XLS Matched Pair Stereo Set Package includes:
- 2 x C414 XLS
- 2 x Elastic spider suspensions
- 2 x Stand adapter
- 2 x Windscreen
- 1 x Stereo mounting bar
- Aluminum carrying case
- Measurement documents



C414 XLII Matched Pair

MATCHED PAIR STEREO SET

PERFECT TWINS

for stereo recording of any acoustic instruments in studio and on stage

The C414 XLII reference multi-pattern condenser microphone offers a choice of nine polar patterns for the perfect sonic capture for every application. The C414 XLII's slight presence boost and impressive spatial reproduction are both similar to the legendary AKG C12 microphone from 1953.



C214 Matched Pair

MATCHED PAIR STEREO SET

PERFECT TWINS

for stereo recording of any acoustic instruments in studio and on stage

The C214 large-diaphragm condenser microphone has been designed as a cost-effective alternative to the high-end C414 family. The C214 captures sound by combining one capsule of the legendary C414 dual-capsule system and the patented AKG Back-Plate Technology, resulting in an outstanding performance close to the famous C414 XLII.

- The C414 XLII Matched Pair Stereo Set Package includes:
- 2 x C414 XLII
- 2 x Elastic spider suspensions
- 2 x Stand adapter
- 2 x Windscreen
- 1 x Stereo mounting bar
- Aluminum carrying case
- Measurement documents

- The C214 Matched Pair Stereo Set Package includes:
- 2 x C214
- 2 x Elastic spider suspensions
- 2 x SA60 stand adapter
- 2 x Windscreen
- 1 x Aluminum carrying case
- Measurement documents

MODULAR RECORDING MICROPHONES (ULS SERIES)

MODULAR FLEXIBILITY FOR PINPOINT PRECISION

Special microphones are an absolute must for difficult and complex applications. With the ULS, AKG offers a modular condenser small diaphragm microphone series which combines the finest nuances in reproduction with an exceptional level of precision. Its modular design allows precise low source sound pick up and maximum flexibility in the choice of capsule and required directional characteristics.

The ULS series is based on a special low noise microphone amplifier and offer a variety of competitively priced application possibilities in combination with different capsules and assorted accessories. The ultra-light capsule membrane not only provides substantial reduction in structure borne noise, but a high resistance to RF and electromagnetic interference ensures trouble-free operation even in the most challenging conditions.



C480 B ULS

REFERENCE MODULAR PRE-AMP

JUST PURE SOUND

designed for the most demanding studio and broadcast applications

The C480 B is the pre-amp for the ultralinear series capsules, CK61, CK62, CK63, and CK69 ULS, and represents one of the quietest microphone amps ever built. Its electronic circuitry coupled with a transformerless output stage assures completely linear transfer characteristics across the entire frequency range, while achieving self-noise figures close to the theoretical minimum. A specially designed output stage drives difficult loads like excessively long cables without harming the signal quality. The C480 B offers a two-step high-pass filter and two gain stages of either -10dB or +6dB.

-
- **Sophisticated microphone pre-amp design**
for ultralow noise performance
 - **Transformerless output**
provides extremely low distortion, highest reliability and less weight
 - **Switchable attenuation pad**
enables high SPL applications up to 144dB
 - **Switchable bass-cut filter**
eliminates rumble or footfall noise
 - **Specially designed output stage for difficult loads**
drives excessively long cables with no signal degradation

Item Number: 2180Z00150



C480 B Combo

REFERENCE MODULAR
CONDENSER MICROPHONE



The C480 B Combo is a combination of C480 B pre-amp and the CK61 ULS capsule.

Included accessories: W32

Item Number: 2200Z00330



CK61 ULS

REFERENCE CARDIOD
CONDENSER MICROPHONE
CAPSULE



The CK61 ULS professional small condenser capsule is characterized by a ruler-flat frequency response and an unmatched consistent cardioid polar pattern.

Included accessories: W32

Item Number: 2231Z00210



CK62 ULS

REFERENCE OMNIDIRECTIONAL
CONDENSER MICROPHONE
CAPSULE



The CK62 ULS professional small condenser capsule is characterized by a ruler-flat frequency response and an omnidirectional polar pattern.

Included accessories: W32

Item Number: 2231Z00220



CK63 ULS

REFERENCE HYPERCARDIOID
CONDENSER MICROPHONE
CAPSULE



The CK63 ULS professional small condenser capsule is characterized by a ruler-flat frequency response. Above all its consistent hypercardioid polar pattern provides unmatched channel separation.

Included accessories: W32

Item Number: 2231Z00250



CK69 ULS

REFERENCE SMALL CONDENSER
MICROPHONE SHOTGUN
CAPSULE



The CK69 ULS professional shotgun capsule delivers perfect results for film/TV outdoor applications or indoor front-of-stage recording. It has a unique two-shotgun-capsules-in-one-microphone design.

Included accessories: W48

Item Number: 2669Z00010

PROJECT STUDIO MICROPHONES

STEPPING INTO THE WORLD OF THE
PROFESSIONAL STUDIO

As more projects (jingles, internet radio, voice, music and productions in universities) are recorded in small and inexpensive studios, AKG has developed the price and performance beating Project Studio Line deriving directly from the capsule technology of the legendary reference recording microphones C12 and C414.

The AKG large membrane system offers a warm, silky sound with a strong punch in the mix. However, the AKG small membrane systems provide a pristine, very precise sound which means that a wide range of different tone colors can be combined into a perfect sound. In essence, microphones from the AKG Project Studio Line bring together a nuanced wealth of professional sound tools with the most up-to-date edge termination technology. Project Studio Line – welcome to the big time.



C1000 S

PROFESSIONAL SMALL DIAPHRAGM CONDENSER
MICROPHONE



THE SWISS ARMY KNIFE OF MICROPHONES

*for vocal and instrumental recording, on stage, in ENG/EFP
and video production*

The updated version of the C1000 S multipurpose small-diaphragm condenser microphone is extremely popular for its versatility. It is suitable for recording and live-sound applications as well as for ENG/EFP and video productions. Its gold sputtered capsule housing makes the microphone extremely rugged against humidity. If no phantom power is available, the C1000 S can be powered by two standard AA batteries for up to 120 hours.

-
- **Gold sputtered microphone capsule and XLR pins**
give high immunity against humidity
 - **Powered by internal AA batteries or by phantom power**
for use with any equipment and every application
 - **Bass cut and -10 dB switchable**
for amazing versatility in every situation
 - **Presence boost adapter**
provides three frequency settings for different sound sources
 - **Unique polar pattern converter**
allows the microphone to be switched from cardioid to hyper-cardioid

Included accessories: Microphone bag, SA63, PPC1000, W1001

Item Number: 3354X00010



C3000

PROFESSIONAL LARGE-DIAPHRAGM CONDENSER MICROPHONE



The C3000 high-performance, large-diaphragm condenser microphone has been a standard for live applications and studio recording for almost two decades.

Included accessories: H85

Item Number: 2785X00230



P820 Tube

HIGH-PERFORMANCE DUAL-CAPSULE TUBE MICROPHONE



The P820 Tube high-performance multi-pattern tube microphone is an excellent tool for highlighting lead vocals, brass instruments, electric guitars and drums.

Included accessories: Metal carrying case, Spider Shock Mount,

Item Number: 3101H00440



P420

HIGH-PERFORMANCE DUAL-CAPSULE TRUE CONDENSER MICROPHONE



The P420 is a multi-pattern large diaphragm true condenser microphone for demanding project studio recording applications.

Included accessories: Metal carrying case, Spider Shock Mount

Item Number: 3101H00430



P220

HIGH-PERFORMANCE LARGE DIAPHRAGM TRUE CONDENSER MICROPHONE



The P220 is a large-diaphragm true condenser microphone offering a warm and clear sound for lead vocals, acoustic guitar and brass instruments.

Included accessories: Metal carrying case, Spider Shock Mount

Item Number: 3101H00420



P170

HIGH-PERFORMANCE INSTRUMENTAL MICROPHONE



The P170 is a small-diaphragm condenser microphone for recording of overheads, percussions, acoustic guitars and other strings. It utilizes the experience of sound engineers from around the world.

Included accessories: Stand adapter

Item Number: 3101H00410



P120

HIGH-PERFORMANCE GENERAL PURPOSE RECORDING MICROPHONE



The P120 is a 2/3-inch diaphragm true condenser microphone that offers solidly built quality, outstanding performance and excellent value.

Included accessories: Stand adapter

Item Number: 3101H00400

HANDHELD VOCAL MICROPHONES

BURSTING THROUGH THE MIX

Studio microphones from AKG have been internationally recognized for decades. Yet over the years this essential studio based experience has been utilized and deployed for many diverse live applications. This means AKG microphones have become steadily popular on stages throughout the world, and proven themselves again and again in a multitude of wide-ranging and demanding live settings. With their robustness, reliability and the ease with which the voice is established in the mix, AKG microphones have become the microphone of choice for many international music performers.

AKG has a perfect microphone for every voice and every style. For vocalists in a loud stage environment or where a person is less experienced in the use of microphone technology, AKG recommends dynamic handheld vocal microphones. These are not only less sensitive to ambient noise, but can also withstand higher acoustic pressure levels. To enable a higher degree of professional vocal intimacy on the stage, however, AKG vocal condenser equipped microphones are the first choice. Both types boast a stylish almost unobtrusive design, whilst outstanding balance and weight distribution allow for hours of tireless performing.



C535 EB

REFERENCE CONDENSER VOCAL MICROPHONE



THE VOICE OF THE VOICE

for demanding lead vocals and fine discrete recordings

The C535 EB reference handheld condenser vocal microphone is a classic, legendary microphone that we make our way. It provides the ultimate combination of excellent, highly detailed audio and exceptional ruggedness. A bass cut/roll off filter and a switchable pre-attenuation pad let you match the frequency response and output level to the most diverse recording and onstage miking situations. The C535 EB's perfect weight distribution ensures fatigue-free handling for demanding vocalists!

-
- **One of the most legendary vocal stage microphones**
valued by iconic artists for more than four decades
 - **Delicate gold-plated condenser capsule**
for detailed pickup of unique individual timbres
 - **Perfect weight distribution from wire mesh to body**
for comfortable handling over long performances
 - **Switchable pre-attenuation pad**
to adjust the output level
 - **Bass cut/roll off filter**
reduces unwanted rumble or footfall noise

Included accessories: Microphone bag, SA61

Item Number: 2135Z00030



D7 (S)

REFERENCE DYNAMIC VOCAL MICROPHONE



POWERFUL SOUND FOR PROFESSIONALS

for demanding lead vocals

The D7 reference dynamic vocal microphone creates the subtle and open sound of a condenser capsule with the powerful resonance of a dynamic microphone. The patented dual-layer Varimotion diaphragm can vibrate unhindered, which results in an extraordinarily crisp and clean sound. The unique laminated material damps high resonance peaks in the frequency response, which in combination with the tight, supercardioid polar pattern enables the D7's outstanding high gain before feedback.

- **Dual-thickness Varimotion diaphragm**
provides a subtle and open sound in all frequency ranges
- **Highest feedback suppression**
laminated diaphragm material damps critical resonance peaks
- **Integrated hum compensation coil**
for the cleanest sound
- **Precision metal dust filter**
protects the capsule from sound-changing pollution

Included accessories: Microphone bag, SA61, Inner windscreen

Item Number:

D7: 3139X00010

D7 S: 3139X00020 with switch



D5 (S)

REFERENCE DYNAMIC VOCAL MICROPHONE



CUTS THROUGH THE MIX

for lead and backing vocals

The D5 professional dynamic vocal microphone for lead and backing vocals delivers a powerful sound even on the noisiest stage. Its frequency-independent supercardioid polar pattern ensures maximum gain before feedback. The D5 stands for a crisp sound that cuts through every mix. The dual shock mount eliminates any kind of mechanical noise for trouble-free live use. The audience will hear the pristine sound of your voice!

- **Patented laminated Varimotion diaphragm**
for crisp sound that cuts through every mix
- **High feedback suppression with supercardioid polar pattern**
for trouble-free use with on stage monitoring
- **Dual shock mount of microphone capsule**
eliminates any kind of handling noise
- **Integrated pop filter**
for elimination of pops and wind noise

Included accessories: Microphone bag, SA61

Item Number:

D5: 3138X00070

D5 S: 3138X00090 with switch

D5 Stagepack: 3138X00320 with 5 m/16 ft XLR-cable, microphone stand (165cm, 4.4ft) with boom



P5

HIGH-PERFORMANCE DYNAMIC
VOCAL MICROPHONE



P3 S

HIGH-PERFORMANCE
DYNAMIC MICROPHONE



GET THE LEAD

for lead vocals

The Perception P5 high-performance dynamic vocal microphone delivers powerful sound for lead vocals. Its supercardioid polar pattern ensures utmost gain before feedback and ambient noise suppression, even on the noisiest stage.

The Perception P5 comes in a heavy-duty metal body to withstand tough stage performances. An integrated windscreen efficiently eliminates pop and wind noise. The microphone is available with (P5 S) or without (P5) on/off switch. The package includes a stand adapter and a zip bag.

RAGE HARD

for backing vocals, guitar and wind instruments

The C451 B is a small-diaphragm condenser microphone with the identical The Perception P3 S is a high-performance dynamic microphone ideal for backing vocals, guitar and wind instruments. Its cardioid polar pattern picks up sound from in front of the microphone while reducing feedback and unwanted noise from behind.

The Perception P3 S provides a sturdy metal case and wire-mesh grille for exceptional ruggedness. The microphone offers a convenient on/off switch for noiseless muting.

- **High feedback suppression with supercardioid polar pattern**
for trouble-free use with on-stage monitoring
- **Integrated windscreen**
for elimination of pops and wind noise
- **24-carat gold-plated XLR connector**
For optimum conductivity and resistance to corrosion
- **Rugged wire-mesh cap and full metal body**
withstand every live performance

Included accessories: Microphone bag, SA45 Table stand

Item Number:

P5 3100H00110

P5 S 3100H00120 with switch

- **Cardioid polar pattern**
optimum feedback rejection for trouble-free use on small stages
- **Integrated windscreen**
for elimination of pops and wind noise
- **Rugged wire-mesh cap and sturdy die-cast metal body**
withstand tough day-to-day stage use
- **24-carat gold-plated XLR connector**
for optimum conductivity and resistance to corrosion
- **On/off switch**
for noiseless muting

Included accessories: Microphone bag, SA45 Table stand

Item Number: 3100H00140



D230

HIGH-PERFORMANCE DYNAMIC ENG MICROPHONE



FAR-REACHING

for ENG/EFM application

The D230 is a rugged dynamic ENG microphone that delivers exceptional sensitivity and clarity. For decades it has been a standard in the demanding news-gathering field. Because of its omnidirectional pickup, it is insensitive to varying speech distances. An integrated windscreen efficiently reduces wind noise and plosives.

The D230 features an extended shaft for easy placement of station flags without typical handling problems. The body is made of extremely rugged die-cast metal with a nonreflective surface for low-profile on-camera operation.

-
- **Omnidirectional polar pattern**
for unchanged sound at varying speech distances
 - **Rugged all-metal body**
for heavy-duty use and longest lifetime
 - **Integrated windscreen**
minimizes wind noise and plosives

Included accessories: SA44

Item Number: 2558X00020

HEAD-WORN VOCAL MICROPHONES

MOVING TO THE GROOVE!

A pulsating beat, an energetically rhythmic singer, arms outstretched gesticulating wildly to the music. Even during intensive performances, so small and unobtrusive that they are all but undetectable, AKG head-worn microphones are the unequalled first choice for movement intensive singers, musicians and dancers.

Although the ingenious head-band offers excellent stability even with sudden and jerky movements, the fixed placement of the microphone near the mouth always ensures a static or fixed distance allowing minimal feedback, enhanced signal reliability and a unique stage sound.

In combination with all AKG wireless systems, an ultra-light, humidity-resistant construction means that AKG head-worn microphones not only guarantee first-class sound reproduction and exceptional reliability, but are also perfect for the most energy intense and high perspiratory of performances and shows.



HC577 L

REFERENCE HEAD-WORN MICROPHONE



NO SWEAT

for theater and broadcast applications

The HC577 L is an extremely small reference head-worn microphone, designed for on-stage use. The microphone uses a CK77 omnidirectional transducer that has been an industry standard for lavalier capsules for years and ensures superior audio performance. A patented body design protects the microphone from moisture and perspiration. The capsule uses the signal of two vertical diaphragms mounted back to back, mixed out of phase to cancel out mechanical and cable noise.

-
- **Adjustable headband and left/right selectable boom**
for maximum comfort and flexibility
 - **Dual-diaphragm transducer**
for suppression of cable noise
 - **Resistant to moisture, perspiration and salts**
withstands sudorific stage performances
 - **Interchangeable capsule module**
for quick and easy service
 - **Omnidirectional polar pattern**
for unchanging sound quality in all directions

Included accessories: W77 MP, Dropring,

Item Number: 3141Z00010



CM311

REFERENCE HEAD-WORN CONDENSER MICROPHONE



BE DIFFERENT

for touring and live-sound applications

The CM311 reference head-worn condenser microphone is designed for touring and live-sound applications. It sounds like the best handheld microphones – full, clear and distortion-free, even with the loudest singers. Differoid stands for differential cardioid, which cancels ambient noise from floor monitors, crowds and other sources. Controlled field tests show that the Differoid provides up to 12dB more gain before feedback than conventional cardioid microphones. Many users of CM311 say that their house mix is better because the mic's isolation is nearly complete.

- **Differoid noise-cancelling technology**
for highest ambient noise rejection
- **Cardioid polar pattern**
for outstanding gain before feedback
- **Condenser capsule with internal shock mount**
for efficient rejection of mechanical and body noise
- **Robust headband construction**
for maximum comfort and freedom of movement

Item Number:

CM311 MiniXLR: 6000H50940 with 3-pin mini XLR connector for use with B23 L, MPA V-L and all AKG body-pack transmitters
CM311 W/TA4F: 6000H50950 with 4-pin mini-XLR W/TA4F connector for various body-pack transmitters
CM311 XLR: 6000H50930 with XLR connector



C520

PROFESSIONAL HEAD-WORN CONDENSER MICROPHONE



FREE YOUR VOCALS

for hands-free lead and backing vocals

The C520 professional head-worn condenser microphone with maximum dynamic range for perfect vocal sound. An ideal choice for frontmen, singing keyboardists, drummers, guitarists and dancing performers needing a hands-free microphone. The moisture shield prevents perspiration from penetrating into the transducer element, ensuring a high degree of humidity protection for the microphone. The C520 provides a transducer shock mount to reduce body noise to a minimum. Its cardioid polar pattern effectively rejects unwanted ambient noise.

- **Lightweight and adjustable headband construction**
for maximum comfort and freedom of movement
- **Left and right flexible boom mounting**
for precise positioning to the sound source
- **Condenser capsule on flexible shock mount**
for efficient rejection of mechanical, ambient and body noise
- **Moisture shield**
ensuring a dry microphone capsule

Included accessories: W44

Item Number:

C520: 3066X00010 for external phantom powering
C520 L: 3066X00020 for use with B23 L, MPA V-L and all AKG body-pack transmitters



C544 L

HIGH-PERFORMANCE SPORTS HEAD-WORN CONDENSER MICROPHONE



1-2-3-4, RUN, TURN HIP AND JUMP

for aerobics and handsfree speech applications

The C544 L high-performance head-worn miniature condenser microphone with an easily fitting headband is perfect for gymnastics instruction and other handsfree speech applications. A transducer shock mount reduces body noise to a minimum and the short microphone arm places the microphone in the right position to the mouth to minimize pop and breathing noise.



C555 L

HIGH-PERFORMANCE HEAD-WORN CONDENSER MICROPHONE



FLEXIBLE FLYWEIGHT

for handsfree vocal and speech applications

The C555 L high-performance head-worn condenser microphone is ideal for hands-free applications, including presentations or onstage performances. The C555 L rests securely and comfortably on the head, and can be attached to the left or right side of the behind-the-neck headband as desired. A transducer shock mount reduces handling noise to a minimum. The moisture shield ensures a high degree of humidity protection for the microphone. The C555 L provides a three-pin mini XLR connector and can be used with all AKG WMS Series body-pack transmitters, B23 L battery power supply, or the MPA VL adapter for external phantom powering.



C111 LP

HIGH-PERFORMANCE LIGHTWEIGHT EAR HOOK MICROPHONE



SMALL AND EFFECTIVE

for presentations and theater applications

The C111 LP is a stainless steel & lightweight ear hook microphone ideal for presentations and theater applications. Its ultra light construction and design ensures robustness and reliability, while allowing perfect adjustment and fit to any speaker or performer. The inconspicuous and skin colored boom won't distract from what matters most, the performance. Weighing an amazingly light 7g, the C111 LP is comfortable to wear during even the longest performances. Delivered with a carrying pouch, windscreen and cable clip, it is suitable for all AKG pocket transmitters.

- **Fully rugged sports headband**
for secure fit in all situations
- **Cardioid polar pattern**
for high ambient noise rejection
- **Flexible shock mount**
for efficient suppression of mechanical and body noise

Included accessories: W444, Dropring

Item Number: 2793Z00060

- **Lightweight and adjustable headband**
for maximum comfort
- **Left and right flexible boom mounting**
for precise positioning to the sound source
- **Cardioid polar pattern**

Included accessories: W444

Item Number:

C555 (Sixpack):

C555 L (Sixpack): 3066H00200

C555 L: 3066H00100

- **Ultra lightweight construction**
for maximum comfort
- **Stainless steel**
for reliable performances
- **Soft and flexible boom**
designed for individual adjustment and ease of use

Item Number: 6500H00030



B23 L

BATTERY-OPERATED PHANTOM POWER SUPPLY & MINI RECORDING MIXER

The B23 L is a compact power supply unit that provides 9V phantom power to the AKG MicroMic series. Two mini-XLR-F inputs (L and R) ensure optimum use for up to two microphones. Both inputs of the B23 L can be switched either to mono or stereo mode. The output is a standard 3.5mm stereo jack. Two AA batteries guarantee an average use of 30 hours. Another great feature of the B23 L is that it can be used as a small and portable mixer. Two separate volume controls allow the user to set the level of each microphone independently. Customers who want to compensate level differences between two audio sources (e.g. voice and instrument) will greatly benefit from this feature. On the rear panel of the B23 L there is the battery compartment and a metal clip for fixing the B23 L to a belt, guitar strap or the like.



B48 L

BATTERY-OPERATED POWER SUPPLY

The B48 L is a battery-operated power supply for condenser microphones for applications when a condenser microphone is used but no phantom power from a mixer is available. The additional mini-XLR audio output and the included mini-XLR to mini-XLR connection cable support a direct connection to all AKG body-pack transmitters. The phantom power of the audio input supplies microphones with 48V and meet the P48 standard.



MPA V L

PHANTOM POWER ADAPTER

Phantom power adapter with XLR connector for L type MicroMic microphones with integrated bass roll-off switch.

Item Number: 3353H00010

Item Number: 3163Z00010

Item Number: 3170H00020

INSTRUMENT MICROPHONES

MADE FOR THE STAGE!

Life on stage can be uncompromising and difficult, not only for musicians but also for the application and use of instrument microphones. For many years, such AKG microphones have been a permanent feature on the stages of the world, operating inconspicuously and reliably, day after day, week after week. In a sense, visually unremarkable – acoustically amazing.

AKG instrument stage microphones, cabled or wireless, provide targeted pick up of an acoustic source without feedback and interference from crosstalk. Like the AKG micromic Series before them, specialist microphones like the D112 have established themselves as the industry standard. In combination with the AKG wireless system, these microphones offer a wide range of different uses for targeted instrument pick up on stage.



D12 VR

REFERENCE LARGE-DIAPHRAGM DYNAMIC MICROPHONE



KICK THE HAMMER

for bass drum live and recording applications

The D12 VR is a reference large-diaphragm dynamic microphone with cardioid polar pattern. Designed specifically for kick-drum recording applications, the microphone has a thin diaphragm to enhance the low frequency performance. Its warm sound is realized by the original C414 transformer, especially impressive at high signal levels. The D12 VR features three active filter presets to match its sound shape with the kick drum's character. When activated, the output level is automatically reduced by 10 dB. The filter settings can be controlled using a switch on the microphone body.

-
- **Ultra thin diaphragm**
for accurate reproduction of the instruments sound
 - **Optimized bass chamber**
for enhanced low frequency performance
 - **Patented switchable active-filter presets**
three sound shapes to match the drums character
 - **Original C414 transformer**
delivers a warm sound especially at high signal levels
 - **Cardioid polar pattern**
rejects overspill from nearby instruments

Included accessories: Microphone bag

Item Number: 3220Z00010



D112

PROFESSIONAL DYNAMIC BASS MICROPHONE



THE FABULOUS EGG

for bass drum and bass guitar on stage and in the studio

The D112 has earned a well-deserved reputation worldwide as the best kick drum microphone ever made. Heavy-footed drummers are thrilled with the D112's ability to handle up to 160dB SPL without any distortion. The diaphragm has a very low resonance frequency to maintain a solid and powerful response below 100Hz. A narrow band presence boost at 4kHz punches through dense mixes with forceful impact - no additional EQ needed! The D112 is also an excellent choice for use with bass cabinets and trombones.

- **Large diaphragm dynamic microphone**
delivers accurate ultradeep frequencies
- **Bass resonance volume chamber**
for unique, punchy sound
- **Reference dynamic capsule**
withstands extremely high sound pressure levels up to 160dB SPL
- **Integrated hum compensation coil**
for the cleanest sound
- **Established as an industry-standard kick drum microphone**
on stages worldwide, day by day for over 30 years

Included accessories: SA60

Item Number: 2220X00010



P2

HIGH-PERFORMANCE DYNAMIC BASS MICROPHONE



GIMME SOME BASS

for kick drum, deep brass and bass amp miking

The Perception P2 high-performance dynamic bass microphone delivers a profound, high-energy low end for use on kick drums, trombones and bass amps. Its cardioid polar pattern reduces feedback and crosstalk coming from other instruments behind the microphone. The Perception P2 comes in a rugged, all-metal housing to withstand tough on-the-road conditions. An integrated stand adapter makes the microphone very easy to use. The package also includes a carrying case for safe transport and storage.

- **Powerful sound with profound bass range**
especially tuned for low-pitched instruments
- **High-performance capsule**
withstands extreme sound pressure levels
- **Built-in hum compensation coil**
rejects EMC noise for the cleanest sound
- **Rugged wire-mesh cap and sturdy die-cast metal body**
withstand tough day-to-day stage use
- **Integrated stand adapter**
for easy mounting on mic stands

Included accessories: Microphone bag

Item Number: 3100H00150



D40

PROFESSIONAL DYNAMIC INSTRUMENT MICROPHONE



SOUND IN MOTION

for drums, percussion, wind instruments and guitar amps on stage

The D40 professional instrumental microphone with its solid all-metal body will stand up to the hardships of night-after-night onstage use "with a smile." Its patented Varimotion diaphragm uses a unique laminated material to damp high resonance peaks, leading to a quantum leap in audio performance. The transducer is protected by a sturdy wire-mesh cap and can take extremely high sound pressure levels with ease.

- **Dual-thickness Varimotion diaphragm**
provides crisp, powerful sound in all frequency ranges
- **Highest sound pressure levels up to 156dB**
for extreme situations without any distortion
- **Cardioid polar pattern**
for trouble-free use in narrow stage environments
- **Rugged wire-mesh cap and sturdy die-cast metal body**
withstand tough day-by-day stage use
- **Integrated stand adapter and external bracket**
for easy mounting on drums and mic stands

Included accessories: Microphone bag, H440

Item Number: 2815X00050



P4

HIGH-PERFORMANCE DYNAMIC INSTRUMENT MICROPHONE



LET'S GET LOUD

for drums, percussion, wind instruments and guitar amps

The Perception P4 high-performance dynamic instrumental microphone delivers intense sound for use on drums, percussion, wind instruments and guitar amps. The cardioid polar pattern makes it very easy to use, as it focuses on sound in front of the microphone while reducing feedback and unwanted noise from behind. The Perception P4 comes in a solid metal case to withstand tough day-by-day stage use.

- **For sound pressure levels up to 152dB**
handles extremely loud instruments without any distortion
- **Built-in hum compensation coil**
rejects EMC noise for the cleanest sound
- **Cardioid polar pattern**
for trouble-free use in narrow-stage environments
- **Flat and sweet frequency response**
for neutral reproduction of your instrument's sound
- **Integrated stand adapter and external bracket**
for easy mounting on drums and mic stands

Included accessories: Microphone bag, H440

Item Number: 3100H00130



C519

PROFESSIONAL MINIATURE
CLIP-ON CONDENSER
MICROPHONE



HORN SECTION LIBERATION

*for brass and woodwind instruments on
stage and in studio*

The C519 professional miniature condenser microphone clips gently onto the bell of a trumpet, saxophone, trombone, tuba, didgeridoo or any other wind instrument. Its tight cardioid polar pattern makes the C519 an ideal tool for use near monitor wedges, and its flat frequency response delivers a natural, powerful and clear sound. The MPA V from C519 M features an integrated, switchable bass cut for adjusting the microphone's frequency response. The C519 ML package includes a mini-XLR cable and the unique A400 adapter plate for easy mounting onto wireless body-pack transmitters PT40/45/450/470.

- **Cardioid polar pattern**
allows operation close to stage monitors
- **Integrated transducer shock mount**
for efficient rejection of mechanical noise
- **Rubberized mounting clip**

Included accessories: Microphone bag, W44

Item Number:

C519 M: 3065X00010 for external phantom
powering
C519 ML: 3065X00020



C518

PROFESSIONAL MINIATURE
CLAMP-ON CONDENSER
MICROPHONE



SLAVE TO THE RHYTHM

*for drums and percussion on stage and in
the studio*

The C518 professional miniature clamp-on microphone is the ultimate tool for recording of drums and percussion. Its cardioid polar pattern rejects overspill from nearby instruments. A continuously adjustable vise-type clamp makes it easy to fix the microphone securely on the rim of drums or percussion instruments. A special snap-on stabilizer keeps the gooseneck in a defined position. The MPAV from C518 M features an integrated, switchable bass cut for adjusting the microphone's frequency response. The C518 ML package includes a mini-XLR cable and the unique A400 adapter plate for easy mounting onto wireless body-pack transmitters PT40/45/450/470.

- **Cardioid polar pattern**
rejects overspill from nearby instruments
- **Full-metal housing with shock mount**
protects the capsule from hard beats

Included accessories: Microphone bag, W44,
H518

Item Number:

C518 M: 3064X00010 for external phantom
powering
C518 ML: 3064X00020



C516 ML

PROFESSIONAL MINIATURE
CONDENSER INSTRUMENT
MICROPHONE



MIGHTY MICROMIC

for miking up accordions, guitars and pianos

The C516 ML professional miniature instrumental microphone, part of the MicroMics family, is designed for use on accordions, pianos, guitar speakers and keyboard/organ cabinets. Using two C516 MLs (one on the bass and one on the treble side) and an optional B23 L battery power supply is the ideal way to mic up an accordion. The C516 ML comes with a wide variety of mounting materials, such as screws, adhesive pads and adapter plates, for easy installation on the instrument or amp.

- **Cardioid polar pattern**
problem-free use with high ambient noise
rejection
- **Flexible shock mount**

Included accessories: Microphone bag, W44,
Countersunk bolts (3 x 30mm), Self-tapping
screws (2.9 x 13mm), Double-sided adhesive
rubber plate, A400, Adhesive compound,
H516

Item Number: 3063X00020



C430

HIGH-PERFORMANCE MINIATURE
CONDENSER MICROPHONE



SMALL AND BRIGHT

for cymbals and overhead recording on stage and in the studio

The C430 high-performance condenser microphone is specifically designed for cymbal and overhead miking. The frequency response of the C430 ensures a uniquely crisp sound which often reduces the need for external EQs. With its extremely compact external dimensions, the C430 microphone will keep a low profile in any application without compromising audio quality. With the included SA60 adapter, it mounts securely on all commercial microphone stands.



C411

HIGH-PERFORMANCE
MINIATURE CONDENSER
MICROPHONE

8

FEEL THE VIBE

for acoustic guitar and other string instruments on stage and in the studio

The C411 is a miniature vibration pickup for acoustic guitar, mandolin, violin and most other string instruments. Its integrated condenser capsule will reproduce the sound of the instrument clearly and without coloration. The C411 ultralight pickup (18g/0.6oz) can be easily attached on or near the bridge with the included nonmarking, solvent-free adhesive pad without changing the balance of the instrument. The C411 is available in two versions. The C411 PP features a MPAV standard XLR connector while the C411 L provides a professional three-pin mini XLR connector that fits the body-pack transmitters of all AKG wireless microphone systems.

- **Extremely compact dimensions**
low profile for critical, optically demanding situations
- **Cardioid condenser capsule**
for detailed pickup of unique individual timbres
- **Genuine AKG capsule**
for the legendary sound, made in Vienna
- **Phantom or battery powering options**
works with 9-52V phantom power
- **SA60 standadapter included**
for secure mounting on standard mic stands

Included accessories: Microphone bag, SA60, W32

Item Number: 2795X00010

- **Condenser transducer in sealed enclosure**
for clear and uncolored sound
- **Ultralight vibration pickup**
does not change the balance of the instrument

Included accessories: Adhesive compound, Microphone bag

Item Number:

C411 L: 2571Z00030 for use with B23 L, MPA VL and all AKG body-pack transmitters

C411 PP: 2571Z00040 with standard XLR connector for phantom powering



Premium

REFERENCE DRUM MICROPHONE SET



Rhythm Pack

PROFESSIONAL DRUM MICROPHONE SET



Session I

HIGH PERFORMANCE DRUM MICROPHONE SET

DRUM'S FIRST CLASS AID

for touring, live and studio applications

The Drum Set Premium reference drum microphone set is a hand-selected collection of the highest-quality microphones for touring, live and studio applications. The rugged metal carry case houses a range of the best AKG microphones made for capturing miking drums while simultaneously ensuring safe transportation wherever you go. The Drum Set Premium is hand-selected in Vienna, Austria and contains the following 8 world-class microphones: 1 x D12 VR dynamic bass drum microphone 1 x C214 matched pair condenser microphones for overheads 1 x C451 B condenser microphone for Hi Hat 4 x D40 dynamic instrument microphones for snare and toms

THE PERFECT PACK

for drummers, percussionists and bands on stage

The Rhythm Pack professional drum microphone set contains everything you need to professionally pick up a complete drum set. More than this, the microphones can be used for miking percussion, bass and guitar amps, brass, woodwind and lots of other instruments. The included microphones represent a selection of valuable tools: 1 x D112 bass drum microphone 2 x C430 for overheads 3 x D40 for toms, snare and more. The D112 has earned a well-deserved reputation worldwide as the best kick drum microphone ever made. The versatility of the D40 will stand up to night-after-night onstage use. The C430 is compact with a uniquely crisp sound. This complete set comes in a protective aluminum carrying case.

THE TOTAL PACKAGE

for stage applications, rehearsal rooms and home recording

The Drum Set Session I is an ideal all-in-one microphone starter kit that delivers an impressive combination of performance and value. With seven microphones and accessories packed in a durable aluminum carrying case, it provides all the essentials needed to capture a complete drum set. It can also be used for miking percussion, bass and guitar amps, brass, woodwinds and other instruments. All microphones are from the Perception Live series and feature a durable metal casing, rugged spring steel microphone grill, scratch-resistant finish and high maximum SPL capabilities.

- **Hand-selected Microphones made in Vienna, Austria**
for highest possible quality
- **Complete reference drum microphone set**
including five dynamic and three condenser microphones
- **Heavy duty metal case**
for safe transport

- **Complete drum-kit microphone pack**
including four dynamic and two condenser overhead microphones
- **Roadworthy, rugged aluminum carrying case**
for easy transport and storage
- **Complete with all microphone clamps and stand adapters**
for plug and play

- **Complete drum kit microphone pack**
includes five dynamic and two condenser overhead microphones for an array of applications
- **Microphones optimally tuned**
to work in harmony
- **Includes all microphone clamps and stand adapters**
allowing for quick and easy set up

MODULAR STAGE RECORDING MICROPHONES (BLUE LINE)

HIGH-PERFORMANCE SMALL-
DIAPHRAGM CONDENSER MICROPHONE
SERIES

DO THE TWIST

*wherever speed, ruggedness and high sound quality
are mandatory*

The Blue Line Series is a family of pre-polarized condenser capsules, all compatible with a supreme pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy interchanging of the capsules modules. All modules feature accurate axial response, uniform pattern control and low self noise. With the available cardioid, hypercardioid, omnidirectional and highly directional shotgun capsules, the Blue Line Series offers an incredible flexible solution for the most demanding speech, vocal, instrumental and ambient recordings.

All Products share these features:

- **Five different quick interchangeable capsules**
allow a wide range of studio and broadcast applications
- **Half-inch back-plate condenser technology**
offers great sound performance and reliable quality
- **Robust Modulock™ bayonet design**
allows quick and easy interchanging of the capsules



SE300 B

HIGH PERFORMANCE MICROPHONE PRE-
AMPLIFIER

DO THE TWIST

*wherever speed, ruggedness and high sound quality are
mandatory*

The SE300 B is the pre-amp for the Blue Line Series capsules CK91, CK92, CK93, CK94 and CK98. This system is designed for excellent audio quality and maximum flexibility. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules. The state-of-the-art electronics design ensures high RF immunity in critical environments. The SE300 B provides a switchable bass roll-off/attenuator with three positions: flat, 75Hz and 10db attenuation.

-
- **Extremely compact, reliable circuitry**
ensures high RF immunity in critical environments
 - **Switchable attenuation pad**
for high SPL applications up to 144dB
 - **Switchable bass-cut filter**
eliminates rumble or footfall noise
 - **Universal phantom powering from 9V to 52V**
for operating with phantom power supply
 - **Robust Modulock™ bayonet design**
allows quick and easy changing of the capsules

Item Number: 2439X00080



C391 B

HIGH PERFORMANCE
CONDENSER MICROPHONE



DO THE TWIST

wherever speed, ruggedness and high sound quality are mandatory

The C391 B high-performance small-diaphragm condenser microphone is a combination of the Blue Line Series CK91 and the SE300 pre-amplifier. The microphone has a cardioid polar pattern, a low self-noise and very good transient response for a bright and brilliant sound. It also features the ability to quickly interchange its capsule with one of the other capsules of the Blue Line Series, making it an excellent mic for demanding broadcast applications. The C391 B provides a switchable bass roll-off/attenuator with three positions: flat, 75Hz and 10db attenuation.

- **Precise cardioid polar pattern**
for uncolored sound quality and high gain before feedback
- **Switchable attenuation pad**
enables high-SPL applications up to 144dB
- **Switchable bass-cut filter**
eliminates rumble or footfall noise

Item Number: 2442Z00010



CK91

HIGH PERFORMANCE CARDIOID
CONDENSER MICROPHONE
CAPSULE



DO THE TWIST

wherever speed, ruggedness and high sound quality are mandatory

The CK91 high-performance small condenser capsule is characterized by a smooth and well-balanced frequency response and a consistent cardioid polar pattern. It is the ideal choice for critical live and studio broadcast applications where consistent suppression of off-axis sound is required. The CK91 is part of the Blue Line Series and works exclusively with the SE300 B pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules.

- **Precise cardioid polar pattern**
for uncolored sound quality and high gain before feedback
- **Robust Modulock™ bayonet design**
allows quick and easy changing of the capsules
- **Self-cleaning contacts**
ensure reliable operation and long life

Item Number: 2439Z00010



CK92

HIGH PERFORMANCE
OMNIDIRECTIONAL CONDENSER
MICROPHONE CAPSULE



DO THE TWIST

wherever speed, ruggedness and high sound quality are mandatory

The CK92 is a high-performance small condenser capsule with an omnidirectional polar pattern. It offers exceptionally neutral presentation of a source in its ambient sound field, providing consistent results regardless of the distance between microphone and source. Due to its nondirectional pickup, it is free of proximity effect and perfect for close-up miking of instruments, as well as for ambience recording. The CK92 is part of the Blue Line Series and works exclusively with the SE300 B pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules.

- **Omnidirectional polar pattern**
for pure, pristine sound quality
- **Robust Modulock™ bayonet design**
allows quick and easy changing of the capsules
- **Self-cleaning contacts**
ensure reliable operation and long life

Item Number: 2439Z00020



CK93

HIGH PERFORMANCE
HYPERCARDIOID CONDENSER
MICROPHONE CAPSULE



DO THE TWIST

*wherever speed, ruggedness and high
sound quality are mandatory*

The CK93 high-performance small condenser capsule is characterized by a smooth and well-balanced frequency response and a consistent hypercardioid polar pattern. It provides greater attenuation of off-axis sound and more direct sound. Thus it is the ideal choice for critical live and studio broadcast applications where consistent suppression of off-axis sound is required. The CK93 is part of the Blue Line Series and works exclusively with the SE300 B pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules modules.



CK94

HIGH PERFORMANCE
FIGURE-EIGHT CONDENSER
MICROPHONE CAPSULE



DO THE TWIST

*wherever speed, ruggedness and high
sound quality are mandatory*

The CK94 high-performance small condenser capsule is characterized by a smooth and well-balanced frequency response. Its figure-eight polar pattern picks up sound arriving from opposite directions and efficiently suppresses off-axis sounds. Thus it is the perfect tool for applications where sound sources face each other, as in broadcast-interview and roundtable situations. It is also perfect as a side microphone in M/S stereo technique. The CK94 is part of the Blue Line Series and works exclusively with the SE300 B pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules.



CK98

HIGH PERFORMANCE SHORT
SHOTGUN CONDENSER
MICROPHONE CAPSULE



DO THE TWIST

*wherever speed, ruggedness and high
sound quality are mandatory*

The CK98 high-performance small condenser capsule combines high sensitivity and controlled directivity. It offers excellent reach thanks to a very tight polar pattern and exceptionally low self noise. Small size and low weight make the CK98 ideal for boom applications. The smooth, wide-band frequency response makes it a superb choice for edge-of-stage and ceiling placement in theaters. The CK98 is part of the Blue Line Series and works exclusively with the SE300 B pre-amp module. Its robust Modulock™ bayonet coupling allows quick and easy changing of the capsules.

- **Hyper-cardioid polar pattern with excellent on-axis response**
for best sound quality at highest gain before feedback
- **Robust Modulock™ bayonet design**
allows quick and easy changing of the capsules
- **Self-cleaning contacts**
ensure reliable operation and long life

Item Number: 2439Z00030

- **Figure-eight polar pattern with accurate axial response**
for advanced stereo miking techniques
- **Robust Modulock™ bayonet design**
allows quick and easy changing of the capsules
- **Carefully handcrafted in Vienna, Austria**
meticulous attention to detail ensures highest quality

Item Number: 2439Z00060

- **Sophisticated interference tube design**
for noise attenuation in difficult environments
- **Robust Modulock™ design**
allows quick and easy changing of the capsules
- **Carefully handcrafted in Vienna, Austria**
meticulous attention to detail ensures highest quality

Item Number: 2439Z00040



C747 V11

PROFESSIONAL SHOTGUN CONDENSER MICROPHONE



THE FABULOUS EGG

for bass drum and bass guitar on stage and in the studio

The D112 has earned a well-deserved reputation worldwide as the best kick drum microphone ever made. Heavy-footed drummers are thrilled with the D112's ability to handle up to 160dB SPL without any distortion. The diaphragm has a very low resonance frequency to maintain a solid and powerful response below 100Hz. A narrow band presence boost at 4kHz punches through dense mixes with forceful impact - no additional EQ needed! The D112 is also an excellent choice for use with bass cabinets and trombones.

- **Enhanced, hypercardioid polar pattern**
eliminates noise from the sides
- **RFi shielding technology**
prevents interference noise from mobiles
- **Withstands high sound pressure levels**
or close-up miking of loud sources

Included accessories: H47, MSH70, SA47, SHZ80,

Item Number: 2226Z00110



C568 B

PROFESSIONAL SMALL CONDENSER SHOTGUN MICROPHONE



ZOOM IN

for theaters, houses of worship, film and TV productions

The C568 B professional small condenser capsule combines high directivity and a wide frequency range. It is a perfect tool for theater, sound reinforcement and film/TV applications. Due to its compact and lightweight design, the C568 B is ideal for camera-mount use. Below 500Hz, it functions as a hypercardioid microphone; above 500Hz, the acoustic interference tube introduces increasing directivity. A switchable 12dB/octave 120Hz bass roll-off filter effectively suppresses impact and wind noise. The C568 B's rugged, all-metal body contains the built-in pre-amp, which requires 9-52V phantom power.

- **Sophisticated interference tube design**
provides maximum noise attenuation
- **Integrated, switchable bass roll-off filter**
for minimized mechanical noise
- **Compact and lightweight design**
ideal for camera-mount use

Included accessories: W68

• **Item Number:** 2168Z00040

DMS700 V2

REFERENCE DIGITAL WIRELESS MICROPHONE SYSTEM

011000010110101101100111

for theater, conference, live-production and tour-sound applications

AKG's revolutionary DMS700 V2, the reference digital wireless microphone system, is designed to deliver premium digital audio quality and quick-and-easy operation. With a bandwidth of up to 155MHz, the transmitters and receiver give the user the necessary flexibility for even the most crowded radio environment.

The state-of-the-art 512-bit audio encryption offers the highest security available for courtroom, boardroom and other confidential meeting environments. An optional network remote control allows frequency coordination and monitoring of multichannel systems by PC software Audio Architect™, Apple iPhone/iPad/iPod® or Soundcraft Vi consoles. For easy configuration of large systems, all components are available individually.

All Products share these features:

- **Up to 40 channels for simultaneous use**
high-end antenna system and multichannel accessories available
- **HiQnet network remote control and monitoring**
from PC via Harman Audio Architect™ software, Apple iPhone/iPad/iPod® or Soundcraft Vi consoles
- **Digital wireless audio transmission**
eliminates any distortion and significant noise level
- **155MHz ultrawide frequency range**
ideal for worldwide touring in frequency-crowded environments
- **512-bit encryption**
state-of-the-art protection for sensitive audio information



DSR700 V2

REFERENCE DIGITAL WIRELESS STATIONARY RECEIVER

011000010110101101100111

for theater, conference, live-production and tour-sound applications

The DSR700 V2 reference two-channel digital wireless receiver offers an ultra-wide bandwidth of up to 155MHz for reliable operation with great flexibility. It comes in a durable, 19" housing and works with all DMS700 V1 and V2 transmitters. The receiver finds interference-free channels and synchronizes the corresponding setup data to the transmitter via infrared. The environment scan converts the DSR700 V2 into a spectrum analyser. It scans the receiver's entire frequency band for active radio frequencies and displays the spectrum.

- **Two channels in a compact 19" metal casing**
for secure rack-mounting and transportation
- **Graphic spectrum analyzer**
provides a clear overview of radio frequencies
- **User-friendly operation**
fast and intuitive system setup
- **Integrated digital signal processing**
with low-cut filter, three-band equalizer, dbx® compressor and dbx® limiter
- **Analog and digital audio outputs**
2 x balanced XLR, 2 x unbalanced jack connectors and AES/ EBU-output with world clock input

Included accessories: 2 x BNC UHF Antennas, IEC Power Chord EU, IEC Power Chord US, Front Mount Cable



DHT700 V2

REFERENCE DIGITAL WIRELESS
HANDHELD TRANSMITTER

011000010110101101100111

for theater, conference, live-production and tour-sound applications

The DHT700 V2 reference digital wireless handheld transmitter comes with a robust and slim metal body and works with the receivers of the DMS700 V2 digital wireless system. The DHT700 V2 is available in three different versions. With AKG's legendary D5, D7 dynamic or C5 condenser microphone heads, it delivers a powerful sound, even on the noisiest stage. The DHT700 V2 provides an ultra-wide bandwidth of 155MHz and a selectable radio output power of 10, 20, 30 or 50mW. The built-in helix antenna provides reliable wireless audio transmission. The state-of-the-art 512-bit encryption technology keeps the audio signal secure against tapping.

- **Robust metal housing**
rugged and reliable construction
- **Helix antenna**
optimized signal strength with switchable RF power
- **D5, D7 or C5 microphones available**
in different styles for demanding vocals
- **Two-hour quick-charging**
of standard rechargeable NiMH batteries by integrated charging contacts
- **Quick and easy setup**
via infrared data communication

Included accessories: Stand adapter, 2 x AA Batteries, W3004



DPT700 V2

REFERENCE DIGITAL
WIRELESS HANDHELD
TRANSMITTER

011000010110101101100111

for theater, conference, live-production and tour-sound applications

The DPT700 V2 reference digital wireless body-pack transmitter provides an ultra-wide bandwidth of 155MHz and a selectable radio output power of 10, 20, 30 or 50mW. It can be programmed remotely via infrared data transmission from the DSR700 V2 receiver. The state-of-the-art 512-bit encryption technology keeps the audio signal secure against tapping. The DPT700 V2 provides an optional external mute switch, allowing muting of the audio even when the transmitter is hard to reach. The three-pin mini XLR audio input is compatible with any Lavalier and head-worn microphones and provides a bias voltage of 5V.

- **Switchable radio output power**
for best signal quality in multichannel applications
- **Professional three-pin mini XLR connector**
compatible with headset, lavalier and instrument microphones
- **Two-hour quick-charging**
of standard rechargeable NiMH batteries via integrated charging contacts
- **Quick and easy setup**
via infrared data communication from the receiver
- **Remote microphone mute**
through external mute switch connector

Included accessories: 2 x AA Batteries, BC400, BC700

WMS4500

REFERENCE WIRELESS MICROPHONE SYSTEM

STRESS FREE

for large theater, installed sound and tour- sound applications

The WMS4500 analog reference wireless microphone system provides highest channel quantity, maximum reliability and easy setup. Combining several frequency bands allows to operate up to 70 channels simultaneously providing an enormous headroom of security for channel management.

In combination with the outstanding audio quality WMS4500 gained worldwide recognition as a reliable workhorse in huge installations and on tour. An optional network remote control allows frequency coordination and monitoring of multi-channel systems via PC software Audio Architect™, Apple iPhone/iPad/iPod® or via Soundcraft Vi consoles. For easy configuration of customized systems, all system components are available individually.

All Products share these features:

- **Auto Setup, Environment Scan, and Rehearsal functions**
for quick and easy setup
- **HiQnet network remote control and monitoring**
from PC via Harman Audio Architect™ software, Apple iPhone/iPad/iPod® or Soundcraft Vi consoles
- **Up to 70 simultaneous channels**
for safe channel management in huge productions
- **Supreme audio quality**
for highly demanding vocals, guitar and e-bass
- **Pilot Tone transmission**
for transmitter battery status monitoring and tone code squelch



SR4500

REFERENCE WIRELESS STATIONARY RECEIVER

STRESS FREE

for large theater, installed sound and tour sound applications

The SR4500 analog true diversity reference wireless receiver provides maximum ease of use with an automatic setup function and scan of the radio frequency environment. The rehearsal mode supports the engineer during soundchecks with information on the systems signal quality. The programmable status monitor shows all relevant system information on an illuminated multicolor LED ring. Its precise battery life readout in hours is a valuable advantage in wireless applications. A wide range of professional antenna splitters, power supplies and high-quality remote antennas is available to set up a reliable wireless system, even in a large area.

- **Rugged half-rack metal housing**
for flexible, space-efficient system configurations
- **Environment scan and rehearsal functions**
for secure operation even in crowded radio frequency environments
- **Backlit display and programmable multicolor status ring**
for clear, selectable warning signals
- **Logic input and output**
connectivity for external systems, such as AMX, Crestron, DMM
- **External antenna connectors**
connect splitters, remote antennas and long cable runs to a large multichannel system

Included accessories: RMU4000, 2 x BNC UHF Antennas



HT4500

REFERENCE WIRELESS HANDHELD TRANSMITTER

STRESS FREE

for large theater, installed sound and tour sound applications

The HT4500 is an analog reference wireless handheld transmitter that connects to a choice of four different microphones to cover a wide range of applications. The unique dipole-antenna design ensures reliable transmission even when one pole of the antenna is covered completely by the user's hand. The pilot tone continuously sends transmitter data, including mute switch position and remaining battery life to the receiver. The HT4500 offers an extended battery lifetime of 15 hours with two standard AA alkaline batteries. With integrated charging contacts, the optional BP4000 battery pack can be charged inside the transmitter.



PT4500

REFERENCE WIRELESS HANDHELD TRANSMITTER

STRESS FREE

for large theater, installed sound and tour sound applications

The PT4500 is an analog reference wireless body-pack transmitter with supreme wireless audio quality for instrumental and vocal use. The pilot tone prevents unexpected system startup noise, continuously sending transmitter data, including mute switch position and remaining battery life, to the receiver. An optional RMS4000 external mute switch allows the user to mute the transmitter remotely. WMS4500 transmitters offer an unmatched battery life of 15 hours with two standard AA-size alkaline batteries. With the integrated charging contacts, the optional BP4000 battery-pack can be charged inside the transmitter.

- **Interchangeable microphone heads**

a variety of premium dynamic and condenser vocal microphones available

- **Leading-edge dipole-antenna technology**

optimum performance even when the antenna is covered

- **Up to 50mW transmission power**

maximum radio signal strength for long-distance applications

- **15 hours of battery life**

with two standard AA alkaline batteries

- **Remaining battery lifetime in hours**

real-time display of the remaining operating time

Included accessories: 2 x AA Batteries, Stand adapter

- **Supreme audio quality**

best with guitar, electric bass and highly demanding vocals

- **Up to 50mW transmission power**

maximum radio signal strength for long-distance applications

- **15 hour battery life**

with two standard AA-size alkaline batteries

- **Remaining battery life in hours**

real-time display of operating time left

- **Integrated charging contacts**

for quick charging of BP4000 battery-packs inside the transmitter

Included accessories: 2 x AA Batteries, BC4000



C535 WL1

REFERENCE CONDENSER MICROPHONE HEAD



The C535 WL1 reference handheld condenser vocal microphone head is a classic legendary microphone we did our way.

- **One of the most legendary vocal stage microphones**
valuated by iconic artists for more than four decades
- **Delicate gold plated condenser capsule**
for detailed pickup of unique individual timbres
- **Self-cleaning contacts**
ensure reliable operation and long life

Item Number: 2782Z00150



C5 WL1

PROFESSIONAL CONDENSER MICROPHONE HEAD



With the C5 WL1 professional condenser vocal microphone head your voice will cut through the loudest mix on any stage.

- **Delicate cardioid condenser capsule**
for detailed pickup of unique individual timbres
- **24-carat gold plated transducer case**
for maximum resistance to corrosion and humidity
- **Self-cleaning contacts**
ensure reliable operation and long life

Item Number: 3082X00020



D7 WL1

REFERENCE DYNAMIC MICROPHONE HEAD



The D7 WL1 reference dynamic vocal microphone head creates the subtle and opened sound with powerful resonance.

- **Dual thickness Varimotion[®] diaphragm**
provides a subtle and opened sound in all frequency ranges
- **Highest feedback suppression**
lamine diaphragm material damps critical resonance peaks
- **Integrated hum compensation coil**
for utmost clean sound

Item Number: 3082X00030



D5 WL1

PROFESSIONAL DYNAMIC MICROPHONE HEAD



The D5 WL1 premium dynamic vocal microphone head for lead and backing vocals delivers a powerful sound even on the noisiest stage.

- **Patented Laminated Varimotion[®] Diaphragm**
for crisp sound that cuts through every mix
- **High feedback suppression with supercardioid polar pattern**
for trouble-free use with on stage monitoring
- **Integrated pop filter**
for elimination of pops and wind-noise

Item Number: 3082X00010



CK77 Set

REFERENCE WIRELESS
MICROPHONE SYSTEM

The WMS4500 CK77 Set is the ideal wireless microphone system for theatre and broadcast applications.

- **The WMS4500 CK77 Set package includes:**
- **1 x SR4500 True-diversity receiver**
- **1 x HT4500 Handheld transmitter**
- **1 x D7 WL1 Reference dynamic microphone head**
- **1 x Stand adapter, 2 x AA size batteries, 2 x Antennas, 1 x Rack mounting kit, 1 x Power supply**



D7 Set

REFERENCE WIRELESS
MICROPHONE SYSTEM

The Vocal Set D7 combines subtle and open sound of a condenser capsule with powerful resonance of a dynamic mic.

- **The WMS4500 D7 Set package includes:**
- **1 x SR4500 True-diversity receiver**
- **1 x HT4500 Handheld transmitter**
- **1 x D7 WL1 Reference dynamic microphone head**
- **1 x Stand adapter, 2 x AA size batteries, 2 x Antennas, 1 x Rack mounting kit, 1 x Power supply**



HC577 Set

REFERENCE WIRELESS
MICROPHONE SYSTEM

The HC577 Set includes a rugged PT4500 body-pack transmitter with supreme audio quality and the HC577 for on-stage use.

- **The WMS4500 HC577 Set package includes:**
- **1 x SR4500 True-diversity receiver**
- **1 x PT4500 Body-pack transmitter**
- **1 x HC577 Reference miniature head-worn microphone**
- **1 x Stand adapter, 2 x AA size batteries, 2 x Antennas, 1 x Rack mounting kit, 1 x Power supply**

MULTICHANNEL WIRELESS SYSTEMS

Instrumental Set

REFERENCE WIRELESS MICROPHONE SYSTEM

The WMS4500 Instrumental Set contains a professional instrument cable to safely connect the transmitter with electric guitar, electric bass, keyboard and other electronic instruments.



- **The WMS4500 Instrumental Set package includes:**
- **1 x SR4500 True-diversity receiver**
- **1 x PT4500 Body-pack transmitter**
- **1 x MKG L Instrument cable**
- **1 x Stand adapter, 2 x AA size batteries, 2 x Antennas, 1 x Rack mounting kit, 1 x Power supply**

AKG
by HARMAN

PR4500 ENG

REFERENCE WIRELESS ENG/EFP SYSTEM

HEAVY-DUTY MOBILITY

for ENG/EFP, event video and videography applications

The WMS4500 reference wireless microphone system provides the highest channel quantity, maximum reliability and easy setup. The outstanding audio quality WMS4500 gained worldwide recognition as a reliable workhorse in broadcast, huge installations and on tour.

The PR4500 ENG system comprises the PR4500 ENG camera receiver as well as compatible WMS4500 transmitters and microphones, allowing for the setup of a compact, rugged wireless system for use with any camcorder, DSLR camera or other A/V equipment. It ensures unparalleled ease of use, exceptional transmission stability and long transmitter and receiver battery life for all ENG, EFP and live reporting situations.

All Products share these features:

- **Two-antenna diversity**
for highest reliability even in a crowded RF environment
- **Heavy-duty metal housing**
meets the tough requirements in field productions
- **Up to 12 hrs of operation time**
security for long ENG and live reporting situations
- **Headphone output**
for signal monitoring
- **Superior radio and audio performance**
for highly demanding applications



PR4500 ENG

REFERENCE WIRELESS CAMERA RECEIVER

HEAVY-DUTY MOBILITY

for ENG/EFP, event video and videography applications

The PR4500 ENG is a reference wireless diversity camera receiver, providing maximum ease of use with an automatic setup function and scan of the radio frequency environment. The outstanding audio quality with a very high signal to noise performance avoids any disturbing ground noise whilst recording. A separate headphone output provides a direct monitoring possibility and the three step LED audio meter shows signal quality. All relevant system information is shown on a prominent illuminated display. Its precise battery life readout is a valuable advantage during demanding field work.

-
- **Auto setup and environment scan**
for quick and easy setup
 - **Up to 18 simultaneous channels**
for safe channel management in huge productions



PR4500 ENG Set HT

REFERENCE WIRELESS ENG/EFP SET

HEAVY-DUTY MOBILITY

for ENG/EFP, event video and videography applications

WMS4500 is a reference multichannel wireless system providing the highest channel quantity, maximum reliability and easy setup. The PR4500 ENG Set/HT includes a PR4500 ENG portable wireless camera receiver and a HT4500 handheld transmitter with an interchangeable D5-WL1 dynamic microphone head. In addition the package contains a hot-shoe adapter and two different connecting cables for the receiver so you can use this complete wireless microphone system for a wide range of applications.

- The PR4500 ENG Set/HT package includes:
- 1 x PR4500 ENG Camera diversity receiver
- 1 x HT4500 Handheld transmitter
- 1 x D5 WL1 Professional dynamic microphone head
- 1 x Hot shoe mounting adapter, 1 x XLR connection cable, 1 x Mini jack connection cable, 1 x BC4500 Belt clip, 4 x AA size batteries

Included accessories: Hot shoe adaptor, Micro Jack to XLR connection cable, Micro Jack to Mini Jack connection cable



PR4500 ENG Set PT

REFERENCE WIRELESS ENG/EFP SET

HEAVY-DUTY MOBILITY

for ENG/EFP, event video and videography applications

WMS4500 is a reference multichannel wireless system providing the highest channel quantity, maximum reliability and easy setup. The PR4500 ENG Set/PT includes a PR4500 ENG portable wireless camera receiver; a PT4500 body-pack transmitter with belt clip; and a CK99L condenser Lavalier microphone. In addition the package contains a hot-shoe adapter and two different connecting cables for the receiver so you can use this complete wireless microphone system for a wide range of applications.

- The PR4500 ENG Set/PT package includes:
- 1 x PR4500 ENG Camera diversity receiver
- 1 x PT4500 Body-pack transmitter
- 1 x CK99 L Condenser Lavalier microphone
- 1 x Hot shoe mounting adapter, 1 x XLR connection cable, 1 x Mini jack connection cable, 2 x BC4500 Belt clip, 4 x AA size batteries

Included accessories: Hot shoe adaptor, Micro Jack to XLR connection cable, Micro Jack to Mini Jack connection cable

WMS470

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

WMS470 professional analog wireless microphone system is the best choice for a cost-efficient, high-performance multichannel system. Up to 16 channels can be used simultaneously within the same frequency band. The pilot tone prevents the user from unexpected startup noise and it continuously sends transmitter data including low battery information to the receiver.

A revolutionary power management allow up to 14 hours of operation with one AA-size lithium battery. If a NiMH rechargeable battery is used, it can be charged while remaining within the transmitter using the optional CU400.

All Products share these features:

- **Compatible with WMS4000 accessories**
for multichannel systems in critical environments
- **14 hours operation with one single battery**
Lowest operating costs using AA-size lithium dry battery
- **Pilot Tone transmission**
for transmitter battery status monitoring and tone code squelch
- **Up to 48 simultaneous channels**
when combining several frequency bands
- **Enhanced automatic setup with channel preview**
for quick and easy system setup



SR470

PROFESSIONAL WIRELESS STATIONARY RECEIVER

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

SR470 analog space diversity professional wireless receiver comes in a rugged half-rack metal housing. The enhanced Auto Setup, Environment Scan and Rehearsal mode allows a very quick and easy system setup. The programmable back-light changes color to warn the user of critical operating conditions e.g. transmitter low battery information, audio peaks, or low radio signal strength. A wide range of professional antenna splitters, power supplies, and high quality remote antennas are available to handle complex antenna systems and up to 48 simultaneous wireless channels.

-
- **Enhanced automatic setup with channel preview**
for quick and easy system setup
 - **Pre-coordinated TV channel frequency presets**
maximum channel density for multichannel systems
 - **Environment scan and rehearsal functions**
for secure operation even in crowded radio frequency environments
 - **Programmable multicolor backlight display**
clear visual information of selectable warning signals
 - **External antenna connectors**
connect splitters, remote antennas and long cable runs to multi channel systems

Included accessories: 2 x BNC UHF Antennas, RMU4000



HT470

PROFESSIONAL WIRELESS
HANDHELD TRANSMITTER

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

The rugged HT470 is an analog professional wireless handheld transmitter with pilot tone transmission to prevent unexpected startup noise. It continuously sends transmitter data, including low-battery information, to the receiver. An infrared data link in conjunction with the automatic frequency setup makes the HT470 extremely simple to use. The unique dipole-antenna design ensures reliable transmission even when one pole of the antenna is covered completely by the user's hand. Available in two versions: D5 and C5

- **Pilot Tone transmission**
for transmitter battery status monitoring and tone code squelch
- **Leading edge dipole-antenna design**
optimum performance even when the antenna is covered
- **Infrared synchronization**
for instant transmitter setup
- **Up to 50mW transmission power**
maximum radio signal strength for long-distance applications
- **Integrated charging contacts**
quick charging of a standard NiMH battery inside the transmitter

Included accessories: 1 x AA Battery, Stand adapter



PT470

PROFESSIONAL WIRELESS
HANDHELD TRANSMITTER

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

The PT470 is an analog professional wireless body-pack transmitter in a small, rugged housing. A pilot tone transmission prevents unexpected startup noise, continuously sending transmitter data, including low battery information, to the receiver. An enhanced battery management allows up to 14 hours of operation on a single AA-size battery. With the integrated charging contacts, a standard NiMH rechargeable battery can be charged inside the transmitter. An optional RMS4000 external mute switch allows the user to mute the transmitter remotely.

- **Pilot tone transmission**
for transmitter battery status monitoring and tone code squelch
- **Compact, rugged body-pack design**
for maximum wearing comfort
- **External mute switch connector**
for remote muting of the microphone
- **Integrated charging contacts**
for charging of a standard NiMH battery inside the transmitter
- **Infrared synchronization**
for instant transmitter setup

Included accessories: 1 x AA Battery, BC400



WMS470 Vocal Set C5

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

WMS470 is a professional multichannel wireless microphone system with Pilot tone transmission to prevent unwanted noise. The Vocal Set C5 includes a HT470 handheld transmitter featuring a C5 condenser microphone capsule for clear and detailed voice reproduction. The space diversity receiver offers both a microphone level and a line level output.



WMS470 Vocal Set D5

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

WMS470 is a professional multichannel wireless microphone system with pilot tone transmission to prevent unwanted noise. The Vocal Set D5 includes a HT470 handheld transmitter featuring a dynamic D5 capsule for well-balanced, powerful sound. The space diversity receiver offers both a microphone level and a line level output.

MULTICHANNEL WIRELESS SYSTEMS



- The WMS470 Vocal Set C5 package includes:
- 1 x SR470 Receiver
- 1 x HT470 Handheld transmitter with C5 capsule
- 1 x Stand adapter, 1 x Rack mount kit, 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery, 2 x Antennas

Included accessories: 1 x AA Battery, 2 x BNC UHF Antennas, RMU4000, Stand adapter

- The WMS470 Vocal Set D5 package includes:
- 1 x SR470 Receiver
- 1 x HT470 Handheld transmitter with D5 capsule
- 1 x Stand adapter, 1 x Rack mount kit, 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery, 2 x Antennas

Included accessories: 1 x AA Battery, 2 x BNC UHF Antennas, RMU4000, Stand adapter



Instrumental Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

WMS470 is a professional multichannel wireless microphone system with pilot tone transmission to prevent unwanted noise. The Instrumental Set includes a PT470 body-pack transmitter in a compact and rugged housing providing supreme audio quality for demanding guitars and e-basses. The space diversity receiver offers both a microphone level and a line level output.

- The WMS470 instrumental Set package includes:
- 1 x SR470 Receiver
- 1 x PT470 Body-pack transmitter
- 1 x MKG L Instrument cable
- 1 x Rack mount kit, 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery, 2 x Antennas, 1 x Belt clip

Included accessories: BC400, 1 x AA Battery, 2 x BNC UHF Antennas, RMU4000, BC400



Sports Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for conference, medium theater and houses of worship applications

WMS470 is a professional multichannel wireless microphone system with pilot tone transmission to prevent unwanted noise. The Sport Set includes a PT470 body-pack transmitter in a compact and rugged housing. The package also enclose a C544 L condenser head-worn microphone featuring a cardioid polar pattern and an external shock mount for high mechanical-noise rejection. Its moisture shield ensures a high degree of humidity protection for the microphone.

- The WMS470 Sports Set package includes:
- 1 x SR470 Receiver
- 1 x PT470 Body-pack transmitter
- 1 x C544 L Head-worn microphone
- 1 x Rack mount kit, 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery, 2 x Antennas, 1 x Belt clip

Included accessories: BC400, 1 x AA Battery, 2 x BNC UHF Antennas, RMU4000, BC400

IVM4500 IEM

REFERENCE WIRELESS IN-EAR-MONITORING SYSTEM

NO COMPROMISE

for live applications and professional installations

IVM4500 IEM is the only wireless in-ear monitoring system featuring an binaural room simulations that provides musicians, vocalists and presenters with a uniquely natural listening experience.

Its high-end radio electronic radio circuitry includes a manual radio signal attenuator for more robust radio reception in crowded environments. An enhanced frequency setup shows the number of free channels. Integrated preset groups support TV channels and allows the operation of up to 14 channels simultaneously within the same frequency band. A quick frequency swap function supports monitor engineers to listen to the audio signals of different channels. An optional network remote control allows frequency coordination and monitoring of multi-channel systems via PC software System Architect™, Apple iPhone/iPad/iPod® or via Soundcraft Vi consoles.

All Products share these features:

- **Diversity Receiver**
two matched antennas ensures reliable transmission
- **Sophisticated, narrow RF filter design**
for best radio signal performance
- **HiQnet network remote control and monitoring**
from PC via Harman software System Architect™, Apple iPhone/iPad/iPod® or Soundcraft Vi consoles
- **Patented DSP filter technology**
for reference sound quality
- **Quick frequency swap function**
to support monitor engineers



SST4500 IEM

REFERENCE WIRELESS IN-EAR-MONITORING STEREO TRANSMITTER

NO COMPROMISE

for live applications and professional installations

SST4500 IEM is a reference wireless in-ear monitoring stereo transmitter for live applications and professional installations. An integrated dbx compressor, different EQ settings, and the unique binaural room simulation algorithms provide outstanding audio performance. Its frequency preset banks support TV-channels and ensure easy and reliable frequency coordination. The radio output power can be set to 10, 20, 50 and 100mW (country-dependent). Optimized radio output power is important when the in-ear monitor system is used together with a wireless microphone system.

- **Patented digital MPX stereo signal creation**
for premium S/N ratio and ultra linear frequency response
- **Rugged half 19" all-metal case transmitter**
for flexible, space-efficient system configurations
- **Up to 14 pre-programmed frequencies per group**
for quick selection of clean transmission frequencies
- **Integrated digital signal processing**
with low-cut filter, 3-band equalizer, dbx® compressor and dbx® limiter
- **Unique IVA binaural room simulation**
for a natural listening experience



SPR4500 IEM

REFERENCE WIRELESS IN-EAR-MONITORING RECEIVER

NO COMPROMISE

for live application and professional installations

SPR4500 IEM is a reference wireless diversity in-ear-monitoring receiver for live applications and professional installations. It provides antenna diversity, with two matched antennas, reference radio electronics design and a manual radio signal attenuator for more robust radio reception in crowded environments. SPR4500 IEM features an automatic set-up function for finding clean frequencies. The receiver provides a backlit display indicating signal strength and battery status. A central positioned on/off/volume control can be operated intuitively. With the "Individual mix"-function a personalized monitor mix can be set up easily.



IP2

REFERENCE WIRELESS IN-EAR-MONITORING RECEIVER

NO COMPROMISE

for live applications and professional installations

The IP2 high-performance in-ear headphones provide wide-range sound and excellent isolation to suppress high ambient noise levels, on loud stages, for example. This makes the IP2 an ideal tool for in-ear monitoring applications. Thanks to the dynamic driver, it delivers a perfectly contoured bass even at very low frequencies. An integrated sliding cable tie and the soft-rubber sleeves enable the IP2 to adapt to every ear. The IP2 earphones are also included in the AKG professional in-ear monitoring system, the IVM4500.

- **Reliable transmission**

two matched antennas and a new reference radio electronic design

- **Best radio signal performance**

with manual RF gain control

- **Enhanced automatic setup**

shows number of free channels and quickly finds a rugged frequency set

- **Reference audio quality**

powerful headphone amplifier with ultra linear frequency response

- **Individual mix**

stereo, mono and dual modes

- **In-ear, closed-back design**

for isolation of stage noise

- **High-performance dynamic driver**

ensures high dynamic range, even at very low frequencies

- **Individual fit with three different sleeves (S, M, L)**

protective carrying case and bag included

WMS420

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FREE YOURSELF!

for live sound, presentations and installations

The WMS420 wireless microphone system provides a highly flexible as well as easy to use solution. The ultra high frequency system is set up within seconds and is equally suitable on stage as well as in locations where a single- or multi channel solution is needed.

The entire WMS420 wireless system consists of the SR420 stationary receiver, HT420 handheld transmitter and the PT420 pocket transmitter. The HT420 handheld transmitter is available with the patented D5 dynamic microphone acoustic. This capsule guarantees maximum rejection against feedback, reduced handling noise and the famous AKG sound. Both transmitters are shipped with charging contacts that enable the use of rechargeable batteries. Moreover the transmitters offer exceptional eight hours of operation time from a single AA size battery, which dramatically reduces the operating costs in day-to-day use.

- **Detachable receiver antennas**
enable the use of professional RF accessories
- **Patented state-of-the-art D5 dynamic capsule**
cuts through the mix
- **Transmitters with charging contacts**
saves money in day-to-day use and preserves the environment
- **Compatible with all AKG MicroMics**
almost all applications can be covered
- **Low battery warning indicator**
for secure operation



SR420

PROFESSIONAL WIRELESS STATIONARY RECEIVER

NO MORE CABLES

for Live Sound, Presentations and Installations

The SR420 analog high-performance space diversity wireless receiver provides maximum ease of use with different channel presets up to eight channels. It is perfect for instrumental and vocal performances in small clubs as well as for use in houses of worship and in conference rooms. The SR420 provides an audio clipping and RF signal LED for easy monitoring of systems status. Best audio signal output is provided via both a professional XLR and a 1/4" jack connector. For worldwide use, the receiver comes with a universal, switched mode power supply kit.

-
- **Detachable receiver antennas**
Enable the use of professional RF accessories
 - **Up to 30MHz selection bandwidth**
Allows the use of up to 8 channels simultaneously
 - **Professional balanced XLR and unbalanced 1/4" jack output**
For the best audio signal
 - **Audio clip and RF control LED on receiver**
For easy monitoring of your performance
 - **Adjustable squelch level**
For secure audio transmission in all environments



HT420

PROFESSIONAL WIRELESS
HANDHELD TRANSMITTER

NO MORE CABLES

for Live Sound, Presentations and Installations

The HT420 analog high-performance wireless handheld transmitter features a dynamic microphone capsule for demanding vocal performances. The cardioid polar pattern ensures maximum gain before feedback and lets your voice cut through any mix. Its spring-steel wire-mesh front grille protects the transducer from the hardships of on-stage use. The HT420 provides a gain control for perfect adjustment of the input volume and a noiseless on/off/mute switch. A battery status indicator shows red before the battery goes dead, allowing the user to fully control his performance time.



PT420

PROFESSIONAL WIRELESS
HANDHELD TRANSMITTER

NO MORE CABLES

for Live Sound, Presentations and Installations

The PT420 is an analog high-performance wireless body-pack transmitter in a small, rugged housing. A professional mini XLR audio connector makes the body-pack compatible with all kinds of guitars, basses, instrumental pickups and headsets. It is designed for stress-free work on small stages, in houses of worship and in conference rooms. The PT420 provides a gain control for perfect adjustment of the input volume and a noiseless on/off/mute switch. A battery-status indicator shows red before the battery goes dead, allowing the user full control of performance time. The package includes a rugged guitar cable.

- **Patented state-of-the-art D5 dynamic capsule**

Cuts through the mix

- **Integrated charging contacts (Optional Accessory: CU400)**

Saves money in day-to-day use and preserves the environment

- **Six to eight hours with a single AA battery**

Long operation time and a low battery indicator guarantee a secure operation

- **Noiseless on/off/mute switch**

For easy operation

- **Gain control on transmitter**

For immediate volume adjustment

- **Integrated charging contacts (Optional Accessory: CU400)**

Saves money in day-to-day use and preserves the environment

- **Compatible with all AKG MicroMics**

Allows the transmitter to be used in a wide range of applications

- **Up to eight hours with a single AA battery**

Long operation time and a low battery indicator guarantee a secure operation

- **Noiseless on/off/mute switch**

For easy operation

- **Gain control on transmitter**

For immediate volume adjustment



Vocal Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

For Live Sound, Presentations and Installations

WMS420 is a professional multi-channel wireless microphone system with pilot tone transmission to prevent unwanted noise. The Vocal Set includes a HT420 handheld transmitter featuring a patented state-of-the-art D5 dynamic capsule for well-balanced, powerful sound. The space diversity receiver offers both a microphone level and a line level output.



Headworn Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

For Live Sound, Presentations and Installations

WMS420 Headworn Set is a professional multi-channel wireless microphone system with the C555 L high-performance head-worn condenser microphone is ideal for hands-free applications, including presentations or onstage performances. The C555 L rests securely and comfortably on the head, and can be attached to the left or right side of the behind-the-neck headband as desired.

- The WMS420 Vocal Set D5 package includes:
- 1 x Handheld transmitter HT420
- 1 x Stationary receiver SR420
- 2 x Receiver antennas
- 1 x AC adapter
- 1 x Stand adapter
- 1 x AA size battery

- The WMS420 Headworn Set package includes:
- 1 x Bodypack transmitter PT420
- 1 x Stationary receiver SR420
- 1 x Head-worn microphone C555 L
- 1 x Windscreen W444
- 2 x Receiver antennas
- 1 x AC adapter
- 1 x AA size battery



Presenter Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

For Live Sound, Presentations and Installations

WMS420 Presenter Set is a professional multi-channel wireless microphone system. It includes the HT420 analog high-performance wireless handheld transmitter featuring a dynamic microphone capsule for demanding vocal performances, the PT420 wireless bodypack transmitter, the SR420 wireless stationary receiver and a Clip-on microphone C417 L.

- The WMS420 Presenter Set package includes:
- 1 x Bodypack transmitter PT420
- 1 x Stationary receiver SR420
- 1 x Clip-on microphone C417 L
- 1 x Windscreen W407
- 2 x Receiver antennas
- 1 x AC adapter
- 1 x AA size battery



Instrumental Set

PROFESSIONAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

For Live Sound, Presentations and Installations

WMS420 is a professional multi-channel wireless microphone system with pilot tone transmission to prevent unwanted noise. The Instrumental Set includes a PT420 bodypack transmitter in a compact and rugged housing providing supreme audio quality for demanding guitars and e-basses. The space diversity receiver offers both a microphone level and a line level output.

- The WMS420 Instrumental Set package includes:
- 1 x Bodypack transmitter PT420
- 1 x Stationary receiver SR420
- 1 x Instrument cable
- 2 x Receiver antennas
- 1 x AC adapter
- 1 x AA size battery

DMSTETRAD

PROFESSIONAL FOUR CHANNEL DIGITAL WIRELESS SYSTEM

LICENSE FREE OPERATION, WORLDWIDE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DMSTetrad is a professional digital 2.4GHz wireless microphone system for worldwide, license-free operation. With 24bit, 48kHz audio coding, it provides uncompressed studio-quality transmission and a linear frequency response - great for uncompromising vocal and instrumental performances. With 128bit AES standard encryption to prevent tapping of the audio signal, it is also a perfect companion for high-security conferences.

Together with the dynamic frequency selection (DFS), time and antenna diversity function, and the world's first implemented innovative DROCON technology, the system promises to deliver a clean and uncompromising vocal and instrumental performance.

- **2.4GHz Wireless Microphone System**
offers worldwide license-free operation
- **Outstanding RF Performance**
innovative DROCON technology delivers uncompromising performance
- **Integrated Four Channel Mixer**
mixes up to four channels directly to one MIX Output on the receiver
- **Uncompressed Audio Transmission**
for authentic studio-quality sound
- **Antenna Front Mount Kit Included**
to mount professional RF accessories also in front of the rack



DSRTetrad

PROFESSIONAL DIGITAL WIRELESS MULTICHANNEL RECEIVER

LICENCE FREE OPERATION WORLDWIDE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DSRTetrad digital wireless multi-channel receiver features bi-directional communication between transmitter and receiver, and offers numerous valuable functions, such as remote power-off for all transmitters and battery status monitoring. Dynamic Frequency Selection (DFS) intelligently selects only the cleanest frequency bands to establish a robust connection to transmitters.

-
- **Dynamic frequency selection in the 2.4GHz ISM band**
 - **19" metal case**
 - **Easy setup functions designed for less experienced operators**
 - **Four channels can be run simultaneously**
 - **Antenna front mount kit included**
 - **Off function for all transmitters**
 - **LED's to monitor clipping and battery status**
 - **4 x balanced channel and 1 x sum output**
 - **Stand alone 19" rack mount brackets**

Included accessories: Rack Mount Kit, Antenna Cables, Detachable Antennas



DPTTetrad

PROFESSIONAL DIGITAL POCKET TRANSMITTER

LICENCE FREE OPERATION WORLDWIDE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DPTTetrad is a professional digital wireless body-pack transmitter for worldwide, license-free operation. With 24-bit 48kHz audio coding, it provides uncompressed studio-quality transmission and a linear frequency response, perfect for demanding instrumental performances. 128-bit AES standard encryption prevents tapping of the audio signal, which makes it a perfect companion for high-security conferences. The DPTTetrad provides digital diversity and an out-of-range warning function to ensure a stable and drop-free signal within the entire operating area.

- Belt clip upside/down
- Easy setup functions designed for less experienced operators
- Auto power off

Included accessories: C111 LP, MKG L, 2 x AA Batteries



DHTTetrad P5

DIGITAL HANDHELD TRANSMITTER

LICENCE FREE OPERATION WORLDWIDE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DHTTetrad is a professional digital wireless handheld transmitter for worldwide, license-free operation. With 24bit, 48kHz audio coding, it provides uncompressed studio-quality transmission and a linear frequency response. It is available in two versions, with D5 or P5 dynamic capsule, perfect for uncompromising vocal performances. 128-bit AES standard encryption prevents tapping of the audio signal, which makes it a perfect companion for high-security conferences. The DHTTetrad provides digital diversity and an out-of-range warning function to ensure a stable and drop-free signal within the entire operating area.

- Supercardioid capsule
- Gain switch high/low level
- Auto power off function

Included accessories: SA63, 2 x AA Batteries



DHTTetrad D5

PROFESSIONAL DIGITAL HANDHELD TRANSMITTER

LICENCE FREE OPERATION WORLDWIDE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DHTTetrad is a professional digital wireless handheld transmitter for worldwide, license-free operation. With 24bit, 48kHz audio coding, it provides uncompressed studio-quality transmission and a linear frequency response. It is available in two versions, with D5 or P5 dynamic capsule, perfect for uncompromising vocal performances. 128-bit AES standard encryption prevents tapping of the audio signal, which makes it a perfect companion for high-security conferences. The DHTTetrad provides digital diversity and an out-of-range warning function to ensure a stable and drop-free signal within the entire operating area.

- Supercardioid capsule
- Gain switch high/low level
- Auto power off function

Included accessories: SA63, 2 x AA Batteries



Vocal Set P5

PROFESSIONAL DIGITAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DMSTetrad Vocal Set P5 is a professional digital 2.4GHz wireless system for worldwide license-free operation. The set includes the DSRTetrad digital wireless receiver and the DHTTetrad handheld transmitter. The handheld transmitter is shipped with the P5 dynamic capsule for uncompressed audio resulting in an uncompromising vocal performance. The receiver offers four channels in one rugged 19" housing. Its one-click pairing function gets the system up and running in seconds.

- **The DMSTetrad Vocal Set P5 includes:**
- **1 x DSRTetrad receiver**
- **1 x DHTTetrad handheld transmitter P5**
- **1 x Universal power supply with US/UK/EU adapter**
- **2 x AA size batteries**
- **1 x SA63 stand adapter**

Included accessories: 2 x AA Batteries, SA63, Rack Mount Kit, Antenna Cables, Detachable Antennas



Vocal Set D5

PROFESSIONAL DIGITAL WIRELESS MICROPHONE SYSTEM

FLEXIBLE AND EXPANDABLE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DMSTetrad Vocal Set D5 is a professional digital 2.4GHz wireless system for worldwide license-free operation. The set includes the DSRTetrad digital wireless receiver and the DHTTetrad handheld transmitter. The system provides uncompressed studio quality and the handheld transmitter is shipped with the patented state of the art AKG D5 dynamic capsule. The receiver offers four channels in one rugged 19" housing. Its one-click pairing function gets the system up and running in seconds.

- **The DMSTetrad Vocal Set D5 includes:**
- **1 x DSRTETRAD receiver**
- **1 x DHTTETRAD handheld transmitter D5**
- **1 x Universal power supply with US/UK/EU adapter**
- **2 x AA size batteries**
- **1 x SA63 stand adapter**

Included accessories: Rack Mount Kit, Antenna Cables, Detachable Antennas, SA63, 2 x AA Batteries



DMSTetrad Performer Set

PROFESSIONAL DIGITAL WIRELESS SYSTEM

FLEXIBLE AND EXPANDABLE

for Live Sound, Club Music, Conferences, Presentation, Seminars and Installations

The DMSTetrad Performer Set is a professional digital 2.4GHz wireless system for worldwide license-free operation. The set includes the DSRTetrad digital wireless receiver and the DPTetrad bodypack transmitter. The system provides uncompressed studio quality and in addition to the bodypack transmitter the system is shipped with the C111 LP ear hook microphone and MKG L instrument cable. The receiver offers four channels in one rugged 19" housing. Its one-click pairing function gets the system up and running in seconds.

Included accessories: Rack Mount Kit, Antenna Cables, Detachable Antennas, 2 x AA Batteries, MKG L, C111 LP

- The DMSTetrad Performer Set includes:
- 1 x DSRTetrad receiver
- 1 x DPTetrad bodypack transmitter
- 1 x C111 LP ear hook microphone
- 1 x MKG L instrument cable
- 1 x Universal power supply with US/UK/EU adapter
- 2 x AA size batteries

MULTICHANNEL WIRELESS SYSTEMS



PERCEPTION WIRELESS

HIGH-PERFORMANCE WIRELESS MICROPHONE
SYSTEM

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

Perception Wireless is a high-performance analog wireless microphone systems which delivers brilliant sound and is easy to use. It is the optimum plug and play wireless solution for small stages, clubs, places of worship, hotels, and gyms. The preset frequency sets allow easy setup from single-channel applications to multichannel systems. Perception Wireless offers exceptional eight hours of operation from a single AA size battery, which dramatically reduces the operating costs in day-to-day use. The system is available in complete set packages for different applications. All include a universal connector kit for worldwide use.

All Products share these features:

- **30MHz selection bandwidth**
save operation for simple multichannel systems
- **Eight hours of operation from a single AA size battery**
saves money in day-to-day use
- **Auto Setup Mode**
plug and play solution for easy setup
- **Switched mode power supply**
universal connector kit for worldwide use



SR45

HIGH-PERFORMANCE WIRELESS STATIONARY
RECEIVER

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The SR45 analog high-performance space diversity wireless receiver provides maximum ease of use with different channel presets up to eight channels. It is perfect for instrumental and vocal performances in small clubs as well as for use in houses of worship and in conference rooms. The SR45 provides an audio clipping and RF signal LED for easy monitoring of systems status. Best audio signal output is provided via both a professional XLR and a 1/4" jack connector. For worldwide use, the receiver comes with a universal, switched mode power supply kit.

- **30MHz selection bandwidth**
simultaneous use of up to 6 channels
- **Professional balanced XLR and 1/4" jack output**
for best audio signal
- **Audio clip and RF control LED on receiver**
for easy monitoring of your performance
- **Switched mode power supply**
universal connector kit for worldwide use
- **Adjustable squelch level**
for secure audio transmission in all environments

Included accessories: PSU12V 500mA EU/US/UK



HT45

HIGH-PERFORMANCE WIRELESS
HANDHELD TRANSMITTER

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The HT45 analog high-performance wireless handheld transmitter features a dynamic microphone capsule for demanding vocal performances. The cardioid polar pattern ensures maximum gain before feedback and lets your voice cut through any mix. Its spring-steel wire-mesh front grille protects the transducer from the hardships of on-stage use. The HT45 provides a gain control for perfect adjustment of the input volume and a noiseless on/off/mute switch. A battery status indicator shows red before the battery goes dead, allowing the user to fully control his performance time.

- **Eight hours of operation from a single AA battery**
saves money in day-to-day use
- **Gain control on transmitter**
for immediate volume adjustment
- **Noiseless on/off/mute switch**
for easy operation

Included accessories: Stand adapter, 1 x AA Battery



PT45

HIGH-PERFORMANCE WIRELESS HANDHELD
TRANSMITTER

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The PT45 is an analog high-performance wireless body-pack transmitter in a small, rugged housing. A professional mini XLR audio connector makes the body-pack compatible with all kinds of guitars, basses, instrumental pickups and headsets. It is designed for stress-free work on small stages, in houses of worship and in conference rooms. The PT45 provides a gain control for perfect adjustment of the input volume and a noiseless on/off/mute switch. A battery-status indicator shows red before the battery goes dead, allowing the user full control of performance time. The package includes a rugged guitar cable.

- **Eight hours of operation from a single AA-size battery**
saves money in day-to-day use
- **Professional three-pin mini XLR connector**
compatible with guitar cables, headset and instrument mics
- **Gain control on transmitter**
for immediate volume adjustment
- **Noiseless on/off/mute switch**
for easy operation
- **Compact and rugged body-pack design**
for maximum wearing comfort

Included accessories: MKG L, BC400, 1 x AA Battery



Presenter Set

HIGH-PERFORMANCE WIRELESS MICROPHONE SYSTEM

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The Perception Wireless high performance Presenter Set delivers brilliant sound and is surprisingly easy to use. The included CK99 lavalier microphone clips on quickly and easily, and provides optimum intelligibility for theater performances, presentations or talk shows. The SR45 receiver provides professional XLR and 1/4" jack outputs.



Vocal Set

HIGH-PERFORMANCE WIRELESS MICROPHONE SYSTEM

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The Perception Wireless high performance Vocal Set delivers brilliant sound and is surprisingly easy to use. The included HT45 handheld transmitter features a dynamic microphone with cardioid polar pattern, ensuring voices to cut through any mix. The SR45 receiver provides professional XLR and 1/4" jack outputs.



- The Perception Wireless Presenter Set package includes:
- 1 x SR45 Receiver
- 1 x PT45 Body-pack transmitter
- 1 x CK99 L Lavalier microphone
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

- The Perception Wireless Vocal Set package includes:
- 1 x SR45 Receiver
- 1 x HT45 Handheld transmitter
- 1 x Stand adapter
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery



Instrumental Set

HIGH-PERFORMANCE WIRELESS MICROPHONE SYSTEM

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The Perception Wireless high performance Instrumental Set delivers brilliant sound for an exceptionally wide range of applications. The included PT45 body-pack transmitter is the smallest and lightest transmitter in its class. It provides a professional three-pin mini XLR connector and can be used with the included guitar cable or one of the optionally available AKG miniature microphones.



Sports Set

HIGH-PERFORMANCE WIRELESS MICROPHONE SYSTEM

NO MORE CABLES

for houses of worship, hotels, clubs and band applications

The Perception Wireless high performance Sports Set delivers brilliant sound and is surprisingly easy to use. The included PT45 body-pack transmitter is the smallest and lightest transmitter in its class. The package also includes a C544 L condenser head-worn microphone featuring an external shock mount for high mechanical-noise rejection. Its moisture shield ensures a high degree of humidity protection for the microphone.

- The Perception Wireless Instrumental Set package includes:
- 1 x SR45 Receiver
- 1 x PT45 Body-pack transmitter
- 1 x MKG L Instrument cable
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

- The Perception Wireless Sports Set package includes:
- 1 x SR45 Receiver
- 1 x PT45 Body-pack transmitter
- 1 x C544 L Head-worn microphone
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

WMS40 MINI

WIRELESS MICROPHONE SYSTEM

SMALL SIZE - BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini wireless microphone system provides crystal clear sound and is a true plug'n'play solution. "Up and running" in a second, it is the optimum wireless solution for small stages, clubs, places of worship, hotels, and gyms. The system is available in different application optimized set packages, all of which includes a universal, switched mode power supply for worldwide operation.

The WMS40 Mini system stands out for its extremely long battery life of 30 hours with a single AA battery which helps saving money in the long run.

All Products share these features:

- **Crystal clear sound**
best audio quality for powerful performances
- **"Up and running" in a second**
plug and play solution for easy setup
- **30 hours of operation from a single AA size battery**
saves money in day-to-day use
- **Switched mode power supply**
universal connector kit for worldwide use



SR40 Mini

SINGLE WIRELESS STATIONARY RECEIVER

SMALL SIZE - BIG SOUND

for houses of worship, hotels, gyms and band applications

The SR40 Mini wireless stationary receiver provides crystal clear audio quality for powerful performances. It features three status LEDs indicating on/off status, received signal strength (RF OK) and audio clipping (AF CLIP). The receiver provides a volume control potentiometer and a noiseless on/off switch to protect the connected speakers. The SR40 Mini features one balanced output via 1/4" jack connector. The supplied switched mode power supply operates on any AC voltage from 110 to 240 V AC and includes EU, UK, and US adapters.

-
- **Crystal clear sound**
for best audio quality
 - **"Up and running" in a second**
plug and play solution for easy setup
 - **Switched mode power supply**
universal connector kit for worldwide use
 - **Ultra compact metal housing**
rugged and lightweight

Included accessories: PSU12V 500mA EU/US/UK



SR40 Mini Dual

DUAL WIRELESS STATIONARY
RECEIVER



HT40 Mini

WIRELESS HANDHELD
TRANSMITTER



PT40 Mini

WIRELESS BODY-PACK
TRANSMITTER

SMALL SIZE – BIG SOUND

*for houses of worship, hotels, gyms and
band applications*

The SR40 Mini Dual wireless stationary receiver provides crystal clear audio quality for powerful performances. It features three status LEDs indicating on/off status, received signal strength (RF OK) and audio clipping (AF CLIP). The receiver provides a volume control and a noiseless on/off switch to protect the connected speakers. The SR 40 Mini DUAL integrates two separate wireless receivers in one compact housing. The SR40 Mini DUAL features two balanced outputs via 1/4" jack connector. The supplied switched mode power supply operates on any AC voltage from 110 to 240 V AC and includes EU, UK, and US adaptors.

SMALL SIZE – BIG SOUND

*for houses of worship, hotels, gyms and
band applications*

The HT40 Mini is a wireless handheld transmitter with a dynamic microphone capsule designed for stressless work in houses of worship, in clubs and on small stages. Its cardioid polar pattern ensures maximum gain before feedback and the unique HDAP (High Definition Audio Performance) technology delivers brilliant sound. The rugged transmitter features an on/off/mute switch and a sturdy wire-mesh cap to protect the microphone element. The HT40 Mini system's stand-out feature is its extremely long battery life of 30 hours off a single AA battery. It represents ultimate ease of use at an unbeatable price-performance ratio.

SMALL SIZE – BIG SOUND

*for houses of worship, hotels, gyms and
band applications*

The PT40 Mini is a wireless body-pack transmitter in a small, rugged housing, perfect for houses of worship, clubs, small stages and gyms. A professional mini XLR audio connector makes the body-pack compatible with all kinds of guitars, basses, instrumental pickups and headsets. The PT40 Mini provides a gain control for perfect adjustment of the input volume and a noiseless on/off/mute switch. Its stand-out feature is its long battery life of 30 hours on a single AA battery. It represents ultimate ease of use at an unbeatable price/performance ratio.

- **Crystal clear sound**
for best audio quality
- **Up and running in a second**
plug and play solution for easy setup
- **Switched mode power supply**
universal connector kit for worldwide use

Included accessories: PSU12V 500mA EU/
US/UK

- **High Definition Audio Performance technology**
for crystal clear audio quality
- **Cardioid polar pattern**
for trouble-free use on narrow stages
- **Robust spring steel grille**
extreme ruggedness for long stage life

Included accessories: Stand adapter, 1 x AA
Battery

- **Unbelievable 30 hours life with a single AA battery**
lowest operating cost in its class
- **Professional three-pin mini XLR connector**
compatible with guitar cables, headset- and
instrument mics
- **Gain control on transmitter**
for immediate volume adjustment

Included accessories: MKG L, BC400, 1 x AA
Battery



Single Vocal Set

WIRELESS MICROPHONE SYSTEM

SMALL SIZE - BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini Single Vocal Set is a true plug'n'play wireless solution providing crystal clear audio sound. The included HT40 Mini handheld transmitter features a dynamic cardioid capsule for maximum gain before feedback. It's extremely long battery life of 30 hours off a single AA battery saves money in day-to-day use. The receiver comes in an ultra compact housing and offers a 1/4" jack output.



Dual Vocal Set

WIRELESS MICROPHONE SYSTEM

SMALL SIZE - BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini Dual Vocal Set is a true plug'n'play wireless solution. Each of the two included HT40 Mini handheld transmitter features a dynamic cardioid capsule for maximum gain before feedback. Their extremely long battery life of 30 hours off a single AA battery saves money in day-to-day use. The receiver offers two balanced outputs via 1/4" jack connectors.

- The WMS40 Mini Single Vocal Set package includes:
- 1 x SR40 Mini Receiver
- 1 x HT40 Mini Handheld transmitter
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

Included accessories: 1 x AA Battery, PSU12V 500mA EU/US/UK, Stand adapter



Single Instrumental

WIRELESS MICROPHONE SYSTEM

SMALL SIZE – BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini Single Instrumental Set is a true plug n play wireless solution providing crystal clear audio sound. The included PT40 Mini body-pack transmitter provides a professional 3pin mini XLR connector, compatible with guitar and bass levels, headsets and instrumental mics. Its extremely long battery life of 30 hours off a single AA battery saves money in day-to-day use. The receiver comes in an ultra compact housing and offers a 1/4" jack output.



Dual Instrumental

WIRELESS MICROPHONE SYSTEM

SMALL SIZE – BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini Dual Instrumental Set is a true plug n play wireless solution providing crystal clear audio sound. Each of the two included PT40 Mini body-pack transmitter provides a professional 3pin mini XLR connector, compatible to all guitars, basses and AKG's MicroMics, from line to mic level. Their extremely long battery life of 30 hours off a single AA battery saves money in day-to-day use. The receiver offers two balanced outputs via 1/4" jack connectors.



Dual Mix Set

WIRELESS MICROPHONE SYSTEM

SMALL SIZE – BIG SOUND

for houses of worship, hotels, gyms and band applications

The WMS40 Mini Dual Vocal/Instrumental Set is a true plug'n'play wireless solution. The included PT40 Mini body-pack transmitter provides a professional 3pin mini XLR connector, compatible with guitar and bass levels, headsets and instrumental mics. The included HT40 Mini handheld transmitter features a dynamic cardioid capsule for maximum gain before feedback. Their extremely long battery life of 30 hours off a single AA battery saves money in day-to-day use. The receiver offers two balanced outputs via 1/4" jack connectors.

MULTICHANNEL WIRELESS SYSTEMS



• The WMS40 Mini Single Instrumental Set package includes:

- 1 x SR40 Dual Receiver
- 1 x PT40 Mini Body-pack transmitter
- 1x MKG L Instrument cable
- 1 x Universal power supply with US/UK/EU adapter, 1 x AA size battery

Included accessories: 1 x AA Battery, PSU12V 500mA EU/US/UK, BC400

• The WMS40 Mini Dual Instrumental Set package includes:

- 1 x SR40 Dual Mini Receiver
- 2 x PT40 Mini Handheld transmitter
- 2 x MKG L Instrument cable
- 1 x Universal power supply with US/UK/EU adapter, 2 x AA size battery

Included accessories: MKG L, 1 x AA Battery, PSU12V 500mA EU/US/UK, BC400

• The WMS40 Mini Dual Instrumental Set package includes:

- 1 x SR40 Dual Mini Receiver
- 2 x PT40 Mini Handheld transmitter
- 2 x MKG L Instrument cable
- 1 x Universal power supply with US/UK/EU adapter, 2 x AA size battery

WIRELESS ACCESSORIES



APS4

ANTENNA POWER SPLITTER

SPLIT IT UP

for DMS700, WMS4500, WMS470, WMS420 receivers

The APS4 is a wide-band UHF active Antenna and Power Splitter that can feed up to 4 receivers with the RF signal coming from one pair of antennas and also supplies power to all connected receivers via BNC cables. The splitter operates in an extended frequency range of 470 to 952 MHz. Adjustable RF-level attenuation settings guarantee maximum operating distance even when using different cable lengths and different types of cables. The APS4 comes in a rugged half-rack metal housing and works with all active and passive AKG antennas available on the market (RA4000 B/W, RA4000 W, SRA2 B/W and SRA2 W).

- **Operates in an extended frequency range**
from 470 to 952 MHz for maximum flexibility
- **Cable length adjustment switch**
for optimizing antenna signal levels
- **Link output**
to cascade up to three APS4 for larger systems
- **Remote power for antennas and receivers**
to eliminate any extra installation effort
- **All in one box**
rack mount kit and cables included

Included accessories: MK PS, RMU4000



SRA2 W

PASSIVE DIRECTIONAL WIDE-BAND UHF ANTENNA



SRA2 B/W

ACTIVE DIRECTIONAL WIDE-BAND UHF ANTENNA



RA4000 W

PASSIVE OMNIDIRECTIONAL WIDE-BAND UHF ANTENNA

The SRA2 W is a passive directional wide-band UHF antenna that can be used as a transmitting or receiving antenna for wireless microphones and in-ear monitoring systems.

The SRA2 B/W is an active directional wide-band UHF receiving antenna for use with wireless microphone systems. It operates in a frequency range from 500MHz to 865MHz.

The RA4000 W is a passive omnidirectional wide-band UHF antenna that can be used as a transmitting or receiving antenna for wireless microphones and in-ear monitoring systems. It operates in a frequency range from 500MHz to 865MHz.

Included accessories: Stand adapter



RA4000 B/W

ACTIVE OMNIDIRECTIONAL WIDE-BAND UHF ANTENNA



AB4000

ANTENNA BOOSTER



ASU4000

REMOTE ANTENNA POWER SUPPLY

The RA4000 B/W is an active omnidirectional wide-band UHF receiving antenna for use with wireless microphone systems. It operates in a frequency range from 500MHz to 865MHz.

Included accessories: Stand adapter

AB4000 is a high-performance antenna booster to compensate signal loss on long antenna cables. One AB4000 can compensate 3.5 to 17.5 dB of cable attenuation. Up to two boosters can be cascaded in case of extremely long cable runs.

The ASU4000 is a remote antenna power supply unit for large-scale antenna distribution or small antenna systems where no PS4000 W is in use. It provides the necessary power for up to three active antenna elements (RA4000 B, SRA2 B, AB4000) via the antenna cable.

NETWORK SYSTEMS

PLAY IT SAFE!

It doesn't matter: in tour sound mode or permanently in- stalled systems in theaters, conferences or multi-functional buildings, remote control is essential for the operation of multi-channel wireless systems. Thanks to harman hiQnet integration, AKG wireless systems offer the best net- working possibilities of all products on the market today.

The System Architect™ computer based program from harman allows audio installation planning and controlling, from microphone to loudspeaker, for the entire audio signal chain. The Audio Architect offers a unique frequency coordination solution – the so-called 1 click Setup – where intermodulation free frequencies for the entire wireless system can be calculated with a single click.

The AKG iPhone wireless app is a unique tool for the monitoring of installations using an Apple iPhone. It displays all the essential parameters and RF graph directly on the iPhone's touchscreen, and combined with VM2 means networking possibilities can be extended allowing AKG wireless systems to seamlessly operate with Soundcraft Vi mixing consoles (the most important parameters are directly shown in the corresponding channel of the mixer).



HUB4000 Q

HIQNET ETHERNET INTERFACE

MAKE THE CONNECTION

supports DMS700, WMS4000/4500 and IVM4/4500

The HUB4000 Q reference HiQnet® ethernet interface allows you to connect up to eight AKG wireless devices to a HiQnet network. HUB4000 Q connects to the network via a standard CAT-5 cable. For large wireless systems, several HUB 4000 Qs can be cascaded using commercial Ethernet switches (or routers, wireless hubs, etc.), allowing you to configure and monitor complex systems from a single application.

- **Connects up to 8 wireless devices to HiQnet® network**
enables remote control via Audio Architect™, AKG Wireless app and VM2
- **Cascadable via standard ethernet switches**
for easy setup of large system configurations
- **Central 10 LED operating display**
for full control on data transfer status
- **Covered DIP switches on front panel**
for quick and safe setup of the IP address
- **Rugged half-rack metal housing**
for flexible, space efficient system configurations

Included accessories: RMU4000, 8 x RJ10 Cable

Item Number: 2999Z00140



Audio Architect plugin

HIQNET REMOTE CONTROL PC
SOFTWARE



VM2

SOUNDCRAFT VISTONICS
MICROPHONE MONITORING



iPhone App

HIQNET REMOTE CONTROL IOS
APP

AKG's System Architect™ plug-in automatically identifies all HUB4000 Qs connected to a HiQnet® system. The channel-oriented user interface provides intuitive control of all wireless channel parameters.

With VM2 Vistonics Microphone Monitoring, Soundcraft and AKG are making the FOH engineer's life easier. Any AKG wireless microphone can be directly monitored from a Soundcraft Vi consoles surface.

The AKG Wireless iPhone™ App is a reference remote control for iOS devices. It enables monitor and control of a complete AKG wireless system from an Apple iPhone, iPad™ or iPod™ touch via Wi-Fi™.



CU4000

CHARGING UNIT



CU400

CHARGING UNIT

The BP4000 and CU4000 represent a premium charging system for the transmitter of the WMS4500 wireless microphone system as well as for the body-pack receiver of the IVM4500 IEM system.

Item Number:

CU4000 none: 2887X00060

CU4000 EU/US/UK/AU: 2887X01060

The AKG CU400 is a high-performance drop-in-style battery charger for WMS450 and WMS470 series wireless handheld and body-pack transmitters.

Item Number:

CU400 EU/US/UK: 2934H00010

CU400 none: 2934H00040 without power supply

PROFESSIONAL HEADPHONES

IF SOUND IS YOUR BUSINESS

In recording studios around the world, AKG headphones have set the standard for more than 60 years. Closed headphones are commonly used for monitoring in the recording studio, whereas semi-open headphones, due to their spatial sound pattern, are more typical for control monitoring, mixing and mastering.

The acclaimed AKG models K271 and K240 have a recognized name and are a permanent feature in the international studio scene. Singers not only love the distinctive sound of AKG headphones, but also the comfort of the automatically adjustable headband. For sound engineers, high quality listening is essential. It is not unusual for them to prefer AKG headphones as a cost-effective alternative to expensive monitor speakers, and appreciate special features such as the automatic mute feature.

It is due to this exceptional performance and their durability that AKG headphones are appreciated by musicians, DJs and sound engineers, and have been proven time and again in live performances around the world.



K812

SUPERIOR REFERENCE HEADPHONES

THE MASTERPIECE

for superior listening, mixing and mastering

The AKG K812 Superior Reference Headphones carry 53mm transducers – the largest transducers AKG has ever applied. With the 1.5 Tesla Magnet System and an ultra-lightweight two-layer voice coil, these headphones deliver an accurate imaging and pure, natural sound. The K812 was also designed for long mixing or listening sessions: An open mesh headband and slow retention ear pads with sound sealing ensure maximum comfort that will let you forget that you have the K812 on your head.

-
- **Powerful 53mm transducers**
enable highest in-class headroom
 - **Sophisticated open-back technology**
reduces reflections for accurate imaging and natural sound
 - **1.5 Tesla Magnet System, Ultra-lightweight two-layer voice coil**
provides the most accurate and powerful experience possible

Item Number: 3458X00010



K712 PRO

REFERENCE STUDIO HEADPHONES

MASTER THE SOUND

for precision listening, mixing and mastering

The K712 PROs are reference, open, over-ear headphones for precise listening, mixing and mastering. The over-ear design guarantees maximum wearing comfort for fatigue-free mixing and mastering, while providing spacious and airy sound without any compromise. Their precise powerful sound results from improved low-end performance by 3dB. These headphones have a genuine soft leather headband for a lightweight and comfortable fit. Their carefully selected transducers provide consistency and accurate localization.

- **Over-ear design**
maximum wearing comfort for long work sessions
- **Sophisticated open technology**
for spacious and airy sound without compromise
- **Improved low-end performance by 3dB**
for more powerful sound imaging
- **Revolutionary flat wire voice coil**
for incredible impulse and treble response

Item Number: 2458X00140



K612 PRO

REFERENCE STUDIO HEADPHONES

SIMPLE PURITY

natural sound imaging for professional monitoring

K612 PRO headphones are reference open, over-ear phones that deliver natural sound imaging for professional monitoring. The advanced open technology offers comfort for long working sessions and a full, spacious sound. AKG's patented Varimotion™ diaphragm technology completes the unique sound of the K612 PRO. Obvious features such as the self-adjusting real leather headband, aluminum arches and solid rivets not only provide a lightweight, maximum comfort fit, but also reinforce the quality AKG has provided to studio engineers for decades.

- **Over-ear design**
for maximum wearing comfort for long work sessions
- **Sophisticated open technology**
for spacious and airy sound without compromise
- **Patented Varimotion™ Diaphragm Technology**
for high-quality imaging and sound
- **Genuine self-adjusting leather headband**
for automatic fit and maximum wearing comfort
- **Computer-optimized neodymium magnets**
for ultra-low transducer distortion

Item Number: 2458X00100



K702

REFERENCE STUDIO
HEADPHONES



K701

REFERENCE CLASS PREMIUM
HEADPHONES



K553 PRO

CLOSED-BACK STUDIO
HEADPHONES

PURE PERFECTION

for precision listening, mixing and mastering

The K702's are reference, open, over-ear studio headphones for precision listening, mixing and mastering. They combine an extremely accurate response with agility and spaciousness. This is achieved by using revolutionary flat-wire voice coils and a patented Varimotion two-layer diaphragm. A totally open design and a high-performance cable complete these reference headphones. The K702's comfortable, specially shaped 3D-foam ear pads and a padded genuine-leather headband ensure a perfect fit. They provide a professional mini XLR connector for quick replacement of the cable. The K702s are individually tested and serial-numbered.

EXPERIENCE PURE PERFECTION!

reference class premium headphones

Whether you prefer the holistic approach or like to listen analytically, the K 701 will turn perception into pure enjoyment. AKG is the first manufacturer in the world to use revolutionary flat-wire technology in headphones, namely the K 701. The result is a truly dramatic sound that places every musician at his or her correct location with pinpoint accuracy. This kind of agility and spaciousness in addition to brilliant highs and velvety, punchy bass is simply miraculous. These superlative open-back dynamic headphones provide an outstanding accurate sound and excellent imaging. Try the K 701 and find out what ingenious headphone engineering can do for you.

CLOSED BACK PERFORMANCE MEETS OPEN BACK SOUND

for monitoring and at the mixing desk

The K553 PRO's are closed-back, over-ear studio headphones for monitoring, mixing and mastering. Their unique performance results from the perfect balance between the noise-isolating qualities of a closed-back headphones and the spacious, dimensional sound of an open-back design. The 50mm drivers provide a strong, yet accurate and distinguished bass response as needed for monitoring and mastering contemporary music. The extra large, soft ear pads ensure stress free listening over hours and the 2D-axis mechanism enables full flat folding for easy storage or handling on the road.

- **Over-ear design**
for maximum wearing comfort
- **Sophisticated open technology**
for spacious sound without compromise
- **Patented Varimotion diaphragm**
for improved high-frequency range

Included accessories: Gold Plated Mini Jack Adaptor

Item Number: 2458X00190

- **Revolutionary flat-wire voice coil technology**
for extremely accurate sound and transient response
- **Patented Varimotion diaphragm**
for sparkling highs and accurate bass response
- **Comfortable, specially shaped ear pads**
for perfect fit

Item Number: 2458X00180

- **Lightweight Over-ear design**
for maximum wearing comfort over hours of continuous listening
- **Advanced closed-back technology**
for high noise insulation
- **50mm transducer**
for precise sound reproduction

Item Number: 3280H00100



K271 MKII

PROFESSIONAL STUDIO HEADPHONES

UNIVERSAL GENIUS

for monitoring, mastering, studio and live sound mixing

The K271 MKIIs are professional over-ear headphones for studio and live use. They combine the comfort of an over-the-ear design and the benefits of closed-back technology for best possible sound reproduction. The sealed design ensures low signal bleeding into microphones in the studio and maximum isolation for live mixing applications. The K271 MKIIs feature a switch in the headband that mutes the audio just as soon as the headphones are taken off. They provide a professional mini XLR connector for quick replacement of the cable. The package includes a 3m (10ft) straight and 5m (16ft) coiled cable.

- **Over-ear design**
for maximum wearing comfort
- **Advanced closed technology**
for best possible sound reproduction
- **Auto-mute feature**
mutes headphones when they are taken off

Included accessories: EK500, EK300, Velvet earpads

Item Number: 2470X00190



K171 MKII

PROFESSIONAL STUDIO HEADPHONES

SMILING FACE

for live sound mixing [FOH] and drummers

The K171 MKII professional on-ear, closed studio headphones provide the highest possible noise insulation, perfect for live sound mixing. In order to support familiar hearing habits, the K171 MKII's show a slight 'smiley face' EQ curve with a little bass and treble boost. Their well-defined bass reproduction makes the K171 MKII's the Number One playback headphones for demanding bass players and drummers worldwide. The professional mini XLR connector allows quick replacement of the cable. The package includes a 3m (10ft) straight cable, a 5m (16ft) coiled cable, and leatherette and velvet ear pads.

- **On-ear design**
for highest possible noise attenuation
- **Advanced closed technology**
for best possible sound reproduction
- **Slight bass and treble boost**
for appealing sound reproduction

Included accessories: EK500, EK300, Velvet earpads

Item Number: 2908X00190



K240 MKII

PROFESSIONAL STUDIO HEADPHONES

EVERYBODY'S DARLING

for precision listening, mixing and mastering

The K240 MKII professional over-ear, semi-open headphones are a long-time standard in studios, in orchestras and on stages around the world. Its advanced Varimotion 30 mm XXL transducers deliver solid low end, accurate mids and crystal-clear highs. The semi-open design provides the airiness of open headphones with the powerful bass response of closed designs. For more than three decades, professional engineers and musicians have made the K240 the most widely used headphones in studios and at live consoles around the world.

- **Over-ear design**
for comfort during long work sessions
- **Semi-open technology**
for solid bass and airy highs
- **Patented Varimotion 30 mm transducer**
for accurate signal transfer

Included accessories: EK500, EK300, Velvet earpads

Item Number: 2058X00190



K141 MKII

PROFESSIONAL STUDIO HEADPHONES

EASY INTONATION

for superior vocal recordings

The K141 MKII professional semi-open, on-ear headphones are an advanced version of the legendary K141 headphones, ideal for studio monitoring. The patented 30mm XXL transducers with Varimotion technology deliver higher sensitivity, a wide dynamic range and an incredible SPL. Optimized for single-ear use as well, they deliver familiar sound and makes intonation easy. The K141 MKII headphones feature gimbal suspended leatherette and velvet ear cups and a self-adjusting headband for great fit and maximum comfort, even in long work sessions. A professional mini XLR connector allows quick replacement of the cable.

- **On-ear, semi-open design**
for solid base and airy highs
- **Optimized for single-ear use**
keeps the familiar sound and makes intonation easier
- **Patented Varimotion 30mm transducer**
for accurate signal transfer

Included accessories: EK500, EK300

Item Number: 2144X00190



K121 Studio

HIGH-PERFORMANCE STUDIO HEADPHONES

COST-EFFICIENT THRILLS

for monitoring and playback in studio

The K121 MKII professional on-ear semi-open headphones are a cost-effective alternative to the K141 MK IIs for studio monitoring and playback. Designed for single-ear use, they deliver familiar sound and make intonation easy. The K121 MKII headphones feature gimbal-suspended leatherette ear cups for easy cleaning. The self-adjusting headband makes them comfortable to wear and easy to use, even in long work sessions. The K121 MKII's come with a fixed, single-sided, straight cable.

- **On-ear, semi-open design**
for solid bass and airy highs
- **Optimized for single-ear use**
for familiar sound and easier intonation
- **Self-adjusting headband**
maximum comfort for long work sessions

Item Number: 2144X00170



K15

HIGH-PERFORMANCE CONFERENCE HEADPHONES

HIGH LEVEL CONFERENCE

for schools, conference, tour guides and assistive listening

K15 high-performance on-ear headphones evolved over decades of experience in the field of conferencing and set new standards. Sophisticated design is paired with high quality audio and advanced security technology. Optimal adjustment to any head size and light weight design allow hours of use, while forgetting the presence of these headphones. After the conference wiping with a simple hygienic tissue will prepare the unit for the next user, without the need to exchange expensive foam cushions. The steel bow is made of stainless spring steel to keep its shape for the entire lifetime and at the same time making the headphones flexible enough to achieve different wearing positions.

- **Wide frequency range**
for modern multimedia conferences
- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Rugged construction**
for an extra-long life of reliability and stability

Item Number: 3446H00010



K99 Perception

HIGH-PERFORMANCE
HEADPHONES

VALUE FOR MONEY

for project studios and rehearsals

The K99 Perception high-performance over-ear, semi-open headphones combine excellent sound quality and an astounding price/performance ratio. Their large, high-performance 40mm (1-7/12") speakers provide a natural, uncolored sound, ideal for project studios. The K99 Perception features gimbal-suspended leatherette ear cups for easy cleaning. The self-adjusting, lightweight headband ensures a pleasant fit for long hours. The K99's come with a 3m (9-3/4ft) fixed, straight cable, including convertible jack plug.



K77 Perception

STUDIO HEADPHONES

CONVINCINGLY POWERFUL

for project studios and rehearsal

The K77 Perception over-ear, semi-closed headphones provide powerful sound at an amazing value, perfect for home and project studios. These closed-back headphones are an all-around performer, offering an accurate listening experience. K77 Perception headphones include comfortable leatherette ear pads and a self-adjusting headband, allowing extended wear without discomfort. They come with a 2.5m (8ft), fixed, straight cable, including convertible jack plug.



K44 Perception

STUDIO HEADPHONES

FEEL LIKE A PRO

for project studios and rehearsals

The K44 Perception over-ear, closed headphones provide excellent sound with a powerful low end and clean highs. They offer pure listening experience for different applications, like project studios and home recording. The K44 Perception headphones include comfortable leatherette ear pads and a self-adjusting headband that allow extended wear without discomfort. They come with a 2.5m (8ft), fixed, straight cable including convertible jack plug.

PROFESSIONAL HEADPHONES



- **Over-ear, semi open design**
for well-balanced sound quality

- **Large high-performance 40mm (1-7/12") speakers**
provide a natural uncolored sound

- **Extremely lightweight**
for excellent comfort

Item Number: 6000H09230

- **Over-ear, semi-closed design**
for high comfort

- **Large high-performance 40mm (1.6") speakers**
provide a powerful and convincing sound

- **Extremely lightweight**
for excellent comfort

Item Number: 6000H09210

- **Over-ear, closed design**
for high comfort

- **Solid bass and clean highs**
for well-balanced sound quality

- **Leatherette ear pads**
for easy cleaning

Item Number: 6000H09170



HSC271

PROFESSIONAL HEADSETS WITH CONDENSER MICROPHONE

WINNING COMBINATION

for intercom, ENG/EFP, recordings and video production

The HSC271 professional over-ear, closed headset is a standard for intercom, ENG/EFP work and video production. It is based on the successful K271 MKII Studio headphones combined with a high-performance condenser microphone. The flexible microphone arm mutes the microphone automatically as it is moved up. The microphone can be mounted to the left or right side, depending on personal preference and available space. The HSC271 features a switch in the headband that mutes the audio just as soon as the headphones are taken off. The high-quality six-pin mini XLR connector allows quick replacement of the cable.

- **Over-ear, closed design**
for high comfort and high noise attenuation
- **Condenser microphone on flexible boom**
for best audio quality
- **Auto-mute for headphone and microphone**
prevents feedback
- **Switchable bass-cut filter**
minimizes rumble and wind noise
- **Self-adjusting headband**
allows extended wear without discomfort

Item Number: 2955X00290 (cable available separately)



HSC171

PROFESSIONAL HEADSETS WITH
CONDENSER MICROPHONE

The headset combines the K171 MKII studio headphones with a high-performance condenser microphone.

- **On-ear, closed design**
for highest possible noise attenuation
- **Condenser microphone on flexible boom**
for best audio quality
- **Switchable bass-cut filter**
minimizes rumble and wind noise

Item Number: 2955X00280 (cable available separately)



HSD271

PROFESSIONAL HEADSETS WITH
DYNAMIC MICROPHONE

The HSD271 professional over-ear, closed headset is a standard for intercom, ENG/EFP work and video production.

- **Over-ear, closed design**
for high comfort and high noise attenuation
- **Sealed design**
for recordings without unwanted spill
- **Dynamic microphone on flexible boom**
for maximum robustness

Item Number: 2955X00270 (cable available separately)



HSD171

PROFESSIONAL HEADSETS WITH
DYNAMIC MICROPHONE

The headset combines the K171 MKII studio headphones with a rugged dynamic microphone.

- **On-ear, closed design**
for highest possible noise attenuation
- **Dynamic microphone**
for maximum robustness
- **Self-adjusting headband**
allows extended wear without discomfort

Item Number: 2955X00260 (cable available separately)



HSC15

HIGH-PERFORMANCE CONFERENCE HEADSET

The HSC15 high level conference headset is AKG's latest headset in the field of conferencing. Sophisticated design pairs with high quality audio and advanced technology.

- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Low impedance technology**
for lots of SPL to override room noise when needed
- **Cleanable high gloss polished plastic ear cups**
comply with all hygienic standards

Item Number: 3446H00010

DAM+ SERIES

REFERENCE MODULAR INSTALLED MICROPHONES

EXECUTIVE MODULARITY

for use in theatres, houses of worship and conference rooms

The DAM+ (Discreet Acoustics Modular) Series is the logical evolution of AKG's renowned DAM Series of installed microphones. Targeting the premier league of the installation market, literally everything became even better with the DAM+ Series. Its slimmer design and improved audio quality are a perfect fit in the high-end market.

An additional interface between gooseneck module and phantom power adapter means added modularity and flexibility, resulting in significant advantages throughout the distribution chain, with fewer variations need to be stocked. The added modularity and new accessories enable solutions for applications never before dreamed of. With just a few components on hand, it allows a nearly unlimited number of useful combinations.

All Products share these features:

- **Sophisticated staple capsule technology**
for studio-quality audio performance
- **Wide frequency range**
for perfect studio sound
- **Integrated LED ring indicator**
for full control of the system status
- **Added modularity**
enables solution for applications never before dreamed of
- **RFi Shield technology**
provides high immunity to radio-frequency interference (e.g. mobile phones)



CK49

REFERENCE SHOTGUN CONDENSER MICROPHONE CAPSULE

EXECUTIVE MODULARITY

for use in theatres, houses of worship and conference rooms

The CK49 is a reference shotgun condenser microphone capsule with an 80° pickup angle and clean off-axis response. It is an ideal tool for inexperienced speakers; when people talk into the microphone from greater distances it focuses on the voice, and when they talk into it from very short distances it reduces pop-noise. Its special capsule is a further development of the legendary CK47 capsule. Like its predecessor, it has been designed using AKG's unique staple technology for brilliant studio-quality audio performance.

-
- **Tight, hypercardioid polar pattern**
eliminates off-axis noise
 - **80° pickup angle**
for inexperienced speakers and greater distances
 - **Sophisticated staple capsule technology**
for studio-quality audio performance
 - **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life
 - **Highly efficient windscreen**
reduces wind and pop noise

Included accessories: Windscreen

Item Number: 3165Z00030



CK43

REFERENCE SUPERCARDIOID
CONDENSER MICROPHONE
CAPSULE

The CK43 is a reference supercardioid condenser capsule with studio-quality audio performance.

- **Supercardioid polar pattern**
eliminates noise from the sides
- **95° pickup angle**
perfect where people talk from greater distances
- **Sophisticated staple capsule technology**
for studio-quality audio performance

Included accessories: Windscreen

Item Number: 3165Z00020



CK41

REFERENCE CARDIOID
CONDENSER MICROPHONE
CAPSULE

The CK41 is a reference condenser capsule with a wide cardioid polar pattern and a speech optimized frequency response.

- **Cardioid polar pattern**
eliminates noise from the rear side
- **125° pickup angle**
for inexperienced or very vivacious speakers
- **Sophisticated staple capsule technology**
for studio-quality audio performance

Included accessories: Windscreen

Item Number: 3165Z00010



GN155 M Set

REFERENCE GOOSENECK FLOOR
STAND

The GN155 M is a reference 1490mm (58.7in) gooseneck module with a heavy, shock-mounted floor stand.

- **Elegant, low profile floor stand**
fitting all environments
- **Integrated switchable LED ring**
to show system status
- **Extremely rugged gooseneck construction**
for an extra-long life of reliability and stability

Item Number: 3165H00240



GN15 (30, 50) M

REFERENCE MODULAR GOOSENECK MODULES

The DAM+ Series reference gooseneck modules for permanent and mobile installation are available in three different lengths: 165mm (6.5in), 300mm (11.8in) or 500mm (19.7in).

- **Extremely rugged gooseneck construction**
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life

Included accessories: LED ring expander

Item Number:

GN15 M: 3165H00080 165mm (6.5in)

GN30 M: 3165H00090 300mm (11.8in)

GN50 M: 3165H00100 500mm (19.7in)



PAESP M

REFERENCE PHANTOM POWER MODULE

The DAM+ Series PAESP M is a programmable phantom power module for fixed and mobile installation.

- **Programmable on/mute/off switch**
offers noiseless switching
- **Selectable operating modes**
for switchable bass roll off and light-ring function
- **RFi Shield technology**
provides high immunity to radio-frequency interference

Item Number: 3165H00170



PAE5 M

REFERENCE PHANTOM POWER MODULE

The PAE5 M is a reference phantom power module for fixed and mobile installation.

- **Extra feeding of LED ring to show mic status**
for use with automixers including logic outputs
- **Highly reliable contacts to mounting modules**
prevent contact problems and ensure extra-long life

Item Number: 3165H00160



PAE M

REFERENCE PHANTOM POWER MODULE

The PAE M reference phantom power module for fixed and mobile installation provides a gold-plated three-pin XLR connector.

- **Feeds all DAM+ Series capsules**
for highest flexibility
- **RFi Shield technology**
provides high immunity to radio-frequency interference
- **Accepts 9-52V input**
for almost any available mixer inputs

Item Number: 3165H00150



HM1000 M

The HM1000 M is a reference hanging module compatible with all capsules of the DAM+ Series (CK41, CK43 and CK49).

- **Twist-free 10m cable included**
to fix and secure the designated mic position
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life
- **Spring clamp for vertical adjustment**

Included accessories: LED ring expander, hanging clamp

Item Number: 3165H00250



CGN341 E DAM+ Set

DISCREET ACOUSTICS MODULAR PLUS GOOSENECK MICROPHONE SET

EXECUTIVE MODULARITY

for theaters, houses of worship and conference rooms

The CGN341 E DAM+ set is a Discreet Acoustics Modular Plus tabletop microphone set that provides the components needed to handle a wide range of applications with the flexibility to cover a variety of situations. It features the CK41 Reference Cardioid Condenser Microphone Capsule, the GN30 M DAM+ series reference gooseneck module and the PAE M phantom power module. The CK41 offers a wide cardioid polar pattern and a speech optimized studio quality frequency response. It's especially suited for inexperienced or very vivacious speakers and applications where more than one person uses the microphone in turn. The whole set is extremely slim, but still rugged and features an LED ring that indicates whether the phantom power is on or off.

- **Extremely rugged gooseneck construction**
for extra-long life, reliability and stability
- **Cardioid polar pattern**
eliminates noise from behind the mic
- **125° pickup angle**
for inexperienced or lively speakers
- **Highly reliable contacts on capsule, gooseneck and power module**
prevents contact problems and ensures long life
- **Studio quality frequency response**
for the best audio performance possible in that field

Item Number: 3165H00500



STS DAM+ WL

PROFESSIONAL TABLETOP STAND FOR WIRELESS USE

FOR FAST AND ELEGANT SETUP

Meeting rooms, Cort rooms - conferencing, Houses of worship, Presentations

The STS DAM+ WL is based on a heavy duty tabletop mechanical design and is compatible with the AKG DAM+ series of goosenecks and capsules. Due to its heavy weight and 'clever rubber' feet it absorbs shock well and keeps the microphone firmly in place. When fitted with one of the compatible AKG pocket transmitters you have a complete wireless conferencing solution. A rugged mute switch rated for more than 25.000 operations controls the microphone while an LED indicator clearly show the mic status; this may be mirrored on compatible goosenecks that include a status indicator ring. A 3.5mm input socket allows connection of up-to 4x AKG CBL410 wired conference mics or a presenter laptop to create a simple wireless presentation station.

- **Heavy duty**
firm fit and shock absorbing
- **Select from AKG WMS40/45/420/470 and DMS700 transmitter options**
enables flexibility for all budgets and needs
- **Fitting AKG DAM+ Series**
high quality gooseneck and capsule options for all needs
- **MUTE switch combined with LED bar and LED microphone ring**
clear microphone status for all participants of a meeting
- **3,5 mm input**
to feed in e.g. a laptop signal for wireless multimedia presentations

Item Number: 2966H00030



ST6

HEAVY DUTY TABLE STAND

The ST6 is a heavy duty table stand for universal use. It provides two professional 3-pin SLR connectors as audio interface. The ST6 is compatible with a wide range of microphones, e.g. DAC microphones.

Item Number: 2966H00040



STS DAM+

HEAVY DUTY TABLE STAND

The STS DAM+ is a heavy duty table stand with extremely good shock absorbing properties. It provides a 4-pin connector compatible with all DAM+ Series goosenecks CS3 gooseneck microphones.

Item Number: 2966H00030



MF M

MOUNTING FLANGE

Mounting flange for use with DAM+ Microphone series

Item Number: 3165H00220



UWA9 M

MOUNTING PLATE

The UWA9 M is a holder for wireless bodypack transmitters. It perfectly fit on the GN155 M floor stand gooseneck module

Item Number: 3165H00280



W40 M

WINDSCREEN

The W40 M windscreen with rugged wiremesh grill is compatible with the CK41 and CK43 capsules from the DAM+ Series.

Item Number: 3165H00290

DAM SERIES

HIGH-PERFORMANCE MODULAR INSTALLED MICROPHONES

PROVEN RELIABILITY

for use in houses of worship, conference rooms and theatres

The DAM (Discreet Acoustics Modular) Series is a range of high-performance installed microphones which have proven its worth for many years world-wide. It brilliantly fulfills the three key requirements that are essential for sound system applications: modularity, reliability and a low profile.

The DAM Series offers a choice of five capsule modules with different polar patterns and frequency responses. A wide range of goosenecks and special-purpose installation modules make this microphone series extremely versatile and easy to use.

The excellent response and extremely good intelligibility make the DAM Series the first choice whenever quality and reliability have top priority.

All Products share these features:

- **Extremely rugged gooseneck construction**
for an extra-long life of reliability and stability
- **Integrated LED ring indicator**
for full control of the system status
- **Switchable bass roll off**
for reduction of body noise and proximity effect
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life
- **Broad assortment of mounting accessories available**
for quick and hassle-free installation



CK33

HIGH-PERFORMANCE HYPERCARDIOID CONDENSER MICROPHONE CAPSULE



PROVEN RELIABILITY

for use in houses of worship, conference rooms and theaters

The CK33 is a high-performance hypercardioid condenser microphone capsule and a good choice in situations when noise comes from the sides or people talk into the microphone from greater distances. The CK33 capsule is integrated into a rugged metal housing and fits any mounting module of the DAM Series. To prevent contact problems, the capsule is equipped with large-area, self-cleaning, gold-plated contacts with deep threads to prevent misalignment and ensure extra-long life. The package includes a special two-part wind-screen, which reduces wind and pop noise.

-
- **Highly efficient 2-in-1 windscreen**
reduces wind and pop noise
 - **Wide frequency range**
for a speech-optimized audio performance
 - **Hypercardioid polar pattern**
eliminates noise from the sides
 - **95° pickup angle**
perfect when people talk from greater distances
 - **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life

Included accessories: W30

Item Number: 2765X00220



CK32

HIGH-PERFORMANCE OMNIDIRECTIONAL CONDENSER MICROPHONE CAPSULE



The CK32 is a high-performance omnidirectional condenser microphone capsule.

- **Highly efficient 2-in-1 windscreen**
reduces wind and pop noise
- **Wide frequency range**
for a speech-optimized audio performance
- **Omnidirectional polar pattern**
high sensitivity in all directions

Included accessories: W30

Item Number: 2765H00210



CK31

HIGH-PERFORMANCE CARDIOD CONDENSER MICROPHONE CAPSULE



The CK31 is a high-performance condenser microphone capsule with a wide cardioid polar pattern.

- **Cardioid polar pattern**
eliminates noise from the rear
- **125° pickup angle**
for inexperienced or very vivacious speakers
- **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life

Included accessories: W30

Item Number: 2765H00200

CK80

HIGH-PERFORMANCE SHOTGUN CONDENSER CAPSULE



The CK80 high-performance shotgun microphone capsule provides an 80° pickup angle and offers a speech-optimized frequency response.

- **Tight, hypercardioid polar pattern**
eliminates noise from the sides
- **Speech-optimized frequency response**
for excellent intelligibility in acoustically critical environments
- **Highly reliable contacts for capsule modules**
prevent contact problems and ensure extra-long life

Included accessories: W80

Item Number: 2765Z00240



CK47

HIGH-PERFORMANCE SHOTGUN CONDENSER MICROPHONE CAPSULE



The CK47 is a high-performance shotgun condenser microphone capsule with an 80° pickup angle and studio-quality audio.

- **Highly reliable capsule contacts**
prevent contact problems and ensure extra-long life
- **Highly efficient 2-in-1 windscreen**
reduces wind and pop noise
- **Tight, hypercardioid polar pattern**
eliminates noise from the sides

Included accessories:

Item Number: 2765Z00230



GN15

HIGH-PERFORMANCE MODULAR GOOSENECK MODULES

DAM Series GN gooseneck modules for permanent screw-on installation are available in: 15cm(6in), 30cm(12in), 50cm(20in).

- **Discreet, screw-on mounting module** for permanent installations

Included accessories: Screw Set GN

Item Number:

GN15: 2765H00010 160mm/6.3in length
GN30: 2765H00030 305mm/12in length
GN30 CS: 2765H00270 305mm/12in length
GN30 OC: 2765H00050 305mm/12in length
GN50: 2765H00080 500mm/20in length
GN50 CS: 2765Z00280 500mm/20in length



GN15 E

HIGH-PERFORMANCE MODULAR GOOSENECK MODULES

The DAM Series GN E gooseneck modules for fixed and mobile installation comes with an integrated XLR phantom power adapter.

- **Gooseneck with XLR connector module** for quick setup and takedown
- **Integrated phantom power adapter** connects to any standard mixer

Included accessories: Screw Set GN, PS3 F-LOCK

Item Number:

GN15 E: 2765H00020 160mm/6.3in length
GN30 E: 2765H00040 305mm/12in length
GN50 E: 2765H00090 500mm/20in length



GN15 ESP

HIGH-PERFORMANCE MODULAR GOOSENECK MODULES

The DAM Series GN ESP gooseneck modules for fixed and mobile installation can serve perfectly in small setups.

- **Programmable on/mute/off switch** offers basic discussion system functions
- **Gooseneck with XLR connector module** for quick setup and takedown

Included accessories: Screw Set GN

Item Number:

GN15 ESP: 2765H00450 160mm/6.3in length
GN30 ESP: 2765H00460 305mm/12in length
GN50 ESP: 2765H00470 500mm/20in length



GN15 (30, 50) E5 Pin

HIGH-PERFORMANCE MODULAR GOOSENECK MODULES

The GN E 5Pin high-performance gooseneck modules for fixed and mobile installation fits all DAM Series capsules.

- **Gooseneck with 5-pin XLR connector module**
- **Extra-large LED ring indicator** provides enhanced visible MIC ON/OFF indication

Included accessories: Screw Set GN

Item Number:

GN15 E 5Pin: 2765Z00390 160mm/6.3in length
GN30 E 5Pin: 2765H00400 305mm/12in length
GN50 E 5Pin: 2765Z00410 500mm/20in length



GN155 Set

HIGH-PERFORMANCE
GOOSENECK MODULE WITH
FLOORSTAND

PROVEN RELIABILITY

*for use in houses of worship, conference
rooms and theatres*

The GN155 is a 155cm (4ft 11in) gooseneck module with a heavy, shock-mounted floor stand, suitable for stand-alone use on stages or placed in front of a lectern. A supplied screw-on extension tube can be used to raise the microphone for tall users and in choir applications. The GN155 has an attached 10m (33ft) cable with XLR phantom power adapter. It is excellently suited for use as a lectern microphone in houses of worship and meeting halls. The gooseneck module fits all DAM Series capsules, CK31, CK32, CK33, CK47 and CK80, via highly reliable contacts.



HM1000

HIGH-PERFORMANCE HANGING
MODULE

PROVEN RELIABILITY

*for use in houses of worship, conference
rooms and theatres*

The HM1000 is used to fly microphones from the ceiling to pick up music or speech in houses of worship and conference rooms and on theater stages. The HM1000 provides a 10m (33ft) cable, specially treated to reduce twisting, even if the environment temperature varies. A spring steel hanging clamp for precise microphone alignment keeps the microphone securely in position. A switchable LED ring helps the sound engineer in monitoring system function during the soundcheck. The hanging module fits all DAM Series capsules, CK31, CK32, CK33, CK47 and CK80, via highly reliable contacts.



CGN331 E

DISCREET ACOUSTICS MODULAR
GOOSENECK MICROPHONE SET

PROVEN RELIABILITY

*for houses of worship, conference rooms
and theatres*

The CGN331 E is a Discreet Acoustics Modular gooseneck microphone set that includes the key components needed to provide high quality, reliable performance for a wide range of applications. It features the CK31 high-performance condenser microphone capsule that mounts to the included GN30 E gooseneck module. The CK31 offers a wide cardioid polar pattern and is designed for inexperienced speakers and applications where more than one person uses the microphone in turn. The GN30 E gooseneck module works in fixed or mobile installations and comes with an integrated XLR phantom power adapter with 250Hz bass rolloff, LED ring. It connects to any standard mixer input with 9V – 52V power supply.

- **Low-profile floor stand gooseneck module**
for permanent installations and mobile applications
- **Extremely rugged gooseneck construction**
for an extra-long life of reliability and stability

Included accessories: ST305

Item Number: 2765H00180

- **Mounting module for hanging microphones**
for unobtrusive pickup in difficult places
- **Twist-free 10m cable included**
to fix and secure the designated mic position
- **Highly reliable contacts for capsule modules**
prevent contact problems

Item Number: 2765H00100

- **Cardioid polar pattern**
eliminates noise from the rear
- **125° pickup angle**
for inexperienced or very vivacious speakers
- **30 cm gooseneck with XLR module**
for quick setup and takedown

Item Number: 2765H00500

COMPACT 99ER SERIES

PLUG 'N' PLAY INSTALLED MICROPHONES

AN EASY JOB

for use in houses of worship, conference rooms and theaters

The 99ers is a unique range of high class microphones for applications where budget, not modularity, is a major consideration. The 99er Series offers a user-friendly system that fulfills its basic functions perfectly. While an excellent price-performance ratio was achieved by focusing on essential features, no compromise was made with regard to the sound of the capsules.

All microphones are equipped with proper RF shielding to meet the high demands for electromagnetic compatibility in everyday installations. The mix of high class acoustics, RF shielding and the rugged all-metal part design makes the 99ers easy to install and absolutely reliable in use.

The 99er Series offer a high class microphone for any application at a remarkable price point.

All Products share these features:

- **Compact solution**
for Plug 'n' Play
- **All metal housing**
withstands the tough requirements of everyday usage
- **Sophisticated RF shielding**
for maximum reliability and excellent audio



CGN99 C

CARDIOD CONDENSER GOOSENECK
MICROPHONES



AN EASY JOB

for use in houses of worship, conference rooms and theaters

The CGN99 C/S and CGN99 C/L, part of the DAC Series, are condenser gooseneck microphones with a cardioid polar pattern. They are specially designed for inexperienced speakers who talk into the microphone from widely varying angles. The rugged gooseneck is available in two different lengths (C/S: 30cm (12in); C/L: 50cm (20in) and ideal for fixed and mobile installations. CGN99 C/S and CGN99 C/L come with an integrated XLR phantom power adapter with 250Hz bass rolloff. The phantom power adapter connects to any standard mixer input with 9V to 52V power supply.

-
- **Compact solution**
for plug and play
 - **Cardioid polar pattern**
eliminates noise from the rear
 - **Two different gooseneck lengths**
30cm (C/S) or 50cm (C/L) available

Included accessories: Windscreen

Item Number:

CGN99C/Large: 2965H00130 580mm/23in length
CGN99C/Small: 2965H00110 380mm/15in length



CGN99 H

HYPERCARDIOID CONDENSER GOOSENECK MICROPHONES



AN EASY JOB

for use in houses of worship, conference rooms and theaters

The CGN99 H/S and CGN99 H/L, part of the DAC Series, are condenser gooseneck microphones with a hypercardioid polar pattern. They are a good choice for all situations when unwanted noise arrives from the sides or where people talk into the microphone from greater distances. The rugged gooseneck is available in two different lengths (C/S: 30cm (12in); C/L: 50cm (20in) and ideal for fixed and mobile installations. CGN99 H/S and CGN99 H/L come with an integrated XLR phantom power adapter with 250Hz bass rolloff.

- **Compact solution**
for plug and play
- **Hypercardioid polar pattern**
perfect where people talk from greater distances
- **Two different gooseneck lengths**
30cm (C/S) or 50cm (C/L) available

Included accessories: Windscreen

Item Number:

CGN99H/Large: 2965X00140 580mm/23in length
CGN99H/Small: 2965X00120 580mm/23in length



CHM99

HANGING CARDIOD CONDENSER MICROPHONE



AN EASY JOB

for use in houses of worship, conference rooms and theaters

The CHM99, part of the 99ers Series, is a hanging microphone module with cardioid polar pattern, used to record music or speech in houses of worship, conference rooms or on theater stages. The CHM99 is available in black or white. A 10m (33ft) special cable that is treated specially to reduce twisting to a minimum and a spring steel hanging clamp for precise microphone alignment keeps the microphone securely in its position. The attached phantom power adapter connects to any standard mixer input with 9V to 52V power supply.

- **Compact solution**
for plug and play
- **Wide pickup angle**
for unobtrusive pickup in difficult places
- **Twist-free cable**
to fix and secure the designated mic position
- **Spring steel hanging clamp included**
for quick and hassle-free installation
- **Available in black and white**

Included accessories: Windscreen

Item Number:

CHM99 Black: 2965H00150 Black color
CHM99 White: 2965H00160 White color



CGN521 STS

PROFESSIONAL TABLETOP MICROPHONE SET

KEEP THE DISTANCE

for lecterns, courtrooms and houses of worship

The CGN521STS is a heavy duty professional tabletop microphone set with excellent shock absorbing properties. Its features a CGN521 condenser gooseneck microphone with a cardioid polar pattern on a slim, 50 cm long gooseneck. This professional microphone is specially designed for inexperienced speakers who talk into the microphone from widely varying angles. The tabletop microphone provides an extremely rugged switch capable of withstanding more than 25,000 switching cycles. It can be programmed for the following functions: push to talk, push to mute, push on/off, low cut on/off. An LED square clearly indicates the microphone's status. The CGN521 STS comes with a professional, gold plated 3-pin XLR audio input.

-
- **50 cm slim line gooseneck microphone**
for big tables and standing applications
 - **Switch with programmable functions**
like push to talk, push to mute, push on/off and low cut on/off functions
 - **Heavy duty metal housing**
ensures a firm support for long goosenecks
 - **LED status square**
for clear indication of the microphone status
 - **Gold plated connector**
for long lasting secure contact

Item Number: 2966H00020

CGN321 STS

PROFESSIONAL TABLETOP MICROPHONE SET

COME CLOSER

for conference tables, courtrooms and houses of worship

The CGN321 STS is a heavy duty professional tabletop microphone set with excellent shock absorbing properties. It features a CGN351 condenser gooseneck microphone with a cardioid polar pattern on a slim, 30 cm long gooseneck. This professional microphone is specially designed for inexperienced speakers who talk into the microphone from widely varying angles. The tabletop microphone set provides an extremely rugged switch capable of withstanding more than 25,000 switching cycles. It can be programmed for the following functions: push to talk, push to mute, push on/off, low cut on/off. An LED square clearly indicates the microphone's status. The CGN321 STS comes with a professional, gold plated 3-pin XLR audio output.



- **30 cm slim line gooseneck microphone**
for wherever table space is limited
- **Switch with programmable functions**
like push to talk, push to mute, push on/off, low cut on/off functions
- **LED status square**
for clear indication of the microphone status
- **Heavy duty metal housing**
for excellent shock absorbing properties
- **Gold plated connector**
for long lasting secure contact

Item Number: 2966H00010

ON THE LIMIT OF PERCEPTION

Boundary layer microphones are used anywhere where direct speaking to a microphone for optical or practical reasons is not always possible. For this reason, greater distance to the sound source is compensated for by a physical trick: by mounting the microphone on an acoustic surface, like a floor, wall or ceiling, it is possible to strengthen the sound pressure concentration of the desired signal.

The first such commercially built microphones were manufactured by Crown who coined the now protected name "Pressure Zone Microphones" (PZM) in the 1970s. Today Crown microphones are built and sold by AKG and together they offer the largest range of boundary layer microphones on the market today. The application of these microphones is widespread: radio and recording studios, churches and conference centre intercom systems



CBL31 WLS

PROFESSIONAL BOUNDARY LAYER MICROPHONE FOR WIRELESS USE

FAST AND ELEGANT SETUP

meeting rooms, court rooms / conferencing, houses of worship

The CBL31 WLS is a professional boundary layer microphone for wireless use. It is based on a heavy duty tabletop mechanics and includes the well-known cardioid capsule CK31 from the DAM Series. Due to its heavy weight it is very well shock absorbing and holds the microphone firm on place. Various AKG pocket transmitters fit into the housing to transform the station into a complete wireless solution. A rugged mute switch (more than 25.000 switching cycles) controls the microphone and an LED bar to clearly show the status.

-
- **Heavy duty**
firm fit and shock absorbing
 - **Cardioid polar pattern**
120° angle for more mobility in front of mic
 - **Select from AKG WMS40/45/420/470 and DMS700 transmitter options**
enables flexibility for all budgets and needs
 - **MUTE switch combined with LED bar**
clear microphone status for all participants of a meeting
 - **3.5 mm input**
cascade up to four CBL410 to cover a larger meeting table

Item Number: 2967H00010



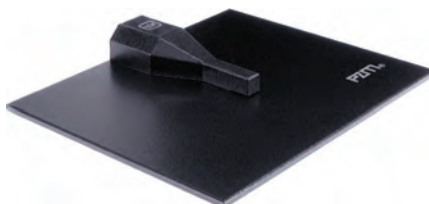
PCC160

PROFESSIONAL BOUNDARY
LAYER MICROPHONE

The PCC160 is a professional boundary layer microphone and an industry standard stage floor microphone.

- **Supercardioid polar pattern**
for impressive gain before feedback
- **PCC® (Phase Coherent Cardioid®) technology**
for a wide, smooth frequency response
- **Three-position bass-tilt switch**
for optimized body noise suppression

Item Number: 3332H00010



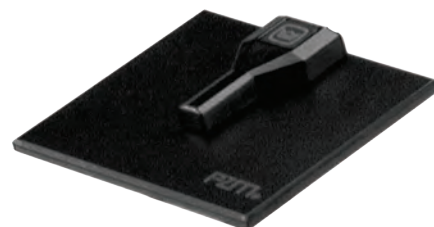
PZM30 D

HIGH-PERFORMANCE
HEMISPHERICAL BOUNDARY
LAYER MICROPHONE

The PZM30 D high-performance hemispherical boundary layer microphone is a Pressure Zone Microphone®.

- **Hemispherical polar pattern**
for intelligible pickup of sound from any direction
- **PZM® (Pressure Zone Microphone®) technology**
prevents sound coloration from surface reflections

Item Number: 3323H00010



PZM6 D

HIGH-PERFORMANCE
HEMISPHERICAL BOUNDARY
LAYER MICROPHONE

The PZM6 D high-performance hemispherical boundary layer microphone is designed for many applications

- **Hemispherical polar pattern**
for intelligible pickup of sound from any direction
- **PZM® (Pressure Zone Microphone®) technology**
prevents sound coloration from surface reflections

Item Number: 3322H00010

BOUNDARY LAYER MICROPHONES

AKG
by HARMAN



C547 BL

PROFESSIONAL BOUNDARY LAYER MICROPHONE



The C547 is a hypercardioid professional boundary layer microphone. It is built on the same acoustical components as the legendary C747 V11.

- **Hypercardioid polar pattern**
for maximum rejection of disturbing signals
- **Acoustics based on C747 V11**
for wide, smooth frequency response

Included accessories: W547

Item Number: 2447Z00010



PCC170

PROFESSIONAL BOUNDARY
LAYER MICROPHONE



PCC130

HIGH-PERFORMANCE BOUNDARY
LAYER MICROPHONE



PZM185

HEMISPHERICAL BOUNDARY
LAYER MICROPHONE

TAKING CARE OF BUSINESS

*for conference and house-of-worship
applications*

The PCC170 and the PCC170 SW are professional boundary layer microphones with supercardioid polar pattern to minimize background noise and feedback. The microphones are designed for use on boardroom tables or lecterns. Both microphones provide a bass-tilt switch, allowing the user to tailor the low-end response and reduce subsonic noise. The included RFI suppression ensures trouble-free operation even with active cell phones nearby. The PCC170 SW has a silent-operating programmable membrane switch that can be configured for touch on/off, momentary on or momentary off. For easy installation, both microphones offer an XLR connector and a detachable cable.

MAKE YOUR STATEMENT

*conference, courtroom and distance-learning
applications*

The PCC130 and the PCC130 SW are cardioid boundary layer microphones of professional quality that, due to their small size, fit perfectly on small tables. Thanks to low self-noise and very high sensitivity, the microphone picks up even distant voices clearly and naturally. A bass-tilt switch allows the user to tailor the low-end response and reduce subsonic noise. The PCC130 SW has a silent-operating programmable membrane switch that can be configured for touch on/off, momentary on or momentary off. A high-intensity LED lights when the unit is on. For easy installation, both microphones offer an XLR connector and a detachable cable.

BLENDS IN PERFECTLY

broadcast and video production

The PZM185 is a Pressure Zone Microphone® designed for applications such as group discussions, interviews, broadcast and home video production. The paddle can be detached, which makes it nearly invisible when mounted on tables, floors, walls, lecterns or cameras. The PZM185 is powered by either an internal AAA 1.5V battery or 12–48V phantom power. It provides a wide, smooth frequency response and is protected against static and RFI. The XLR output is balanced and low-impedance, which allows long cable runs without hum pickup or high-frequency loss.

- **Supercardioid polar pattern**
offers high gain before feedback

Item Number:

PCC170: 3331H00010

PCC170 SW: 3330H00010 With mute switch

PCC170 SW: 6000H50860 With mute switch,
non RoHS conform

PCC170 SWO: 3329H00010 With mute switch
open cable ends

PCC170 SWO: 6000H50850 With mute
switch open cable ends, non RoHS conform

- **Cardioid polar pattern**
reduces background noise and feedback

- **PCC® (Phase Coherent Cardioid®)
technology**

for optimum speech intelligibility

Item Number:

PCC130: 3334H00010

PCC130 SW: 6000H50890 With mute switch,
non RoHS conform

PCC130 SW: 3333H00010 With mute switch

- **Hemispherical polar pattern**
for clear, intelligible pickup of speech

- **Universal power concept**

works with battery or phantom power

- **Low-impedance XLR-type output**

no hum pickup or high-frequency loss

Item Number: 3324H00010



MB3

HIGH-PERFORMANCE, FLUSH-MOUNT BOUNDARY LAYER MICROPHONE

SPREAD THE WORD

theater, conference, meeting-room and security applications

The MB3 is a high-performance, miniature boundary microphone for flush-mount installation. Thanks to its supercardioid pickup pattern, the MB3 greatly reduces ambient noise and pickup of room reverberation. The result is a clearer, more intelligible sound for applications such as teleconferencing, distance learning, boardrooms, courtrooms and security. The MB3 provides a three-pin XLR-type, low-impedance, balanced mic-level output and is powered by 12–48V phantom power.

- **Supercardioid polar pattern**
offers high gain before feedback
- **PCC® (Phase Coherent Cardioid®) technology**
for optimum speech intelligibility
- **Miniature design**
virtually disappears when installed
- **LED indicator**
for clear mic on/off notification
- **Mounts easily into tabletops, walls and ceilings**
for fixed applications

Item Number:

MB3: 3336H00010

MB3: 6000H50920 non RoHS conform



MB4

MINIATURE BOUNDARY LAYER MICROPHONE

LITTLE BIG MIC

House-of-worship, conference and ticket-window applications

The MB4 is a miniature boundary microphone for table-top installation. Thanks to its supercardioid pickup pattern, the MB4 greatly reduces ambient noise and pickup of room reverberation. The result is a clearer, more intelligible sound for applications such as teleconferencing, distance learning, boardrooms and courtrooms. The MB4 has a cable leading to an XLR-type output connector with built-in mic electronics. It is powered by 12–48V phantom power and is low-impedance balanced.

- **Supercardioid polar pattern**
offers high gain before feedback
- **PCC® (Phase Coherent Cardioid®) technology**
for optimum speech intelligibility
- **Removable grille assembly**
can be painted to blend in with furniture
- **LED indicator**
for clear mic on/off notification
- **Balanced, low-Z output**
prevents hum and high-frequency loss

Item Number: 3335H00010



CBL410 PCC

PC MICROPHONE



CBL99

HEMISPHERICAL BOUNDARY
LAYER MICROPHONE



Sound Grabber II

HEMISPHERICAL BOUNDARY
LAYER MICROPHONE

BOUNDARY LAYER MICROPHONES

CONNECTS THE WORLD

for VoIP and teleconferencing applications

The CBL410 PCC is a microphone for use with any PC or laptop. It improves audio quality when conferencing via VoIP. The microphone reproduces the voice with a clear and natural sound. With its 3.5mm stereo jack, it is a real plug-and-play device. No drivers are needed. Its cascading capability makes the CBL410 PCC the perfect tool for single-person usage in the office and/or for multiperson usage in a meeting room. This microphone provides optimum intelligibility and audio quality for your meetings.

WHAT A BARGAIN

for recording applications

The CBL99 is a hemispherical boundary layer microphone designed to deliver superior results for a multitude of recording applications. The CBL99 is small, lightweight and easy to place. Since the transducer sits in a metal plate only 5mm (0.2 in) thick, the plate doesn't interfere with or color the sound. Frequency response is very uniform within its hemisphere, and it captures the room sound of an instrument very accurately. The CBL99 requires 9V - 52V phantom power. Its output is unbalanced via a professional XLR connector with switchable bass-cut filter.

I'M ALL EARS

for home-video production

The Sound Grabber II hemispherical boundary layer microphone utilizes Pressure Zone Microphone® technology in which sound waves reinforce themselves in the area nearest a flat surface. Thus, the Sound Grabber II will pick up sounds at distances with clarity while speakers or vocalists can move freely around the microphone without their tone quality changing. The Sound Grabber II is powered by an internal AAA 1.5V battery. The 3.5mm jack output is unbalanced and of mid-impedance, which allows it to connect directly to cameras and recorders.



- **Cascadable**
for multiperson use

Item Number:

CBL410 Conference Set black: 3177H00110
CBL410 Conference Set white: 3177H00120
CBL410 PCC Black: 3177H00010 Black color
CBL410 PCC White: 3177H00020 White color
CBL410 Workstation Set: 3177H00130

- **Studio-quality microphone capsule**
offers a sensational price/performance ratio
- **High sensitivity and low self-noise**
to ensure generous headroom in critical situations
- **Extremely small and inconspicuous**
for mobile and installed solutions

Item Number: 2762X00110

- **Universal power concept**
works with battery or phantom power
- **Mid-impedance phone connector type output**
perfectly fits cameras and recording gear
- **Detachable boundary paddle**
for very low profile mounting

Item Number: 3321H00010



PZM10

PROFESSIONAL FLUSH-MOUNT
BOUNDARY LAYER MICROPHONE

The PZM10 and PZM10 LL, part of the Pressure Zone Microphone® line, are designed for security and surveillance use.

- **Hemispherical polar pattern**
for clear, intelligible pickup of speech
- **Low-profile, cylindrical design**
perfect for wall or tabletop installation
- **Choice of mic level output or line-level output (PZM10 LL)**
for optimized level matching

Item Number: 3328H00010



PZM11

PROFESSIONAL FLUSH-MOUNT
BOUNDARY LAYER MICROPHONE

The PZM11 professional boundary layer microphone is characterized by a consistent pickup anywhere around the mic.

- **Hemispherical polar pattern**
for clear, intelligible pickup of speech
- **Low-frequency rolloff**
effectively reduces HVAC rumble
- **Screw terminal**
no need for connectors

Item Number: 3326H00010



PZM11 LL WR

PROFESSIONAL WEATHER-
RESISTANT HEMISPHERICAL
BOUNDARY LAYER MICROPHONE

The PZM11 LL WR is a professional weather-resistant boundary layer microphone designed for many applications.

- **Hemispherical polar pattern**
for clear, intelligible pickup of speech
- **Weather-resistant model**
for outdoor use
- **Line-level output**
connects directly to video recorders

Item Number:

BOUNDARY LAYER MICROPHONES

C562 CM

PROFESSIONAL FLUSH-MOUNT BOUNDARY LAYER MICROPHONE

The C562 CM is a professional flush-mount boundary microphone, designed for permanent, invisible mounting in ceilings, walls, tables and stages.



- **Hemispherical polar pattern**
for clear, intelligible pickup of speech
- **High sensitivity**
for a great pickup area
- **Low-profile cylindrical design**
perfect for wall or tabletop installation

Item Number: 2262X00030

TO HEAR, OR NOT TO HEAR?

When Hamlet recited the almost immortal words “To be, or not to be?” he had to hold a severed head in his hand without a microphone! Theaters, television stations and conference centers, then, are highly dependent on head-sets and Lavalier microphones. These tiny lapel mics are not only characterized by their comfort and mounting possibilities on clothing, but they are practically invisible, ensuring freedom of movement and excellent voice clarity.

Discreet headsets from AKG offer a patented self-adjusting headband mechanism which even in sudden or abrupt movements offers a secure grip. The fixed position of the microphone – a constant distance from the mouth – also ensures low feedback and constant signal quality, and the moisture resistant construction ensures superior sound performance with the highest degree of reliability



HC577 L

REFERENCE HEAD-WORN MICROPHONE



NO SWEAT

for theater and broadcast applications

The HC577 L is an extremely small reference head-worn microphone, designed for on-stage use. The microphone uses a CK77 omnidirectional transducer that has been an industry standard for lavalier capsules for years and ensures superior audio performance. A patented body design protects the microphone from moisture and perspiration. The capsule uses the signal of two vertical diaphragms mounted back to back, mixed out of phase to cancel out mechanical and cable noise.

-
- **Adjustable headband and left/right selectable boom**
for maximum comfort and flexibility
 - **Dual-diaphragm transducer**
for suppression of cable noise
 - **Resistant to moisture, perspiration and salts**
withstands sudorific stage performances
 - **Interchangeable capsule module**
for quick and easy service
 - **Omnidirectional polar pattern**
for unchanging sound quality in all directions

Included accessories: W77 MP, Dropring,

Item Number: 3141Z00010



C544 L

HIGH-PERFORMANCE SPORTS HEAD-WORN
CONDENSER MICROPHONE



1-2-3-4, RUN, TURN HIP AND JUMP

for aerobics and handsfree speech applications

The C544 L high-performance head-worn miniature condenser microphone with an easily fitting headband is perfect for gymnastics instruction and other handsfree speech applications. A transducer shock mount reduces body noise to a minimum and the short microphone arm places the microphone in the right position to the mouth to minimize pop and breathing noise.

- **Fully rugged sports headband**
for secure fit in all situations and movements
- **Cardioid polar pattern**
for problem-free use with high ambient noise rejection
- **Flexible shock mount**
for efficient suppression of mechanical and body noise
- **Moisture shield**
ensuring a dry microphone capsule
- **Includes four drop rings**
for sweat and water protection

Included accessories: W444, Dropring

Item Number: 2793Z00060



C111 LP

HIGH-PERFORMANCE LIGHTWEIGHT EAR HOOK
MICROPHONE

SMALL AND EFFECTIVE

for presentations and theater applications

The C111LP is a stainless steel & lightweight ear hook microphone ideal for presentations and theater applications. Its ultra light construction and design ensures robustness and reliability, while allowing perfect adjustment and fit to any speaker or performer. The inconspicuous and skin colored boom won't distract from what matters most, the performance. Weighing an amazingly light 7g, the C111LP is comfortable to wear during even the longest performances. Delivered with a carrying pouch, windscreen and cable clip, it is suitable for all AKG pocket transmitters.

- **Ultra lightweight construction**
for maximum comfort
- **Stainless steel**
for reliable performances
- **Soft and flexible boom**
designed for individual adjustment and ease of use
- **Maximum plug and play options**
fits all AKG pocket transmitters within the AKG range

Item Number: 6500H00030



CK77 WR

PROFESSIONAL LAVALIER MICROPHONE

The CK77 WR is an extremely small, omnidirectional professional lavalier microphone.

- **Dual-diaphragm transducer**
for suppression of cable noise
- **Resistant to moisture, perspiration and salt**
withstands sudorific stage performances

Included accessories: H40/1, H41

Item Number:

CK77 WR L Black: 2441Z00390
CK77 WR L Flesthone: 2441Z00400
C577 WR: 2441Z00310



C417

PROFESSIONAL LAVALIER MICROPHONE

The C417 is a professional lavalier microphone with omnidirectional polar pattern.

- **Omnidirectional polar pattern**
for unchanging sound quality
- **Extremely lightweight**
for excellent comfort and perfect fit

Included accessories: H40/1, H41, Microphone bag, W407

Item Number:

C417 L Black: 2577X00080 Black color,
C417 PP Black: 2577X00120 Black color
C417 L Flesthone: Flesthone color



CK99 L

CONDENSER LAVALIER MICROPHONE



The CK99 L is a condenser lavalier microphone with cardioid polar pattern.

- **Cardioid polar pattern**
eliminates noise from the rear
- **125° pickup angle**
for inexperienced or very vivacious talkers
- **Small housing and durable metal clip**
for inconspicuous, secure mounting

Included accessories: Windscreen

Item Number: 6000H51040



CK97

REFERENCE LAVALIER MICROPHONE

The CK97 C/L is a reference condenser lavalier microphone with a consistent cardioid pattern. It ensures minimum ambience pickup and high gain before feedback live.

- **Cardioid accurate axial response and uniform pattern control**
for uncolored sound quality and high gain before feedback
- **125° pickup angle**
for inexperienced or very vivacious talkers
- **Professional three-pin, mini XLR connector**
fits all AKG wireless pocket transmitters

Item Number:

CK97 C/L: 2497Z00080, CK97 CVR WL: 1400Z00970



DST99 S

DYNAMIC PAGING MICROPHONE

PUBLIC ANNOUNCEMENT

for paging systems, ticket windows and reception desks

The DST99 S is a paging microphone with cardioid polar pattern for general public address and communication use. The DST99 S provides a frequency response tailored to speech use, for optimum intelligibility as well as good off-axis rejection, high gain before feedback and suppression of unwanted ambient noise. The all-metal body ensures a long useful life for the microphone, even in tough day-to-day use. The DST99 S is mounted on a table stand with an on/off switch and supplies a coiled cable with three-pin XLR connector. Using a dynamic capsule, the DST99 S does not require any powering.

- **Compact solution**
for plug and play
- **Rugged gooseneck and all-metal body**
for long life even in tough day-to-day usage
- **Coiled cable with three-pin XLR connector**
for quick and hassle-free installation

Item Number: 6000H51030



D58 E

PROFESSIONAL DYNAMIC NOISE-CANCELING MICROPHONE

COME CLOSER

for intercom use at ticket windows and in public transport

The D58 E is a dynamic, hypercardioid, close-talking microphone for talkback and intercom applications. In order to improve speech intelligibility in noisy environments, the D58 E is tuned to a mid-frequency range. Thus it compensates for proximity effect and provides a flat response to near sources. The D58 E is rugged and lightweight, operating over a wide range of temperatures and humidity. Using a dynamic capsule, the microphone does not require any powering. It has an integral XLR connector for mounting on a gooseneck such as the optional GNS36.

- **Hypercardioid polar pattern**
eliminates noise from the sides
- **Close-talking optimized frequency tuning**
will give a flat response to near sources
- **Small, rugged metal housing**
fits gooseneck modules like the GNS36

Item Number: 1632Z00150



DGN99

DYNAMIC GOOSENECK MICROPHONE



MESSAGE DELIVERED

for paging systems, ticket windows and reception desks

The DGN99 and DGN99 E are dynamic gooseneck microphones with cardioid polar pattern for general public address and communication use. The microphones provide a frequency response tailored for optimum intelligibility, good off-axis rejection for high gain before feedback and suppression of unwanted ambient noise. The all-metal body ensures a long, useful life for the microphone even in tough day-to-day use. The DGN99 E comes with an integrated XLR connector while the DGN99 offers open cables for universal use. Using a dynamic capsule, the microphones do not require any powering.

- **Compact solution**
for plug and play
- **Cardioid polar pattern**
eliminates noise from the rear
- **Rugged gooseneck and all-metal body**
for long life even in tough day-to-day usage

Item Number:

DGN99: 6000H51010 dynamic paging mic
DGN99 E: 6000H51020 dynamic paging mic

THE INVISIBLE ASSISTANT

In different settings, automatic microphone mixers ensure unobtrusive and reliable reproduction of a specific microphone signal at the correct volume and tone colors. Comparable to an invisible sound engineer, they are able to function in totally different types of room from small, multi-functional spaces to big conference halls. In churches and schools, where there is often no sound engineer, automatic mixers also assist in helping to avoid feedback.

At large scale theater performances, automatic mixers provide a “helping hand” to professional sound mixers. For TV or radio broadcasts they can operate as a sub-mixer during interviews and round table discussions. A technician can then concentrate on the overall acoustic pattern while the automatic mixer carries out subordinate tasks. To ensure a wide range of possible applications, AKG automatic mixers are extremely user-friendly and possess one of the most reliable mixing algorithms on the market



DMM12 BC

REFERENCE DIGITAL AUTOMATIC MICROPHONE MIXER

IN – MIX – OUT

for large meetings and conferences

The DMM12 BC reference digital automatic microphone mixer is ideal for large meetings and conferences. Engineered for spoken word applications, its DSP function ensures precise mixing of up to 120 channels by cascading up to 10 DMM12 BCs. Two additional stereo audio outputs and one Stereo AES EBU audio output offer additional routing options. Offering a high signal-to-noise ratio, the DMM12 BC also keeps noise from multiple open microphones to a minimum. Numerous DSP functions like filters, compressor/limiter, ducking and routing make the DMM6 a great fit in a variety of spoken word applications.

- **Highly sophisticated 12 channel mixing algorithm**
for precise mixing that never makes you miss a word again
- **Up to 10 units cascadable**
for simultaneous use of up to 120 channels
- **Two additional stereo audio and one Stereo AES EBU output**
for comprehensive audio routing options
- **Digital audio signal processing**
eliminates distortion and significantly reduces noise levels
- **Audio matrix routing of all channels**
for creating multiple mixes of multiple output combinations

Item Number: 6500H00070



DMM12

PROFESSIONAL DIGITAL AUTOMATIC
MICROPHONE MIXER

GO FOR THE BIG PICTURE

for large-scale meetings and conferences

The DMM12 professional digital automatic microphone mixer is ideal for large meetings and conferences. Engineered for spoken word applications, its DSP functions ensure precise mixing of up to 120 channels by cascading up to 10 DMM12s. Offering a high signal-to-noise ratio, the DMM12 reduces noise from multiple open microphones to a minimum. Numerous DSP functions like filters, compressor/limiter, ducking and routing make the DMM12 a great fit for a variety of spoken word applications.

- **Highly sophisticated 12 channel mixing algorithm**
for precise mixing that never makes you miss a word again
- **Up to 10 units cascable**
for simultaneous use of up to 120 channels
- **Digital audio signal processing**
eliminates distortion and significantly reduces noise levels
- **Intuitive User Interface**
for fast and easy setup
- **Audio matrix routing of all channels**
for creating multiple mixes of multiple output combinations

Item Number: 6500H00020



DMM6

HIGH PERFORMANCE DIGITAL AUTOMATIC
MICROPHONE MIXER

MEET ME

for mixing spoken words automatically

The DMM6 high-performance digital automatic microphone mixer offers automatic mixing of 6 microphones or line level signals. Engineered for spoken word applications, its DSP functions ensure precise mixing of up to 60 channels by cascading up to 10 DMM6s. The DMM6 offers a high signal-to-noise ratio and at the same time reduces noise from multiple open microphones to a minimum. Numerous DSP functions like filters, compressor/limiter and routing make the DMM6 a good fit in a variety of spoken word applications.

- **Highly sophisticated 6 channel mixing algorithm**
for precise mixing that never makes you miss a word again
- **Up to 10 units cascable**
for simultaneous use of up to 60 channels
- **Digital audio signal processing**
eliminates distortion and significantly reduces noise levels
- **Intuitive User Interface**
for fast and easy setup
- **Audio matrix routing of all channels**
for creating multiple mixes of multiple output combinations

Item Number: 6500H00010

CS5

REFERENCE DIGITAL CONFERENCE SYSTEM

AN ASSET TO ANY CONFERENCE HALL

for fixed and mobile conference applications

The CS5 is a highly flexible, hardwired, digital conference system for fixed and mobile conference applications. With less than 10 different components, the CS5 can be configured to work as a small and mobile discussion system, or as a large permanently installed conference system where voting, delegate management, simultaneous translation and language distribution functions are needed.

The CS5 is compatible with GN30 (50) CS of the DAM Modular microphone series. As PC operation software for CS5 the CC V2 (ConferControl) is available as free download.

- **Fully expandable digital conferencing system**
for large systems with up to 5000 stations and 63 possible languages
- **Closed loop Ethernet cabling**
that saves installation time and keeps costs low
- **Stand alone or computer controlled operation**
ensures easy and user-friendly handling
- **Closed-circuit bus and distributed power supplies**
for saving cable, installation time and design expense
- **Interchangeable microphones**
for maximum flexibility in any type of conference situation



CS5 BU

REFERENCE DIGITAL CONFERENCE BASE UNIT

CENTRAL INTELLIGENCE

for conference of any size

The CS5 BU is the base unit for the CS5 reference digital conference system and integrates the central intelligence for discussion, voting, interpretation and language distribution functions in a sensationally compact 1HU, 19" housing. The CS5 BU provides all the necessary inputs and outputs to manage a complex conference system. It controls up to 64 audio channels that can be assigned for discussion or for interpretation purposes. All microphone and interpreter stations are daisy-chained, using cost-efficient and standard CAT 5 cables.

-
- **All-in-one digital controller**
for systems of any size and complexity
 - **Integrated infrared signal modulator**
for wireless language distribution
 - **Failsafe power supply concept**
by using decentralized and redundant components
 - **Stand-alone or computer-controlled operation**
ensures easy, flexible and user-friendly handling
 - **5 external inputs and 4 outputs**
open for a wide range of external system extensions

Item Number: 7650X01000



CS5 DU

REFERENCE CONFERENCING DELEGATE UNIT

LONE SPOKESMAN

for fixed and mobile conference applications

The CS5 DU reference digital microphone station is the basic delegate unit for the CS5 conference systems. It provides both an integrated loudspeaker and two headphone outputs and can be used for up to two delegates. A bank of dip switches allows each headphone output to be assigned independently to either the floor channel or one of three interpreted language channels. The PTT key also provides a simple aye/no voting function. The CS5 DU is compatible with all premium acoustics of the AKG modular microphone series.

- **Delegate station with PTT button**
intuitive and easy to use
- **Aye/no poll function**
for basic voting applications
- **3+1 selectable languages**
for basic multilingual applications
- **Standard RG45 connectors**
for quick mounting and takedown
- **Interchangeable microphone capsules**
to meet the acoustical requirements of any type of conference room

Item Number: 2770Z00210



CS5 VU

REFERENCE CONFERENCING VOTING UNIT

GROUP LEADER

for conference and voting applications

The CS5 VU reference digital microphone station is the voting, delegate and chairman unit for the CS5 conference systems. In president mode, it provides a priority function and allows the user to start votes or polls. The CS5 VU includes an integrated loudspeaker, two headphone outputs, five soft buttons, an LC display and a chip-card reader, for up to two delegates. The CS5 VU can be set to different priority modes and 1- 3- or 5-way voting/polling functions. In computer-controlled conference systems, an optional chip-card identification is available.

- **Delegate/president station with LCD display**
provides two operating modes
- **5 voting buttons**
for voting/polling and multiple-choice applications
- **63 selectable languages**
independently selectable for two users
- **Large LED ring indicator on optional gooseneck**
provides enhanced visible MIC ON/OFF indication
- **Interchangeable microphone capsules**
to meet the acoustical requirements of any type of conference room

Item Number: 2770X00220



CS5 IU

REFERENCE CONFERENCING INTERPRETER UNIT

UNIVERSAL TRANSLATOR

for fixed and mobile applications

The CS5 IU reference digital interpreter station has been designed in accordance with the relevant international standards. The CS5 IU features an intuitive input selection, floor and relay language selectors, and cough button. The CS5 IU provides microphone input for gooseneck microphones and a separate input/output for headsets. AKG offers a wide choice of professional headsets such as the HSC271 and many more. The CS5 IU is also compatible with all premium acoustics of the AKG modular microphone series.

- **Interpreter station with LCD display**
Intuitive, easy-to-use controls
- **Meets international interpretation equipment standards**
for safe and easy operation
- **63 selectable languages**
for multilingual applications
- **Inputs for headsets and gooseneck mics**
for fatigue-proof working conditions for interpreters
- **Large LED ring indicator on optional gooseneck**
provides enhanced visible MIC ON/OFF indication

Item Number: 7650X00200



CS5

FLEXIBILITY, RELIABILITY, SECURITY

A conference system, and particularly its powering equipment, should be quick and easy to install. The CS5 therefore uses a CAT5 closed-circuit bus and distributed power supplies, saving cables, time, and design expense. The CS5 uses CAT5/RJ45 cables only, so if you need to improvise, you can easily get the cables you need.

■ CAT 5 bus
■ Power wiring



CS5 IU

INTELLIGIBILITY – IN ANY LANGUAGE

Depending on the number of working languages for your conference, you will need one or more interpretation booths with two CS5 IU interpreter stations each. The CS5 IU meets AICC standards and provides all the functions your interpreters need in order to do a perfect job. As an additional benefit, the wiring system allows you to connect the IUs to the CAT5 bus at any point in the line, e.g., the point closest to the interpretation booth(s), to keep cables short.

■ CAT 5 bus
■ Power wiring
■ USB wiring

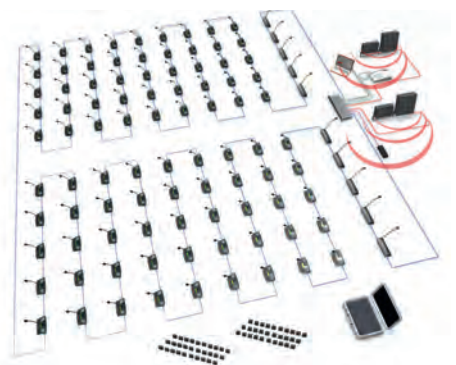


CS5 IRT

LARGE CONFERENCE, MANY OBSERVERS

Observers too may need interpretation. The CS5 IRT 1 or IRT 2 infrared radiators transmit up to seven language channels to any number of CS5 IRR7 infrared receivers. The IRR7 operates for up to twelve hours on a single battery charge and is small enough to fit into every vest pocket.

■ CAT 5 bus
■ Power wiring
■ USB wiring
■ XLR wiring

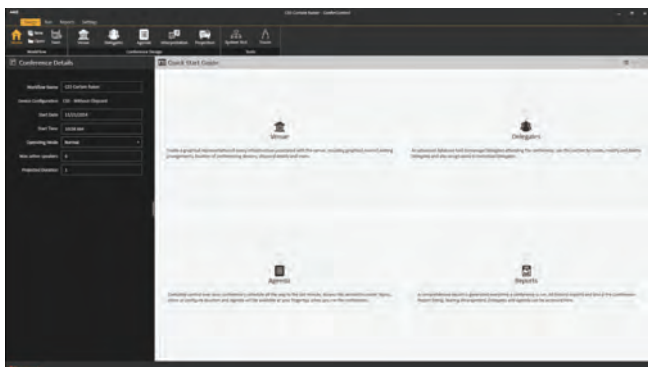


CS5 SYSTEMS

FROM ZERO TO 500 IN 100 MINUTES

There is always room for expansion. Whenever the need arises, you can add all AKG CS5 components even to the largest existing system. The closed-loop bus saves lots of cabling over more conventional star wiring systems, and the time saved in the process will appreciably relieve your budget. The theoretical limit is 5,000 microphone stations.

■ CAT 5 bus
■ Power wiring
■ USB wiring
■ XLR wiring
■ Coaxial wiring



CC V3

CS5 & CS3 CONFERCONTROL SOFTWARE



CS5 MF Frame

TAKE CONTROL

conferencing, tour guide, assistive listening

ConferControl v3.0 software application is a PC based application that can be used to control either, the CS5 and CS3 conferencing system. This software brings a state of the art user interface, intuitive workflow management, simplified venue creation, sophisticated dashboards, advanced projection options, reporting and much more.

The CS5 MF Installation Frame is an optional, dedicated frame for permanently installing a CS5 DU or CS5 VU station in a conference table. Ensures secure, low-profile flush mounting and theft protection.

- **Venue design, delegate design, agenda & vote design etc.**
to design your conference in advance
- **go online wizard, delegate dashboard, graphical view, projection control and more**
to run conference successfully
- **Pre and post conference reports**
for comprehensive reporting

Item Number: 2770Z00100



K15

HIGH-PERFORMANCE CONFERENCE HEADPHONES

HIGH LEVEL CONFERENCE

for schools, conference, tour guides and assistive listening

K15 high-performance on-ear headphones evolved over decades of experience in the field of conferencing and set new standards. Sophisticated design is paired with high quality audio and advanced security technology. Optimal adjustment to any head size and light weight design allow hours of use, while forgetting the presence of these headphones. After the conference wiping with a simple hygienic tissue will prepare the unit for the next user, without the need to exchange expensive foam cushions.

- **Wide frequency range**
for modern multimedia conferences
- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Rugged construction**
for an extra-long life of reliability and stability
- **Low impedance technology**
for lots of SPL to override room noise when needed
- **Cleanable high gloss polished plastic ear cups**
comply with all hygienic standards
- **The headband is made of a soft TPE material**
to guarantee comfortably wearing properties

Item Number: 3446H00010



HSC15

HIGH-PERFORMANCE CONFERENCE HEADSET

HIGH LEVEL CONFERENCE SPEECH

for conferencing, VOIP, assistive listening and schools

The HSC15 high level conference headset is AKG's latest headset in the field of conferencing. Sophisticated design pairs with high quality audio and advanced technology.

- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Low impedance technology**
for lots of SPL to override room noise when needed
- **Cleanable high gloss polished plastic ear cups**
comply with all hygienic standards
- **The headband is made of a soft TPE material**
to guarantee comfortably wearing properties
- **Slim line gooseneck**
for optimal positioning of the microphone
- **Omni directional condenser element**
reproduces linear sound quality for optimal intelligibility

Item Number: 3446H00010

CSX IRS10

INFRARED LANGUAGE DISTRIBUTION SYSTEM

10 CHANNELS DIGITAL INFRARED TRANSMISSION

conferencing, tour guide, assistive listening

The CSX IRS10 is an infrared language distribution system. The next generation of AKG Infrared System is based on a 10 channel PPM (Pulse Phase Modulation) technology, ensuring absolute security! All transmitted signals stay in the room. The system is easily expandable to literally any room size. PPM also always uses the whole LED panel, regardless of whether one is using 1 or 10 channels, which leads to the same radiation power even if one is changing the number of needed channels.

The heart of the system is the CSX BIR10. It takes either the channels of AKG CS5 system or any other 10 channels fed to it and modulates them on the infrared carrier. 2 new radiators transmit the IR light into the room. The two radiators (CSX IRT3 and CSX IRT4) differ in terms of radiation angle. AKG now offers a kind of flood light for lower ceilings and a kind of spot light to cast the IR signal to a larger distance. That is the ideal solution for any kind of room situation.

- **Digital Transmission with PPM technology**
effective audio and radiation quality control - easy to install
- **For CS5 or as standalone system**
works with all kind of analogue inputs
- **Breakout box for CS5**
feeds signal out of the digital conference ring to external devices
- **Unlimited expansion of radiators**
for any room size
- **Low energy technology for receivers**
up to 20 hours operational time with only 2x AA standard rechargeable batteries



CSX BIR10

INFRARED SIGNAL DISTRIBUTION AND CS5 BREAKOUT BOX

CLEAR CONFERENCING

for conference systems and assistive listening

The CSX BIR10 is an infrared central control unit that provides the utmost security for wireless translation systems. Designed to be used alone to feed external devices (e.g. a wireless system) or with the CS5 Reference Digital Conference System, the CSX BIR10 offers up to 10 channels using PPM (Pulse Phase Modulation) technology to ensure absolute security. It is easily expandable to handle virtually any size room. Two versions of IR radiators provide a different angle to cover any room situation.

-
- **Digital transmission with PPM technology**
effective audio and radiation quality control & easy to install
 - **For CS5 or standalone system**
works with all kinds of analogue inputs
 - **Unlimited expansion of radiators**
for any room size

Item Number: 6500H00160



CSX IRR10

REFERENCE CONFERENCING INFRARED
RECEIVER - 10 CHANNEL

INTUITIVE POCKET RECEIVER

for installed and mobile multilingual conference setups, tour guides and assistive listening

The CSX IRR10 is a reference conferencing infrared receiver that supports up to ten language channels. A large OLED display clearly shows all required information for output volume, channel number and battery status. With 2 jog dial selectors (1) one can select the requested channel and adjust the output level to the headphones. A standard 3,5mm stereo jack plug (2) enables the use of any kind of headphones.

- **Digital Transmission using PPM modulation**
prevents fluorescent-light interference for effective audio and radiation quality control
- **For CS5 or as standalone system**
works with all types of analogue inputs
- **Receives up to ten different languages**
For multilingual conference applications
- **Up to 20 hours operation with only 2x AA standard rechargeable batteries**
Low operation cost and energy technology

Included accessories: 2 x NiMH Rechargeable Batteries

Item Number: 6500H00150



CSX CU50

STORAGE AND CHARGING CASE

SOLID METAL TO PROTECT YOUR VALUE

conferencing, tour guide, assistive listening

The CSX CU50 flight-case charger can store and charge up to 50 CSx IRR10 infrared receivers. Connected to AC power (100-240 volts) intelligent charging cycles will keep the rechargeable NiMH batteries in optimum status. Sliding in the receivers into their slots will start charging automatically. The receivers – under charging process – show the “EEG” sign on the OLED display and at the end of the process the fully charged units show the OK sign.

- **Heavy duty aluminum case**
effective protection of up to 50 receivers
- **Intelligent charging**
optimum status of batteries
- **Maintenance function**
keeps the receivers ready to perform

Item Number: 6500H00170



CSX IRT3

10 CHANNEL INFRARED TRANSMITTER +/-17°

DISTANCE TRANSMISSION

for installed and mobile multilingual conference setups, tour guides and assistive listening

The CSX IRT3 and CSX IRT4 are 10 channel infrared transmitter. Using digital PPM signal always all LED's cover the same area and distance, regardless the number of channels needed in an application ensuring perfect coverage even with changing channel needs. The transmitters are designed in a way that no cooling fans are needed – they act absolute quiet. Clearly visible LED's indicate the status from the distance, providing highest security for the technician on site.



CSX IRT4

10 CHANNEL INFRARED TRANSMITTER +/-60°

NEAR FIELD TRANSMISSION

for installed and mobile multilingual conference setups, tour guides and assistive listening

The CSX IRT3 and CSX IRT4 are 10 channel infrared transmitter. Using digital PPM signal always all LED's cover the same area and distance, regardless the number of channels needed in an application ensuring perfect coverage even with changing channel needs. The transmitters are designed in a way that no cooling fans are needed – they act absolute quiet. The CSX IRT4 is designed for near field use, e.g. in ceilings above the area to be covered. The radiation angle is +/-60° and the working distance up to 35m.

- **Digital Transmission with PPM technology**
effective audio and radiation quality control – easy to install
- **For CS5 or as standalone system**
works with all kind of analogue inputs
- **Elegant Design with Status LED**
showing clearly the status
- **Included signal refresher**
cascadable to cover large areas
- **Mounting bar**
for wall or ceiling mount
- **2 different light characteristics – flood and spot light**

Item Number: 6500H00210

- **Digital Transmission with PPM technology**
effective audio and radiation quality control – easy to install
- **For CS5 or as standalone system**
works with all kind of analogue inputs
- **Elegant Design with Status LED**
showing clearly the status
- **Included signal refresher**
cascadable to cover large areas
- **Mounting bar**
for wall or ceiling mount
- **2 different light characteristics – flood and spot light**

Item Number: 6500H00220

K15

HIGH-PERFORMANCE CONFERENCE HEADPHONES



HIGH LEVEL CONFERENCE

for schools, conference, tour guides and assistive listening

K15 high-performance on-ear headphones evolved over decades of experience in the field of conferencing and set new standards. Sophisticated design is paired with high quality audio and advanced security technology. Optimal adjustment to any head size and light weight design allow hours of use, while forgetting the presence of these headphones. After the conference wiping with a simple hygienic tissue will prepare the unit for the next user, without the need to exchange expensive foam cushions. The steel bow is made of stainless spring steel to keep it's shape for the entire lifetime and at the same time making the headphones flexible enough to achieve different wearing positions.

- **Wide frequency range**
for modern multimedia conferences
- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Rugged construction**
for an extra-long life of reliability and stability
- **Low impedance technology**
for lots of SPL to override room noise when needed
- **Cleanable high gloss polished plastic ear cups**
comply with all hygienic standards
- **The headband is made of a soft TPE material**
to guarantee comfortably wearing properties

Item Number: 3446H00010

CS3

PLUG 'N' PLAY CONFERENCE SYSTEM

KEEPS IT SIMPLE

for mobile and fix installed conferences

The CS3 System is a modular and flexible conference system for small and medium size applications. Its reliable components can be easily set up, wired and expanded. One CS3 base unit can support 60 microphones. The base unit connects to all relevant devices like PA, recording, external audio sources and camera control systems. Different operating modes enable automatic or controlled conferences, even without PC remote.

The CS3 microphone station comes with a robust interface connector, which makes it easy to interchange the stations microphone. The detachable microphone comes in two choices - the CS321 cardioid condenser capsule on a 30cm (12in) long gooseneck and the 50cm (20in) long CS521.

The CS3 combines easiness in setup and use with professional AKG audio quality. The rugged and elegant design fits in any venue.

- **All in one conference controller**
for discussion systems of up to 60 stations
- **Stand alone or computer controlled operation**
ensures easy and user-friendly handling
- **Four selectable operating modes**
for flexible conference management
- **Interchangeable microphones**
maximum flexibility for any type of conference situation
- **Plug 'n' Play**
set includes all components for a quick set-up



CS3 BU

CONFERENCE BASE UNIT

POWER IN A BOX

for mobile and fix installed conferences

The CS3 BU is the base unit for the CS3 conference system and provides all the necessary inputs and outputs to manage a conference for up to 60 microphone stations. It is the interface to all audio devices in a meeting room and offers a RS232 interface to connect an optional camera control system. The CS3 BU can even work in a stand-alone mode in four selectable operating modes offering maximum flexibility in conference management. With the NOM limitation function, the maximum number of active stations can be programmed to 1, 2, 4 or 6 simultaneous open microphones.

-
- **All in one conference controller**
for discussion systems of up to 60 stations per base unit
 - **Four selectable operating modes**
for flexible conference management
 - **Connects to all relevant devices**
e.g. PA, recording, ext. audio and camera control systems
 - **Compact 19" housing**
for easy rack mounting

Item Number: 3361H00250



CS3 CU

CHAIRMAN MICROPHONE STATION

GET IN CONTROL

for fixed and mobile conference applications

The CS3 CU chairman unit is a microphone station with two operating modes. In "priority call" mode, the user can manually mute all connected delegate stations. In "next in line" mode the CS3 CU automatically activates the next delegate station in the waiting list. The station provides a built in speaker and 2 x 3.5 mm stereo jacks to connect headphones for up to two delegates. The CS3 CU comes with a robust interface connector, which makes it easy to interchange the station's microphone.

- **Chairman functions with "Priority" and "Next in line" buttons**
give full control over the entire conference/system
- **Interchangeable microphones**
maximum flexibility for any type of conference situation
- **Built in speaker**
for near field reinforcement
- **Two separate 3.5 mm stereo jacks**
to connect headphones for up to two delegates
- **Plug 'n' Play set**
includes all components for a quick set-up

Item Number:

CS3 CU 30: 3361H00220

CS3 CU 50: 3361H00240



CS3 DU

DELEGATE MICROPHONE STATION

JUST TALK

for fix installed and mobile conference applications

The CS3 DU microphone station is the basic delegate unit for the CS5 conference systems. It provides both an integrated loudspeaker as well as two 3.5 mm stereo headphone outputs and could be used for up to 2 delegates. Depending on the selected operating mode, the PTT key enables the speaker to directly switch on their microphone or to enter the system waiting list. The detachable microphone comes in two choices - the CS321 cardioid condenser capsule on a 30 cm long gooseneck and the 50 cm long CS521.

- **Delegate station with PTT button intuitive and easy to use**
for maximum flexibility for any type of conference situation
- **Interchangeable microphones**
for near field reinforcement
- **Built in speaker**
for up to two delegates
- **Two separate 3.5 mm stereo jacks to connect headphones**
for a quick set-up
- **Plug 'n' Play set includes all components**

Item Number:

CS3 DU 30: 3361H00210

CS3 DU 50: 3361H00230



CS321

HIGH-PERFORMANCE
CONDENSER GOOSENECK
MICROPHONE

KEEP IT SIMPLE

for mobile and fix installed conferences

The CS321 high-performance condenser gooseneck microphone is specially designed for the CS3 conference system. It's cardioid polar pattern is the perfect choice for inexperienced speakers who talk into the microphone from widely varying angles. The rugged 30cm (12in) long gooseneck microphone features the high-quality DAM+ (Discreet Acoustics Modular Plus) Series system connector. The CS321 provides a LED light ring to show the microphone stations status. The LED ring is extra-large for enhanced visibility.



CS521

HIGH-PERFORMANCE
CONDENSER GOOSENECK
MICROPHONE

KEEP IT SIMPLE

for mobile and fix installed conferences

The CS521 high-performance condenser gooseneck microphone is specially designed for the CS3 conference system. It's cardioid polar pattern is the perfect choice for inexperienced speakers who talk into the microphone from widely varying angles. The 50cm (20in) long gooseneck microphone features the high-quality DAM+ (Discreet Acoustics Modular Plus) Series system connector. The CS521 provides a LED light ring to show the microphone stations status. The LED ring is extra-large for enhanced visibility.



CS3 TC

CONNECTOR

The CS3 TC is used to split one branch line into two. It comes with professional 8-pin DIN connectors. The CS3 TC can be used exclusively in combination with CS3 components.

- **30cm (12in) slim line gooseneck microphone**
for big tables and standing applications
- **Cardioid polar pattern**
for inexperienced speakers talking from varying angles
- **Gold plated DAM+ connector**
for long lasting secure contact

Item Number: 3361H00040

- **50cm (20in) slim line gooseneck microphone**
for big tables and standing applications
- **Cardioid polar pattern**
for inexperienced speakers talking from varying angles
- **Gold plated DAM+ connector**
for long lasting secure contact

Item Number: 3361H00050

Item Number: 3361H00160



CC V3

CS5 & CS3 CONFERCONTROL SOFTWARE

TAKE CONTROL

conferencing, tour guide, assistive listening

ConferControl v3.0 software application is a PC based application that can be used to control either, the CS5 and CS3 conferencing system. This software brings a state of the art user interface, intuitive workflow management, simplified venue creation, sophisticated dashboards, advanced projection options, reporting and much more.



K15

HIGH-PERFORMANCE
CONFERENCE HEADPHONES

HIGH LEVEL CONFERENCE

for schools, conference, tour guides and assistive listening

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HSC15

HIGH-PERFORMANCE
CONFERENCE HEADSET

HIGH LEVEL CONFERENCE SPEECH

for conferencing, VOIP, assistive listening and schools

The HSC15 high level conference headset is AKG's latest headset in the field of conferencing. Sophisticated design pairs with high quality audio and advanced technology.

- **Venue design, delegate design, agenda & vote design etc.**
to design your conference in advance
- **go online wizard, delegate dashboard, graphical view, projection control and more**
to run conference successfully
- **Pre and post conference reports**
for comprehensive reporting

- **Wide frequency range**
for modern multimedia conferences
- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Rugged construction**
for an extra-long life of reliability and stability

Item Number: 3446H00010

- **On-ear, ultra lightweight design and wide adjustment range**
for maximum wearing comfort
- **Low impedance technology**
for lots of SPL to override room noise when needed
- **Cleanable high gloss polished plastic ear cups**
comply with all hygienic standards

Item Number: 3446H00010



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Specifications subject to change without notice.



CONTROL & VIDEO





MODERO

X-SERIES TOUCH PANELS



MXT/MXD-2001-PAN

20.3" MODERO X SERIES G5 PANORAMIC
TABLETOP/WALL MOUNT TOUCH PANELS

This premier X Series line of touch panels is ideal for boardrooms, conference rooms or auditoriums where a panoramic control surface is needed to provide access to multiple functions simultaneously while remaining elegantly unobtrusive. The distinctive, low-profile exterior design and quad-core processor interior horsepower deliver impressive results in the most demanding applications today and in the future.



MXT/MXD-1901-PAN

19.4" MODERO X SERIES G5 PANORAMIC
TABLETOP/WALL MOUNT TOUCH PANELS

This X Series touch panel line offers identical functionality as the 2001 but is 2 1/4" shorter for applications when additional control surface area is not necessary. It is also best suited in boardrooms, conference rooms or auditoriums where a panoramic control surface is needed to provide access to multiple functions simultaneously while remaining elegantly unobtrusive.

MXA-MPL/MP

MULTI PREVIEW & MULTI PREVIEW LIVE
TOUCH PANEL ACCESSORY



This product when connected to any Modero X- or S-Series touch panel adds the ability to preview a snapshot of the content from up to 10 source devices simultaneously or preview the live HD digital video stream from a single source.



MODERO

X-SERIES TOUCH PANELS

MODERO X-SERIES TOUCH PANELS



MXT/MXD-1001

10.1" MODERO X SERIES G5
TABLETOP/WALL MOUNT TOUCH PANELS

The 10" is the most common touch panel line for a wide variety of applications when accessibility and usability are paramount, offering edge-to-edge capacitive touch glass with multi-touch capabilities. Ideal in typical business applications and also in higher education settings like lecture halls, auditoriums and performing arts theaters requiring control capabilities.



MXT/MXD-701

7" MODERO X SERIES G5
TABLETOP/WALL MOUNT TOUCH PANELS

This touch panel line is perfect in smaller spaces when less control/ functionality is required. Perfect in residential applications like kitchens, bedrooms or home offices as well as smaller/secondary business spaces.



MXD-430

4.3" MODERO X SERIES
WALL/FLUSH MOUNT TOUCH PANEL

This wall mounted panel fills out the Modero X Series line with a simple, little user interface that offers the convenience of a touch panel but in a compact size for the smallest application need. Note, this touch panel is only available in a wall mount version.



MODERO

S-SERIES TOUCH PANELS



MST/MSD-1001

10.1" MODERO S SERIES
TABLETOP/WALL MOUNT TOUCH PANELS

The Modero S Series is an affordable line of touch panels ideal for small to mid-size conference rooms, as well as smaller rooms or huddle spaces that require a more flexible and powerful control interface. The line has a sleek design in a ruggedized polycarbonate housing and includes brilliant 24-color depth, PoE connectivity, video streaming, and VoIP support – all at an economical price point.



MST/MSD-701

7" MODERO S SERIES TABLETOP/WALL
MOUNT TOUCH PANELS

This touch panel is also ideal for smaller rooms or huddle spaces that have minimal control needs on a tight budget. The line has a sleek design in a ruggedized polycarbonate housing and includes brilliant 24-color depth, PoE connectivity, video streaming, and VoIP support – all at an economical price point.



MST/MSD-431

4.3" MODERO S SERIES TABLETOP/
WALL MOUNT TOUCH PANELS

The 4.3" touch panel is the perfect upgrade to a keypad in smaller rooms or huddle spaces that have minimal control needs on a tight budget.

MODERO

TOUCH PANELS & ACCESSORY



MVP-9000i

9" MODERO VIEWPOINT
TOUCH PANEL WITH INTERCOM

The MVP redefines touch panel control offering both wireless and wired functionality, a stunning 9" widescreen 24-bit color display, full digital duplex telephone or intercom interface and built-in 802.11a/b/g Wi-Fi card with antenna diversity. Ideal for a wide variety of residential and commercial control and automation applications where flexibility of docked or mobile 802.11a/b/g functionality and extended battery life is desired.



NXV-300

MODERO VIRTUAL TOUCH PANEL

This product allows you to access your control system via any PC or Mac via Virtual Network Connection (VNC). Simply navigate to the device using a browser (Internet Explorer, Firefox and Safari for PCs and Firefox and Safari for Macs) and login with a username/password. It's an ideal solution when you need the intelligence and ease of use that only a touch panel can offer but from remote locations - the back of the room, across the campus or anywhere over the Internet.



MXA-HST

BLUETOOTH HANDSET FOR
MODERO X AND MODERO S SERIES TOUCH PANELS

This Bluetooth handset works with the wireless audio capability found in both the Modero X and Modero S Series Touch Panel lines. It is ideal for conference rooms or boardrooms where meeting participants might require the use of a VoIP handset for making private calls.

MODERO ACCESSORIES



MODERO TOUCH PANELS

COMPARISON CHART

| | | Software | | Hardware | | | | | Mounting Options | | | | Communication Capabilities | | | | | | NOCOMM AVAILABLE¹ | Sensors & Control Capabilities | | |
|------------------|----------------------|--------------------------|----------------------------------|--------------|------------------|--------------------------|------------------------------|-------|------------------|--------------|---------------------|------------------------------------------|------------------------------------------|---------------------------------------|------------------------------------|--------------------------|-----------------------------------------|------------------------|-------------------|----------------------------------------|--|--|
| Model | Graphics Engine (OS) | Support for Android Apps | Processor (Single- or Quad-core) | Memory (RAM) | Casing Materials | Display Type | Side-Mounted Scheduling LEDs | Flush | Rack | Secure table | Glass/Multi-Surface | Multi Preview/Multi Preview Live Support | Streaming Video (M-JPEG, MPEG-2, MPEG-4) | 720p HD Camera for video conferencing | Intercom/VoIP Telephone capability | USB for mice / keyboards | Light / Motion Sensors for Smart Waking | NFC for Authentication | | Bluetooth for audio and mice/keyboards | | |
| MODERO X with G5 | MXT-2001-PAN | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | | • | • | • | | |
| | MXD-2001-PAN-L | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | • | • | • | | • | • | • | | |
| | MXD-2001-PAN-P | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | | • | • | • | | |
| | MXT-1901-PAN | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | | • | • | • | | |
| | MXD-1901-PAN-L | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | • | • | • | | • | • | • | | |
| | MXD-1901-PAN-P | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | | • | • | • | | |
| | MXT-1001 | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | | • | • | • | | |
| | MXD-1001-L | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | • | • | • | | • | • | • | | |
| | MXD-1001-P | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | | • | • | • | | |
| | MXT-701 | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | | • | • | | • | • | • | | |
| | MXD-701-L | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | | • | • | | • | • | • | | |
| | MXD-701-P | G5 | • | Quad | 2GB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | | • | • | • | | |
| MODERO S | MST-1001 | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch™ resistive | | | • | | • | • | | • | • | | | | • | | |
| | MSD-1001-L | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch resistive | • | • | | • | • | • | | • | • | | | | • | | |
| | MST-701 | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch resistive | | | • | | • | • | | • | • | | | | • | | |
| | MSD-701-L | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch resistive | • | • | | • | • | • | | • | • | | | | • | | |
| | MST-431 | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch resistive | | | • | | | M-JPEG Only | | • | • | | | | • | | |
| | MSD-431-L | G4 | | Single | 512MB | Ruggedized Polycarbonate | SmoothTouch resistive | • | | | • | | M-JPEG Only | | • | | | | | | | |
| MODERO X with G4 | MXT-2000XL-PAN | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | • | • | • | • | | |
| | MXD-2000XL-PAN-L | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | • | • | • | • | • | • | • | | |
| | MXD-2000XL-PAN-P | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | • | • | • | • | | |
| | MXT-1900L-PAN | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | • | • | • | • | | |
| | MXD-1900L-PAN-L | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | • | • | • | • | • | • | • | | |
| | MXD-1900L-PAN-P | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | • | • | • | • | | |
| | MXT-1000 | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | • | • | • | • | • | • | • | | |
| | MXD-1000-L | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | | • | • | • | • | • | • | | |
| | MXD-1000-P | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | | | | • | • | | • | • | • | • | • | • | | |
| | MXT-700 | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | | | • | | • | • | | • | • | • | • | • | • | | |
| | MXD-700-L | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | | • | • | • | • | • | • | | |
| | MXD-700-P | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | | • | • | • | • | • | • | | |
| | MXD-430 | G4 | | Single | 512MB | Aluminum Unibody | Multitouch Capacitive w/ IPS | • | • | | | • | • | | • | • | • | • | • | • | | |

¹NoComm panels are designed specifically for dedicated room control in restricted environments, and exclude the camera, Near Field Communication™ (NFC), microphone and Bluetooth.

•Currently supports Bluetooth for mice / keyboards.
Bluetooth for audio TBA via future firmware update.

For more information, visit www.amx.com/productinfo



MASSIO CONTROLPADS

CONTROL & KEYPAD IN ONE



MCP-106

6-BUTTON MASSIO CONTROLPAD
(US, UK, EU)

The Massio ControlPad line combines the controller technology in our flagship NX-series and a stylish 6-button keypad into a single unit that can be mounted in a standard 1 gang US, UK or EU back box providing the latest networking and security features, along with outstanding processing power. This device delivers high performance, intuitive usability and modern styling.



MCP-108

8-BUTTON MASSIO CONTROLPAD
WITH KNOB (US, UK, EU)

The 8-button Massio ControlPad fits into a standard 2 gang US, UK or EU back box providing dedicated room control. Massio ControlPads are a perfect solution for huddle spaces and small conference rooms, when a controller and user interface combined with a simple configuration tool like Rapid Project Maker (RPM) to offer an inexpensive way to add AV control to small spaces.

MASSIO CONTROLPADS



LIGHTING WITH LUTRON®

CLEAR CONNECT™ LIGHTING & OCCUPANCY SENSOR



NXB-CCG NETLINX CLEAR CONNECT GATEWAY

The gateway connects any AMX NetLinx Integrated Controller with Lutron's Clear Connect Dimmers, Switches, Occupancy/Vacancy Sensors and Keypads. Lutron's patented RF Technology uses a quiet band, essentially free of interference ensuring reliable communication between system devices. Combined with AMX, you have a simple and cost-effective path to add lighting and occupancy sensor control to any solution. It includes a web interface for simplified integration, configuration, and programming of Clear Connect devices.

CCD-6CL CLEAR CONNECT CFL, LED, 600W INCANDESCENT/MLV DIMMER

The Lutron Clear Connect CCD-6CL Dimmer is capable of controlling up to 150 Watt Dimmable CFL / LEDs or 600 Watt Incandescent / Halogen or Mixed bulb types. (Only available in the U.S. and Canada)

CCD-8S-DV CLEAR CONNECT 120/277V SWITCH

The Lutron Clear Connect 120/277V Switch has an 8A maximum rating with 50 Watt Minimum load. (Only available in the U.S. and Canada)

CCD-W6BRL CLEAR CONNECT WALL KEYPAD - 6-BUTTON WITH RAISE/LOWER

The Lutron Clear Connect CCD-W6BRL is a wireless Keypad that can be configured to control lights, shades and AV equipment. The single-gang 6-button Wall Keypad with raise and lower buttons is available in white and features backlit buttons and personalized engraving. (Only available in the U.S. and Canada)

CCD-OCRB-P CLEAR CONNECT RADIO POWR SAVR CEILING MOUNT OCCUPANCY/VACANCY SENSOR

The Lutron Clear Connect CCD-OCRB-P wireless occupancy/vacancy sensor automatically turns lights on when a person enters a room and turns lights off when the room is empty. As a battery powered (5-10 year battery life) and wireless device, the occupancy/vacancy sensor can be added to a Clear Connect System and be installed in any room without the need for wiring. (Only available in the U.S. and Canada)



ENZO

MEETING ROOM COLLABORATION & CONTENT SHARING

Enzo is a flexible meeting presentation system for collaboration spaces. This flexible platform is perfect for meeting rooms and provides Instant On, Instant Access to Content and Instant Content Sharing (screen mirroring). Enzo is designed as a flexible platform that can adapt to the changing ways users collaborate.



NMX-MM-1000

ENZO

Ideal for use in a huddle room to provide cost-effective presentation, collaboration and conferencing capabilities for these smaller spaces. Use in conference rooms for guest presenters to share documents, photos and access internet content stored on their device or in the cloud. Share content in classrooms from a laptop or mobile device among students and teachers.



NMX-VCC-1000

SERENO VIDEO CONFERENCING CAMERA

This video conferencing camera combines an ultra-wide 120 degree field of view to allow all meeting participants to be seen and a mechanical shutter that secures conferences by physically sliding shut to block any video from being captured.

1 INSTANT ON



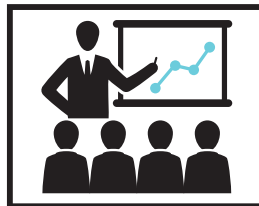
Walk in. Touch any button. You're on.

2 INSTANT CONTENT



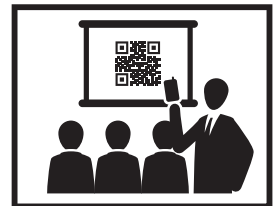
Locate your content on Dropbox, the Web or USB or share your screen.

3 INSTANT MEETING



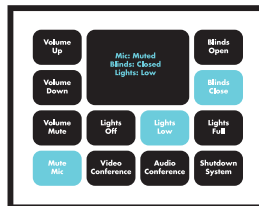
Open your file and go!

4 INSTANT SHARE



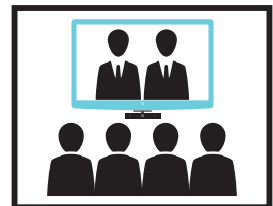
Others want your presentation materials?

5 INSTANT CONTROL



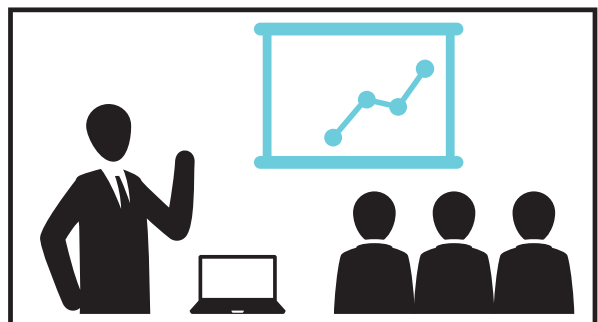
Add control of lights, volume, etc. via Enzo
(Requires separate AMX controller)

6 INSTANT CONFERENCING



Web Conferencing
(Easily initiate a web conference right from Enzo simply by adding an AMX Sereno Video Conferencing Camera, available separately)

7 INSTANT MIRRORING



Share your screen with others
(Share the content on your laptop, phone or tablet with other meeting attendees via Enzo)

ENZO PRESENTATION SYSTEM

AMX
by HARMAN

ENOVA DVX

ALL-IN-ONE PRESENTATION SWITCHERS



DVX-2110HD-SP/T

4X2 ALL-IN-ONE PRESENTATION SWITCHERS (MULTI-FORMAT, HDMI INPUTS)

- **4 Video Inputs:**
2 Multi-Format DVI (HDMI/HDCP capable)
2 HDMI/HDCP
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm) or
-T Model (75w – 70V/100V)



DVX-2150HD-SP/T

6X3 ALL-IN-ONE PRESENTATION SWITCHERS (MULTI-FORMAT, HDMI INPUTS)

- **6 Video Inputs:**
2 Multi-Format DVI (HDMI/HDCP capable)
4 HDMI/HDCP
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm) or
-T Model (75w – 70V/100V)



DVX-2155HD-SP/T

6X3 ALL-IN-ONE PRESENTATION SWITCHERS (MULTI-FORMAT, HDMI, DXLINK INPUTS)

- **6 Video Inputs:**
2 Multi-Format DVI (HDMI/HDCP capable)
2 HDMI/HDCP
2 DXLink
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm) or
-T Model (75w – 70V/100V)



DVX-3150HD-SP/T

10X4 ALL-IN-ONE PRESENTATION SWITCHERS (MULTI-FORMAT, HDMI INPUTS)

- **10 Video Inputs:**
4 Multi-Format DVI (HDMI/HDCP capable)
6 HDMI/HDCP
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm) or
-T Model (75w – 70V/100V)

ENOVA DVX.....continued

ALL-IN-ONE PRESENTATION SWITCHERS



DVX-3155HD-SP/T

10X4 ALL-IN-ONE PRESENTATION SWITCHERS
(MULTI-FORMAT, HDMI, DXLINK INPUTS)

- **10 Video Inputs:**
4 Multi-Format DVI (HDMI/HDCP capable)
4 HDMI/HDCP
2 DXLink
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm)
or -T Model (75w – 70V/100V)



DVX-3156HD-SP/T

10X4 ALL-IN-ONE PRESENTATION SWITCHERS
(MULTI-FORMAT, HDMI, 4 DXLINK INPUTS)

- **10 Video Inputs:**
2 Multi-Format DVI (HDMI/HDCP capable)
4 HDMI/HDCP
4 DXLink
- **Amplifier (Available in -SP and -T Models):**
-SP Model (2x25w – 8 Ohm)
or -T Model (75w – 70V/100V)

| Presentation Switcher | Model | Amplifier | Multi-Format Inputs | HDMI Inputs | DXLink Inputs | Analog Audio Inputs | Scaled HDMI Outputs | DXLink Twisted Pair Outputs | Analog Audio Outputs | Control Ports (Serial/IR/IO/Relay) |
|-----------------------|---------------|---------------|---------------------|-------------|---------------|---------------------|---------------------|-----------------------------|----------------------|------------------------------------|
| 4x2 | DVX-2110HD-SP | 2x25w - 8 Ohm | 2 | 2 | 0 | 4 | 2 | 1** | 3 | 3/4/4/4 |
| | DVX-2110HD-T | 75w -70V/100V | 2 | 2 | 0 | 4 | 2 | 1** | 3 | 3/4/4/4 |
| 6x3 | DVX-2150HD-SP | 2x25w - 8 Ohm | 2 | 4 | 0 | 4 | 2 | 1* | 3 | 3/4/4/4 |
| | DVX-2150HD-T | 75w -70V/100V | 2 | 4 | 0 | 4 | 2 | 1* | 3 | 3/4/4/4 |
| | DVX-2155HD-SP | 2x25w - 8 Ohm | 2 | 2 | 2 | 4 | 2 | 1* | 3 | 3/4/4/4 |
| | DVX-2155HD-T | 75w -70V/100V | 2 | 2 | 2 | 4 | 2 | 1* | 3 | 3/4/4/4 |
| 10x4 | DVX-3150HD-SP | 2x25w - 8 Ohm | 4 | 6 | 0 | 8 | 4 | 2** | 4 | 6/8/8/8 |
| | DVX-3150HD-T | 75w -70V/100V | 4 | 6 | 0 | 8 | 4 | 2** | 4 | 6/8/8/8 |
| | DVX-3155HD-SP | 2x25w - 8 Ohm | 4 | 4 | 2 | 8 | 4 | 2** | 4 | 6/8/8/8 |
| | DVX-3155HD-T | 75w -70V/100V | 4 | 4 | 2 | 8 | 4 | 2** | 4 | 6/8/8/8 |
| | DVX-3156HD-SP | 2x25w - 8 Ohm | 2 | 4 | 4 | 6 | 4 | 2** | 4 | 6/8/8/8 |
| | DVX-3156HD-T | 75w -70V/100V | 2 | 4 | 4 | 6 | 4 | 2** | 4 | 6/8/8/8 |

* DVX-215x DXLink output is an independent, unscaled output with power. Scaling occurs at DXLink Receiver.

** DVX-2110 and DVX-315x DXLink outputs are unpowered, paired with an HDMI output & contain identical audio & video content & resolution as companion HDMI output.



HYDRAPORT

ARCHITECTURAL CONNECTIVITY

HydraPort is a neat and clean conference room table AV connection solution that comes in a variety of chassis models and uses interchangeable modules (including Control, A/V, Networking, Power and Pass-Thru Cabling) to provide the right combination of connectivity. It ensures the top of the table always remains tidy, and under the table, everything is properly tucked away to prevent hazards.

NOTE: All AMX HydraPorts can be designed/configured using the HydraPort Connection Preview application at www.amx.com/hydraportpreview.



HPX-600-SL/BL
6 MODULE CONNECTION PORTS

This model allows up to 6 module connection ports.



HPX-900-SL/BL
9 MODULE CONNECTION PORTS

This model allows up to 9 module connection ports.



HPX-1200-SL/BL
12 MODULE CONNECTION PORTS

This model allows up to 12 module connection ports.



HPX-1600-BL/SL
16 MODULE RETRACTABLE
CONNECTION PORTS

This model allows up to 16 module connection ports, 8 on each side.

HYDRAPORT CONNECTION PORTS



**HPX-U400-MET-6N**

Metreau-6N Keypad Kit
6-Button With Navigation
(with Hpx Carrier) for Hpx-1600

HPX-U400-R-MET-6N

Metreau-6N Keypad Ramp Mount Kit
(with Hpx Carrier) for Hpx-600, 900 & 1200

**HPX-U400-MET-7/13**

Metreau-7/13 Keypad Kit - 7/13-Button
(with HPX Carrier) for HPX-1600

HPX-U400-R-MET-7/13

Metreau -7/13 Keypad Ramp Mount Kit
(with HPX Carrier) for HPX-600,
900 & 1200

**HPX-U400-SP-08-AX**

Novara Keypad with AxLink - 8-Button

HPX-U400-CP-1008

Novara ControlPad -8-Button

**HPX-N101-ETH-R**

Single Ethernet RJ45
Retractable Cable Version

**HPX-N102-RJ45**

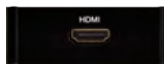
Dual Ethernet RJ45

**HPX-N102-USB**

Dual USB Module
with Printed USB Symbol

**HPX-AV101-HDMI-R**

Single HDMI Module
Retractable Cable Version

**HPX-AV101-HDMI**

Single HDMI Module

**HPX-U100-BTN**

Single Button Module with LED

**HPX-AV102-RGB+A-R**

RGBHV Video with Stereo Audio
Retractable Cable Version

**HPX-AV101-DP-R**

DisplayPort Module
Retractable Cable Version

**HPX-AV100-RGB+A**

RGBHV Video with Stereo Audio

**HPX-N100-RJ45**

Single Ethernet RJ45

**HPX-N102-USB-PC**

Dual USB Module with Printed
Charging Symbol, Includes Power Source

**HPX-N100-USB**

Single USB

**HPX-P250-PC-MULTI**

for HPX-600, 900 & 1200 Power Outlet
Modules (Multi-Region Module)

NETLINX NX-SERIES

CENTRAL CONTROLLERS



NX-1200

NETLINX NX INTEGRATED CONTROLLER

For Smaller Single Room Solutions

Geared to meet the specific control and automation needs of smaller environments, the NX-1200 includes nine control ports for control of up to four third-party IR devices and one serial device, plus Ethernet and AxLink connectivity and a lightning-fast 1600 MIPS processor – all in a 1/3 rack-style enclosure. It's the ideal solution for less complex spaces.



NX-2200

NETLINX NX INTEGRATED CONTROLLER

For Medium-Size Room Solutions

Ideal for medium-sized rooms or multi-room applications such as home theaters, whole homes, hotel rooms and other environments, the NX-2200 includes as many as 16 distinct control ports and features Ethernet, AxLink and ICSNet connectivity; and a lightning-fast 1600 MIPS processor. It's perfect for mid-size spaces with moderate control requirements.



NX-3200

NETLINX NX INTEGRATED CONTROLLER

For Larger, Multiple Room Solutions

With the ability to integrate a larger number of devices, the NX-3200 can control a wide variety of components needed to support larger areas. It includes as many as 32 distinct control ports and features Ethernet, AxLink and ICSNet connectivity, and a lightning-fast 1600 MIPS processor.



NX-4200

NETLINX NX INTEGRATED CONTROLLER

For Large-Scale Solutions

The NX-4200 provides versatility with the ability to integrate the largest number of devices in the NX Series of Master Controllers. It integrates up to 32 distinct control ports and features Ethernet, AxLink and ICSNet connectivity, along with 1GB of onboard RAM and a lightning-fast 1600 MIPS processor – all in a compact 1RU enclosure.

| FEATURE | NX-1200 | NX-2200 | NX-3200 | NX-4200 |
|------------------------|------------|-----------|-----------|-----------|
| AxLink Interface | 1 | 1 | 2 | 2 |
| 10/100 LAN | Yes | Yes | Yes | Yes |
| 10/100 ICSLAN | No | 1 | 1 | 4 PoE |
| Digital I/O Ports | 4 | 4 | 8 | 8 |
| RS232/422/485 Ports | 1 | 1 | 2 | 2 |
| RS232-only Ports | 1 | 3 | 6 | 6 |
| IR-Serial Output Ports | 2 | 4 | 8 | 8 |
| Relay Ports | 0 | 4 | 8 | 8 |
| IR Receiver Port | 1 | 0 | 0 | 0 |
| Processor Speed | 1600 MIPS | 1600 MIPS | 1600 MIPS | 1600 MIPS |
| On-Board RAM | 512 MB | 512 MB | 512 MB | 1 GB |
| Non-Volatile Memory | 1 M | 1 M | 1 M | 1 M |
| FLASH Memory | 4 GB SDHC | 8 GB SDHC | 8 GB SDHC | 8 GB SDHC |
| Rack Space | 1 RU x 1/3 | 1 RU | 1 RU | 1 RU |

For more information, visit www.amx.com/productinfo

ICSLAN CONTROL PORTS

ETHERNET CONTROL BOXES



EXB-COM2

ICSLan Serial Interface, 2 Ports



EXB-IRS4

ICSLan IR/S Interface,
4 IR/S and 4 Inputs



EXB-MP1

ICSLan Multi-Port, 1 COM,
1 IR/S, 2 I/O, 1 IR RX



EXB-I/O8

ICSLan Input/Output Interface,
8 Channels



EXB-REL8

ICSLan Relay Interface,
8 Channels



NXA-PDU-1508-8

Power Distribution Unit (110V/220V)

ICSLAN / SOLECIS

SOLECIS DIGITAL SWITCHERS

MULTIPLE VIDEO, AUDIO AND ETHERNET USB INPUTS



SDX-410-DX

Solecis 4x1 HDMI Digital
Switcher with DXLink Output



SDX-510M-DX

Solecis 5x1 Multi-Format Digital Switcher
with DXLink Output



SDX-810-DX

Solecis 8x1 HDMI Digital
Switcher with DXLink Output

ENOVA DGX

DIGITAL MEDIA SWITCHERS



DGX8-ENC
Enova DGX 8 Enclosure



DGX16-ENC
Enova DGX 16 Enclosure



DGX32-ENC-A
Enova DGX 32 Enclosure



DGX64-ENC
Enova DGX 64 Enclosure



DGX-I/O-HDMI
Enova DGX HDMI Input/Output Boards



DGX-I/O-DVI
Enova DGX DVI Input/Output Boards



DGX-AIE
Enova DGX Audio Insert/Extract Board



DGX-I/O-DXL
Enova DGX DXLink Twisted Pair Input/Output Boards



DGX-I/O-DXF-MMD
Enova DGX DXLink Multimode Fiber Input/Output Boards, Duplex



DGX-I/O-DXF-MMS
Enova DGX DXLink Multimode Fiber Input/Output Boards, Simplex



DGX-I/O-DXF-SMD
Enova DGX DXLink Single Mode Fiber Input/Output Boards, Duplex



DGX-I/O-DXF-SMS
Enova DGX DXLink Single Mode Fiber Input/Output Boards, Simplex

ENOVA DGX MEDIA SWITCHERS



ENOVA DGX

COMPARISON CHART

ALL Enova DGX, DXLink and DXLink Fiber boards fit in any Enova DGX Enclosure. Visit AMX.com and use the Enova DGX Configuration Tool to design your next digital media switcher, complete with compatible DXLink Twisted Pair and Fiber Transmitters / Receivers.

Enova DGX Enclosures

All Enova DGX Enclosures are also equipped with an Integrated NetLinx NX Series Central Control Processor, Redundant Power Supplies, SmartScale, InstaGate Pro and Built-In Ethernet Switch.

Important Design Notes:

Connectivity between DXLink Fiber Transmitters and DXLink Fiber Input Boards / DXLink Fiber Output Boards and DXLink Fiber Receivers product requires matching fiber cable types, Multimode to Multimode and Single Mode to Single Mode. Duplex / Simplex compatibility is allowed however the functionality of the system will be reduced to the lesser simplex functionality. A variety of boards can be used within a common enclosure.

| | | ENOVA DGX 8 | | ENOVA DGX 16 | | ENOVA DGX 32 | | ENOVA DGX 64 | |
|-------------------------------------------------------------------------|----------------------------|----------------------------------------------------------------------------------------------------|------|--------------------------------|------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input / Output Board Slots (4 Connections / Board) | | 2 / 2 | | 4 / 4 | | 8 / 8 | | 16 / 16 | |
| Audio Insert / Extract Board Input / Output Slots | | 1 / 1 | | 1 / 1 | | 1 / 1 | | 4 / 4 | |
| BOARD | MODEL | CONNECTIONS | HDCP | DISTANCE | TRANSMISSION DATA RATE | BIDIRECTIONAL CONTROL OVER FIBER / TWISTED PAIR (ETHERNET, USB, IR, SERIAL, EDID) | BIDIRECTIONAL CONTROL OVER AN INDEPENDENT NETWORK CONNECTION | SMARTSCALE | COMPATIBLE TX/RX |
| Local | | | | | | | | | |
| HDMI Input Board | DGX-I-HDMI (FG1058-540) | 4 HDMI | Yes | 30.5 m / 100 ft* | n/a | n/a | Yes | n/a | n/a |
| HDMI Output Board | DGX-O-HDMI (FG1058-558) | 4 HDMI | Yes | 15 m / 49 ft*** | n/a | n/a | Yes | Yes | n/a |
| DVI Input Board | DGX-I-DVI (FG1058-600) | 4 DVI-D | Yes | 30.5 m / 100 ft** | n/a | n/a | Yes | n/a | n/a |
| DVI Output Board | DGX-O-DVI (FG1058-610) | 4 DVI-D | Yes | 15 m / 49 ft*** | n/a | n/a | Yes | Yes | n/a |
| Audio Insert / Extract Board | DGX-AIE (FG1058-705) | 8 pluggable, dual three-position, terminal blocks each containing two single-ended stereo contacts | n/a | n/a | n/a | n/a | Yes | n/a | n/a |
| DXLink Twisted Pair | | | | | | | | | |
| Twisted Pair Input Board | DGX-I-DXL (FG1058-570) | 4 RJ-45 | Yes | 100 m / 328 ft**** | 10.2 Gbps | Yes | Yes | n/a | DX-TX (FG1010-310) DX-TX-DWP (FG1010-325-BL/WH) DX-TX-WP (FG1010-320-BL/WH) SDX-410-DX (FG1010-304) SDX-510M-DX (FG1010-315) SDX-810-DX (FG1010-308) |
| Twisted Pair Output Board | DGX-O-DXL (FG1058-580) | 4 RJ-45 | Yes | 100 m / 328 ft**** | 10.2 Gbps | Yes | Yes | Yes, at DX-Link RX | DX-RX (FG1010-500) |
| DXLink Fiber, Multimode Fiber featuring Field Serviceable SFP Modules | | | | | | | | | |
| Multimode Fiber Input Board (Duplex) | DGX-I-DXF-MMD (FG1058-622) | 4 LC Duplex | Yes | 300 m / 984 ft | 10 Gbps | Yes | Yes | n/a | DXF-TX-MMD (FG1010-362) DXF-TX-MMS (FG1010-363) |
| Multimode Fiber Output Board (Duplex) | DGX-O-DXF-MMD (FG1058-632) | 4 LC Duplex | Yes | 300 m / 984 ft | 10 Gbps | Yes | Yes | Yes, at DXLink Fiber RX | DXF-RX-MMD (FG1010-562) DXF-RX-MMS (FG1010-563) |
| Multimode Fiber Input Board (Simplex) | DGX-I-DXF-MMS (FG1058-623) | 4 LC Simplex | Yes | 300 m / 984 ft | 10 Gbps | No | Yes | n/a | DXF-TX-MMS (FG1010-363) DXF-TX-MMD (FG1010-362) |
| Multimode Fiber Output Board (Simplex) | DGX-O-DXF-MMS (FG1058-633) | 4 LC Simplex | Yes | 300 m / 984 ft | 10 Gbps | No | Yes | Yes, at DXLink Fiber RX | DXF-RX-MMS (FG1010-563) DXF-RX-MMD (FG1010-562) |
| DXLink Fiber, Single Mode Fiber featuring Field Serviceable SFP Modules | | | | | | | | | |
| Single Mode Fiber Input Board (Duplex) | DGX-I-DXF-SMD (FG1058-620) | 4 LC Duplex | Yes | 10 Km / 32,808 ft / 6.21 miles | 10 Gbps | Yes | Yes | n/a | DXF-TX-SMD (FG1010-360) DXF-TX-SMS (FG1010-361) |
| Single Mode Fiber Output Board (Duplex) | DGX-O-DXF-SMD (FG1058-630) | 4 LC Duplex | Yes | 10 Km / 32,808 ft / 6.21 miles | 10 Gbps | Yes | Yes | Yes, at DXLink Fiber RX | DXF-RX-SMD (FG1010-560) DXF-RX-SMS (FG1010-561) |
| Single Mode Fiber Input Board (Simplex) | DGX-I-DXF-SMS (FG1058-621) | 4 LC Simplex | Yes | 10 Km / 32,808 ft / 6.21 miles | 10 Gbps | No | Yes | n/a | DXF-TX-SMS (FG1010-361) DXF-TX-SMD (FG1010-360) |
| Single Mode Fiber Output Board (Simplex) | DGX-O-DXF-SMS (FG1058-631) | 4 LC Simplex | Yes | 10 Km / 32,808 ft / 6.21 miles | 10 Gbps | No | Yes | Yes, at DXLink Fiber RX | DXF-RX-SMS (FG1010-561) DXF-RX-SMD (FG1010-560) |

*Features Input Equalization, adaptive up to 100ft (30m) at 225 MHz (cable distance support dependent on cable type and signal format)

**Features Input Equalization, adaptive up to 100ft (30m) at 165 MHz (cable distance support dependent on cable type and signal format)

***Dependent on cable quality and display

****For more details and helpful cabling information, please reference the AMX white paper titled "Cabling for Success with DXLink"

DXLINK

TRANSMITTERS & RECEIVERS



DXF-TX-MMD/S

DXLINK MULTI-FORMAT MULTIMODE FIBER TRANSMITTERS, DUPLEX/SIMPLEX

Delivers audio, video, control and Ethernet (over the same fiber cable) featuring built-in SmartScale® Technology, over multimode fiber from up to 300 meters.



DXF-TX-SMD/S

DXLINK MULTI-FORMAT SINGLE MODE FIBER TRANSMITTERS, DUPLEX/SIMPLEX

Delivers audio, video, control and Ethernet (over the same fiber cable) featuring built-in SmartScale® Technology, over single mode fiber from up to 10 Km.



DXF-RX-MMD/S

DXLINK HDMI MULTIMODE FIBER RECEIVERS, DUPLEX/SIMPLEX

Sends analog and digital audio and video (over the same fiber cable) such as PCs using the HD-15 multi-format input connection or HDMI with HDCP up to 300 meters over multimode fiber.



DXF-RX-SMD/S

DXLINK HDMI SINGLE MODE FIBER RECEIVERS, DUPLEX/SIMPLEX

Sends analog and digital audio and video (over the same fiber cable) such as PCs using the HD-15 multi-format input connection or HDMI with HDCP up to 10 Km over single mode fiber.

DXLINK TX & RX



DXLINK

TRANSMITTERS & RECEIVERS



DX-TX

DXLINK MULTI-FORMAT TRANSMITTER MODULE

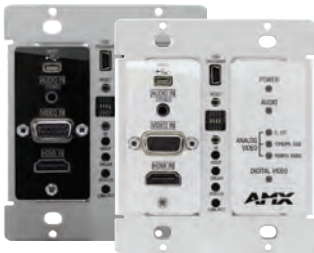
Sends analog and digital audio and video including HDMI with HDCP, control and Ethernet up to 100 meters over one standard twisted pair cable.



DX-RX

DXLINK HDMI RECEIVER MODULE

Delivers audio, video, control and Ethernet featuring built-in SmartScale Technology, over one standard twisted pair cable from up to 100 meters.



DX-TX-DWP

DXLINK MULTI-FORMAT DECOR STYLE WALLPLATE TRANSMITTERS (US)

Sends analog and digital audio and video including HDMI/HDCP, along with embedded audio or supplemental analog audio up to 100 meters.



DX-TX-WP

DXLINK MULTI-FORMAT WALLPLATE TRANSMITTERS

Sends analog and digital audio and video including HDMI/HDCP, along with embedded audio or supplemental analog audio up to 100 meters.

DXLINK TX & RX

AMX
by HARMAN

EPICA/OCTAIRE

MATRIX SWITCHERS



EPICA DGX 144

CUSTOMIZABLE MATRIX SWITCHER LARGE-SCALE
SINGLE STRAND MULTIMODE FIBER MATRIX
SWITCHING, MAXIMUM CONFIGURATION 144X144

The Epica DGX 144 is a modular fiber optic matrix switcher designed to transport uncompressed video, embedded audio and one-way control up to 3000 feet away over single strand multimode fiber. With its exclusive DGX Technology, the system offers simple signal conversion between analog and digital signals and vice versa whether it is needed at the source, the switch or the destination. Supporting 4.95 Gbps, the DGX ensures perfect pixel for pixel reproduction for all video resolutions up to 1920x1200. Designed with flexibility, the compact 16 RU enclosure is expandable from 16x16 to 144x144 by increments of 16 and supports DGX Fiber, DVI and HD-15 input boards and DGX Fiber, and our DVI output boards.



AVS-OCT-6464-007

OCTAIRE 64X64 STEREO AUDIO WITH
5T PHOENIX-STYLE AND DIGITAL VOLUME CONTROL

Octaire Stereo Audio Matrix Switchers provide an extremely dense solution for professional level balanced stereo audio signals in varying configurations up to 64x64. Each system includes integrated digital output volume and input gain adjustments that can be controlled from the included front control panel or integrated TCP/IP and RS-232 control ports.

EPICA / OCTAIRE MATRIX SWITCHERS



PRECIS/ALERO

AUDIO SWITCHERS & AMPLIFIER



AVS-PL-0808/1818-00P

PRECIS DSP 8X8/18X8

FIXED MATRIX SWITCHERS

STEREO AUDIO WITH RCA DIGITAL VOLUME

CONTROL AND DIGITAL SIGNAL PROCESSING

The Precis DSP provides the ultimate solution for distributed audio by combining the functionality of a matrix switcher with the signal processing of an external equalization device. With robust features like a 10-band graphic equalizer, input gain, volume, tone, and balance control, the Precis DSP provides for exact customization of each output to support the attributes of the room or zone. The easy-to-use AutoPatch GraphicEQ setup software tool allows installers to manage all of the audio adjustments for the Precis DSP including adjusting the input gain to eliminate noticeable differences in volume as the user switches between various sources.



ALR-AMP

ALERO 8 ZONE POWER AMPLIFIER

Features 16 distribution channels of true audiophile quality sound and highly efficient, heat-dissipating Class D power amplification – all smartly designed to fit into a compact 1RU chassis. Alero perfectly complements the AMX Precis DSP for a completely unified, whole-home distributed audio source switching and amplification solution.

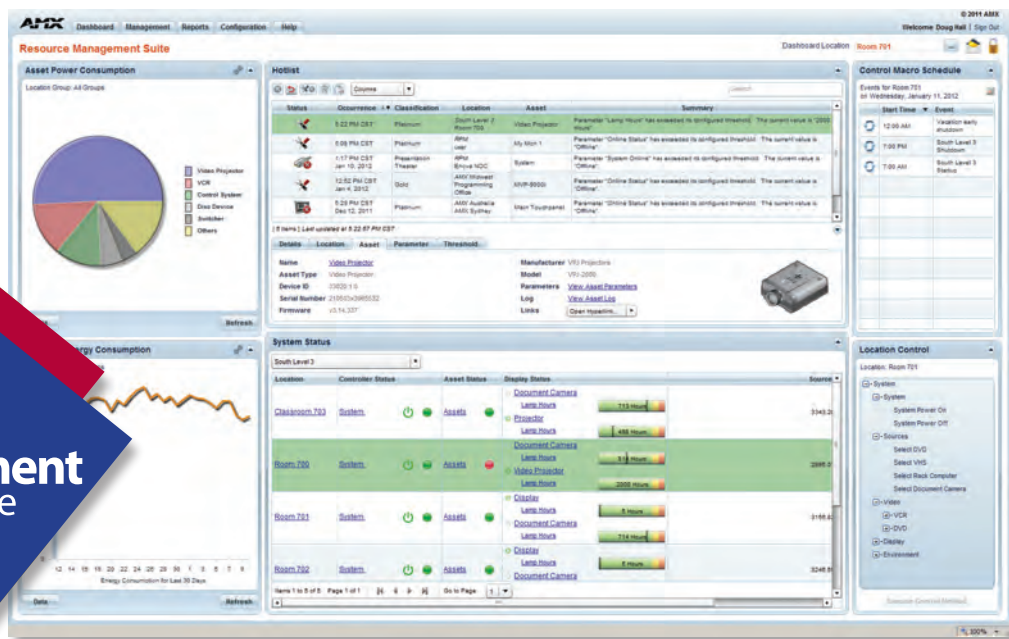
PRECIS / ALERO



RESOURCE MANAGEMENT SUITE

ASSET, RESOURCE MANAGEMENT & SCHEDULING SOFTWARE

Resource Management Suite



RMS-ENT

RMS ENTERPRISE SERVER, 1000 LOCATION LICENSES, AND 3 YEAR MAINTENANCE

RMS-ENT / RMS Enterprise is scalable client/server based software for IT and AV managers that provides remote management capabilities for AV assets and building systems. The software features a user-friendly dashboard that makes it easy to centralize the management and monitoring of AV equipment, lights, HVAC and other building functions. This allows users to solve technology issues before they become problems, such as identifying displays before a bulb burns out or receiving immediate notification when a device goes offline. With RMS, IT and AV managers can improve their response times, while end users can reduce the amount of time lost while waiting for meeting room equipment to function. RMS is a green solution that saves money and the environment by reducing energy consumption by remotely turning off equipment when rooms are empty or at the end of the work day.

RMS-ENT-SCH

RMS ENTERPRISE SCHEDULING LICENSE

RMS-ENT-SCH / RMS Enterprise Scheduler is the comprehensive room scheduling module for AMX's RMS Enterprise software. RMS-ENT-SCH eliminates two major barriers to meeting effectiveness: It assists meeting attendees in locating rooms by displaying the scheduled appointments on a touch screen outside the meeting room, and eliminates delays in meeting start times by allowing room AV systems to be pre-set for the start and end of meetings, eliminating the time meeting organizers frequently waste on equipment setup. The Scheduler interfaces with the most popular Enterprise calendaring applications (Microsoft Outlook / Exchange, Lotus Notes and Google Calendar) to enable employees to search for and book meeting rooms from their PCs. RMS-ENT-SCH also includes an API for interfacing with less common and/or in-house developed calendaring applications.

For more information, visit www.amx.com/productinfo

RESOURCE MANAGEMENT SUITE

MAINTENANCE, HOSTED SERVICE & INTERFACES

RMS-ENT-SMA

RMS 3 YEAR SOFTWARE
MAINTENANCE AGREEMENT

RMS-ENT-SMA / RMS Software Maintenance Agreement is a renewable service plan for RMS Enterprise that provides organizations with a simple program to keep their RMS software current and provide continued access to AMX Technical Support resources. Available in one year increments, the Software Maintenance Agreement includes upgrades, updates and top-tier Technical Support. The first three years of RMS-ENT-SMA are included in the pricing for RMS-ENT (FG3004-K). RMS Enterprise customers will be notified prior to the conclusion of their initial three-year term so that they may elect to purchase RMS-ENT-SMA. The renewal/upgrade price is based on the scope of each RMS installation. For questions about pricing, please contact your AMX Representative.

RMS-ENT-CLOUD

RMS ENTERPRISE HOSTED MONTHLY
SUBSCRIPTION SERVICE

RMS-ENT-CLOUD / RMS Enterprise Hosted Cloud Service is a cloud-based software application for IT and AV managers that provides remote management capabilities for AV assets and building systems. The software features a user-friendly dashboard that makes it easy to centralize the management and monitoring of AV equipment, lights, HVAC and other building functions.

RMS INTERFACES

RMS-SCH-EWS

RMS ENTERPRISE INTERFACE FOR MICROSOFT
EXCHANGE WEB SERVICES (EWS)

The RMS Interface for Exchange EWS (NSS-RMS-EWS) utilizes Microsoft's Exchange Web Services API to communicate with Exchange 2010 and 2007 servers. NSS-RMS-EWS is intended for use with RMS version 3.3. The plug-in provides appointment management features of the RMS application to synchronize RMS room schedules with Exchange servers.

RMS-SCH-LN

RMS ENTERPRISE INTERFACE
FOR LOTUS NOTES DOMINO

RMS-SCH-LN / RMS Enterprise Scheduling Interface for Lotus Notes Domino is an Interface for RMS Enterprise that enables customers using RMS Enterprise Scheduling to locate and book rooms directly from their PCs, or from touch panels. RMS-SCH-LN utilizes the web services Lotus Notes API to communicate with Google Apps for Business.

RMS-SCH-GGL

RMS ENTERPRISE SCHEDULING INTERFACE
FOR GOOGLE CALENDAR

RMS-SCH-GGL / RMS Enterprise Scheduling Interface for Google Calendar is a free Interface for RMS Enterprise that enables customers using RMS Enterprise Scheduling to locate and book rooms directly from their PCs, or from touch panels. RMS-SCH-GGL utilizes the web services Google Calendar API to communicate with Google Apps for Business.

NXB-KNX

KNX COMMUNICATIONS GATEWAY



Now Enables AMX Control Of KNX Devices

The NetLinx NXB-KNX allows NetLinx Integrated Controllers the ability to seamlessly control, integrate and communicate with homes and buildings that utilize the KNX communication protocol.

INSPIRED SIGNAGE

NETWORK MEDIA - DIGITAL SIGNAGE



IS-SPX-1300

INSPIRED SIGNAGE XPRESS PLAYER

Inspired XPress is tailored for organizations that desire to manage all aspects of their digital signage including content creation. XPress player uses a simple, intuitive software interface that allows staff to quickly create templates and content, and then publish the content to the player which is small enough to mount behind any display. Content design is fluid, similar to a web page. The player supports 720p video and improved animation making it a powerful easy-to-use, energy efficient solution that delivers outstanding HD image quality.



IS-XPT-2100

INSPIRED SIGNAGE XPERT PLAYER

This player uses the Inspired XPert hardware solution that solves the challenge of managing multiple content contributors using an ultra-compact player that can also directly control the connected display when integrated with AMX RMS. It features new multi-byte character capabilities to support multiple left-to-right languages, displays high-resolution 1080p video with the processing power to simultaneously display HD video, images, text, and internet feeds smoothly and reliably. NetLinX programming options provide the ability to easily combine Inspired XPert with AMX Control systems to create messaging solutions that involve the entire environment including lights, audio, and control over connected displays.

NETWORK MEDIA

VIDEO MANAGEMENT/DISTRIBUTION



XPORT-SERV-100

XPORT DATA INTEGRATION SOFTWARE

Organizations that need to display data from a variety of sources on digital signs or other devices are challenged because each data source has a unique way of accessing it. For example, the way an RSS feed is accessed is different from the way data is extracted from a CSV file. XPort Data Integration Software provides a solution to this challenge by providing a central point for data feed aggregation, with plug-in feed handlers that are responsible for extracting data from a particular type of data source. Once the data is extracted, it is published as a standard XML output, which can be accessed by signage players or other devices without each device needing to have native support for the original data source. The software can be operated on any compatible server. See specification for details.



NMX-ENC-1100/1105

H.264 ENCODERS

H.264 Encoders connect directly to sources including PCs, cameras and set top boxes and provide the on-ramp to stream the video on a network using a network media solution like Vision2. They are robust encoders offering standardized, bandwidth-efficient encoding for SD and HD sources. They are ideal entry point for any source designed into a network media solution like Vision2; allowing live video from cameras as well as video from PCs, set-top boxes and more to be streamed onto any network for immediate world-wide access.

NETWORK MEDIA

AMX
by HARMAN

RAPID PROJECT MAKER

AMX CONTROL SYSTEM CONFIGURATION SOFTWARE



NSS-RPM

RAPID PROJECT MAKER SOFTWARE, VER. 2.0

Design, Configure, Deploy

- **Design, Configure, and Deploy AMX Systems in Less than an Hour**
- **Now Featuring Dual Room Configuration:**
Automate Two Rooms with a Single Enova DVX

Create the Perfect Meeting in Under an Hour

You need to create an environment to hold The Perfect Meeting – where your presentation material, video, audio and room control technology work together seamlessly to make your meeting a success.

Rapid Project Maker (RPM) is an application designed to eliminate your meeting room technology problems. AMX leveraged decades of experience to bring you a software system that guides you through the process of setting up all of your conference room or classroom technology quickly, easily and reliably - so that everything works perfectly from the start.

For complete details and to get started with RPM today, visit the RPM Portal at www.amxrpm.com.

RAPID PROJECT MAKER



| WITHOUT RPM Automating a Conference Room is: | WITH RPM Automating a Conference Room is: |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| Difficult. Requires extensive programming skills. | Simple. No programming or sophisticated technical knowledge required. |
| Time Consuming. Takes days or weeks to program a system. | Fast. Set up a complete system in an hour or less that works perfectly from the start. |
| Expensive. Programming costs can consume a budget. | Affordable. RPM is free and eliminates expensive programming and integration costs. |
| Unreliable. Complex programming can lead to complex & unreliable installations, resulting in failed meetings. | Rock-Solid. RPM system designs and code are tested and backed by AMX, resulting in the Perfect Meeting. |
| Inconsistent. Custom programming is difficult to replicate. | Easy to Duplicate. Projects are saved to the AMX Cloud and can be deployed to any number of similar rooms. |

AMX INFORMATION

SHOWROOMS & SALES

Visit an **AMX** Showroom

London Showroom & Office

6th Floor Salisbury House
London Wall, London, EC2M 5QQ
+44 (0) 207.652.9450

New York Showroom

130 West 42nd Street
Suite 2400
New York, NY 10036
866.530.3554

Dallas Showroom & Headquarters

3000 Research Drive
Richardson, TX 75082
800.222.0193

San Francisco Allsteel Showroom

Four Maritime Plaza
San Francisco, CA 94111
415.677.9116



LONDON

NEW YORK

DALLAS

SAN FRANCISCO

Become an AMX Authorized Dealer

To learn more about becoming an AMX Authorized Dealer, please visit www.amx.com/newdealer. Here you will begin the AMX Channel Partner process. Once approved, you will be paired up with the appropriate direct or distribution sales representative.

NOTES

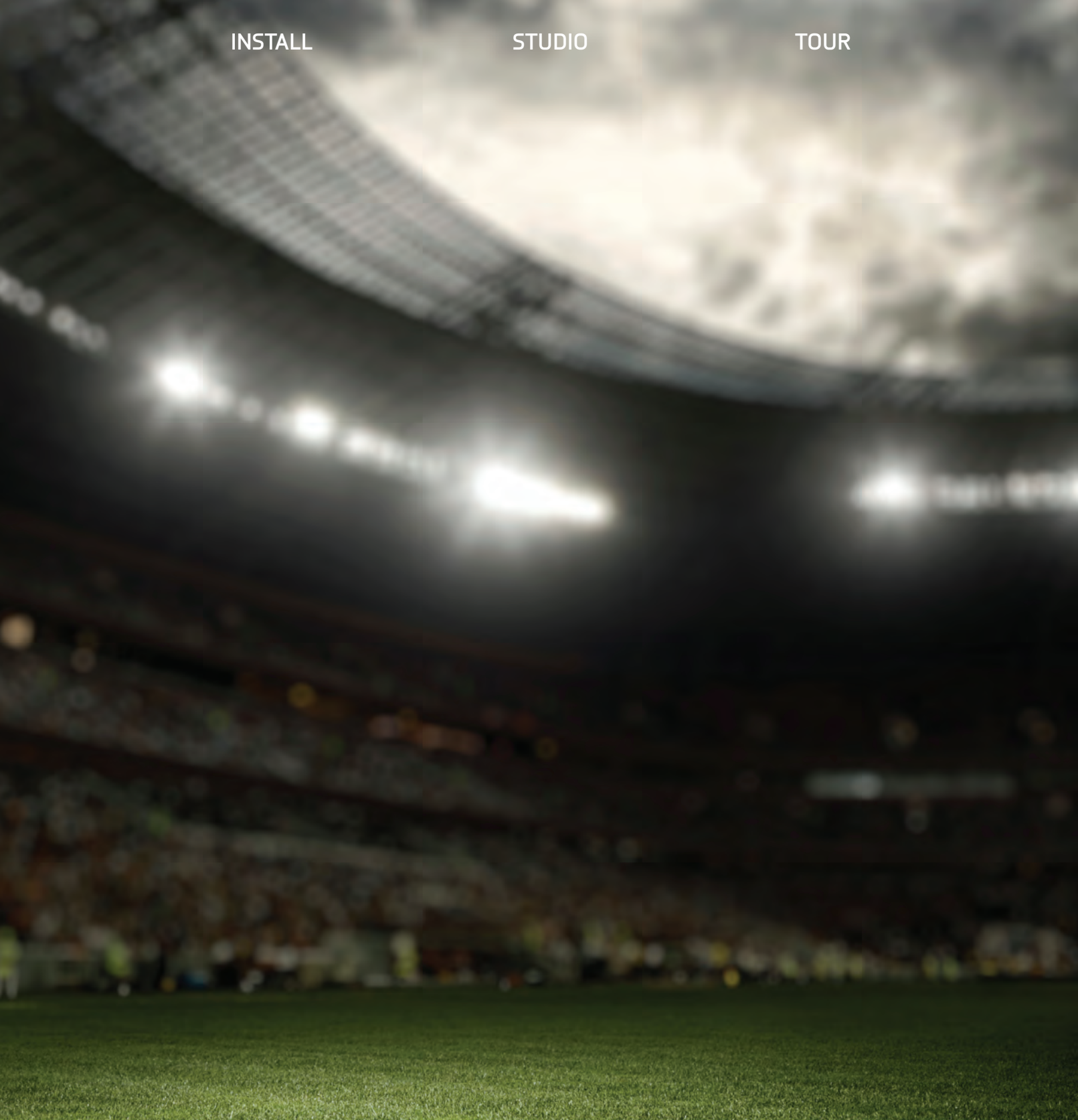
AMX INFORMATION



INSTALL

STUDIO

TOUR



FULL LINE CATALOG 2015



AUDIO SIGNAL PROCESSING

IT BEGAN OVER 25 YEARS AGO...

BSS Audio is world renowned for outstanding sound quality and reliable equipment that satisfies the real demands of professional musicians and high-profile installations. Products from BSS Audio are used on major tours, in recording and broadcast studios, churches, casinos, arenas, and nightclubs on every continent. Why do so many sound industry veterans swear by BSS Audio? Because with every performance, installation, broadcast, and recording, these professionals put their reputations on the line. The pros demand superior sound quality and a proven track record. They can count on it with BSS Audio.

RELIABILITY

The uncompromising reliability achieved through superb design and meticulous quality assurance is why more artists regularly choose BSS Audio systems. From the rock-solid AR-133 Direct Injection Box, to the state of the art Soundweb London networked signal processors, BSS Audio offers the very best in signal processing.

LIVE SOUND

For over 25 years, BSS Audio equipment has been manhandled on and off trucks and planes, city after city, tour after tour. And every time the show started, the performers and the techs knew their BSS Audio gear would work. No wonder top performing artists like Metallica, Diana Krall, David Bowie, and Oasis regularly choose BSS Audio systems.

SL Soundweb London

Networked Signal Processors 150-155

SC Soundweb Contrio

Soundweb Contrio Server 156

I/O Input/Output Cards

Input and Output Cards 157

WC Wall Controllers

Soundweb Contrio AC-V 158
 Soundweb Contrio AC-5S 158
 Soundweb Contrio EC-V 159
 Soundweb Contrio EC-4B 159
 Soundweb Contrio EC-4BV 159
 Soundweb Contrio EC-8BV 159
 BLU-10 Controller 160
 BLU-8v2 Controller 160
 BLU-3 Controller 160
 BLU-6 Controller 160
 SW9012US Wall Panel 160
 SW9015US Wall Panel 160

AC Accessories

BLU-BIB Break-In Box 161
 BLU-BOB1 Break-Out Box 161
 BLU-BOB2 Break-Out Box 161
 BLU-GPX GPIO Expander 161
 PIP-BLU Input Processor 162
 BLU-MC1 Media Converter 162
 BLU-HIF Headset Interface 162
 BLU-SI BLU link Card 162
 AR-133 Active DI Box 162

M Miscellaneous Products

FCS-960 Graphic EQ 163
 FCS-966 Graphic EQ 163

S Product Specs 164-169



SOUNDWEB™ LONDON SERIES NETWORKED SIGNAL PROCESSORS

POWER AND FLEXIBILITY

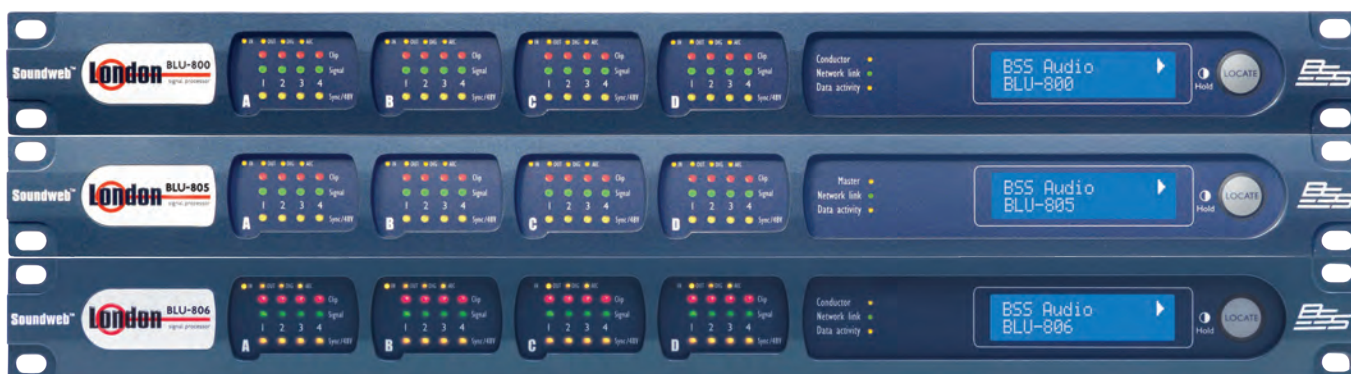
for install venues

Long before networked digital audio, BSS Audio gained its reputation for elegant-sounding signal processing and crossovers. Innovative technologies like Progressive Knee Subtractive Compression, mid-filter crossover limiting, dynamic equalization and ADE™ restoration of leading-edge information in noise gates have elevated BSS Audio to almost cult status among live sound and recording engineers.

We have leveraged this analog audio expertise into what many believe are the best-sounding digital signal processing algorithms available. Beginning with Soundweb Original, and now with the Soundweb™ London family of networked digital signal processing systems, we have brought the same warmth and clarity to a vast palette of DSP modules. All are deployed within an intuitive, easy-to-use Harman HiQnet™ software application.

[PLEASE VISIT **BSSAUDIO.COM** FOR SPECS AND FULL PRODUCT COMPARISON CHART]

- **Free-design programmable DSP system**
places no restrictions on signal path, sub-mixing or object location
- **The ability to change how your audio system behaves**
according to the type of event you are holding, just with the recall of a preset
- **Easy and quick addition of more signal processing**
within the system without increasing your hardware budget
- **Fast implementation of specification changes**
during or post-design
- **The appropriate level of end-user control**
without providing overly-complex interfaces
- **Pristine audio quality**
with advanced A/D and D/A conversion, together with 96kHz-capable audio processing and networking
- **Simple, easy-to-learn drag-and-drop system design**
- **Ethernet based control over Cat 5 cable**
- **An extensive range of control options to offer clients**
- **Easy expansion or reconfiguration of system hardware in the field**



SOUNDWEB™ LONDON 800 SERIES

CONFIGURABLE SIGNAL PROCESSORS WITH BLU LINK

DESIGN YOUR ENVIRONMENT

for install venues

The Soundweb™ London 800 series has open architecture which is fully configurable through HARMAN HiQnet software. A rich palette of processing and logic objects and a “drag and drop” method of configuration provide a simple and familiar design environment.

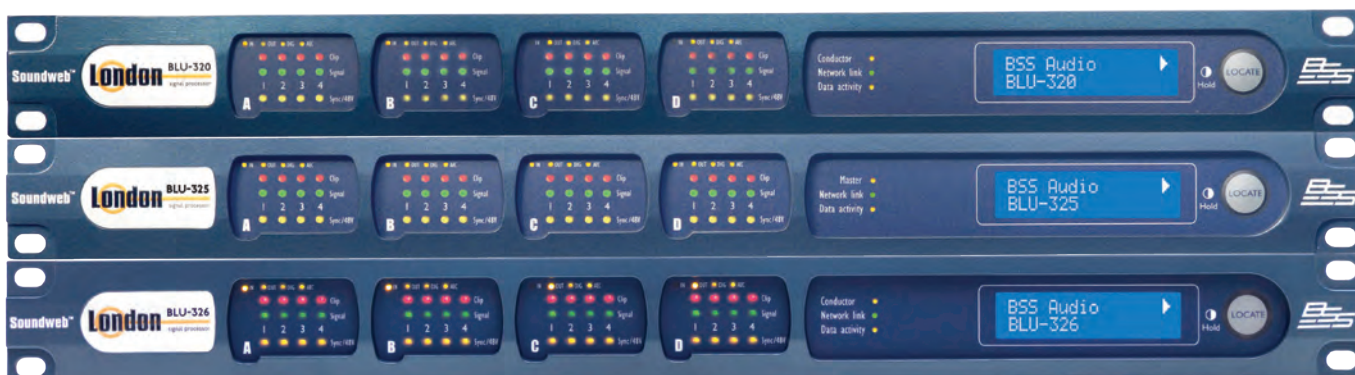
Four card slots facilitate many different device I/O configurations. Each slot can accommodate any of six available I/O cards, including the Analog Input Card, Analog Output Card, Digital Input Card, Digital Output Card, AEC Input Card, and Telephone Hybrid Card. Each card supports four channels.

The series also features a low latency, fault tolerant digital audio bus of 256 channels which uses standard Category 5e cabling giving a distance of 100m between compatible devices. Fiber optic media converters can be used to increase the distance between devices to over 40km. The Soundweb™ London 800 series provides the building blocks of the perfectly tailored system solution.

- **Four card slots**
facilitate many different device I/O configurations
- **Phantom Power, Sync, Signal Present and Clip information per channel**
are easily accessible, without the requirement for a PC, from clear front panel LED indication
- **Fully configurable through HARMAN HiQnet™ Software**
- **12 Control Inputs and 6 Logic Outputs**
allow the processors to be integrated with GPIO compatible devices
- **Fault tolerant digital audio bus of 256 channels**

| DEVICE | FEATURE |
|---------|-----------------------|
| BLU-800 | BLU link CobraNet® |
| BLU-805 | BLU link AVB |
| BLU-806 | BLU link Dante™ |

[PLEASE VISIT **BSSAUDIO.COM** FOR SPECS AND
FULL PRODUCT COMPARISON CHART]



SOUNDWEB™ LONDON 300 SERIES

CONFIGURABLE I/O EXPANDERS WITH BLU LINK

CONFIGURE YOUR EXPERIENCE

for install venues

The Soundweb™ London 300 series is fully configurable through Harman HiQnet software. A rich palette of logic objects and a “drag and drop” method of configuration provide a simple and familiar design environment.

Four card slots facilitate many different device I/O configurations. Each slot can accommodate any of six available I/O cards, including the Analog Input Card, Analog Output Card, Digital Input Card, Digital Output Card, AEC Input Card, and Telephone Hybrid Card. Each card supports four channels.

The series also features a low latency, fault tolerant digital audio bus of 256 channels which uses standard Category 5e cabling giving a distance of 100m between compatible devices. Fiber optic media converters can be used to increase the distance between devices to over 40km. The Soundweb London 300 series provides the building blocks of the perfectly tailored system solution.

- **Four card slots**
facilitate many different device I/O configurations
- **Phantom Power, Sync, Signal Present and Clip information per channel**
are easily accessible, without the requirement for a PC, from clear front panel LED indication
- **Fully configurable through HARMAN HiQnet™ Software**
- **12 Control Inputs and 6 Logic Outputs**
allow the processors to be integrated with GPIO compatible devices
- **Fault tolerant digital audio bus of 256 channels**

| DEVICE | FEATURE |
|---------|-----------------------|
| BLU-320 | BLU link CobraNet® |
| BLU-325 | BLU link AVB |
| BLU-326 | BLU link Dante™ |

[PLEASE VISIT **BSSAUDIO.COM** FOR SPECS AND
FULL PRODUCT COMPARISON CHART]



BLU-120 CONFIGURABLE I/O EXPANDER WITH BLU LINK

FULL FLEXIBILITY

for install venues

The Soundweb™ London BLU-120 is fully configurable through Harman HiQnet software. A rich palette of logic objects and a “drag and drop” method of configuration provide a simple and familiar design environment.

Four card slots facilitate many different device I/O configurations. Each slot can accommodate any of the six available four-channel I/O cards.

The BLU-120 also features a low latency, fault tolerant digital audio bus of 256 channels.

- **Four card slots**
facilitate many different device I/O configurations
- **Phantom Power, Sync, Signal Present and Clip information per channel**
are easily accessible, without the requirement for a PC, from clear front panel LED indication
- **Fully configurable through HARMAN HiQnet™ Software**
- **12 Control Inputs and 6 Logic Outputs**
allow the processors to be integrated with GPIO compatible devices
- **Fault tolerant digital audio bus of 256 channels**



BLU-160 CONFIGURABLE SIGNAL PROCESSOR WITH BLU LINK

PROCESSING POWER

for install venues

The Soundweb™ London BLU-160 has open architecture which is fully configurable through Harman HiQnet software. A rich palette of processing and logic objects and a “drag and drop” method of configuration provide a simple and familiar design environment.

Four card slots facilitate many different device I/O configurations. Each slot can accommodate any of the six available four-channel I/O cards.

The series also features a low latency, fault tolerant digital audio bus of 256 channels.

- **Four card slots**
facilitate many different device I/O configurations
- **Phantom Power, Sync, Signal Present and Clip information per channel**
are easily accessible, without the requirement for a PC, from clear front panel LED indication
- **Fully configurable through HARMAN HiQnet™ Software**
- **12 Control Inputs and 6 Logic Outputs**
allow the processors to be integrated with GPIO compatible devices
- **Fault tolerant digital audio bus of 256 channels**



SOUNDWEB™ LONDON 100 SERIES

FIXED I/O SIGNAL PROCESSORS WITH BLU LINK

YOUR SOLUTION

for install venues

The Soundweb London 100 Series devices offer a fixed configuration of inputs and outputs. The analog inputs of the devices provide software configurable gain in 6dB steps up to +48dB per channel and software selectable Phantom Power per channel. Phantom Power, Signal Present and Clip information per channel is easily accessible, without the requirement for a PC, from clear front panel LED indication.

The Soundweb London 100 Series devices feature configurable signal processing and logic processing. The signal path between the inputs and outputs can be completely tailored to an application, and all of the processing objects and logic objects used in larger Soundweb London systems are made available to designers within the 100 Series.

- **Acoustic Echo Cancellation algorithm**
(BLU-101 and BLU-102 devices)
- **12 AEC algorithms**
(BLU-101 device)
- **8 AEC algorithms**
(BLU-102 device)
- **Fault tolerant digital audio bus of 48 channels**

[PLEASE VISIT **BSSAUDIO.COM** FOR SPECS AND FULL PRODUCT COMPARISON CHART]

| DEVICE | FEATURE |
|---------|----------------------------------------------------------|
| BLU-100 | BLU link |
| BLU-101 | AEC Processing BLU link |
| BLU-102 | Analog Telephone Interface AEC Processing BLU link |



BLU-50

FIXED I/O SIGNAL PROCESSOR WITH BLU LINK

HALF-RACK PROCESSING

for install venues

The BLU-50 is a half-rack width processor that offers a fixed configuration of four inputs and four outputs, configurable signal processing, logic processing and BLU link. The device can be powered with the included 12VDC power supply but can accept 12-48VDC via a terminal block connector. The BLU-50 can also be powered with PoE+ via the Ethernet port, allowing the device to be powered, configured, controlled and monitored using a single Cat 5e cable.

The analog inputs of the BLU-50 provide software configurable gain in 6dB steps up to +48dB per channel and software selectable Phantom Power per channel. Phantom Power, Signal Present and Clip information per channel is easily accessible, without the requirement for a PC, from clear front panel LED indication.

The BLU-50 features BLU link, a low latency, fault tolerant digital audio bus of 48 channels, which uses standard Category 5e cabling giving a distance of 100m between compatible devices. Fiber media converters can be used to increase the distance between devices to over 10km (6.2 miles) using single mode fiber.

The BLU-50 is configured, controlled and monitored from HiQnet Audio Architect™ or HiQnet London Architect™ and is compatible with other members of the Soundweb London family. Its 48 channel BLU link bus represents channels 1-48 of the larger 256 channel BLU link bus when integrated with the BLU-800, BLU-320, BLU-160, BLU-120, BLU-BIB and BLU-BOB devices. Up to 60 BLU link compatible devices can share channels on a single bus.

- **Four analog inputs**
(with 48v Phantom Power per Channel)
- **Four analog outputs**
- **Configurable signal processing**
- **Rich palette of processing and logic objects**
- **48 channel, low latency, fault tolerant digital audio bus**
- **Clear front panel LED indication**
- **Bi-directional locate functionality**
- **12 control inputs and 6 logic outputs**
for GPIO integration
- **Soundweb London interface kit**
for third party control system integration
- **HiQnet device**
- **Configuration, control and monitoring**
from HiQnet London Architect
- **12-48VDC or PoE+ powering options**
(12VDC power supply included)
- **Rack mount, surface mount and desk mount installation options**



SOUNDWEB™ CONTRIO SERVER

SYSTEM CONTROL SERVER

FULLY CONFIGURABLE

for install venues

At just 1U rack space, the Soundweb Contrio server is a headless system controller device fully configurable with HiQnet Audio Architect™ software. Backwards-compatible with BSS Audio's Soundweb London family, the Soundweb Contrio server is the first product within the new Soundweb Contrio family that will ultimately provide enhanced processing capability and greater flexibility for a variety of applications.

The Soundweb Contrio server enables comprehensive system control logic configuration, both with a similar 'wiring' design environment as exposed in Audio Architect for existing Soundweb London devices, and a new open scripted Lua environment. The overall system is made even more efficient by running a logic system separate from the audio devices, which frees up processing capability and reduces the amount of hardware required.

The server includes a system self-healing functionality. By monitoring the Ethernet switch and ports to which all devices are connected, a day-to-day operator need only replace a device on the same switch port and the server will automatically remotely configure all the addressing and configuration of the new device to match the old. In this way, it is not necessary to launch a software application to add replacement devices to the system.

The Soundweb Contrio server supports both HARMAN BLU link and Audinate Dante™ audio transports so that it can fit appropriately with a variety of system configurations. In addition to its ability to recall system-wide presets, the event scheduler enables message playback over the audio network.

- 1U rack space
- Solid-state drive
- HiQnet™ compatible
- Backward-compatible with BSS Audio's Soundweb London family of products

INPUT/OUTPUT CARDS



ANALOG INPUT CARD

The Soundweb™ London Analog Input Card is designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160, BLU-120, BLU-80*, BLU-32* and BLU-16* devices. This analog card enables Soundweb London devices to receive microphone / line level signals.



ANALOG OUTPUT CARD

The Soundweb London Analog Output Card is designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160, BLU-120, BLU-80*, BLU-32* and BLU-16* devices. This analog card enables Soundweb London devices to send line level signals.



DIGITAL INPUT CARD

The Soundweb London Digital Input card is designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160, BLU-120, BLU-80*, BLU-32* and BLU-16* devices. These digital cards enable Soundweb London devices to receive AES/EBU and S/PDIF audio signals.



DIGITAL OUTPUT CARD

The Soundweb London Digital Output card is designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160, BLU-120, BLU-80*, BLU-32* and BLU-16* devices. These digital cards enable Soundweb London devices to receive AES/EBU and S/PDIF audio signals.



AEC CARD

The Soundweb London Acoustic Echo Cancellation (AEC) Input Cards are designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160 and BLU-120 devices. These AEC Input Cards enable Soundweb London devices to cancel acoustic echo arising when sound from a loudspeaker enters a microphone in the same room in a conference application.



TELEPHONE HYBRID CARD

The Soundweb London Telephone Hybrid Cards are designed to populate any of the four card slots on Soundweb London BLU-800, BLU-805, BLU-806, BLU-320, BLU-325, BLU-326, BLU-160 and BLU-120 devices. These cards enable Soundweb London devices to interface with a standard POTS (aka PSTN or Analog PBX) telephone network.

*discontinued

SOUNDWEB™ CONTRIO CONTROLLERS

ENHANCED SYSTEM CONTROL

for install and studio

The Soundweb Contrio controllers are available in black or white and Decora or EU shapes to fit elegantly within surroundings.

The two analog controllers (AC) use an analog (two wire) connection to Control Inputs of Soundweb. The four Ethernet controllers (EC) are powered via PoE (Power over Ethernet). This means that power and control is passed over a single connected Ethernet cable.

In addition to being able to control Soundweb London parameters, the Ethernet Contrio controllers are able to control other HiQnet devices, including the Crown DriveCore™ Install series amplifiers.

The Ethernet Contrio controllers have various mixes of multi-color buttons, corresponding multi-color screen positions and multi-color encoder rings. Eight unique colors (red, yellow, green, cyan, blue, magenta, white and amber) can be used to signify different zones and their associated parameters. The maximum intensity of the LEDs can be adjusted to suit ambient light levels.

A dimly illuminated button indicates an available source, preset or parameter. A brightly illuminated button indicates a currently selected source, preset or parameter. Sources, presets and parameters are represented in the appropriate zone color.

Normally, the light ring will show a program meter for the currently selected zone. When a volume adjustment is made, the light ring will show the volume level in the appropriate zone color. After a timeout, the light ring returns to showing the program meter. On / off color states can be assigned to the push function. The first push of the knob will show the current state of the assigned parameter on the whole light ring and any subsequent push will toggle the state of the parameter.

After a specified amount of time with no user input, the Ethernet Contrio controllers can turn off all LEDs. This is useful to avoid distraction in a dimly lit environment. Any user interaction will 'wake up' the controller.

The Ethernet Contrio controllers can be locked during the Sleep Function or at any other time. A 4-digit PIN must be entered in order to unlock a controller.

The EC-4BV and EC-8BV controllers have multiple modes of operation, allowing operation to be tailored to the requirements of each application.



AC-V

ANALOG CONTROLLER
WITH VOLUME

- Available in Black or White and US Decora or EU Versions



AC-5S

ANALOG CONTROLLER
WITH 5 SOURCES

- Available in Black or White and US Decora or EU Versions



EC-V

ETHERNET CONTROLLER
WITH VOLUME

- Available in Black or White and US Decora or EU Versions



EC-4B

ETHERNET CONTROLLER
WITH 4 BUTTONS

- Available in Black or White and US Decora or EU Versions



EC-4BV

ETHERNET CONTROLLER
WITH 4 BUTTONS
AND VOLUME

- Available in Black or White and US Decora or EU Versions



EC-8BV

ETHERNET CONTROLLER
WITH 8 BUTTONS AND VOLUME CONTROL

- Available in Black or White and US Decora or EU Versions

EC-8BV FEATURES

- Ethernet connectivity
- HiQnet™ compatible
- PoE powering
- Multiple modes of operation
- 8 Unique LED colors
- Zone coloring
- Continuous control with value indication
- Push control with state indication
- Program meter
- Variable intensity
- Current selection indication
- Sleep function
- Lockout

WALL CONTROLLERS



BLU-10

PROGRAMMABLE
CONTROLLER



BLU-8v2

PROGRAMMABLE
ZONE CONTROLLER



BLU-3

WALL MOUNT
CONTROLLER

- Touch Screen Display
- Power Over Ethernet
- Control In: Ethernet
- Drag and Drop programming interface

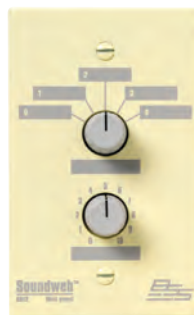
- Two rotary encoders, five push buttons
- Power Over Ethernet
- Control In: Ethernet
- 9-segment LED meter, RGB LEDs

- 5-position source/preset select, level
- Control In: Analog (two-wire)
- Rotary fader and five way switch



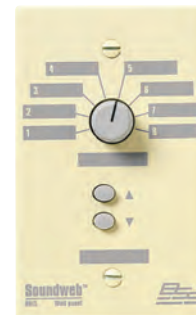
BLU-6

WALL MOUNT
CONTROLLER



SW9012US

WALL PANEL



SW9015US

WALL PANEL

- 8-position source/preset select, up/down buttons
- Control In: Analog (two-wire)
- Rotary fader and five way switch

- 5-position source/preset select, level
- Control In: Analog (two-wire)

- 8-position source/preset select, up/down buttons
- Control In: Analog (two-wire)



BLU-BIB BREAK-IN BOX INPUT EXPANDER

The Soundweb™ London BLU-BIB or “break-in box” offers eight channels of analog audio input expansion via the Soundweb London high bandwidth, fault tolerant digital audio bus. The BLU-BIB input channels are easily configured by six DIP switches located on the rear of the device, which select consecutive channels in groups of eight.

- **8 analog audio inputs**
- **Standard terminal block connectors** for analog audio connections
- **DIP switches** for channel Range Selection



BLU-BOB1 BREAK-OUT BOX OUTPUT EXPANDER

The Soundweb London BLU-BOB1 or “break-out box” offers eight channels of analog audio output expansion via the Soundweb London high bandwidth, fault tolerant digital audio bus. The BLU-BOB1 output channels are easily configured by six DIP switches located on the rear of the device, which select consecutive channels in groups of eight.

- **8 analog audio outputs**
- **Standard terminal block connectors** for analog audio connections
- **DIP switches** for channel range selection



BLU-BOB2 BREAK-OUT BOX OUTPUT EXPANDER

The Soundweb London BLU-BOB2 or “break-out box” offers eight channels of analog audio output expansion via the Soundweb London high bandwidth, fault tolerant digital audio bus. The BLU-BOB2 output channels are easily configured by six DIP switches located on the rear of the device, which select consecutive channels in groups of eight.

- **8 analog audio outputs**
- **Standard terminal block connectors** for analog audio connections
- **DIP switches** for channel range selection



BLU-GPX GENERAL PURPOSE I/O EXPANDER

The Soundweb London BLU-GPX is a network-controlled GPIO expander which facilitates the cost-effective addition of Control Inputs, Logic Outputs, and Relays to systems requiring extra analog control/interfaces capability. The BLU-GPX features the same rich palette of Logic Objects found in other Soundweb London devices, two PoE-enabled Ethernet ports for communications and primary power, a 12VDC power connector for secondary power, an RS-232 port for compatibility with serial devices, locate functionality, and more.

- **36 control inputs (GPI)**
- **23 logic outputs (GPO)**
- **48 user-configurable LEDs (front panel)**
- **User-configurable LCD (front panel)**



PIP-BLU

PROGRAMMABLE INPUT PROCESSOR

The PIP-BLU is used to add Soundweb™ London digital audio bus functionality



BLU-MC1

FIBER OPTIC MEDIA CONVERTER

The MC-1 is a Gigabit Media Converter which provides transport up to 10 km (6.2 miles).



BLU-HIF

TELEPHONE HEADSET INTERFACE

The BLU-HIF facilitates connection of the headset jack of a VoIP/digital phone to an AEC input and analog output of a Soundweb London device.

- **Add digital audio bus functionality** to Crown CTs 2-channel amplifiers (CTs 600, 1200, 2000, 3000)
- **Remote control and monitor** using HiQnet™

- **Gigabit media conversion**
- **Automatic link restoration**
- **External 12V DC power supply**

- **RJ-22 jack for connection to headset jack of VoIP/Digital phone**
- **2.5mm jack for alternate connection to cellular phone with TRS headset jack**



BLU-SI

BLU LINK CARD FOR SOUNDCRAFT SI SERIES

The BSS Audio BLU-SI card is a 32 x 32 interface between Soundcraft Si Series consoles and the BLU link digital audio bus.



AR-133

ACTIVE DI BOX / LINE BALANCER

The AR-133 is a single channel DI box with high input impedance. The AR-133 can be used with guitar, keyboards, DJ mixers, link outputs, and other electronic sources. The AR-133 can also be used as an active balancing device.

- **Works with all Soundcraft Si mixers** including the Expression Series 32x32 Channels
- **Select sequential banks of 32 BLU link Channels**



Soundcraft
Si Expression

- **Includes phantom power and battery supplies**
- **1/4" jack sockets and an XLR socket input**
- **Uninterrupted Power**
Should the phantom power from the console fail or accidentally switch off, the AR-133 automatically switches over to the internal 9V battery



FCS-960 DUAL MODE GRAPHIC EQUALIZER

The FCS-960 is the graphic EQ of choice among some of the biggest names in the touring business. Dual mode operation accommodates both Wide Q for Room Contouring (to find the smoothest response) and Narrow Q for monitoring (to “notch out” particular frequencies) on each channel. The FCS-960 provides two channels in 3U of rack space. Constant Q-filters with filter-bypass center taps are controlled by high grade, 45mm faders with molded polymer fader knobs. These prominent knobs eradicate visual parallax error even under low light conditions.

- 2 XLR input and output connectors
- EQ Bands: 30 per channel (60 total)
- Metering: +18dBu Peak Indicator (LED)
- EQ Gain: - inf to +10dB



FCS-966 CONSTANT Q GRAPHIC EQUALIZER

Graphic equalizers are found in just about every sound application, from room contouring to feedback control and general audio sweetening. Traditionally, much general equalization takes place on the faders alone, but this restricts the use of the faders at each end of the scale for further precision EQ work. So BSS Audio provides the FCS-966 with separate LF and HF contour filters, which can change an overall sound balance without disturbing a detailed room or loudspeaker response. These gentle boost and cut shelving filters can be used to add or remove room effects that change with temperature, audience numbers or humidity. All these effects can be easily made without disturbing the critical fader settings already made.

- 2 XLR, TRS Combicon input/outputs
- EQ Bands: 30 per channel (60 total)
- Metering: 8-segment LED per channel

SL

SOUNDWEB™ LONDON

CONFIGURABLE PROCESSORS

| FRONT PANEL LED INDICATORS | |
|----------------------------|---------------------------------------------------------------------------------|
| Per Input | Signal Present, CLIP, SYNC/48, I/O card type (IN, OUT DIG) |
| Other | LCD Display, Conductor active, Net Link active, Data Activity |
| ANALOG INPUTS | |
| Mic/Line Inputs | Up to 16 electronically balance on Phoenix/Combicon removable screw connectors |
| Input Impedance | Normal gain 0dB, electronically switchable up to +48dB, in +6dB steps |
| Input Impedance | 3.5k Ω |
| Maximum Input Level | +20dBu with 0dB input gain, +8dBu with 12dB gain |
| CMRR | >75dB at 1KHz |
| Input Noise (E.I.N.) | <-128dBu typical with 150 Ω source |
| Phantom Power | 48V nominal, selectable per input |
| A/D Latency | 38.7/Fs |
| DIGITAL INPUTS | |
| | Up to 16 AES/EBU or S/PDIF on Phoenix/Combicon removable screw connectors |
| Input Impedance | 110 Ω (AES/EBU), 75 Ω (S/PDIF) |
| Sample Rate | 48kHz or 96kHz |
| Sample Rate Conversion | 8kHz-96kHz |
| THD+N | -140dB |
| Latency | 3/Fso + (56.581/Fsi) + (55.658/Fso) |
| ANALOG OUTPUTS | |
| | Up to 16 electronically balanced on Phoenix/Combicon removable screw connectors |
| Maximum Output Level | +19dBu |
| Frequency Response | 15Hz-20KHz (+0.5dB/-1dB) |
| THD | <0.01% 20Hz to 20KHz, +10dBu output |
| Dynamic Range | 108dB typical, 22Hz-22KHz unweighted |
| Crosstalk | <-75dB |
| D/A Latency | 28/Fs |
| DIGITAL OUTPUTS | |
| | Up to 16 AES/EBU or S/PDIF on Phoenix/Combicon removable screw connectors |
| Input Impedance | 110 Ω (AES/EBU), 75 Ω (S/PDIF) |
| Sample Rate | 48kHz or 96kHz |
| Sample Rate Conversion | 8kHz-96kHz |
| THD+N | -140dB |
| Latency | 3/Fso + (56.581/Fsi) + (55.658/Fso) |
| CONTROL PORTS | |
| 12 INPUTS AND 6 OUTPUTS | |
| Control Input Voltage | 0 to 4.5v |
| Control Input Impedance | 4.7k Ω to +5V (2-wire mode), >1M Ω (3-wire mode) |
| Logic Output Voltage | 0 or +5V unloaded |
| Logic Output Impedance | 440 Ω |
| Logic Output Current | 10mA source, 60mA sink |
| WATCHDOG OUTPUT | |
| | Phoenix/Combicon connector for fail-safe control |
| Opto Output Current | 14mA maximum |
| Withstanding Voltage | 80V maximum (off) |
| Series Impedance | 220 Ω (isolated) |

SL

SOUNDWEB™ LONDON.....continued

CONFIGURABLE PROCESSORS

CONTROL NETWORK (ALL MODELS)

| | |
|----------------------|-------------------------------------------------------------------|
| Connectors | RJ45 Ethernet connector |
| Maximum Cable Length | 100m/300ft on Category 5 cable between device and Ethernet switch |

POWER AND DIMENSIONS

| | |
|-----------------------------|------------------------------------------------------------------|
| Mains Voltage | 85-270 AC, 50/60Hz |
| Power Consumption | <35VA |
| BTU Rating | <120 BTU/hr |
| Operating Temperature Range | 5 (41) to 35 (95) degrees C (degrees F) |
| Dimensions | (h (U) x w x d): 1.75" (iU) x 19" x 11.3" (45mm x 483mm x 287mm) |
| Weight | 18.6 lbs / 8.4kgs (estimated) |

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SOUNDWEB LONDON 100 SERIES

FIXED I/O PROCESSORS

FRONT PANEL LED INDICATORS

| | |
|-------------------------|---------------------------------------------------------------------------|
| Per Input | Signal Present, CLIP, 48V (input only) |
| Other | COM, STAT, ERR, PWR |
| Analog Inputs | 12 electronically balanced on Phoenix Combicon removable screw connectors |
| Mic/Line Inputs | Nominal gain 0dB, electronically switchable up to +48dB, in +6dB steps |
| Input Impedance | 3.5k Ω |
| Maximum Input Level | +20dBu with 0dB input gain, +8dBu with 12dB gain |
| CMRR | >75dB at 1KHz |
| Input Noise (E.I.N.) | <-128dBu typical with 150 Ω source |
| Phantom Power | 48V nominal, selectable per input |
| A/D Latency | 37/Fs [0.77ms@48k] |
| Analog Outputs | 8 electronically balanced on Phoenix/Combicon removable screw connectors |
| Maximum Output Level | +19dBu |
| Frequency Response | 20Hz-20KHz (+0.5dB/-1dB) |
| THD | <0.01% 20Hz to 20KHz, +10dBu output |
| Dynamic Range | 108dB typical, 22Hz-22KHz unweighted |
| Crosstalk | <-75dB |
| Output Impedance | 40 Ω balanced and 20 Ω unbalanced |
| D/A Latency | 29/Fs [0.60ms@48k] |
| Control Ports | 12 inputs and 6 outputs |
| Control Input Voltage | 0 to 4.5v |
| Control Input Impedance | 4.7k Ω to +5V (2-wire mode), >1M Ω (3-wire mode) |
| Logic Output Voltage | 0 or +5V unloaded |
| Logic Output Impedance | 440 Ω s |
| Logic Output Current | 10mA source, 60mA sink |

SL

SOUNDWEB™ LONDON 100 SERIES.....continued

FIXED I/O PROCESSORS

| | |
|-----------------------------|-------------------------------------------------------------------------|
| Watchdog Output | Phoenix/Combicon connector for failsafe control |
| Opto Output Current | 14mA maximum |
| Withstanding Voltage | 80V maximum (off) |
| Series Impedance | 220Ω (isolated) |
| CONTROL NETWORK | |
| Connectors | RJ45 Ethernet connector |
| Maximum Cable Length | 100m/300ft on Category 5 cable between device and Ethernet switch |
| BLU LINK | |
| Connectors | 2 X RJ45 Ethernet connectors |
| Maximum Cable Length | 100m/300ft on Category 5 cable between devices, Max Number of Nodes: 60 |
| Latency | 11 / Fs [0.23ms@48k] |
| Pass Through Latency | 4/Fs [0.08ms@48k] |
| POWER AND DIMENSIONS | |
| Mains Voltage | 100-240V AC, 50/60Hz |
| Power Consumption | <55VA |
| BTU Rating | <188 BTU/hr |
| Operating Temp Range | 5 (41) to 35 (95) degrees C (degrees F) |
| Dims: (H(U) x W x D) | 1.75" (1U) x 19" x 9.0" (45mm x 483mm x 229mm) |
| Weight | 7.5 lbs / 3.4 kgs (estimated) |

| | DSP | BLU LINK | AEC | HYBRID |
|----------------|------------|-----------------|------------|---------------|
| BLU-100 | ✓ | ✓ 48 Ch. | X | X |
| BLU-101 | ✓ | ✓ 48 Ch. | ✓ 12 Ch. | X |
| BLU-102 | ✓ | ✓ 48 Ch. | ✓ 8 Ch. | ✓ |

PRODUCT SPECIFICATIONS
5
SL

BLU-50

FIXED I/O PROCESSOR

| | |
|-----------------------------------|-------------------------------------------------------------------------------|
| FRONT PANEL LED INDICATORS | |
| Per Input | Signal Present, CLIP, 48V (Input Only) |
| Other | COM, STAT, ERR, PWR |
| ANALOG INPUTS | |
| Mic/Line Inputs | 4 electronically balanced on Phoenix Mini Combicon removable screw connectors |
| Input Impedance | 3.5kΩ |
| Maximum Input Level | +20dBu with 0dB input gain, +8dBu with 12dB gain |
| CMRR | >45dB at 1KHz |
| Input Noise (E.I.N.) | <-128dBu typical with 150Ω source |
| Phantom Power | 48V nominal, selectable per input |
| A/D Latency | 38.7/Fs |

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BLU-50.....continued

FIXED I/O PROCESSOR

| | | |
|-----------------------------|--|-------------------------------------------------------------------------------|
| ANALOG OUTPUTS | | 4 electronically balanced on Phoenix Mini Combicon removable screw connectors |
| Maximum Output Level | | +20dBu |
| Frequency Response | | 20Hz-20KHz (+0.5dB/-1dB) |
| THD | | 0.005% typical at +4dBu 1kHz, 0dB input gain |
| Dynamic Range | | 110dB A-weighted, >107dB unweighted |
| Output Impedance | | 120Ω |
| Crosstalk | | <-100dB |
| D/A Latency | | 29/Fs |
| CONTROL PORTS | | |
| 12 INPUTS AND 6 OUTPUTS | | |
| Control Input Voltage | | 0 to 4.5v |
| Control Input Impedance | | 4.7kΩ to +5V (2-wire mode), >1MΩ (3-wire mode) |
| Logic Output Voltage | | 0 or +5V unloaded |
| Logic Output Impedance | | 440Ω |
| Logic Output Current | | 10mA source, 60mA sink |
| WATCHDOG OUTPUT | | Phoenix/Combicon connector for fail-safe control |
| Opto Output Current | | 14mA maximum |
| Withstanding Voltage | | 80V maximum (off) |
| Series Impedance | | 220Ω (isolated) |
| CONTROL NETWORK | | |
| Connectors | | RJ45 Ethernet connector |
| Maximum Cable Length | | 100m/300ft on Category 5 cable between device and Ethernet switch |
| BLU LINK | | |
| Connectors | | 2 x RJ45 Ethernet connectors |
| Maximum Cable Length | | 100m/300ft on Category 5e cable between devices |
| Max Number of Nodes | | 60 |
| Latency | | 11/Fs [0.23ms@48k] |
| Pass Through Latency | | 4/Fs [0.08ms@48k] |
| POWER AND DIMENSIONS | | |
| Power Requirements | | 12-48VDC |
| Power Adapter | | 100-240VAC 50/60 Hz, 12VDC output |
| Power Consumption | | <55VA |
| BTU Rating | | <188 BTU/hr |
| Operating Temperature Range | | 5 (41) to 35 (95) degrees C (degrees F) |
| Dimensions | | (h (U) x w x d): 1.625" (iU) x 8.63" x 7.75" (41mm x 219mm x 197mm) |
| Weight | | 2.82 lbs / 1.28kgs (estimated) |

A

AR-133

ACTIVE DI BOX/LINE BALANCER

| SECTION | |
|-----------------------|------------------------------------------------------------------------------------|
| Input | 1M Ω (pad at 0dB), 47k Ω (pad at -20dB), 47k Ω (pad at -40dB) |
| Max Input Level | +9dBu (pad at 0dB), +29dBu (pad at -20dB), +49dBu (pad at -40dB) |
| Connectors | Two Parallel ¼" jacks, parallel XLR connector (unbalanced) |
| OUTPUT SECTION | |
| Output Transformer | Max Output Level +8dBu into 600 Ω or greater |
| Connector | XLR3-32 |
| GENERAL PERFORMANCE | |
| Distortion (THD) | < 0.005% at 1kHz, 0dBu output |
| Noise | <-105dB unweighted, 22Hz-22kHz* |
| Frequency | 30Hz to 20kHz, +0dB/-1dB |
| POWER AND DIMENSIONS | |
| Main / Standby Power | 9 volt PP3 type, battery preferably alkaline |
| Current Drain Phantom | <7.5mA; battery: <2mA |
| Phantom Power | +20 volts DC to +48 volts DC |
| Dimensions | 2.3" x 4.9" x 5.6" / 59 mm x 124 mm x 143 mm |
| Weight | 1.4 lbs / 650 gms, excluding batteries |

* Noise measured relative to maximum output.

960

FCS-960

DUAL MODE GRAPHIC EQUALIZER

| INPUTS | |
|------------------------------|----------------------------------------|
| Impedance | 10k Ω , electronically balanced |
| Max Input Level | +20dBu |
| Connector | XLR3-31 |
| OUTPUT SECTION | |
| Output | Electronically balanced and floating |
| Max Output Level | +20dBu into 600 Ω |
| Connector | XLR3-32 |
| SYSTEM PERFORMANCE | |
| Frequency Response | \pm 0.25dB 20Hz-20kHz |
| Distortion (THD) | <0.005% 20Hz-20kHz @ +4dBu |
| Output Noise | <-93dBu 22Hz-22kHz unweighted |
| Channel Separation (FCS-960) | >80dB from 20Hz-20kHz |
| Gain Control Range | \pm 10dB |
| Peak Indicator | +18dBu |
| Bypass | Passive fail-safe bypass relay |
| Filter | MFB Constant Q type |

960

FCS-960.....continued

DUAL MODE GRAPHIC EQUALIZER

POWER AND DIMENSIONS

| | |
|--------------------|--------------------------------------------|
| Power Requirements | 50/60Hz, 90V-264V |
| Power Consumption | < 00VA |
| Dimensions (HxWxD) | 00" x 19" x 00" 000mm x 483mm x 000mm |
| Weight | 6.6 lbs / 3 kg (estimated) |

966

FCS-966

CONSTANT Q GRAPHIC

INPUT SECTION

| | |
|-----------------|----------------------------------------|
| Input Impedance | 10k Ω , electronically balanced |
| Max Input Level | >+20dBu |
| CMRR | >-40dB @1kHz |

OUTPUT SECTION

| | |
|------------------|----------------------------------------|
| Output Impedance | <50 Ω , electronically balanced |
| Max Output Level | >+20dBu into 600 Ω |

FILTERS

| | |
|-----------------|-----------------------------------------|
| HP Filter | OUT to 250Hz @ 12dB/octave |
| LF Contour | \pm 6dB shelving @ 50Hz 6dB/octave |
| HF Contour | \pm 6dB shelving @ 14kHz 6db/octave |
| Frequency Bands | \pm 15dB on ISO centers with a Q of 4 |

GENERAL PERFORMANCE

| | |
|--------------------|----------------------------------------------|
| Frequency Response | 5Hz to 45kHz \pm 1dB |
| Distortion | <0.005%THD (80kHz measurement BW) 20Hz-20kHz |
| Noise | <-94dBu 22Hz to 22kHz |
| Dynamic Range | > 115dB |
| Gain Control Range | +10dB to ∞ |
| Crosstalk | >-80dB @1kHz |

POWER AND DIMENSIONS

| | |
|--------------------|--------------------------------------------|
| AC Power | 115/230V AC, 50/60Hz, 30VA |
| Dimensions (HxWxD) | 19" x 5.25" x 7.1" / 483mm x 134mm x 180mm |
| Weight | 6.6lbs / 3kgs |

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BSS Audio incorporates high quality mechanical fans in some products. All mechanical fans have a limited life expectancy. We recommend annual inspection of fans for dust occlusion and excessive noise. Fan assemblies should be replaced after six to ten years of use. Environmental factors such as elevated temperature, dust, and smoke can adversely affect fan life. Systems exposed to these conditions should be inspected more frequently. Fan replacement can be performed either at the factory or by an experienced technician in the field. Please contact BSS Technical Support for more information on purchasing replacement parts or product service. BSS Audio has a policy of continued product improvement and accordingly reserves the right to change features and specifications without prior notice.



PROFESSIONAL AUDIO SIGNAL PROCESSING

www.bssaudio.com



CROWN®
by **HARMAN**

FULL LINE CATALOG 2015



DRIVECORE™ INSTALL SERIES

FLAGSHIP ANALOG & NETWORK
INSTALL SERIES

INSTALLS ANYWHERE. OUTPERFORMS EVERYTHING.

analog and network amplifiers for install venues

The new DriveCore Install Series is a complete line of high performance installation amplifiers based on proprietary DriveCore technology. DCi Series amplifiers are designed, engineered and manufactured to the industry's highest quality standards, and provide system integrators with the advanced features and flexibility required for challenging 21st century installed sound applications. Versatile, compact and highly energy-efficient, DCi Series amplifiers continue the unbroken Crown tradition of leadership in professional and commercial power amplifier technology.

- **The next generation of PWM technology**
using cutting edge Class D amplifier topologies
- **True Rack Density**
power points of 300W or 600W in 2/4/8 channel configurations and 1250W in 2/4 channel configurations
- **Direct Drive "Constant Voltage" capabilities on a channel by channel basis for 70Vrms or 100Vrms amplification**
- **AUX Port**
provides additional flexibility for amplifiers to be integrated in control systems for remote on/off and amplifier fault monitoring
- **DriveCore includes five patents that are also included in Crown's flagship touring amplifier I-Tech 4x3500HD, providing best-in-class versatility and durability**

| MODEL | Channels | STEREO (per channel) | | | BRIDGE | |
|-------------------------|----------|----------------------|-------|-------|--------|---------|
| | | 2Ω | 4Ω | 8Ω | 70Vrms | 100Vrms |
| DCi2I300 or DCi2I300N | 2 | 150W | 300W | 300W | 300W | 300W |
| DCi4I300 or DCi4I300N | 4 | 150W | 300W | 300W | 300W | 300W |
| DCi8I300 or DCi8I300N | 8 | 150W | 300W | 300W | 300W | 300W |
| DCi 2I600 or DCi2I600N | 2 | 300W | 600W | 600W | 600W | 600W |
| DCi4I600 or DCi4I600N | 4 | 300W | 600W | 600W | 600W | 600W |
| DCi8I600 or DCi8I600N | 8 | 300W | 600W | 600W | 600W | 600W |
| DCi2I1250 or DCi2I1250N | 2 | 1250W | 1250W | 1250W | 1250W | 1250W |
| DCi4I1250 or DCi4I1250N | 4 | 1250W | 1250W | 1250W | 1250W | 1250W |

*Minimum Guaranteed Power (20Hz-20kHz)

*N denotes network



DRIVECORE™ INSTALL ND SERIES

FLAGSHIP NETWORK
DISPLAY INSTALL SERIES

INSTALLS ANYWHERE. OUTPERFORMS EVERYTHING.

network display amplifiers for install venues

The new DriveCore Install Series is a complete line of high performance installation amplifiers based on proprietary DriveCore technology. DCi Series amplifiers are designed, engineered and manufactured to the industry's highest quality standards, and provide system integrators with the advanced features and flexibility required for challenging 21st century installed sound applications. Versatile, compact and highly energy-efficient, DCi Series amplifiers continue the unbroken Crown tradition of leadership in professional and commercial power amplifier technology.

- **Audio Video Bridging (AVB)**
Ethernet transport ports
- **The next generation of PWM technology**
using cutting edge Class D amplifier topologies
- **Minimum Guaranteed Power Ratings**
- **Network & Control Features include:**
continuous load monitoring, comprehensive error reporting, pilot tone monitoring, and programmable GPIO ports
- **DSP features include:**
LevelMAX™ limiters, input and output delay, input and output EQ, signal generator and crossover

INSTALLED SOUND



| MODEL | Channels | STEREO (per channel) | | | BRIDGE | |
|-------------|----------|----------------------|-------|-------|--------|---------|
| | | 2Ω | 4Ω | 8Ω | 70Vrms | 100Vrms |
| DCi8I600ND | 8 | 300W | 600W | 600W | 1200W | 1200W |
| DCi4I1250ND | 4 | 1250W | 1250W | 1250W | 2500W | 2500W |

*Minimum Guaranteed Power (20Hz-20kHz)



COMTECH DRIVECORE™ SERIES PREMIUM SOUND QUALITY, LOW POWERED INSTALL SERIES

THE NEXT BIG THING IS SMALL

for small to medium install venues

ComTech DriveCore is ideal for installations that require premium sound quality, multi-channel configurations, compact dimensions, and quite often zero ambient fan noise. Typical applications include boardrooms, video and teleconferencing, VIP suites in stadiums and arenas, and upscale restaurants and retail outlets to name just a few. Representing next generation technology available today, the ComTech DriveCore proves without a doubt that big things really do come in small packages.

Energy efficiency is an integral part of ComTech DriveCore. This series debuts a new four-stage universal power supply that adapts to operating demands to assure peak efficiency. Normal, Green, Sleep, and Deep Sleep modes combine to provide everything from full voltage to the supply rails for instant response.

- **Flexible Input Routing**
- **Convection Cooled**
- **Universal Power Supply**
- **Integrated Life-Safety Features**
- **Up to 8x125W in 1U chassis with no fan**
- **DriveCore technology**
provides >90% efficiency with no compromise in performance
- **Amplifier is stable for 2Ω - 16Ω loads**
- **XFMR 4/8 needed for 70V/100V applications**

SPECIFICATIONS

| MODEL | Channels | 4Ω | 8Ω |
|---------------------------|----------|------|------|
| ComTech 475 | 4 | 75W | 75W |
| ComTech 875 | 4 | 75W | 75W |
| ComTech 4150 | 8 | 125W | 125W |
| ComTech 8150 | 8 | 125W | 125W |
| *Minimum Guaranteed Power | | | |



CTs SERIES (2-CHANNEL) LEGENDARY, INDUSTRY STANDARD INSTALL SERIES

THE INDUSTRY STANDARD

two-channel amplifiers for install venues

Crown's CTs Series amplifiers provide exceptional performance, flexibility and value for installed sound applications. CTs Series amplifiers feature independent selection of high and low impedance operation for a specific channel, plus power levels and features that were carefully chosen to match the requirements of fixed install design. Easy integration with HiQnet™ and CobraNet® allows CTs amplifiers to deliver a comprehensive lineup of monitoring and control features along with digital audio transport for an award-winning digital audio solution.

- **Direct constant-voltage (70V/140V/200V) or low-impedance (2Ω, 4Ω, 8Ω) operation**
- **Input sensitivity independently selectable for each channel**
- **TLC protection circuitry**
protects the amplifier from long-term excessive heat by subtly and dynamically reducing the gain only when necessary
- **Switchable high-pass filter for each channel**
provides low-frequency roll off to eliminate step down transformer saturation
- **Comprehensive array of indicators**
including Power and Data, along with Bridge, Ready, Signal, Clip, Thermal and Fault for each channel
- **Legendary Crown AB+B (Multi-Mode®) output topology in the CTs 600/1200 and Class I (BCA®) output topology in the CTs 2000/3000 offer the best in amplifier reliability**

| MODEL | STEREO (per channel) | | | | | BRIDGE | | | | |
|---------|----------------------|-------|-------|------|--------|--------|-------|-------|---------|---------|
| | 2Ω | 4Ω | 8Ω | 16Ω | 70Vrms | 4Ω | 8Ω | 16Ω | 140Vrms | 200Vrms |
| CTs600 | 150W | 300W | 300W | 300W | 300W | 300W | 600W | 600W | 600W | 600W |
| CTs1200 | 250W | 600W | 600W | 300W | 600W | 500W | 1200W | 1200W | 1200W | 1200W |
| CTs2000 | 1000W | 1000W | 1000W | 625W | 1000W | 2000W | 2000W | 2000W | 2000W | 2000W |
| CTs3000 | 1500W | 1500W | 1250W | 625W | 1500W | 3000W | 3000W | 2500W | 3000W | 3000W |



CTs SERIES (MULTI-CHANNEL) LEGENDARY, INDUSTRY STANDARD INSTALL SERIES

THE INDUSTRY STANDARD

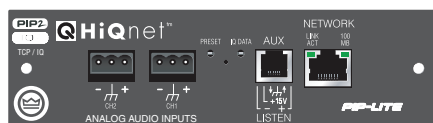
multi-channel amplifiers for install venues

Crown's CTs Series amplifiers provide exceptional performance, flexibility and value for installed sound applications. CTs Series amplifiers feature independent selection of high and low impedance operation for a specific channel, plus power levels and features that were carefully chosen to match the requirements of fixed install design. Easy integration with HiQnet™ and CobraNet® allows CTs amplifiers to deliver a comprehensive lineup of monitoring and control features along with digital audio transport for an award-winning digital audio solution.

- **Selectable constant-voltage (70V/100V) or low-impedance (4Ω/8Ω) operation for each channel pair**
- **FIT (Fault Isolation Topology) circuitry** isolates faults within affected channels
- **TLC protection circuitry** protects the amplifier from excessive heat
- **Comprehensive array of indicators** including Power and Data, along with Bridge, Ready, Signal, Clip, Thermal and Fault for each channel

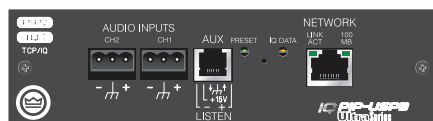
| MODEL | STEREO (all channels driven, 1kHz) | | | BRIDGE | | |
|---------|------------------------------------|------|--------|--------|------|---------|
| | 4Ω | 8Ω | 70Vrms | 8Ω | 16Ω | 100Vrms |
| CTs4200 | 260W | 180W | 220W | 520W | 400W | 220W |
| CTs8200 | 200W | 160W | 200W | 400W | 320W | 200W |

Installed PIP Cards



PIP-LITE

The Crown PIP-LITE is an input module for CTs 2 channel amplifiers. The PIP LITE connects to an audio control network via 100 Mb Ethernet. The audio path in the PIP-LITE is processed totally in the analog domain. The feature set offers a range of automation functions which provide greater control over amplifier operation and helps to save both time and money.



PIP-USP3CN

The Crown PIP-USP3/CN is a 3rd generation DSP-based PIP™ (Programmable Input Processor) input module for CTs 2 channel amplifiers*. It connects the amplifier to a 100 MB Ethernet network allowing it to be remotely controlled and monitored. In addition, the USP3/CN allows the transport of real-time digital audio via CobraNet® over the same Ethernet network.



PIP-BLU

The BSS & Crown PIP-BLU is a PIP input module for CTs 2 Channel Amplifiers (CTs 600,1200, 2000, 3000). It connects the amplifier to a 100 Mb Ethernet network allowing it to be remotely controlled and monitored using HiQnet™ London Architect® as well as providing digital audio transport via BLU link.



PIP-USP4CN

The Crown PIP-USP4 is a 4th generation DSP-based PIP input module for CTs Series two channel amplifiers. The USP4 connects to an Ethernet network allowing it to be remotely controlled and monitored via HiQnet, Audio Architect® or London Architect®. In addition, the USP4 allows the transport of real-time digital audio via AES3 and CobraNet. DSP included BSS OMNIDRIVE™ Processing with LevelMAX™ plus FIR level processing.

*Must be ordered with amplifier.



CDi SERIES

INTUITIVE, VERSATILE
INSTALL SERIES

VERSATILE POWER

for cost-effective install venues

Crown's CDi Series amplifiers are professional tools designed and built for installed sound applications. This series includes four models which are identical except for output power: CDi 1000, CDi 2000, CDi 4000, and CDi 6000. Each model is rugged and lightweight, and offers unmatched value in its class.

- **Onboard digital signal processing**
includes crossovers, EQ filters, delay, and output limiting
- **USB monitoring and control**
- **Accurate, uncolored sound with very low distortion**
for the best in music and voice reproduction
- **Extremely versatile; rated for 2Ω, 4Ω, 8Ω loads and 70V and 140V outputs**
- **Advanced protection circuitry guards against:**
shorted outputs, open circuits, DC, mismatched loads, general overheating, high-frequency overloads and internal faults
- **Intuitive front-panel LCD screen**
for quick, easy configuration
- **Switch-mode universal power supply**

| MODEL | STEREO (per channel) | | | | BRIDGE | | |
|---------|----------------------|-------|-------|--------|--------|-------|---------|
| | 2Ω | 4Ω | 8Ω | 70Vrms | 4Ω | 8Ω | 140Vrms |
| CDi1000 | 700W | 500W | 275W | 500W | 1400W | 1000W | 1000W |
| CDi2000 | 1000W | 800W | 475W | 800W | 2000W | 1600W | 1600W |
| CDi4000 | 1600W | 1200W | 650W | 1000W | 3200W | 2000W | 2000W |
| CDi6000 | 3000W | 2100W | 1200W | 2500W | 6000W | 4200W | 5000W |



XLC SERIES

BASIC, RELIABLE,
POWERFUL SOLUTION

BEHIND THE SCENES

for small to medium install venues

A powerful and affordable option for small to medium install applications, the XLC Series is only available to contractors through HARMAN's Install Dealer Network. Available in two models, the XLC2500 and XLC2800 incorporate Crown's DriveCore™ technology, which reduces the amplifiers' size, while yielding more energy efficient operation – without sacrificing performance. Compact, powerful and cost-effective, the XLC Series provides ease of installation, outstanding sound quality and the unwavering reliability inherent in every Crown product.

- **High performance**
lightweight DriveCore based amplifier for audiophile quality and extremely high reliability
- **Basic front panel indicators**
for Power, Signal, Clip, and Fault
- **Minimal front panel control; gain and amplifier configuration control located on the rear panel of amplifier**
- **Amplifier is rated for 2Ω, 4Ω and 8Ω output operation**
- **Input and output configuration:**
Stereo and parallel

| MODEL | STEREO (per channel) | | | BRIDGE |
|---------|----------------------|------|------|--------|
| | 2Ω | 4Ω | 8Ω | 8Ω |
| XLC2500 | 775W | 500W | 300W | 1000W |
| XLC2800 | 1200W | 775W | 440W | 1550W |



COMMERCIAL MIXERS

HIGH VALUE, LOW COST
COMMERCIAL AUDIO SERIES

SIMPLISTIC SOUND

for commercial and industrial use

The Crown 14M and 28M are high-value mixers for commercial and industrial audio. The mixers are part of Crown's Commercial Audio Series, which also includes mixer-amplifiers and power amplifiers.

These low-cost units provide all necessary features in a simple building-block format. Applications include schools, hospitals, factories, restaurant/retail, houses of worship, fitness facilities, A/V boardrooms, correctional facilities, and small offices. Typical uses are paging, background music, security and evacuation instructions. Input routing allows each input to be assigned to any output. You can add more mixers for more inputs, or add more power amps (or mixer-amps) to handle more zones. Other features include priority muting and phantom power.

- 4 or 8 inputs, 1 or 2 output channels
- **Balanced Phoenix-type mic/line inputs and RCA inputs**
- **Cascading inputs for added flexibility**
- **Priority muting**
- **Independent bass and treble controls for each input**

See the JBL Commercial section for new mixer options.

| | SPECIFICATIONS |
|----------------------------------|-----------------------------------------------------|
| 14m & 28m | |
| Frequency Response (at line out) | 20Hz to 20kHz +/- 1 dB |
| Signal to Noise Ratio | 100 dB |
| THD | 0.05% typical with 800 mV balanced input, 1V output |
| Crosstalk | -50dB at 1kHz |



COMMERCIAL MIXER-AMPS

HIGH VALUE, LOW COST
COMMERCIAL AUDIO SERIES

SIMPLISTIC SOUND

for commercial and industrial use

Crown's Commercial Audio mixer-amplifiers deliver legendary Crown quality to the commercial audio industry. These high-value mixer-amplifiers provide both 4 Ω and 8 Ω and constant-voltage outputs (70Vrms and 100Vrms) for use in a wide range of commercial applications including schools, hospitals, factories, restaurant/retail, houses of worship, fitness facilities, A/V boardrooms, correctional facilities, and small offices. Easily configured for a range of uses such as paging, background music, security, and evacuation instructions, Crown's Commercial Audio units are the smart choice for commercial sound.

See the JBL Commercial section for the new Crown DriveCore™ based mixer-amplifier options.

- Ideal for paging, background music, and music-on-hold
- Balanced Phoenix-type mic/line input, telephone output, dual RCA stereo music inputs, screw-terminal speaker outputs
- Priority muting
- Bass and treble controls on master output
- 3 inputs (each with a volume control), and one 35W amplifier output channel in 135MA
- 4 inputs (each with a volume control), and one 60W amplifier output channel in 160MA

| MODEL | MINIMUM GUARANTEED POWER | |
|--------|------------------------------|------------------------------|
| | 4 Ω or 70Vrms/100Vrms | 8 Ω or 70Vrms/100Vrms |
| 180MA | 80W per channel | |
| 280MA | 80W per channel | |
| 1160MA | 160W per channel | |
| 135MA | | 35W |
| 160MA | | 60W |



COMMERCIAL AMPLIFIERS

HIGH VALUE, LOW COST
COMMERCIAL AUDIO SERIES

POWER ZONE

for commercial and industrial use

The Crown 180A, 280A and 1160A are high-value amplifiers for commercial and industrial audio applications. They provide 4 Ω and constant-voltage outputs (70Vrms and 100Vrms). These amps are part of Crown's Commercial Audio Series, which also includes mixers and mixer-amps. These low-cost units provide all of the necessary features in a simple building-block format, allowing you to easily get the whole system up and running.

See the JBL Commercial section for the new Crown DriveCore™ based amplifier options.

- 1 or 2 inputs, 1 or 2 amplifier output channels
- **Balanced Phoenix-type line inputs; touch-proofed screw-terminal speaker outputs**
- **Advanced protection system**
includes output current limiting, DC protection, circuit breaker/fuse, and thermal protection
- **180A has 1 input and one 80W power amplifier for single-zone systems**
- **280A has 2 inputs and one 80W power amplifier for two-zone systems**
- **1160A has 1 input and one 160W power amplifier for single-zone systems**

| MODEL | MINIMUM GUARANTEED POWER |
|-------|------------------------------|
| | 4 Ω or 70Vrms/100Vrms |
| 180A | 80W |
| 280A | 80W |
| 1160A | 160W |



XLS DRIVECORE™ SERIES

HIGH TECHNOLOGY, HIGH VALUE
PORTABLE PA SERIES

RUN THE SHOW

for portable live sound systems

The XLS DriveCore Series of power amplifiers from Crown define the standard for live sound systems with unmatched performance, technology, and affordability.

This high-performance line consists of four models, each providing enormous power and flexibility thanks to the integrated PureBand™ Crossover System and Peak_x™ Limiters. And weighing in at only 11 lbs or less, they provide the ultimate in lightweight portability.

Generating chest-thumping lows and crystal clear highs, the four models in the series – the XLS 1000, XLS 1500, XLS 2000, and XLS 2500 – are engineered to meet any demanding audio requirements – reliably and within budget.

- **High performance Class D amplifier**
weighs less than 11 lbs (5 kgs)
- **Contains Crown's proprietary DriveCore technology**
- **Integrated PureBand™ Crossover system**
ensures seamless transitions from low to high frequency drivers
- **Integrated Peak_x™ Limiters**
provide maximum output while protecting your speakers
- **XLR, 1/4", RCA Inputs**
ensure compatibility with any source
- **1/4" inputs can be used as loop-throughs to distribute signal to additional amplifiers**

PORTABLE PA



| MODEL | STEREO (per channel) | | | BRIDGE | |
|---------|----------------------|------|------|--------|-------|
| | 2Ω | 4Ω | 8Ω | 4Ω | 8Ω |
| XLS1000 | 550W | 350W | 215W | 1100W | 700W |
| XLS1500 | 775W | 525W | 300W | 1550W | 1050W |
| XLS2000 | 1050W | 650W | 375W | 2100W | 1300W |
| XLS2500 | 1200W | 775W | 440W | 2400W | 1550W |



XTi 2 SERIES

HIGH POWER, MAXIMUM CONTROL
PORTABLE PA SERIES

ROCK THEIR WORLD. SIMPLIFY YOURS.

for portable live sound systems

With innovations such as universal power supply and a fully integrated suite of speaker processing tools, the XTi 2 Series are at the top of their class when it comes to thermal efficiency and system flexibility. The addition of Peak_x Plus™ Limiters gives you full command over threshold, attack and release, and we enhanced the Subharmonic Synth so you can easily manage frequency, gain and filter type, allowing for application-specific tuning.

Plus, you'll be able to tailor fan speed for specific applications and have software visibility of the Power Supply Temperature and AC Line Voltage. Combine all of that with integrated cast-aluminum rack handles for maximum durability and portability and you have the power to move you — and the world.

- **Peak_x Plus™ Limiters**
provide the ultimate in system performance and protection by allowing full control over threshold, attack, and release
- **Enhanced Subharmonic Synth section**
provides user control over frequency, gain and filter type for system-specific tuning
- **3 user-defined fan mode controls**
normal, early, and full-speed - for matching fan performance to a specific application
- **New system monitoring**
provides software visibility of AC line voltage and power supply temperature
- **Increased number of presets to a total of 50 presets; 49 of which are user defineable**

| MODEL | STEREO (per channel) | | | BRIDGE | |
|---------|----------------------|-------|-------|--------|-------|
| | 2Ω | 4Ω | 8Ω | 4Ω | 8Ω |
| XTi1002 | 700W | 500W | 275W | 1400W | 1000W |
| XTi2002 | 1000W | 800W | 475W | 2000W | 1600W |
| XTi4002 | 1600W | 1200W | 650W | 3200W | 2400W |
| XTi6002 | 3000W | 2100W | 1200W | 6000W | 4200W |



USBX

WIRELESS, SIMPLE INTERFACE

CONVENIENT

for wireless or wired interfacing with amplifiers

A built-in Wi-Fi access point allows USBX to become a powerful and convenient tool for managing Crown XTi, CDi, DSi devices via the Powered by Crown iOS application. For quick access to adjusting levels and monitoring I/O meters, use an iPhone® or iPad® with the Powered by Crown app to instantly communicate with attached amplifiers over Wi-Fi with USBX.

The primary intended use of USBX is as an interface to Crown USB-enabled amplifiers which connect either directly, or via a downstream USB hub, to a USB port on USBX. Then the amplifiers can be accessed via the RJ45 gigabit Ethernet port on USBX, or wirelessly via the wireless access point which is built into USBX.

- **Completely self-contained unit**
easily integrates into existing systems that include Crown XTi, CDi, and DSi amplifiers
- **Designed for mobile PA systems, movie theaters, small to medium fixed installations and more**
- **Power input of 100-240VAC/50-60Hz, Max. 20W**
- **Power consumption of 5VDC/3.0A Max.**
- **Supports fully featured monitoring and control of up to 8 USB enabled Crown amplifiers**



XLi SERIES

RUGGED, QUALITY
PORTABLE PA SERIES

POWERFUL. RELIABLE. AFFORDABLE.

for portable PA systems

The XLi Series of amplifiers represent a new era in affordable quality power amplification. All four models in the series are powerful, rugged and reliable. Well-suited for musicians, DJs, and entertainers as well as houses of worship, discos, and pubs, you can't go wrong with the raw power of the XLi Series.

- Stereo/parallel/bridge-mono mode
- User selectable input sensitivity - 0.775V and 1.4V
- RCA and XLR inputs; Speakon® and binding post outputs
- Two level controls, power switch, power LED, and six LEDs which indicate signal presence, clip and fault for each channel
- Protection against shorts, no-load, on/off thumps and radio-frequency interference

PORTABLE PA



| MODEL | STEREO (per channel) | | BRIDGE |
|---------|----------------------|-------|--------|
| | 4Ω | 8Ω | 8Ω |
| XLi800 | 300W | 200W | 600W |
| XLi1500 | 450W | 330W | 900W |
| XLi2500 | 750W | 500W | 1500W |
| XLi3500 | 1350W | 1000W | 2700W |



VRACK SYSTEM

POWERFUL, VERSATILE
TOUR SOUND SYSTEM

ONE FOR THE ROAD

complete amplification system for tour sound

We know you have enough to worry about while preparing your venue for each performance. That's why the VRack, designed by Crown for optimum performance and setup simplicity, puts all your amplification needs in one customized, turnkey package, complete with full safety approvals. With Crown-engineered components already built in, it provides you with an easy-to-configure, all-in-one amplifier solution that eliminates the time-consuming process of building amp racks, and frees your technical team to handle other important setup tasks. The VRack delivers superb power distribution anywhere in the world and features innovative software for convenient, simplified control, giving you a versatile, worry-free rack system that's always ready to go.

- Three I-Tech 12000HD or three I-Tech 4X3500HD amplifiers
- Fully assembled package from one source
- Worldwide power distribution with both L21-30 and 32A CEE-Form connection
- Flexible input panel with Analog, AES, and VDrive
- Versatile output panel (I-Tech 12000HD VRack only)
- Fail-over AES and network connection
- Rear rack lighting
- VDrive AES digital distribution over CAT5
- Built-in network control



I-TECH 4x3500HD

POWERFUL, VERSATILE
TOUR SOUND AMPLIFIER

4 IN 4 OUT

for tour sound systems

The I-Tech 4x3500HD amplifier is the industry's first high-powered tour sound amplifier featuring four inputs, Analog, AES3, and CobraNet®, fully routable to any one of four outputs. Each channel features a complete complement of OMNIDRIVEHD™ Processing, including the acclaimed LevelMAX™ Limiter Suite, and support for linear phase FIR filters as used in the latest JBL V5 loudspeaker tunings. Combine that with Crown's patented Class-I technology delivering uncompromising power output across all four channels, and it's easy to see why the I-Tech 4x3500HD is the flagship tour sound amplifier from Crown.

- **BSS OMNIDRIVEHD™ DSP processing** with Industry Leading IIR filters and linear phase FIR filters
- **Features Crown's proprietary DriveCore™ technology**
- **The only tour sound amplifier that provides four routable inputs to any output (Analog, AES, VDrive, or CobraNet)**
- **LevelMAX™ peak voltage and RMS power limiters** communicate with each other, resulting in smooth and accurate response and better sound
- **6th-generation patented Class-I (BCA®) circuitry** couples power efficiently to the load and provides low AC current draw
- **Global Power Supply with Power Factor Correction** designed to deliver maximum power no matter where your schedule takes you

| I-Tech 4x3500HD | STEREO (per channel) | | | | BRIDGE | | 70Vrms | 100Vrms |
|----------------------------------------|----------------------|-------|-------|-------|--------|-------|--------|---------|
| | 2Ω | 2.7Ω | 4Ω | 8Ω | 4Ω | 8Ω | | |
| 20 Hz - 20 kHz | 2100W | 2200W | 2400W | 1900W | 4200W | 4800W | 2100W | 2300W |
| 20ms Burst | 3500W | 3800W | 4000W | 2100W | 7000W | 6000W | | |
| *Minimum Guaranteed Power (20Hz-20kHz) | | | | | | | | |



I-TECH HD SERIES POWERFUL, VERSATILE TOUR SOUND SERIES

INNOVATION BEYOND COMPARE

for tour sound systems

Inside and out, the I-Tech HD Series of amplifiers is one of the most technologically advanced professional touring amplifiers on the market today. Building on the decades of innovation, invention, and insight Crown is known for, the I-Tech HD features five new patents – three on the power supply alone. At the heart of the new I-Tech HD is the BSS OMNIDRIVEHD™ processing engine. Four times faster than its predecessor and featuring Linear Phase FIR filters and LevelMAX™ limiters, OMNIDRIVEHD provides unmatched clarity and sonically pure signal processing. Providing up to 9 kW in a 2U rack space and delivering the highest output voltage in the industry, the I-Tech HD Series outperforms all the competition.

- **BSS OMNIDRIVEHD DSP processing**
with IIR filters and linear phase FIR filters
- **Global Power Supply**
with power factor correction designed to deliver maximum power no matter where your schedule takes you
- **The only product available with analog, AES/EBU, CobraNet and Ethernet connectivity**
- **LevelMAX peak voltage, RMS power, and transducer thermal limiters work together, resulting in smooth and accurate response, better sound, higher SPL**
- **Able to be monitored via HiQnet™ software**

TOUR SOUND



| Model | | STEREO (per channel) | | | | BRIDGE | |
|----------------|----------------|----------------------|-------|-------|-------|--------|-------|
| | | 2Ω | 2.7Ω | 4Ω | 8Ω | 4Ω | 8Ω |
| I-Tech 5000HD | 20 Hz - 20 kHz | 2000W | 2800W | 2500W | 1250W | 4000W | 5000W |
| | 20ms Burst | 3000W | 2700W | 2500W | 1500W | | |
| I-Tech 9000HD | 20 Hz - 20 kHz | 2800W | 4200W | 3500W | 1500W | 5600W | 7000W |
| | 20ms Burst | 4700W | 4300W | 3500W | 1700W | | |
| I-Tech 12000HD | 20 Hz - 20 kHz | 3750W | 5400W | 4500W | 2100W | 7500W | 9000W |
| | 20ms Burst | 6000W | 5400W | 4500W | 2400W | | |

*Minimum Guaranteed Power (20Hz-20kHz)



MACRO-TECH i SERIES

POWERFUL, EFFICIENT
TOUR SOUND SERIES

THE LEGEND CONTINUES

for tour sound systems

The Crown Macro-Tech i Series amplifiers continue the Macro-Tech legacy of unparalleled sonic accuracy and detail, putting sound quality above all else. Patented, cutting-edge Class-I circuitry gets more power out of an amplifier with less waste. Each model features a Global Power Supply designed to deliver maximum power in any country. The Macro-Tech i Series offers studio-quality analog signal processing with built-in load, line voltage, input and output monitoring. Standard Ethernet networking via Audio Architect® provides integrated monitoring and control to give system operators access to the system from any location.

- **Standard Ethernet networking**
via Performance Manager™ software lets system operators monitor and control the amplifier from any location
- **Rugged construction ensures that all Macro-Techs are built to withstand years of abuse on the road**
- **Global Power Supply**
designed to deliver maximum power no matter what country you work in
- **Built-in load, line voltage, input and output monitoring**

| MODEL | | STEREO (per channel) | | | | BRIDGE | |
|----------|----------------|----------------------|-------|-------|-------|--------|-------|
| | | 2Ω | 2.7Ω | 4Ω | 8Ω | 4Ω | 8Ω |
| MA5000i | 20 Hz - 20 kHz | 2000W | 2800W | 2500W | 1250W | 4000W | 5000W |
| | 20ms Burst | 3000W | 2700W | 2500W | 1500W | | |
| MA9000i | 20 Hz - 20 kHz | 2800W | 4200W | 3500W | 1500W | 5600W | 7600W |
| | 20ms Burst | 4700W | 4300W | 3500W | 1700W | | |
| MA12000i | 20 Hz - 20 kHz | 3750W | 5400W | 4500W | 2100W | 7500W | 9000W |
| | 20ms Burst | 6000W | 5400W | 4500W | 2400W | | |



DRIVECORE™ INSTALL SERIES

FLAGSHIP, CUTTING EDGE
CINEMA SOLUTION

ONSCREEN CHEMISTRY

analog and network amplifiers for cinema systems

Designed and engineered to the industry's highest quality standards for analog or network installations, the highly reliable DriveCore Install (DCi) Amplifier Series is the ideal choice for cinemas. Simple to configure with its space-saving true rack density design, DCi provides you with multiple innovations at every point, and unmatched performance time after time. Versatile, compact and highly energy-efficient, DriveCore Install Series amplifiers continue the unbroken Crown tradition of leadership in professional power amplifier technology.

- **Digital Signal Processing**
(LevelMAX™, EQ, Delay)
- **Dolby® Atmos™ Connect/BLU link**
- **Audio quality of a highly evolved Class AB design in an ultra-efficient amplifier**
- **Network monitoring and control**
- **Best-in-class efficiency**
power consumption and heat dissipation
- **Audio Architect® Software Interface**
- **JBL Screen Array speaker tunings**

CINEMA SOUND



| MODEL | SPECIFICATIONS | | | |
|-------------------------|----------------|-------|-------|-------|
| | Channels | 2Ω | 4Ω | 8Ω |
| DCi4i300 or DCi4i300N | 4 | 150W | 300W | 300W |
| DCi8i300 or DCi8i300N | 8 | 150W | 300W | 300W |
| DCi4i600 or DCi4i600N | 4 | 300W | 600W | 600W |
| DCi8i600 or DCi8i600N | 8 | 300W | 600W | 600W |
| DCi4i1250 or DCi4i1250N | 4 | 1250W | 1250W | 1250W |

*N denotes networked



DSi SERIES INDUSTRY STANDARD CINEMA SOLUTION

ONE-TOUCH PERFORMANCE

for cinema systems

The Crown DSi Series of power amplifiers provides onboard digital signal processing including crossovers, EQ filters, delay and output limiting. A rear panel HD-15 connector provides easy input/output connectivity between DSi amplifiers and the DSi-8M system monitor. The intuitive front panel LCD screen guides installers through a setup process—featuring presets for the industry-standard JBL cinema loudspeaker systems—to make configuration quick and easy. At the touch of a button, Crown's DSi cinema amplifiers deliver perfectly matched performance with each award-winning JBL ScreenArray® system, making this an obvious cinema solution.

- **Intuitive front-panel LCD screen**
- **Automatic presets**
for popular JBL cinema speaker systems
for quick, easy configuration
- **Onboard digital signal processing**
includes crossovers, EQ filters, delay, and output limiting
- **Computer connectivity via USB**
allows fast setup and configuration with
HiQnet™ Audio Architect® software
- **Rear-panel HD-15 connector**
provides easy input/output connectivity between
DSi amplifiers and the DSi-8M system monitor
- **Barrier strip outputs, removable Phoenix-style input**
- **All models are THX® approved**
- **Compatible with DSi-8M system monitor**

| MODEL | STEREO (per channel) | | | BRIDGE | |
|---------|----------------------|-------|-------|--------|-------|
| | 2Ω | 4Ω | 8Ω | 4Ω | 8Ω |
| DSi1000 | 700W | 475W | 275W | 1400W | 950W |
| DSi2000 | 1000W | 800W | 475W | 2000W | 1600W |
| DSi4000 | 1450W | 1200W | 650W | 3000W | 2400W |
| DSi6000 | 3000W | 2100W | 1200W | 6000W | 4200W |



DSi-8M

INDUSTRY STANDARD
CINEMA SOLUTION

ONE-TOUCH PERFORMANCE

monitor for cinema systems

The Crown DSi-8M is a projection booth monitor designed to work with bi-amplified cinema systems using the Crown DSi Series amplifiers. All controls necessary for daily operation of the DSi-8M are easily accessible on the front panel. Eight channel monitoring allows you to monitor either the processor or the power amplifier's outputs: L, C, R, Ls, Rs, Bsl, Bsr, and Sub in any combination. Input levels from the processor and power amplifier can be adjusted independently. The bargraph display can be calibrated to the reference level for your theater. The projectionist can see auditorium levels instantly.

- Compact 2-rack unit
- 8 channels for monitoring processor or amplifier inputs
- All inputs and outputs are balanced to interface with new cinema processors
- No level jumps when switching between processor and amplifiers
- 25-pin D-sub connectors, plus removable terminal blocks and HD-15 for quick, hassle-free connections
- Designed to work with bi-amplified sound systems to monitor the high and low-frequency outputs from the left, center and right channels

| | SPECIFICATIONS |
|------------------------------------|------------------------|
| DSi-8M | |
| Power Requirements | 100-240V, 50-60Hz, 32W |
| Input Impedance (Processor Inputs) | 10k Ω |
| Input Impedance (Power Amp Inputs) | >50k Ω |



XLC SERIES

BASIC, RELIABLE, POWERFUL
CINEMA SOLUTION

BEHIND THE SCENES

for cinema systems

Available in two models, the XLC2500 and XLC2800 incorporate Crown's DriveCore™ technology, which reduces the amplifiers' size, while yielding more energy efficient operation – without sacrificing performance. For a total cinema solution, the XLC Series is compatible with Crown's CXM2000 Cinema Monitor and Crossover System, which monitors either processor input signal or amplifier output signal monitoring and fault detection. The CXM2000 also optimizes the performance of a wide range of JBL® cinema loudspeakers, with adjustments for crossover points, EQ, delay and other parameters. Compact, powerful and cost-effective, the XLC Series provides ease of installation, outstanding sound quality and the unwavering reliability inherent in every Crown product.

- Features Crown's proprietary DriveCore technology
- Power for 2Ω, 4Ω and 8Ω outputs, supporting stereo, parallel and bridge outputs
- Compatible with JBL cinema speaker 3722(N), 4722(N), 3730, 3252(N), 4641, 4642A, 8320, 4181
- Compatible with Crown Monitor and Crossover System CXM2000 for monitor, fault detection and crossover functions
- Compatible with Crown Monitor System DSi-8M for monitor function

| MODEL | STEREO (per channel) | | | BRIDGE |
|---------|----------------------|------|------|--------|
| | 2Ω | 4Ω | 8Ω | 8Ω |
| XLC2500 | 775W | 500W | 300W | 1000W |
| XLC2800 | 1200W | 775W | 440W | 1550W |



CXM2000 CROSSOVER & SYSTEM MONITOR FOR XLC SERIES

BEHIND THE SCENES

monitor for cinema systems

Crown's CXM2000 is a cinema monitor and crossover system. When used with Crown amplifiers, the CXM allows for either processor input signal or amplifier output signal monitoring, which immediately indicates when there is a fault signal. The fault signal can also be passed to TMS (Theater Management System), so the cinema manager can check the audio system working status from anywhere in the building. All necessary controls for daily operation of the CXM2000 are easily accessible on the front panel. Crown CXM2000, Crown cinema amplifiers and JBL cinema speakers constitute Harman's total solution for cinema owners who share the same goal of introducing a high-quality movie-watching experience.

- **Built-in speaker monitors**
the processor input and amplifier's output signals
- **Onboard JBL Cinema speaker**
parameters include crossover, EQ filters, delay, and more to enhance speaker performance
- **Fault detection indicators on front panel and sends alarms signals to Theater Management System**
- **Total solution designed to work with JBL passive and bi-amplified cinema speakers in systems using Crown DSi and XLC amplifiers**
- **Lit buttons offer easy operation in dark rooms**
- **HD-25 connectors and HD-15 connectors**
for quick and hassle-free connectivity

| | SPECIFICATIONS |
|-----------------------|-----------------------------------------------------------------|
| CXM2000 | |
| Power Consumption | 100V-120V/220V-240V, 50Hz/60Hz, 50W |
| Input Channels | 8 inputs (L, C, R, SL, SR, BSL, BSR, Subwoofer) |
| Input Impedance | >10k Ω |
| Signal to Noise Ratio | 104 dB (A weighted) |
| Crosstalk | >80 dB (A weighted) |
| Presets | 11 Presets—1 'bypass' and 10 factory-set for JBL cinema systems |



CROWN®

www.crownaudio.com

INSTALL

STUDIO

TOUR

PORTABLE PA



FULL LINE CATALOG 2015



HISTORY

IT BEGAN OVER 40 YEARS AGO...

...with the vision of a single man to create a better way to record audio and that vision has continued into a new millennium. The late David Blackmer, who is universally considered to be the father of modern Compression, had a quest to improve the dynamic range of analog recordings using decibel expansion. This quest produced the decilinear VCA and RMS detector which taken together have changed the sonic landscape and made possible so many of our current audio technologies.

In 1971, Mr. Blackmer founded dbx® which has collectively produced over 35 patents that continue to forge and reshape the landscape in the Live Sound, Studio Recording, and Installed Sound professional audio markets today. Our award-winning team of designers and engineers have embraced Mr. Blackmer's passion for audio purity with a vengeance, and continue to design and build the precise and accurate tools necessary for today's audio production. From our rock-solid Analog products like the 20-Series EQs and 10-Series Compressors, to our cutting-edge Performance and Commercial Audio products – DriveRack and ZonePRO lines – we provide the tools to accommodate all of your audio needs. This brochure is designed to help you navigate through our many product solutions and find the ones that meet your exact needs.

CONTENTS

DR

DriveRack®

| | |
|-------------------------|-----|
| DriveRack PA2 | 200 |
| DriveRack 4820 | 200 |
| DriveRack Venu360 | 200 |
| DriveRack 260 | 201 |
| DriveRack 220i | 201 |
| DriveRack PA+ | 201 |

ZP

ZonePRO™

| | |
|--------------------------------|---------|
| ZonePRO 1260 (m) | 202 |
| ZonePRO 1261 (m) | 202 |
| ZonePRO 640 (m) | 202 |
| ZonePRO 641 (m) | 203 |
| ZonePRO Zone Controllers | 203-204 |

D

Dynamics

| | |
|-------------|-----|
| 1066 | 205 |
| 1046 | 205 |
| 1074 | 205 |
| 266xs | 205 |
| 160A | 206 |
| 166xs | 206 |

MP

Mic Preamps

| | |
|-----------|-----|
| 386 | 206 |
| 376 | 206 |
| 676 | 207 |

EQ

EQs

| | |
|--------------|-----|
| 131s | 208 |
| 215s | 208 |
| 231s | 208 |
| 1215 | 208 |
| 1231 | 209 |
| 2215 | 209 |
| 2231 | 209 |
| 2031 | 209 |
| iEQ-15 | 210 |
| iEQ-31 | 210 |

PM

Personal Monitor Solutions

| | |
|--------------|-----|
| TR1616 | 210 |
| PMC16 | 210 |

DB

Premium Direct Boxes

| | |
|------------|-----|
| dB10 | 211 |
| dB12 | 211 |

C

Crossovers

| | |
|-------------|-----|
| 223s | 211 |
| 223xs | 211 |
| 234s | 211 |
| 234xs | 211 |

PS

Problem Solvers

| | |
|-------------|-----|
| PS6 | 211 |
| AFS 2 | 212 |
| 120A | 213 |
| 286s | 213 |
| PB-48 | 213 |

S

Product Specs

214-222



DRIVERACK® SERIES

LOUDSPEAKER MANAGEMENT SYSTEMS

When dbx created the first digital loudspeaker management system, an entire new category was born. A series of award-winning, standard-setting products soon followed, taking the sound reinforcement world by storm.



DRIVERACK® PA2

COMPLETE LOUDSPEAKER MANAGEMENT SYSTEM

The PA2's Wizard allows for faster and easier set-up, AutoEQ™ and AFS™ give you professional touring quality room correction EQ and incredibly accurate feedback suppression. And all can be controlled on the fly with your mobile device or laptop using Ethernet control via an Android®, iOS®, Mac®, or Windows® device.

- **Enhanced AFS™ algorithm**
- **Updated Wizards**
- **Mobile / Ethernet Control**
Compatible with Android®, iOS®, Mac®, or Windows®



DRIVERACK 4820

COMPLETE EQUALIZATION AND LOUDSPEAKER MANAGEMENT SYSTEM

The DriveRack 4820 is the next generation of the famous DriveRack family. From Signal Routing, EQ, and Bandpass Filters, to classic dbx® Dynamics and AFS® Advanced Feedback Suppression, all the processing is available and with the sonic excellence that you would expect from the world's leading system processing manufacturer.

- **48 and 96 kHz operation with Wordclock input**
- **4 analog and AES/EBU inputs**
- **8 analog and AES/EBU outputs**



DRIVERACK VENU360

COMPLETE EQUALIZATION AND LOUDSPEAKER CONTROL SYSTEM

The all-new DriveRack Venu360 provides the tools for optimizing both installation and live applications alike. The completely re-designed Wizards allow any user to quickly set up and use the 360 to its full potential by providing a menu-based setup procedure that includes system setup and configuration, Auto-EQ, and Advanced Feedback Suppression (AFS™). All of these features can be controlled via the Venu360 Control app for iOS, Android, Mac and PC devices alike.

- **Venu360 Control App**
- **All New Setup Wizards**
- **Full Bandpass, Crossover, and Routing Configurations**



DRIVERACK 260

COMPLETE EQUALIZATION AND
LOUDSPEAKER CONTROL SYSTEM

From the powerful DSP modules to the multiple control surfaces, the 260 provides all the processing and control necessary for both installation and live use. The Wizard function enables any user to quickly set up and use the 260 to its full potential by providing a menu-based setup procedure that includes system setup and configuration, Auto-EQ, and Advanced Feedback Suppression (AFS™).

- **2.7 Seconds of Alignment and Zone Delay**
- **Full Bandpass, Crossover, and Routing Configurations**



DRIVERACK 220i

SYSTEM PROCESSOR WITH
ADVANCED FEEDBACK SUPPRESSION

Designed to provide state-of-the-art signal processing, the DriveRack 220i is the perfect tool for any fixed-install application. With a full complement of processing features and Mic/Line inputs the DriveRack 220i can provide both system and microphone processing. Featuring Advanced Feedback Suppression, equalization, dynamics processing, delay, matrix mixing, and bandpass filters, the DriveRack 220i will exceed your expectations.

- **Graphic and Parametric EQ**
- **PeakStopPlus™ Limiter**
- **Noise Gating, De-Esser, Ducker**



DRIVERACK PA+

COMPLETE EQUALIZATION AND
LOUDSPEAKER CONTROL SYSTEM

Although the DriveRack PA+ is loaded with functions and features, it is easy to set up and use. The dbx exclusive Set Up Wizard walks you through system set up with easy to follow step-by-step instructions. Just pick your speakers and amps from the built-in list on the PA+ and then let the Auto Level™ Wizard fine tune the level settings of each speaker.

- **Setup Wizard, Auto EQ™ Wizard with 28-Band RTA, Auto Level™ Wizard, AFS® Wizard**
- **Full time RTA function**



RTA-M

REAL TIME AUDIO
ANALYZING MIC

The optional RTA-M real time audio analyzing mic is the perfect accessory tool for the DriveRack PA and 260. Used in conjunction with the System Setup Wizard, the RTA-M is ideal for optimizing the sound quality of even the most difficult of acoustic environments.

- **Polar Pattern : omni-directional**
- **Impedance : 250 30% (at 1,000Hz)**
- **Sensitivity : -63 dB +3 dB**



ZONEPRO® SERIES

DIGITAL ZONE PROCESSORS

The ZonePRO® products have long been the obvious choice for managing commercial audio applications. They're easy to install and use – thanks to step-by-step setup wizards – and they're backed by long track record of dbx reliability. The fact that so many are in use in locations worldwide speaks to their popularity and dependable performance.

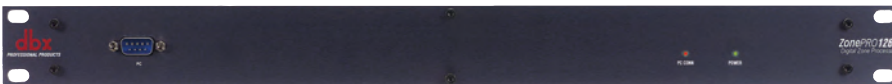


ZONEPRO 1260/m

DIGITAL ZONE PROCESSORS

Designed with contractors in mind, the ZonePRO devices feature Euroblock connectors for easy termination of balanced signals and RCA connectors for straightforward connection of consumer equipment. A simple analog bus allows sources to be shared among multiple ZonePRO devices, facilitating scalability of outputs for larger applications.

- **Ambient Noise Compensation (ANC)**
Introduced on the ZonePRO 'm' devices
- **AutoWarmth®**
Maintains full frequency bandwidth even when the signal level has dropped



ZONEPRO 1261/m

DIGITAL ZONE PROCESSORS

Ambient Noise Compensation (ANC), on the ZonePRO 'm' devices, allows the level of zone outputs to track the ambient noise level, monitored through a microphone. This feature is particularly well-suited to applications such as retail environments where the volume of the audio system can be matched automatically to the number of shoppers and their noise level.

- **Ambient Noise Compensation (ANC)**
Introduced on the ZonePRO 'm' devices
- **Routing section of ZonePRO provides**
Primary source selection, source ducking for paging and priority override



ZONEPRO 640/m

DIGITAL ZONE PROCESSORS

Designed to offer superior system sonic performance and flexibility, the 640/m deliver the highest quality tools available. Even the input and output connectors were chosen for their standard usage and reliability. The ZonePRO products offer Euroblock connectors for balanced signals and RCA connectors for interfacing with consumer equipment often used in commercial applications.

- **Automatic Gain Control (AGC)**
- **Notch Filter**
- **Compressor, Gate, De-Esser, Limiter**



ZONEPRO 641/m

DIGITAL ZONE
PROCESSORS

Beyond processing, the ZonePRO® products offer multiple forms of control to further extend the versatility of your system. From easy-to-use wall panel Zone Controllers for standard end-user functions like source select and volume control to advanced system control including a built-in Real Time Clock that can provide programmable system changes throughout the day or week.

- **Parametric EQ**
- **Bandpass and Crossover Filters**
- **Security Lockout**

ZONE CONTROLLERS



ZCFIRE

FIRE SAFETY
INTERFACE

The C451 B is a small-diaphragm condenser microphone with the identical acoustical behavior of its predecessor, the legendary C451 EB + CK1 capsule, which was a bestseller right from the start in 1969.



ZCBOB

"HOME-RUN" OR
PARALLEL WIRING

The ZCBOB provides up to 6 RJ-45 input jacks for "Home Run" or parallel wiring configurations of the dbx ZC wall panel controllers, and one output RJ-45 jack for connection to the dbx® DriveRack® or ZonePRO™ device.



ZC1

PROGRAMMABLE
VOLUME CONTROL

The ZC1 provides computer programmable rotary potentiometer volume control for the dbx DriveRack 260, 220i and ZonePRO™ devices. The remote device has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC2

PROGRAMMABLE
VOLUME & MUTE

The ZC2 provides computer programmable rotary potentiometer and push-button volume control and muting for the dbx DriveRack 260, 220i and ZonePRO™ devices. The remote device has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.

ZONE CONTROLLERS.....continued



ZC3 PROGRAMMABLE SELECTION

The ZC3 provides programmable rotary switch program selection for the dbx® DriveRack® 220i and 260 devices. The remote device also provides rotary switch programmable source selection, page assignment, or scene selection for the dbx ZonePRO™ devices. The ZC3 has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC4 PROGRAM SELECTION

The ZC4 provides programmable program selection via contact closures for the dbx® DriveRack® 220i and 260 devices. The remote device also provides contact closure programmable source selection, page assignment, or scene selection for the dbx ZonePRO™ devices. The ZC4 has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC6 PROGRAMMABLE VOLUME CONTROL

The ZC6 provides computer programmable push-button up/down volume control for the dbx® ZonePRO™ devices. The remote device has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC7 PUSH-TO-TALK PAGE ASSIGNMENT

The ZC7 provides programmable push-to-talk page assignment for the dbx® ZonePRO™ devices. The remote device has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC8 PROGRAMMABLE VOLUME AND SOURCE SELECT

The ZC8 provides both programmable push-button up/down volume control, and programmable rotary switch source selection for the dbx® ZonePRO™ devices. The remote device has DIP switches allowing identification with connection to the processing device via CAT 5 cable on RJ-45 connectors.



ZC9 SOURCE SELECTION

The ZC9 provides rotary switch source selection for the ZonePro 1260 and 1261. The remote has DIP switch identification and connection to the device being controlled shall be via CAT 5 cable and RJ-45 connectors.



1066 COMPRESSOR/LIMITER/GATE

Whether you're looking for "heavy" compression or subtle gain leveling, the 1066 stereo compressor/limiter/gate with selectable hard knee or OverEasy® compression is ideal. The 1066's compressor section allows you to set attack and release times manually or automatically using our convenient Auto Mode.

- **PeakStopPlus™ limiting** for setting maximum allowable level with minimal distortion
- **True RMS level detection**



1046 QUAD COMPRESSOR/LIMITER

Each of the 1046's four channels allows you to individually select between our classic OverEasy® or hard knee compression, as well as connect each channel for separate purposes. Additionally, our PeakStopPlus™ circuitry is the most comprehensive limiting technology available. For easy interfacing with other devices, each of the 1046's channels also utilizes balanced, gold-plated XLR and 1/4" inputs and outputs and switchable +4dBu or -10dBV operating levels.

- **Classic dbx® compression**
- **True RMS level detection**
- **Precision metering of input level, output level, and gain reduction**



1074 QUAD GATE

The 1074 Quad Gate is the perfect companion to the 1066 and 1046. The 1074 offers 4 channels of gating with threshold, depth and release controls on each channel. The 1074 also offers XLR inputs and outputs, and 1/4" side-chain input. In addition to an external key input per channel, the 1074 also has an internal filter that can be independently activated and controlled on a channel per channel basis.

- **Four independent channels of gating**
- **Independent key filtering**
- **Independent Threshold and Release controls**



266XS COMPRESSOR/GATE

The 266xs puts pleasing compression and smooth gating within reach of everyone. The classic dbx® compression delivers everything from mellow "leveling," to aggressive peak limiting. In addition, the 266xs's AutoDynamic™ circuitry continuously adjusts attack and release settings in real time in order to optimally match program material.

- **Balanced inputs and outputs on 1/4" TRS and XLR**
- **Side Chain insert**
- **Classic dbx® "Auto" mode**



160A COMPRESSOR / LIMITER

The 160A offers such time-tested features as switchable OverEasy® and hard knee compression, extremely wide threshold ranges, and controls for ratio and output gain. It also includes true RMS level detection, providing the most transparent dynamics processing available—from smooth, subtle compression to “brick wall” peak limiting.

- **Exclusive Infinity+ compression**
Allows negative compression
- **Strappable with another 160A**
For true RMS stereo summing operation



166XS COMPRESSOR/LIMITER/GATE

With auto attack and release controls and separate precision LED displays for gain reduction, compression threshold, and gate threshold, the 166xs allows for quick and accurate setup. The 166xs also makes advanced applications a breeze with full sidechain functionality, the ability to use either hard knee or OverEasy® compression algorithms, and the venerable PeakStop® limiter.

- **New gate timing algorithms ensure the smoothest release characteristics**
- **Program-adaptive expander/gates**
- **Classic dbx® “Auto” mode**



386 DUAL CHANNEL TUBE MIC PREAMP

The Silver Series 386 dual channel tube mic preamp puts the best of both worlds into one affordable package by combining the warmth of the irreplaceable vacuum tube with the proprietary dbx® Type IV™ conversion system.

- **24, 20, and 16-bit wordlengths**
- **Selectable dither and noise shaping**
- **AES/EBU and S/PDIF digital outputs**



376 TUBE PREAMP CHANNEL STRIP WITH DIGITAL OUT

The 376 has taken the essential tools needed for recording and put them all on a single channel strip. The mic/line section on the 376 provides a 12AU7 vacuum tube and offers +48V phantom power, a phase invert switch, a high impedance ¼” instrument input, 20dB pad, and low-cut filtering. The processing section offers a 3-Band parametric EQ, a classic dbx Compressor, and De-Esser.

- **Tube microphone pre-amp**
- **200V tube plate voltage**
- **Front panel instrument input**



676 TUBE MICROPHONE PREAMP CHANNEL STRIP

THE PEDIGREE OF PROFESSIONAL AUDIO

for recording studio or live applications

The 676 represents all of the best of dbx's more than 40 years of dynamics processing. The 676 offers a pristine high-gain Class-A tube preamp section that runs on 250 volts, so your signal can be as crystal clean or dirty as you need it to be. The 676 also incorporates the compressor/limiter design from the highly-sought after 162SL, as well as a 3-band parametric EQ with sweepable mids. The 676 provides the user with the perfect channel strip for recording and live applications alike with its military-grade build and vintage-inspired controls, VU metering and state-of-the-art optional digital output card.

- **Class-A Vacuum Tube Preamp with High Voltage Gain**
- **High-Visibility Vintage VU Meter**
- **Compressor**
designed from 162SL
- **3-Band Parametric EQ**
- **1/4" and XLR Inputs and Outputs**
- **Front Panel Instrument Input**
- **Side Chain Insert**
- **Optional Digital Output Card**
(available 6/15)



131S SINGLE 31-BAND GRAPHIC EQUALIZER

The dbx 131s includes a single 31-band channel of 1/3-octave equalization, ± 12 dB input gain, switchable ± 6 dB or ± 12 dB boost/cut range, 20mm nonconductive sliders, an intuitive user interface, and output level metering.

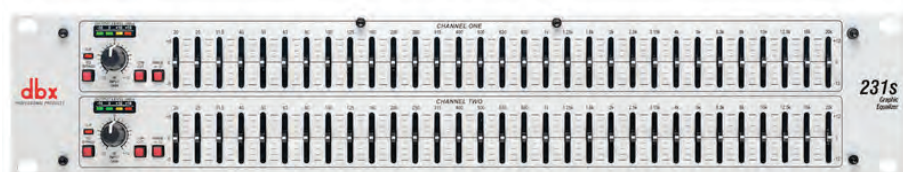
- **Constant Q frequency bands**
- **Switchable boost/cut ranges of ± 6 or ± 12 dB**
- **12dB per octave 40Hz low-cut filter**



215S DUAL 15-BAND GRAPHIC EQUALIZER

The dbx 215s includes two 15-band channels of 2/3-octave equalization, ± 12 dB input gain, switchable ± 6 dB or ± 12 dB boost/cut range, 20mm nonconductive sliders, an intuitive user interface, and output level metering. From its extended 10Hz to 50kHz frequency response and 112 dB dynamic range to the quality componentry and meticulous attention to detail, the 215s offers exceptional sound and rugged reliability that guarantees you will always sound your best.

- **Front panel bypass switch**
- **± 12 dB input gain range**
- **4-segment LED ladders for monitoring output levels**



231S DUAL 31-BAND GRAPHIC EQUALIZER

From its amazing 10Hz to 50kHz frequency response, to its 108dB dynamic range, the 2 Series offers great specifications with a down-to-earth price point. Sure to find a home in the studio, on tour and with installed sound venues, the 2 Series is destined to take its rightful place in the lineage of great dbx signal processors that are the professional's choice in signal processing.

- **XLR and TRS Inpts and Outputs**
- **Internal Toroidal Transformer**
- **Frequency Repsonse of <10Hz to >50kHz**



1215 DUAL 15-BAND GRAPHIC EQUALIZER

The 1215 provides standard features like dual channels, 15 2/3 octave bands, ISO frequency centers, ± 12 dB input gain range, and switchable 40Hz/18 dB per octave low-cut filters, but also includes other thoughtful features.

- **XLR, Barrier Strip, and 1/4" TRS connectors**



1231 DUAL 31-BAND GRAPHIC EQUALIZER

The dbx® 12 Series Equalizers were designed to make versatile, pro-quality sound available to users of all levels, while offering the simplicity of straightforward controls and providing years of maintenance-free operation in any application.

- **18dB/octave 40Hz Bessel low-cut filter**
- **Chassis/signal ground lift capability**



2215 DUAL 15-BAND GRAPHIC EQUALIZER

The Type III® Noise Reduction is an entirely new concept... virtually instantaneous encode/decode within the circuitry of the box. We started out to build the finest EQ's possible, boxes with the heritage and performance to rival our famous 30 Series EQ's. And to no one's surprise they came out awfully darn good.

- **An extremely high quality EQ, patented Type III Noise Reduction, and the elegant new PeakPlus Limiter all in one great sounding box**



2231 DUAL 31-BAND GRAPHIC EQUALIZER

Since their introduction, the 20 Series equalizers have become crucial links in the sound systems of countless professionals all over the world. From a value perspective, the 20 Series EQs offer an unequalled feature set.

- **Four segment LED bar graphs for BOTH Gain Reduction AND Output Level**
- **Status LEDs**



2031 SINGLE 31-BAND GRAPHIC EQUALIZER

The 2031, with its patented PeakPlus™ limiter topology; XLR, 1/4", and Barrier strip inputs and outputs; a +12dB input gain range; and informative, four-step LED ladders is a powerful tool that will let you use your system with confidence.

- **Revolutionary instant encode/decode Type III Noise Reduction**



iEQ-15

DUAL 15-BAND
DIGITAL GRAPHIC EQUALIZER/LIMITER

In addition to unsurpassed Equalization specs, the iEQ also offers the built-in necessities which include patented AFS® Advanced Feedback Suppression, Type V™ Noise Reduction and PeakStopPlus™ limiting.

- **1/3-octave Constant Q frequency bands**
- **Switchable boost/cut ranges of ± 6 or ± 15 dB**



iEQ-31

DUAL 31-BAND
DIGITAL GRAPHIC EQUALIZER/LIMITER

From its amazing 10Hz to 22kHz frequency response, to its 110dB dynamic range the iEQs offer out of this world specifications with a down to earth price point.

- **Frequency Response of 10Hz to 22kHz**
- **Dynamic range of greater than 113dB**



PMC16

PERSONAL MONITOR
CONTROLLER

- **16 Channel Mixer With Level, Pan, Mute, Solo, & Reverb Send Control**
- **16 Preset Locations For Mixer & Effect Parameter Recall**
- **Lexicon® Courtesy Reverb**
- **dbx PeakStopPlus™ Limiting**



TR1616

PERFORMANCE I/O
PERSONAL MONITOR SOLUTION

- **Precision dbx Mic Preamps with Variable Input Gain Control**
- **Established tour sound standard** for excellent sound quality even under
- **Impressive sound pressure level** allows close-miking of high-energy



PS6

SIX CHANNEL
POWER SUPPLY

The dbx PS6 is a road-worthy power supply that can supply AC power for up to six separate PMC16 units. It connects to a PMC16 Personal Monitor Controller via a standard 12-volt DC center-negative cable.



DB10

PASSIVE
DIRECT BOX

At dbx, when we do something, we do it right. One look at our dB10 Passive and dB12 Active direct boxes will tell you that these are clearly different. With their bullet-proof construction, and extraordinary audio performance to rival their looks, finally there's a direct box worthy of the dbx name.



DB12

ACTIVE
DIRECT BOX

Utilizing custom dbx mu-metal-shielded audio transformers, high-quality Neutrik® connectors, and low-noise circuitry preserves the sonic integrity and true characteristics of the signal source.



223S / 223XS

STEREO 2-WAY, MONO 3-WAY
CROSSOVER

To prevent accidental changes of critical settings during performance, several of the 223s controls are located on the rear panel. The first of these selects between stereo two-way or mono three-way operation. Also located on the back panels are switches that allow you to individually select crossover frequency ranges for both channels. The rear panels also allow you to mono-sum the low frequency outs.

- **x10 range switch on both channels**
- **40Hz low-cut (high-pass) filter both channels**
- **Phase reverse switch on all outputs**



234S / 234XS

STEREO 2/3-WAY, MONO 4-WAY
CROSSOVER

Both crossovers feature Linkwitz-Riley 24dB/octave filters—the professional standard. Each of the units' channels has a +12dB input gain control and a recessed 40 Hz low-cut (high-pass) filter for removing low frequency rumble. Both the low and high outputs on each channel have phase reverse switches (reconfigurable to operate as mute switches) and gain controls ranging from ∞ to +6 dB, allowing level matching and muting of individual outputs.

- **24dB per octave Linkwitz-Riley filters (the professional standard)**
- **Stereo/Mono status LEDs indicate the selected mode**



AFS2 ADVANCED FEEDBACK SUPPRESSION PROCESSOR

HEAR NO EVIL AND SEE NO EVIL

The AFS2 Advanced Feedback Suppression processor has been completely re-designed to take the foundation of the best selling AFS224 and bring it to the next level. The AFS2 offers the highly-intuitive Wizard function that takes all of the guesswork out of setting up any room. It also incorporates a completely re-designed Advanced Feedback Suppression module. Best of all, the AFS2 provides the user with a full LCD display setup and monitoring.

With its powerful DSP module, the AFS2 provides all the processing and control necessary for both installation and live use. Ten and twelve filter feedback elimination processors are the de facto standard, but the AFS2 offers a dedicated feedback suppression processor that offers up to 24 filters per channel with filter Qs up to 1/80 of an octave. In addition to the plethora of feedback suppression filters available, the AFS2 also offers selectable modes, live filter lift, and types of filtration, which are all readily available via the intuitive user interface front panel. With all of these state-of-the-art features in place, not only do you hear no evil, but you will now be able to see no evil.

- Wizard Setup Function
- Full LCD Display
- dbx's Patent-pending AFS™ technology (Advanced Feedback Suppression)
- 24 Programmable Filters per Channel
- Stereo or Dual Independent Channel Processing
- Live and Fixed Filter Modes
- Selectable Filter Lift Times
- Application-specific filter types include: Speech and Music Low, Med and High
- Input channel Metering
- 24 LED per Channel Filter Metering
- XLR and TRS Inputs and Outputs

PROBLEM SOLVERS



120A SUBHARMONIC SYNTHESIZER

Unlike other attempts at bass synthesis, the 120A's patented subharmonic synthesis process produces smooth, musical low frequencies that don't interfere with mid- or high-band information—even at maximum levels. The result is unmatched low-end punch at levels that won't destroy your system.

- **Separate Low Frequency Boost Circuit**
- **1/4" Balanced inputs and outputs**
- **Patented circuitry ensures that mid and high frequencies are not affected**



286S MIC PREAMP PROCESSOR

The dbx® 286s's Mic Preamp and Five processors can be used independently or in any combination. The dbx 286s's sonically pristine Mic Preamp has all the features you need, including wide-ranging input gain control, switchable 48V phantom power and an 80Hz high-pass filter.

- **Constant Q frequency bands**
- **Switchable boost/cut ranges of ± 6 or ± 12 dB**
- **12dB per octave 40Hz low-cut filter**



PB-48 PATCH BAY

The PB-48 patchbay features 48 front panel and 48 rear panel patch points, with 24 user-adjustable board assemblies that can be configured—without soldering or wire cutting—for half-normalled or de-normalled operation. Rugged and noise-free, the PB-48 is designed to serve all your patchbay needs.

- **24 user-adjustable board assemblies** can be configured—without soldering or wire cutting—for half-normalled or de-normalled operation
- **balanced TRS and unbalanced TS 1/4" plugs**

DR

DRIVERACK SERIES

LOUDSPEAKER MANAGEMENT SYSTEMS

| | PA2 | PA+ | VENU360 | 260 | 4820 | 220i |
|---------------------------------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| INPUTS | | | | | | |
| Number of Inputs (RTA Mic Input) (AES Inputs) | 2 (1) | 2 (1) | 3 (4) | 2 (1) | 4 (1) | 2 |
| Switchable Mic/Line Inputs | | | | | | • |
| Connectors: Female XLR | • | • | • | • | • | • |
| Connectors: Euroblock | | | | | | • |
| Type: Electronically balanced, RF filtered | • | • | • | • | • | • |
| Impedance | >50K Ω | >40K Ω | >50K Ω | >40K Ω | >40K Ω | >40K Ω |
| Maximum Input Level: Software selectable for +14, +16, +18, +20, +22, +24, +26, +28dBu | | | | | • | |
| Maximum Input Level: Hardware selectable for +30, +22, +14 dBu | | | • | • | | |
| Maximum Input Level: Software selectable for +14, +20, +24, +28 | | | • | | | |
| Maximum Input Level: +20dBu | • | • | | | | • |
| CMRR: >40dB typical, >55 dB at 1kHz | | | | | • | • |
| CMRR: >45dB | • | • | TBD | • | | |
| RTA Mic Phantom Power Voltage | 15V DC | 15V DC | 15V DC | 15V DC | 48V DC | |
| OUTPUTS | | | | | | |
| Number of Outputs | 6 | 6 | 6 | 6 | 8 | 2 |
| Connectors: XLR | • | • | • | • | • | • |
| Connectors: Euroblock | | | | | | • |
| Type: Electronically balanced, RF filtered | • | • | • | • | • | • |
| Impedance | 120 Ω | 120 Ω | TBD | 120 Ω | 30 Ω | 120 Ω |
| Maximum Output Level: Software selectable for +24, +22, +20, +12, +8, +4dBu | | | | | • | |
| Maximum Output Level: +20dBu | • | • | | | | • |
| Maximum Output Level: +22dBu | | | • | • | | |
| A/D PERFORMANCE | | | | | | |
| Type: dbx Type IV™ Conversion System | • | • | • | • | • | • |
| Dynamic Range: (dB) A-weighted | 112 | 110 | TBD | 114 | 116 | 114 |
| Dynamic Range: (dB) Unweighted | 110 | 107 | TBD | 112 | 113 | 112 |
| Sample Rate | 48kHz | 48kHz | 48kHz | 48kHz | 48kHz | 48kHz |
| A/D Wordlength: (bit) | 24 | 24 | 24 | 24 | 24 | 24 |
| D/A PERFORMANCE | | | | | | |
| Dynamic Range: (dB) A-weighted | 112 | 112 | TBD | 112 | 115 | 112 |
| Dynamic Range: (dB) unweighted | 110 | 110 | TBD | 110 | 112 | 109 |
| Sample Rate | 48kHz | 48kHz | 48kHz | 48kHz | 48kHz | 48kHz |
| A/D Wordlength: (bit) | 24 | 24 | 24 | 24 | 24 | 24 |
| SYSTEM PERFORMANCE | | | | | | |
| Internal Processing Wordlength | 32-bit float | 24-bit | 24-bit | 24-bit | 32-bit float | 24-bit |
| Dynamic Range: >110 dB A-weighted, >107dB unweighted | • | • | TBD | • | • | • |
| THD + Noise: % typical at +4dBu, 1kHz, 0dB input gain | 0.003 | 0.004 | TBD | 0.003 | 0.004 | 0.003 |
| Frequency Response: 20Hz - 20kHz, +/-0.5dB | • | • | • | • | | • |
| PRE EQ – (Input) | | | | | | |
| Type | GEO and PEQ | GEO | GEO and PEQ | | | |
| Frequency Response: 20 Hz- 20 kHz, +/-0.25 dB, <10Hz - 50kHz +/-0.3dB @ 96kHz | | | | | • | |
| Number: Graphic EQ bands | 31-band | 28-band | 31-band | 28-band | 31-band | 28-band |
| Range: +/-12dB range | • | • | • | • | | • |
| Range +/-15dB range | | | | | • | |
| NOTCH FILTERS | | | | | | |
| Number: 6 per input channel | | | | • | • | • |
| PRE DELAY – (Input) | | | | | | |
| Total Delay Time: ms | 100 | N/A | 1000 | CONFIGURABLE | 2720 | N/A |
| Maximum Delay Time per Channel: ms | 100 | N/A | 1000 | CONFIGURABLE | 680 | N/A |
| Maximum Delay Time for a Single Channel: ms | 100 | N/A | 1000 | 1300 | 680 | N/A |
| POST DELAY (DRIVER ALIGNMENT) – (Output) | | | | | | |
| Total Delay Time: ms | 60 | N/A | 1000 | CONFIGURABLE | 1360 | 1300 |
| Maximum Delay Time per Channel: ms | 10 | N/A | 1000 | CONFIGURABLE | 170 | 650 |
| Maximum Delay Time for a Single Channel: ms | 10 | N/A | 1000 | 1300 | 1360 | 650 |
| CROSSOVER | | | | | | |
| Type: 1x1, 1x2, 1x3, 1x4, 1x5, 1x6, 1x7, 1x8, 2x2, 2x3, 2x4, 2x5, 2x6, 2x7, 2x8, 3x3, 3x4, 3x6, 3x7, 4x4, 4x8 | | | | | • | |
| Type: 1x1, 1x2, 1x3, 1x4, 1x5, 1x6, 2x2, 2x3, 2x4, 2x5, 2x6, 3x3, 3x4, 3x5, 3x6 | | | | | | |
| Type: 1x1, 1x2, 1x3, 1x4, 1x5, 1x6, 2x2, 2x3, 2x4, 2x5, 2x6 | | | • | • | | |
| Type: 1x1, 1x2, 1x3, 2x2, 2x3, 2x4, 2x5, 2x6 | • | • | | | | |
| Type: 1x1, 1x2, 2x2, 2x3, 2x4 | | | | | | |
| Type: 1x1, 1x2, 2x2 | | | | | | • |
| Bessel 6/12/18/24/30/36/42/48, Butterworth 6/12/18/24/30/36/42/48, Linkwitz-Riley 12/24/36/48 | | | • | | | |
| Filter Type: Bessel 6/12/18/24/36/48, Butterworth 6/12/18/24/36/48, Linkwitz-Riley 12/24/36/48 | | | | | • | |
| Filter Type: Bessel 6/12/18/24, Butterworth 6/12/18/24, Linkwitz-Riley 12/24/36/48 | | | | • | | |
| Filter Type: Butterworth 6/12/18/24/30/36/42/48, Linkwitz-Riley 12/24/36/48 | • | | | | | |
| Filter Type: Butterworth 6/12/18/24, Linkwitz-Riley 12/24 | | • | | | | |
| Filter Type: Bessel 6/12/18/24, Butterworth 6/12/18/24, Linkwitz-Riley 12/24 | | | | | | • |

DR

DRIVERACK SERIES.....continued

LOUDSPEAKER MANAGEMENT SYSTEMS

| | PA2 | PA+ | VENU360 | 260 | 4820 | 220i |
|-----------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| POST EQ - (Output) | | | | | | |
| Number: EQ bands per output channel (mid, low outputs) | 8 | 3 (2) | 8 | 4 | 6 | 4 |
| Range: +/-20dB | | | • | | | |
| Range: +/-12dB | • | • | | • | | • |
| Range: +/-15dB | | | | | • | |
| DYNAMICS | | | | | | |
| Type: Compressor/Limiter with PeakStopPlus® | | | • | • | • | • |
| Type: Compressor/Limiter with PeakPlus® | • | • | | | | |
| NOISE GENERATOR | | | | | | |
| Type: Pink noise generator (PA2 & Venu360 selectable between white or pink noise) | • | | • | • | • | |
| PHASE COMPENSATION | | | | | | |
| Amount: 0-180 degrees variable phase shift control | | | • | • | • | • |
| Output Polarity: Reversible | • | | • | • | • | • |
| MISCELLANEOUS | | | | | | |
| Output Transformers: Optional | | | | | • | |
| GUI: RS-232 port for computer display and configuration | | | | • | • | • |
| GUI: Ethernet port for computer display and configuration | • | | • | | • | |
| Supports optional RTA mic (RTA mic included with PX) | • | • | • | • | • | |
| ROM Update: Flash updatable through USB | • | • | | | | |
| ROM Update: Flash updatable through RS-232 | | | | • | • | • |
| ROM Update: Flash updatable through Ethernet | • | | • | | • | |
| Dimensions: H x W x D | 1.75" x 19" x 5.75" | 1.75" x 19" x 5.75" | 1.75" x 19" x 7.75" | 1.75" x 19" x 7.75" | 3.5" x 19" x 12.15" | 1.75" x 19" x 5.75" |

D

DYNAMICS

| | 266xs | 166xs | 160A | 1074 | 1046 | 1066 |
|-------------------------------------------------------------------------------------------------------------------|---------------------|---------------------|--------------------|------------------|------------------|------------------|
| INPUTS | | | | | | |
| Connectors: X=XLR, T=TRS ¼" | X,T | X,T | X,T | X | X,T | X,T |
| Type: Electronically balanced/unbalanced, RF filtered | • | • | • | • | • | • |
| Impedance: Balanced/Unbalanced (Ωs) | >40k | >50k/>25k | >100k/>50k | >50k/>25k | >40k/>20k | >40k/>20k |
| Max Input Level: Balanced or Unbalanced | >+20dBu | >+24dBu | >+24dBu | >+22dBu | >+22dBu | >+22dBu |
| CMRR: Typical @ 1kHz | >45 | >45 | >45 | >45 | >45 | >45 |
| VCA TYPE | V1 | V1 | V1 | V2 | V2 | V2 |
| SIDECHAIN INSERT Connectors: X=XLR, T=TRS ¼" | T | T | T | T | T | T |
| OUTPUTS | | | | | | |
| Connectors: X=XLR, T=TRS ¼" | X,T | X,T | X,T | X,T | X | X,T |
| Type: Electronically balanced/unbalanced, RF filtered (*266XL is impedance balanced) | * | • | • | • | • | • |
| Impedance: Balanced/Unbalanced (Ωs) | | >120/>60 | >30 | >60/>30 | >30/>15 | >30/>15 |
| Max Output Level: (dBu) | >+21 | >+21 | >+24 | >+22 | >+22 | >+21 |
| SYSTEM PERFORMANCE | | | | | | |
| Bandwidth: 20 Hz to 20 kHz, +0/-0.5 dB (162SL=+0/-0. dB) | • | • | • | • | • | • |
| Noise: < (dBu), unweighted, 22 kHz measurement bandwidth | -90 | -90 | -90 | -94 | -94 | -94 |
| Stereo Coupling: True RMS Power Summing | • | • | • | • | • | • |
| COMPRESSOR | | | | | | |
| Threshold Range: -40 dBu to +20 dBu | • | • | • | | • | • |
| Ratio: 1:1 to ∞:1 | • | • | • | | • | • |
| Threshold Characteristic: Selectable OverEasy® or hard knee | • | • | • | | • | • |
| Attack/Release: Selectable manual or auto | • | • | | | | |
| Attack/Release: Auto | | | • | | • | |
| Output Gain: -20 to +20 dB | • | • | • | • | • | • |
| LIMITER | | | | | | |
| Type (162SL two-stage) | N/A | PEAKSTOP | N/A | N/A | PEAKSTOP PLUS | PEAKSTOP PLUS |
| OPTIONS | | | | | | |
| Output Transformer: Jensen® JT-123-dbx or JT-11-dbx, BCI™ RE-123-dbx or RE-11-dbx; Jensen standard on 160SL/162SL | | | • | • | • | • |
| DIMENSIONS: H x W x D | 1.75" X 19" X 5.75" | 1.75" X 19" X 6.75" | 1.75" X 19" X 6.5" | 1.75" X 19" X 9" | 1.75" X 19" X 9" | 1.75" X 19" X 9" |

ZP

ZONEPRO SERIES

DIGITAL ZONE PROCESSORS

| | 640 641 | 1260 1261 | 640m 641m | 1260m 1261m |
|------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|---------------------|
| INPUTS | | | | |
| Number of Inputs (RTA Mic Input) | 6 | 12 | 6 | 12 |
| Connectors, Euroblock | • | • | • | • |
| Connectors, RCA | 4 | 8 | 2 | 4 |
| Type: Electronically bal/RF filtered | • | • | • | • |
| Impedance, balanced, Euroblock | >50k | >50k | >50k | >50k |
| Impedance, unbalanced, Euroblock (& RCA 1260/1261) | >75k | >25k | >25k | >25k |
| Max Input Line Level: +20dBu Mic/Line, +12dBu RCA | • | • | • | • |
| CMRR: >40dB typical, >55 dB at 1kHz | • | • | • | • |
| Mic Pre Gain | 30-60dB | 30-60dB | 30-60dB | 30-60dB |
| Mic EIN: <-118dB, 22Hz-22kHz, 150k | • | • | • | • |
| RTA Mic Phantom Voltage | 15V | 15V | 15V | 15V |
| OUTPUTS | | | | |
| Number of Outputs | 4 | 6 | 4 | 6 |
| Connectors: Euroblock | • | • | • | • |
| Type: Electronically balanced, RF filtered | • | • | • | • |
| Impedance | 120/60 | 120/60 | 120/60 | 120/60 |
| Maximum Output Level: +20dBu | • | • | • | • |
| A/D PERFORMANCE | | | | |
| Type: dbx Type IV™ Conversion System | • | • | • | • |
| Dynamic Range: (dB) A-weighted | 113 | 113 | 113 | 113 |
| Dynamic Range: (dB) Unweighted | 110 | 110 | 110 | 110 |
| Type IV dynamic Range: >119 dB, A-weighted, 22kHz, BW >117dB, unweighted, 22kHz BW | L | L | L | L |
| Sample Rate | 48kHz | 48kHz | 48kHz | 48kHz |
| A/D Wordlength: (bit) | 24 | 24 | 24 | 24 |
| D/A PERFORMANCE | | | | |
| Dynamic Range: (dB) A-weighted | 112 | 112 | 112 | 112 |
| Dynamic Range: (dB) unweighted | 109 | 109 | 109 | 109 |
| Sample Rate | 48kHz | 48kHz | 48kHz | 48kHz |
| SYSTEM PERFORMANCE | | | | |
| Dynamic Range: >109 dB A-weighted, >106dB unweighted | • | • | • | • |
| Dynamic Range: >110 dB A-weighted, >107dB unweighted | • | • | • | • |
| THD + Noise: % typical at +4dBu, 1kHz, 0dB input gain | 0.003 | 0.003 | 0.003 | 0.003 |
| Frequency Response: 20Hz - 20kHz, +/-0.5dB | • | • | • | • |
| Intercannel Crosstalk: >80dB typical | • | • | • | • |
| Crosstalk input to output: >80dB typical | • | • | • | • |
| Propagation Delay | 0.6 msec | 0.6 msec | 0.6 msec | 0.6 msec |
| PRE EQ - (Input) | | | | |
| Type: Graphic EQ per input channel, or PEQ per input channel | | | 4-band | 4-band |
| POST EQ - (Output) | | | | |
| Number: EQ bands per output channel | | | 6 | 6 |
| DYNAMICS | | | | |
| Type: Compressor/Limiter with PeakStopPlus® | • | • | • | • |
| Type: Compressor/Limiter with PeakPlus® | • | • | • | • |
| Ambient Noise Compensation | | | • | • |
| PHASE COMPENSATION | | | | |
| Output Polarity: Reversible | | | • | • |
| MISCELLANEOUS | | | | |
| ROM Upgrade: Flash upgradable through RS-232 | • | • | • | • |
| Dimensions: H x W x D | 1.75" x 19" x 5.75" | 1.75" x 19" x 5.75" | 1.75" x 19" x 5.75" | 1.75" x 19" x 5.75" |
| Range: +/-12dB range | | | • | • |

MP

MIC PREAMPS

| | 376 | 386 |
|-----------------------------------------------------------------------------------------------------------|---------------------|---------------------|
| MICROPHONE INPUT | | |
| Connector: Female XLR Pin 2 Hot | • | • |
| Type: Electronically balanced/unbalanced | • | • |
| Maximum Input Level: -10dBu or +10 dBu with 20dB pad engaged | | |
| Maximum Input Level: -9 dBu or +11 dBu with 20 dB pad engaged | • | • |
| Gain Adjustment Range: +10dB to +60dB | | |
| Gain Adjustment Range: +30dB to +60dB | • | • |
| Phantom Power | 48V | 48V |
| Pad: 20dB | • | • |
| Equivalent Input Noise: Typically -(dBu) typical with a 150Ω source load "A-weighted" | -120 | -120 |
| LINE INPUT | | |
| Connector: TRS ¼" Jack | • | • |
| Type: Electronically Balanced/unbalanced | • | • |
| Impedance: bal/unbalanced | 20k-40k | 20k-40k |
| Maximum Input Level: +21dBu balanced or unbalanced | | • |
| Maximum Input Level: +18dBu balanced or unbalanced | • | |
| INSTRUMENT INPUT (Front Panel) | | |
| Connector: TS ¼" Jack | • | • |
| Type: Unbalanced | • | • |
| Impedance: 470 kΩ | • | • |
| Maximum Input Level (unbalanced) | +18dBu | +21dBu |
| Insert Connector: TRS ¼" | | • |
| Type: Unbalanced | | • |
| LINE OUTPUT | | |
| Connector: Male XLR Pin 2 Hot and impedance balanced TRS ¼" | • | • |
| Connector: ¼" TRS phone balanced/unbalanced | | |
| Type: Electronically balanced | • | • |
| Maximum Output Level: (XLR) +dBu | >18 | >21 |
| DIGITAL OUTPUTS | | |
| Connectors: XLR for AES/EBU, RCA for S/PDIF I = both connector types | • | • |
| INSERT | | |
| Connector: TRS ¼" | • | TS |
| Ring Impedance: >5kΩ | | |
| Maximum Level: >+21dBu | | |
| WORD SYNC INPUT/OUTPUT | | |
| Connectors: BNC | • | • |
| Input Impedance: 75Ω terminated by internal jumper | • | • |
| Input: 96, 88.2, 48, or 44.1kHz word clock | • | • |
| Output: 96, 88.2, 48, or 44.1kHz word clock | • | • |
| A/D CONVERSION | | |
| Type: dbx Type IV® A/D Conversion System | • | • |
| Sample Rate: 96, 88.2, 48, or 44.1kHz selectable | • | • |
| Wordlength: 24, 20, or 16 bit selectable | • | • |
| Dither Type: TPDF, SNR2, or none | • | • |
| Noise Shape: Shape 1, Shape 2, or none | • | • |
| Output Format: S/PDIF or AES/EBU | • | • |
| Converter Dynamic Range: typical, A-Weighted, 22kHz Bandwidth | 107dB | 107dB |
| D/A CONVERSION | | |
| D-A Conversion 24-bit | • | |
| Dynamic Range: 103 dB typical, A-weighted, 20 kHz bandwidth, 101 dB typical, unweighted, 20 kHz bandwidth | • | |
| THD+Noise: 0.002% typical at +4 dBu, 1 kHz, output gain at 0 dB | • | |
| Frequency Response: 20 Hz to 20 kHz, +0/-0.5 dB | • | |
| Interchannel Crosstalk: < -85 dB at 1 kHz, output gain at 0 dB | • | |
| DIMENSIONS H x W x D | 1.75" x 19" x 7.75" | 1.75" x 19" x 7.75" |

EQ

GRAPHIC EQs

GRAPHIC EQUALIZERS

| | 131s | 215s | 231s | 1215 | 1231 | 2031 | 2215 | 2231 | iEQ15 | iEQ31 |
|-------------------------------------------------------------------------------------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| INPUTS/OUTPUTS | | | | | | | | | | |
| Connectors: 1/4" TRS, XLR (pin 2 hot), and barrier terminal strip | | | | • | • | • | • | • | | |
| Connectors: 1/4" TRS, XLR (pin 2 hot), and Euroblock | | | | | | | | | • | • |
| Connectors: 1/4" TRS, XLR (pin 2 hot) | • | • | • | | | | | | | |
| Type: Electronically balanced/unbalanced, RF filtered | • | • | • | • | • | • | • | • | • | • |
| Input Impedance: Balanced 40k Ω , unbalanced 20k Ω | • | • | • | • | • | • | • | • | • | • |
| Maximum Input Level: >+21dBu balanced or unbalanced | • | • | • | • | • | • | • | • | +22dBu | +22dBu |
| CMRR: >40dB, typically >55dB at 1kHz | • | • | • | • | • | • | • | • | • | • |
| Output Impedance: Electronically balanced 200 Ω , unbalanced 100 Ω | | | | • | • | • | • | • | | |
| Output Impedance: Electronically balanced 120 Ω , unbalanced 60 Ω | | | | | | | | | • | • |
| Output Impedance: balanced 100 Ω , unbalanced 50 Ω | • | • | • | | | | | | | |
| Maximum Output Level | +21dBu | +21dBu | >+21dBu | >+21dBu | >+21dBu | >+21dBu | >+21dBu | >+21dBu | >+20dBu | >+20dBu |
| SYSTEM PERFORMANCE | | | | | | | | | | |
| Bandwidth: 20Hz to 20kHz, +/-0.5dB | • | • | • | • | • | • | • | • | • | • |
| Frequency Response: <10Hz to >50kHz, +/-0.5/-3dB | • | • | • | • | • | • | • | • | • | • |
| THD + Noise: <0.004%, at +4dBu 1kHz | • | • | • | • | • | | | | • | • |
| THD + Noise: <0.04%, 0.02% typical at +4dBu, 1kHz | | | | | | • | • | • | | |
| Interchannel Crosstalk: <-80dB, 20Hz to 20kHz | • | • | • | • | • | • | • | • | • | • |
| Dynamic Range: >108dB, unweighted 22kHz measurement bandwidth | • | • | • | | | | | | | |
| Signal to Noise Ratio: 90dB | • | • | • | | | • | • | • | | |
| Dynamic Range: >112dB, unweighted | | | | • | • | • | • | • | | |
| Signal to Noise: >94dB, unweighted, ref.: +4dBu, 22kHz measurement bandwidth | | | | • | • | • | • | • | | |
| Dynamic Range: 108dB | | | | | | • | • | • | | |
| Noise Reduction: Up to 20dB of dynamic broadband noise reduction | | | | | | • | • | • | | |
| Noise Reduction: Up to 10dB of dynamic broadband noise reduction | | | | | | | | | • | • |
| Noise Reduction In (+/-6dB and +/-15dB range) | | | | | | | | | | |
| Dynamic Range: >120dB, unweighted | | | | | | • | • | • | | |
| Signal to Noise Ratio: >102dB, unweighted, ref.: +4dBu, 22kHz measurement bandwidth | | | | | | • | • | • | | |
| Dynamic Range: 109dB 115dB | | | | • | • | | | | | |
| Signal to Noise: >94dB, unweighted, ref.: +4dBu, 22kHz measurement bandwidth | | | | • | • | • | • | • | | |
| Digital Resolution: 24 bits | | | | | | | | | • | • |
| Sample Frequency: 48kHz | | | | | | | | | • | • |
| Latency: 2msec | | | | | | | | | • | • |
| FUNCTION SWITCHES | | | | | | | | | | |
| AFS: Activates dbx AFS™ | | | | | | | | | • | • |
| Type V: Activates dbx Type V™ Noise Reduction | | | | | | | | | • | • |
| Type III: Activates dbx Type III™ Noise Reduction | | | | | | • | • | • | | |
| EQ Bypass: Bypasses the graphic equalizer section in the signal path | • | • | • | • | • | • | • | • | • | • |
| Low Cut (recessed): Active the 40Hz 18dB/octave Bessel high-pass filter | | | | • | • | • | • | • | • | • |
| Low Cut: Active the 50Hz 12dB/octave high-pass filter | • | • | • | | | | | | | |
| Range: (recessed) Selects either +/-6dB or +/- 15dB slider boost/cut range | | | | • | • | • | • | • | • | • |
| Range: Selects either +/-6dB or +/- 12dB slider boost/cut range | • | • | • | | | | | | | |
| FUNCTION SWITCHES | | | | | | | | | | |
| AFS: Activates dbx AFS™ | | | | | | | | | • | • |
| Type V: Activates dbx Type V™ Noise Reduction | | | | | | | | | • | • |
| Type III: Activates dbx Type III™ Noise Reduction | | | | | | • | • | • | | |
| EQ Bypass: Bypasses the graphic equalizer section in the signal path | • | • | • | • | • | • | • | • | • | • |
| Low Cut (recessed): Active the 40Hz 18dB/octave Bessel high-pass filter | | | | • | • | • | • | • | • | • |
| Low Cut: Active the 50Hz 12dB/octave high-pass filter | • | • | • | | | | | | | |
| Range: (recessed) Selects either +/-6dB or +/- 15dB slider boost/cut range | | | | • | • | • | • | • | • | • |
| Range: Selects either +/-6dB or +/- 12dB slider boost/cut range | • | • | • | | | | | | | |
| INDICATORS | | | | | | | | | | |
| 4-LED bar graph (Green, Green, Yellow, Red) at -10, 0, +10, and +18dBu | • | • | • | • | • | • | • | • | • | • |
| Gain Reduction Meter: | | | | | | • | • | • | • | • |
| 4-LED bar graph (all Red) at 3, 6, and 10dB | | | | | | • | • | • | | |
| Type III™ NR Active: Yellow LED | | | | | | • | • | • | | |
| Type V™ NR Active: Yellow, Green, Red LED | | | | | | | | | • | • |
| AFS™ Active: Red LED | | | | | | | | | • | • |
| EQ Bypass: Red LED | • | • | • | • | • | • | • | • | • | • |
| Clip: Red LED | • | • | • | • | • | • | • | • | • | • |
| Low Cut Active: Red LED | • | • | • | • | • | • | • | • | • | • |
| +/-6dB range: Red LED | | | | • | • | • | • | • | | |
| +/-12dB range: Red LED | • | • | • | | | | | | | |
| +/-15dB range: Red LED | | | | • | • | • | • | • | • | • |

EQ

GRAPHIC EQs.....continued

GRAPHIC EQUALIZERS

| | 131s | 215s | 231s | 1215 | 1231 | 2031 | 2215 | 2231 | iEQ15 | iEQ31 |
|-----------------------------------------------------------------|------------------|------------------|-----------------|-------------------|--------------------|------------------|-------------------|--------------------|-------------------|--------------------|
| POWER SUPPLY | | | | | | | | | | |
| Operating Voltage: 100VAC 50/60Hz, 120VAC 60Hz - 230VAC 50/60Hz | • | • | • | • | • | • | • | • | | |
| Power Consumption: (watts) | 12 w | 12 w | 15 w | 24 w | 24 w | 12 w | 24 w | 24 w | 17 w | 17 w |
| Mains Connection: IEC receptacle | • | • | • | • | • | • | • | • | • | • |
| DIMENSIONS: H x W x D | 1.75" x 19" x 6" | 1.75" x 19" x 6" | 3.5" x 19" x 6" | 3.5" x 19" x 7.9" | 5.25" x 19" x 7.9" | 1.75" x 19" x 6" | 3.5" x 19" x 7.9" | 5.25" x 19" x 7.9" | 3.5" x 19" x 7.9" | 5.25" x 19" x 7.9" |

DB

DIRECTBOXES

ACTIVE AND PASSIVE DIRECT BOXES

| | dB10 | dB12 |
|-----------------------------------------------------------------------------------------|-----------------------|-----------------------|
| CIRCUIT TYPE | PASSIVE | ACTIVE |
| INPUTS | | |
| Number of Connectors: Instrument/line/speaker level | 1 | 1 |
| 1/4" TS Connection (Tip Hot, Sleeve GND) | • | • |
| Unbalanced, RF Filtered | • | • |
| Attenuation Pad: Switchable 0, 20, 40 dB | • | • |
| Filter: Switchable, Low Pass @ 6 kHz (40 dB pad position only) | • | • |
| Max Input Level (0 dB Pad) | +33dBu | +10dBu |
| Max Input Level (20 dB Pad) | +33dBu | +30dBu |
| Max Input Level (40 dB Pad) | +33dBu | +33dBu |
| Input Impedance (0 dB) | 80k Ω | 1M Ω |
| Input Impedance (-20 dB) | 65k Ω | 65k Ω |
| Input Impedance (-40 dB) | 70k Ω | 70k Ω |
| OUTPUTS | | |
| Main Output: Male XLR Balanced, Pin 2 Hot | • | • |
| Thru Output: 1/4" Unbalanced, TS (Tip Hot, Sleeve GND) | • | • |
| Main Output Impedance: 600 Ω Typical, balanced | • | • |
| Main Output CMRR: 128 dB typical @ 60 Hz, 104 dB typical @ 1 kHz, 98 dB typical @ 10 Hz | • | • |
| Main Output CMRR: 106 dB typical @ 60 Hz, 123 dB typical @ 1 kHz, 108 dB typical @ 10Hz | | • |
| PERFORMANCE | | |
| Bandwidth: 20 Hz to 20 kHz +/-0.1 dB typical | • | |
| Bandwidth: 20 Hz to 20 kHz +/-2 typical with 600 Ω load | | • |
| Frequency Response: <10 Hz to 80 kHz, -3 dB | • | |
| Frequency Response: 10 Hz to 70 kHz, -3 dB with 2 k Ω or higher load | | • |
| Insertion Loss: 21 dB typical | • | |
| Insertion Loss: 1 dB typical | | • |
| Harmonic Distortion: (THD+N) 0.002% typical @ 1 Hz, 0dBu | • | |
| Harmonic Distortion: (THD+N) 0.003% typical @ 1 Hz, 0dBu | | • |
| Noise Floor: -120 dBu, 22 Hz to 22 kHz, unweighted | • | |
| Noise Floor: -112 dBu, 22 Hz to 22 kHz, unweighted | | • |
| Dynamic Range: 153 dB, 22 Hz to 22 kHz, unweighted | • | |
| Dynamic Range: 122 dB, 22 Hz to 22 kHz, unweighted | | • |
| POWER SUPPLY | | |
| Voltage: +48 V Phantom Power | | • |
| Current: < 8 mA | | • |
| DIMENSIONS: H x W x D | 2.20" x 5.44" x 5.82" | 2.20" x 5.44" x 5.82" |

PM

PMC16

PERSONAL MONITOR CONTROLLER

| | PMC16 |
|----------------------------------------------------------------------------------|-----------------------------------------|
| AUDIO PERFORMANCE | |
| Frequency Response: +0/-0.2 dB 20 Hz – 20 kHz (Measured at 0 dBu output level) | • |
| Dynamic Range: >108 dB unweighted 22 Hz – 22 kHz bandwidth >112 dB A-weighted | • |
| THD+N: <.005% 20 Hz – 20 kHz (Measured at 0 dBu output level) | • |
| Crosstalk: <-97 dB 20 Hz – 20 kHz | • |
| BLU LINK DIGITAL AUDIO BUS | |
| Bit Depth: 24-bit | • |
| Sample Rate: 48 kHz or 96 kHz | • |
| Connectors: 2 x RJ45 Ethernet connectors | • |
| Max Cable Length: 100 m/300 ft between devices (Category 5e cable) | • |
| Max Number of Nodes | 60 |
| Latency Per Node: 4/Fs [0.08 ms @ 48 kHz, 0.04 ms @ 96 kHz] | • |
| ANALOG OUTPUTS (XLR & 1/4") | |
| Max Output Level | 20 dBu |
| Output Impedance | 40Ω |
| HEADPHONE OUTPUTS (1/8" & 1/4") | |
| Power/Impedance: 900 mW per channel at 50Ω (1/8" and 1/4" jacks are in parallel) | • |
| POWER | |
| Adapter: PS0920DC-01 (100-240 V AC, 50/60 Hz) | • |
| Power Consumption | 18 W |
| Power Requirements: 9 V DC 2.0 A | • |
| WEIGHT/DIMENSIONS | |
| Product Weight | 2.26 lb (1.03 kg) |
| Power Supply Weight | 0.31 lb (0.14 kg) |
| Dimensions | 2 1/8" (H) x 11 5/6" (W) x 4 13/16" (D) |

PM

TR1616

PERFORMANCE I/O PERSONAL MONITOR SOLUTION

| | TR1616 |
|--------------------------------------------------------------------------------------------|--------|
| ANALOG INPUTS | |
| Number of Inputs | 16 |
| Connectors: Combination Female XLR and 1/4" Jack | • |
| Type: Electronically balanced, RF Filtered | • |
| Impedance: XLR input: 3kΩ, 1/4" input: 20kΩ balanced, 10kΩ unbalanced | • |
| Max Input Level: XLR Input: +18dBu at minimum gain, 1/4" Input: +33dBu at minimum gain | • |
| Gain: XLR Input: 0 to +60dB, 1/4" Input: -15 to +45dB | • |
| EIN: -125dBu, 22Hz-22kHz, 150Ω source impedance | • |
| CMRR: >40dB, typically 55dB, 22Hz-22kHz | • |
| Dynamic Range: 110dB unweighted, 113dB A-weighted | • |
| Frequency Response: 10Hz to 40kHz, +/- 0.25dB at 96kHz, 10Hz to 20kHz, +/- 0.25dB at 48kHz | • |
| THD+N: Typically 0.002% at 1kHz, 0dBu XLR input, gain set to minimum | • |
| Interchannel Crosstalk: <100dB, 22Hz to 22kHz | • |
| ADC Latency: 37/Fs (0.77msec at 48kHz) | • |
| Phantom Power: applied to XLR pins 2 and 3 through 6.81k resistors | +48VDC |
| Pad | 20dB |
| Low Cut Filter: 2-pole Butterworth filter at 80Hz | • |
| Polarity: Normal or Reverse | • |
| ANALOG OUTPUTS | |
| Number of Outputs | 16 |
| Connectors: Male XLR | • |
| Type: Cross-Coupled Electronically balanced, RF Filtered | • |
| Impedance: 40Ω balanced, 20Ω unbalanced | • |
| Maximum Output Level: +20dBu into 2kΩ load or greater | • |
| Dynamic Range: 112dB unweighted, 115dB A-weighted | • |
| Frequency Response: 10Hz to 40kHz, +/- 0.25dB at 96kHz 10Hz to 20kHz, +/- 0.25dB at 48kHz | • |
| THD+N: Typically 0.006% at 1kHz, 0dBu output | • |
| Interchannel Crosstalk: <-100dB, 22Hz to 22kHz | • |
| DAC Latency: 29/Fs (0.60msec at 48kHz) | • |

C

CROSSOVERS

| | 223s | 223xs | 234s | 234xs |
|------------------------------------------------------------------------|--------------------|--------------------|--------------------|--------------------|
| INPUTS | | | | |
| Connectors | ¼" TRS | XLR | ¼" TRS | XLR |
| Type: Electronically balanced/unbalanced, RF filtered | • | • | • | • |
| Impedance: Balanced > 50 kΩ, unbalanced > 25 kΩ | • | • | • | • |
| Max Input Level: > +21 dBu balanced or unbalanced | • | • | • | • |
| CMRR: > 40 dB, typically > 55 dB at 1 kHz | • | • | • | • |
| OUTPUTS | | | | |
| Connectors | ¼" TRS | XLR | ¼" TRS | XLR |
| Impedance: Balanced 200Ω, unbalanced 100Ω | • | • | • | • |
| Electronically balanced/unbalanced, RF filtered | • | • | • | • |
| Max Output Level: > +21 dBu balanced/unbalanced into 2 kΩ or greater | • | • | • | • |
| SYSTEM PERFORMANCE | | | | |
| Bandwidth: 20 Hz to 20 kHz, +0/-0.5 dB | • | • | • | • |
| Frequency Response: < 3 Hz to > 90 kHz, +0/-3 dB | • | • | • | • |
| Signal-to-Noise: Ref: +4 dBu, 22 kHz measurement bandwidth | • | • | • | • |
| Low Output: > 94 dB (Stereo Mode) > 94 dB (Mono Mode) | • | • | | |
| Low Mid Output: > 94 dB (Mono Mode) | | | • | • |
| High-Mid: > 92 dB (Mono Mode) | | | • | • |
| Mid Output: > 93 dB (Mono Mode) | • | • | • | • |
| High-Mid Output: > 92 dB | | | • | • |
| High Output: > 92 dB (Stereo Mode) > 92 dB (Mono Mode) | • | • | • | • |
| Dynamic Range: > 114 dB, unweighted, any output | • | • | • | • |
| THD+Noise: < 0.004% at +4 dBu, 1 kHz, < 0.04% at +20 dBu, 1 kHz | • | • | • | • |
| Interchannel Crosstalk: < -80 dB, 20 Hz to 20 kHz | • | • | • | • |
| CROSSOVER FREQUENCIES | | | | |
| Stereo Mode: Low/High: 45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting) | • | • | • | • |
| Mono Mode: Low/Mid: 45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting) | • | • | • | • |
| Mid/High: 45 to 960 Hz or 450 Hz to 9.6 kHz (x10 setting) | • | • | • | • |
| Filter Type: Linkwitz-Riley, 24 dB/octave, state-variable | • | • | • | • |
| POWER | | | | |
| Operating Voltage: 100 VAC 50/60 Hz; 120 VAC 60 Hz, 230 VAC 50 HZ | • | • | • | • |
| Power Requirements (watts) | 15 w | 15 w | 15 w | 15 w |
| DIMENSIONS H x W x D | | | | |
| | 1.75" x 19" x 6.9" | 1.75" x 19" x 6.9" | 1.75" x 19" x 6.9" | 1.75" x 19" x 6.9" |

PS

AFS2

ADVANCED FEEDBACK SUPPRESSION

| AFS2 | |
|---------------------------------------------------------------------------------------------------|-------------------------|
| INPUTS | |
| Number of Inputs | 2 |
| Connectors | Female XLR and 1/4" TRS |
| Type: Electronically balanced/unbalanced, RF filtered | • |
| Impedance: Balanced/Unbalanced (Ωs) | 50KΩ /25KΩ |
| Max Input Level: balanced or unbalanced | +20dBu |
| CMRR: >40dB at 1kHz, typically >55dB @1kHz | • |
| OUTPUTS | |
| Number of Outputs | 2 |
| Connectors | Male XLR and 1/4" TRS |
| Type: Electronically balanced/unbalanced, RF filtered | • |
| Impedance: Balanced/Unbalanced (Ωs) Balanced: 120Ω/Unbalanced: 60Ω | 120Ω / 60Ω |
| Max Output Level | +20dBu |
| A/D SYSTEM PERFORMANCE | |
| A-D Conversion: 24-Bit dbx Type IV™ Conversion System | • |
| Converter Dynamic Range: >110dB typical, A-weighted, >107 dB typical, unweighted, 22kHz bandwidth | • |
| Type IV™ Dynamic Range: | • |
| >119dB, A-weighted, 22kHz BW | |
| >117dB, unweighted, 22kHz BW | |
| A/D Conversion: | 24-bit |
| D/A SYSTEM PERFORMANCE | |
| D-A Conversion | 24-bit |
| Dynamic Range: 112dB typical, A-weighted, 109dB typical, unweighted | • |
| Sample Rate | 48kHz |
| THD+N: | • |
| 0.004% typical at 1Vrms input, 1kHz at +4 dBu | |
| 0.006% typical at 0.2Vrms input, 1kHz at -10 dBV | |
| Frequency Response: 20Hz – 20kHz, +/- 1.0dB | • |
| Interchannel Crosstalk: >100dB typical | • |
| Crosstalk input to output: >100dB typical | • |
| Operating Voltage: 100-240VAC, 50Hz/60Hz | • |
| Power Consumption: | 8 Watts |
| UNIT WEIGHT | 4.5 lbs. (2.04 kg) |
| DIMENSIONS: H x W x D | 1.75' x 19' x 5.75' |



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JBL PROFESSIONAL

JBL is the largest brand within Harman. JBL's home base is part of the Harman International Business Campus, located in Northridge in the San Fernando Valley of Los Angeles. The 44 acre site comprises the offices of JBL Professional, along with Harman Corporate Engineering activities and other corporate functions.

JBL Professional's transducer design and manufacturing processes including machining, diaphragm forming, wire milling, voice coil winding, finishing, assembly and testing are all carried out by dedicated, quality-oriented personnel.

JBL Professional loudspeaker enclosures are constructed from components produced in JBL's extensive wood mill. Automated equipment is used extensively for uniformity and efficiency. Innovative techniques in enclosure materials, construction and assembly methods are employed.

JBL Professional has the most rigorous standards for system power rating in the professional loudspeaker industry. Power testing of transducers is an ongoing activity at JBL Professional. Samples from all production lots are tested at full rated power to industry standards to ensure that they meet the rigid performance specifications set for them. This is the professional customer's assurance that JBL loudspeakers will continue to perform as expected in the most rigorous professional applications.

PORTABLE PRODUCTS

TOUR SOUND PRODUCTS

INSTALLATION PRODUCTS

COMMERICAL SOUND PRODUCTS

STUDIO MONITORS

CINEMA LOUDSPEAKER SYSTEMS

LOUDSPEAKER COMPONENTS



EON 600 SERIES



The next step forward in Portable PA technology.

JBL introduced the EON line in 1995, setting the standard for a powered, portable PA that sounded great in a wide variety of applications. The EON 600 Series has been totally redesigned to be more usable, durable, and controllable than ever before. Right away, users will notice the blacked out hardware and a redesigned, road-tough enclosure that allows the speakers to be used in any setting. JBL's patented Image Control Waveguide™ and Pattern Control Aperture™ ensure wide even dispersion across the frequency range. Finally, the Bluetooth app allows the user unprecedented control in a portable, reliable PA system.

- 1000 watt high performance Class-D amplifier technology
- JBL Designed Transducers
- 1" JBL annular polymer diaphragm, neodymium compression driver
- Professional looking, utility-driven cabinet design
- Road tough enclosure with baffles protecting the grille and the back panel
- JBL Image Control Waveguide and Pattern Control Aperture deliver uniform coverage and high intelligibility throughout the entire coverage area
- 4 application based EQ presets - Main, Monitor, Speech and for use with a Subwoofer
- 2 XLR-1/4" combination inputs with level control, XLR loop-through
- iOS and Android app for system control via Bluetooth
- 3 M10 fly points on each model





EON610

TWO-WAY 10" POWERED LOUDSPEAKER SYSTEM

The EON610 is a lightweight loudspeaker system capable of full bandwidth sound reproduction at high levels. Weighing only 26 lbs, the EON610 is a fantastic solution when high quality sound is needed in many varying applications. With the Bluetooth app, the speakers can be optimized for use in various settings, and users can recall those settings instantly the next time around.

- 124 dB peak SPL
- 10" JBL low-frequency driver for low distortion and higher SPL
- 52 Hz-20 kHz frequency response
- 26 lbs



EON612

TWO-WAY 12" POWERED LOUDSPEAKER SYSTEM

The EON612 is a multipurpose self-powered sound reinforcement speaker that is perfect for monitoring, side fills, and speech reinforcement. With four application presets that are available right from the back panel, the EON612 allows users to deploy the product wherever high quality sound is needed.

- 126 dB peak SPL
- 12" JBL low-frequency driver for low distortion and higher SPL
- 48 Hz-20 kHz frequency response
- Low frequency pattern control aperture for excellent off-axis low frequency response
- 33 lbs



EON615

TWO-WAY 15" POWERED LOUDSPEAKER SYSTEM

The EON615 is a powerful portable loudspeaker that delivers high performance sound reinforcement in an acoustically optimized, durable enclosure. Perfect for performing musicians, DJs, Houses of Worship, clubs, and so many others, the EON615 represents the next step forward in portable loudspeaker technology.

- 127 dB peak SPL
- 15" JBL low-frequency driver for low distortion and higher SPL
- 39 Hz-20 kHz frequency response
- Low frequency pattern control aperture for excellent off-axis low frequency response
- 39 lbs



EON 206P

Lightweight, go anywhere packaged PA.

The EON 206P is a portable PA that offers JBL's proven sound quality in an easy to carry package that goes everywhere sound reinforcement is needed. The suitcase style enclosure snaps apart, revealing two two-way speakers and a powered, 6-channel mixer, as well as the necessary cables to plug it in and set it up. Intuitive controls allow users to dial in the perfect mix for live performance, public speaking, classroom settings, and music playback. Weighing only 25 lbs, the EON206P is extremely easy to transport, and its road tough enclosure ensures years of usage in the most demanding conditions.

- 1" neodymium high frequency tweeter
- 6.5" low-frequency driver for low distortion and higher SPL
- Standard 35mm pole sockets fit professional speaker poles
- 100 degree horizontal by 80 degree vertical coverage pattern for best in class coverage
- 160 watt, 6-channel powered mixer

POWERED MIXER INPUT PANEL



The attached mixer has 6 inputs: The 2 mono inputs are comprised of a combination input connector, MIC/LINE selector, Treble and Bass controls, Reverb, and channel volume controls. The 4 stereo inputs are where you can connect musical instruments and external sound sources (like MP3 or CD players). The stereo inputs labeled "CH 3/4" offer the option of using RCA or 1/4 and include a volume control. The input labeled "CH5/6" is a 3.5 mm stereo input of the type typically found on personal music players. The "Monitor Out" enables sourcing to recording devices, additional powered speakers, or mixers via RCA connectors.





PRX700 SERIES

POWERFUL. SCALABLE. VERSATILE.

For portable and install applications

The PRX700 Series represent an evolutionary step in the efficient use of amplifier power, rugged durability, and enhanced versatility in a self-powered loudspeaker. PRX700 has been designed from the ground up to perform in the real world of sound reinforcement where challenging audio environments, high ambient noise levels and loud volumes are typical. They are the first systems to use our patented Differential Drive technology with ferrite magnets featuring high power, wide bandwidth and low distortion. Versatile, scalable, easy-to-transport and setup, the PRX700 Series are built on JBL's tour tested technology for a lifetime of reliable performance you can trust.



TOUR TESTED FOR A LIFETIME OF RELIABLE PERFORMANCE

- 1500 watt high performance Class-D amplifier technology
- JBL Differential Drive woofers
- DSP input section with crossover, dynamic limiting, and component optimization
- User selectable system EQ
- XLR-1/4" combination inputs, RCA inputs, and XLR loop-through
- Lightweight poplar plywood cabinets protected by JBL's rugged DuraFlex finish
- Integrated M10 suspension points for easy installation and setup
- 1.5" neodymium high frequency compression drivers

PRX700 SERIES
PORTABLE PRODUCTS





PRX710

10" POWERED TWO-WAY SPEAKER SYSTEM

PRX710 is the most compact and versatile speaker in the series. Designed to deliver maximum performance for its weight and size as a front of house main PA, The PRX710 is a perfect match with the PRX715XLF series subwoofer, offering a high performance self-powered sub/sat system.

- 100° x 60° nominal coverage pattern
- 133 dB peak SPL
- 43 Hz-20 kHz frequency response
- 36 lbs



PRX712

12" POWERED TWO-WAY MAIN/FLOOR MONITOR SYSTEM

PRX712 is compact and versatile. It has been designed to deliver maximum performance as both a stage monitor and a front of house main PA. The PRX712 is a perfect match with a PRX715XLF or PRX718XLF subwoofer, offering a high performance self-powered sub/sat system.

- 90° x 50° nominal coverage pattern
- 135 dB peak SPL
- 45 Hz-19.5 kHz frequency response
- 42.5 lbs



PRX715

15" POWERED TWO-WAY MAIN/FLOOR MONITOR SYSTEM

PRX715 offers the perfect balance between size and performance. Its asymmetrical design makes this a perfect choice for musicians, entertainers and DJs when portability is key, or when hung by the suspension points, an exceptional light-duty installation speaker. It is also a perfect match with the PRX715XLF or PRX718XLF subwoofer for a high performance full-range sound system.

- 90° x 50° nominal coverage pattern
- 136 dB peak SPL
- 43 Hz-19.5 kHz frequency response
- 47.5 lbs



PRX725

DUAL 15" POWERED TWO-WAY MAIN SYSTEM

PRX725 is an optimal solution when simple setup and full bandwidth output at high levels are required. The dual 15" woofer design creates enough low frequency content to serve most live music or music playback situations. When coupled with a PRX718XLF the system becomes a high volume sound reinforcement solution, perfect for regional tour companies and AV Rental companies looking for a scalable, easy to employ audio solution.

- 90° x 50° nominal coverage pattern
- 139 dB peak SPL
- 40 Hz-18.5 kHz frequency response
- 82 lbs



PRX735

15" POWERED THREE-WAY MAIN SYSTEM

PRX735 is ideally suited to applications where the program material exhibits subtlety and nuance. Perfectly capable of reproducing high fidelity full range sound, when coupled with the extended low frequencies of the PRX718XLF, complete control over the entire audio spectrum is attained.

- 90° x 50° nominal coverage pattern
- 136 dB peak SPL
- 34 Hz-20 kHz frequency response
- 77 lbs



PRX715XLF

15" POWERED EXTENDED LOW FREQUENCY SUBWOOFER SYSTEM

PRX715XLF is an extended low frequency compact subwoofer designed and engineered to provide sub bass frequencies with accuracy and power. Used as a single sub in a sub/sat system or in multiples as part of a scalable large format sound system, the PRX715XLF performs with exceptional efficiency and control.

- 2 x XLR-1/4" combination inputs with 2 x XLR loop-thru
- Integrated stereo pass-thru with selectable HP filter and polarity reverse
- Integrated M20 threaded pole receptacle
- 131 dB peak SPL
- 37 Hz-113 Hz frequency response
- 56 lbs



PRX718XLF

18" POWERED EXTENDED LOW FREQUENCY SUBWOOFER SYSTEM

PRX718XLF is an extended low frequency subwoofer designed and engineered to provide sub bass frequencies with accuracy and power. Used as a single sub in a sub/sat system or in multiples as part of a scalable large format sound system, the PRX718XLF performs with exceptional efficiency and control.

- 2 x XLR-1/4" combination inputs with 2 x XLR loop-thru
- Integrated stereo pass-thru with selectable HP filter and polarity reverse
- Integrated M20 threaded pole receptacle
- 134 dB peak SPL
- 30 Hz-103 Hz frequency response
- 81 lbs



JRX200 SERIES

AFFORDABLE, RELIABLE, HIGH QUALITY SOUND

JRX200 delivers the performance and prestige JBL is known for at an affordable price point. These speaker systems have been stripped down to the bare essentials of high quality sound, allowing JBL to offer a system with a popular price point and proven JBL performance.

JRX200 SERIES
PORTABLE PRODUCTS



JRX212

TWO-WAY 12" PASSIVE LOUDSPEAKER SYSTEM

The JRX212 is a compact and low profile stage monitor with optimized performance in the critical mid-range. It also includes JBL's dual angle pole socket for use as a front-of-house speaker

- 250 watt passive system with 1000 watt peak power rating
- Includes monitor angle and dual angle 35mm pole socket
- 128 dB peak SPL
- 60 Hz-20 kHz frequency response
- 43 lbs



JRX215

TWO-WAY 15" PASSIVE LOUDSPEAKER SYSTEM

The JRX215 is a trapezoidal 15" speaker system for use in live sound, dance music, and speech reinforcement. The speaker includes a dual-angle 35mm pole mount socket.

- 250 watt passive system with 1000 watt peak power rating
- Includes dual angle 35mm pole mount socket
- 129 dB peak SPL
- 41 Hz-18 kHz frequency response
- 60.5 lbs



JRX225

TWO-WAY DUAL 15" PASSIVE LOUDSPEAKER SYSTEM

The JRX225 is a portable dual 15" two-way speaker system designed specifically for applications in live music performance and playback.

- 500 watt passive system with 2000 watt peak power rating
- 133 dB peak SPL
- 42 Hz-18 kHz frequency response
- 94 lbs



JRX218S

18" PASSIVE SUBWOOFER SYSTEM

The JRX218S subwoofer is driven by a massive JBL 18" woofer with a cast frame. A top mounted cast aluminum 36mm pole mount receptacle facilitates the use of the JRX218S as a base for a mid-high speaker cabinet.

- 350 watt passive system with 1400 watt peak power rating
- 133 dB peak SPL
- 34 Hz-25 Hz frequency response
- 71 lbs



Left: Built in dual-angle pole mount sockets on PRX412M and PRX415M.



Right: Twelve built-in M10 suspension points.

PRX400 SERIES

AFFORDABLE, PROFESSIONAL PERFORMANCE

PRX400 passive speakers were designed to provide the sensitivity, frequency response and power handling needed for almost any professional audio environment while still being reasonably priced. Whether you use a powered mixer or an equipment rack full of amps and signal processing, PRX400 passive speakers deliver the sound, power and bandwidth necessary to make loud music sound natural and even quiet speech intelligible. Utilizing poplar and birch enclosures as well as JBL's rugged DuraFlex coating, these speakers are road tough and ready to perform in any environment.



PRX412M

TWO-WAY 12" PASSIVE LOUDSPEAKER SYSTEM

Used as either a high performance satellite speaker or a stage monitor, the PRX412M is a fantastic, versatile system for a variety of applications. Features the dual angle pole mount allowing it to be mounted vertically or with a 10 degree down tilt.

- 300 watt passive system with 1200 watt peak power rating
- Includes M10 suspension points for easy rigging and available in white
- 126 dB peak SPL
- 50 Hz-20 kHz frequency response
- 35 lbs



PRX415M

TWO-WAY 15" PASSIVE LOUDSPEAKER SYSTEM

Used as either a high performance satellite speaker or a stage monitor, the PRX415 delivers excellent clarity and fidelity in even the most demanding sound reinforcement applications. Features the dual angle pole mount allowing for it to be mounted vertically or with a 10 degree down tilt.

- 300 watt passive system with 1200 watt peak power rating
- Includes M10 suspension points for easy rigging and available in white
- 129 dB peak SPL
- 55 Hz-19 kHz frequency response
- 46 lbs



PRX425

TWO-WAY DUAL 15" PASSIVE LOUDSPEAKER SYSTEM

An excellent choice when the application calls for high performance and simplicity. A pair of PRX425s is a complete sound system capable of reproducing bass and kick drum or playing high-level music in clubs.

- 600 watt passive system with 2400 watt peak power rating
- 90(H) x 50(V) waveguide for uniform audience coverage
- 134 dB peak SPL
- 48 Hz-19 kHz frequency response
- 74 lbs



PRX418S

18" PASSIVE SUBWOOFER SYSTEM

Compact, high power subwoofer system containing a JBL Selenium 18" woofer in a front loaded vented enclosure. When combined with the PRX400 two-way models, it provides a sub/sat system capable of generating 135dB of full-range, high quality audio.

- 800 watt passive system with 3200 watt peak power rating
- 130 dB peak SPL
- 35 Hz-250 Hz frequency response
- 79 lbs

PRX400 SERIES
PORTABLE PRODUCTS





STX800® SERIES

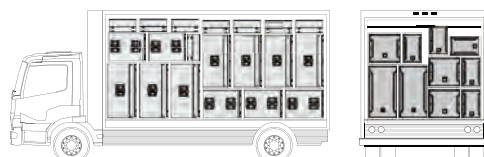
DESIGNED WITH TIME TESTED
JBL TECHNOLOGY

HIGH PERFORMANCE, HIGH DENSITY SYSTEM SOLUTION

Total Performance

The STX800 Series embodies the Total Performance principle that drives JBL's development of audio products that make a real difference in the world of professional audio. Their superb sonic performance is based on time tested JBL technology: high power handling transducers that deliver extremely low distortion, precision waveguides for exact pattern control, and intelligent cabinet architecture that is engineered for easy handling, minimal space displacement and rugged transport. And the appearance was sculpted to complement our high end VTX touring systems as well as our current PRX portable offerings. STX is V5 compliant with tunings available in Performance Manager and Crown ITHD power amplifiers.

- Four full-range systems and two subwoofers
- High performance, high density system solution in a truck-pack friendly format
- High power handling transducers that deliver extremely low distortion
- Precision waveguides for exact pattern control
- All enclosures built with top quality birch/poplar plywood
- Compatible with Crown VRack and V5 level processing
- Integrated into JBL HiQnet Performance Manager



TRUCK PACK FRIENDLY

All STX800 Series cabinets were sized in an effort to maximize the interior compartments of most standard transport vehicles. Considerations were made to help STX owners exploit the given area in an effort to reduce fuel costs by eliminating additional vehicles or extra trips.



STX812M

12" TWO-WAY STAGE MONITOR

Designed specifically to be a high performance 12" two-way floor monitor, can also do double duty as a utility speaker for use on a tripod stand or over a subwoofer, utilizing a single-position pole mount. A 70° by 70° waveguide is utilized for precise coverage.

- 800 watt continuous power rating at 8 ohms
- 3" neodymium magnet compression driver
- 130 dB peak SPL
- 50 Hz-20 kHz frequency response



STX815M

15" TWO-WAY SYSTEM

Single 15" lightweight two-way system designed as a high power handling, Front of House loudspeaker system or as an extended range floor monitor. Offers an extremely high level of performance either ground, pole or stand mounted.

- 800 watt continuous power rating at 8 ohms
- 3" neodymium magnet compression driver
- 131 dB peak SPL
- 41 Hz-20 kHz frequency response



STX825

DUAL 15" TWO-WAY SYSTEM

Designed for maximum impact, portability and ease of use. With a wide frequency range and broad 90° x 50° coverage, this speaker is ideal for bands or DJs as their primary PA, use as a side-fill on a concert stage, or as an install speaker in a dance club or performance venue.

- 1600 watt continuous power rating at 4 ohms
- 4" neodymium magnet compression driver
- 136 dB peak SPL
- 34 Hz-20 kHz frequency response



STX835

DUAL 15" THREE-WAY SYSTEM

Slot-loaded dual 15" three-way system with horn-loaded mid and high sections, designed for full-range use in stand-alone applications or for use in high performance environments as the premier ground stack passive top box. The 60° x 40° mid and high frequency waveguides allow two cabinets to be splayed for wide angle coverage.

- 1600 watt continuous power rating at 4 ohms
- Cone Midrange Compression Driver provides low midrange distortion, increased sensitivity and extended bandwidth
- 134 dB peak SPL
- 32 Hz-20 kHz frequency response



STX818S

SINGLE 18" COMPACT SUBWOOFER SYSTEM

Front-loaded, vented enclosure designed for minimum frontal area provides 1,000 watt of continuous pink noise power handling and 4kW peak. Comes equipped with a top-mounted M20 pole-mount and an optional wheel kit.

- 1000 watt continuous power rating at 8 ohms
- Large port area for reduced distortion
- 132 dB peak SPL
- 40 Hz-120 Hz frequency response



STX828S

DUAL 18" HIGH POWER SUBWOOFER SYSTEM

Front-loaded, vented enclosure designed for maximum low-frequency performance. Two drivers give 2,000 watts of continuous pink noise power handling with 8kW peak. Optional wheel kit.

- 2000 watt continuous power rating at 4 ohms
- Dual 18" Super Vented Gap woofers for extended low frequency output
- 138 dB peak SPL
- 37 Hz-120 Hz frequency response



VRX932LA-1
(3 shown)
VRX932LAP



VRX928LA
(2 shown)

VRX915S



VRX900 SERIES

HIGH PERFORMANCE CONSTANT CURVATURE LINE ARRAY

Extraordinary power handling, clarity and flexibility

The VRX Series addresses the growing need for a small format professional sound system for sound rental companies, fixed installations and musicians looking for the ultimate in performance and portability. Sharing components with the JBL VERTEC Series, the VRX series features the performance of high end line arrays in a compact format. Its affordable and flexible and provides outstanding coverage and output coherence, while delivering extraordinary power handling, clarity and flexibility.

STUNNING, LEGENDARY JBL SOUND

- Constant curvature line array system for an easy to use controlled, coherent coverage pattern
- High performance, lightweight neodymium Differential Drive Woofers
- Powered by high performance, ultra-compact Crown Class-D amplification
- Simplified rigging and quick connections ensure fast setup and takedown
- Constructed with premium birch plywood and coated in JBL's rugged DuraFlex finish
- VRX Array Tool available for the user to understand and properly deploy the array

VRX918S
VRX918SP



VRX915M

VRX915M

15" TWO-WAY FLOOR MONITOR

Dedicated, compact and lightweight 15" two-way touring class floor monitor using JBL's latest neodymium transducers.

- 800 watt continuous power rating at 8 ohms
- 50° x 90° nominal coverage
- 4" neodymium magnet compression driver

VRX928LA

8" TWO-WAY COMPACT LINE ARRAY SPEAKER SYSTEM

Lightweight compact 8" two-way line array speaker system designed for use in arrays of up to six units. The ideal choice when line array performance is needed but the venue size doesn't call for the very long-throw characteristics of the larger VRX932LA.

- 400 watt continuous power rating at 8 ohms
- Includes switches for amplitude shading on each enclosure
- Available in white

VRX932LA-1

12" TWO-WAY COMPACT LINE ARRAY SPEAKER SYSTEM

Lightweight compact 12" two-way line array speaker system designed for use in arrays of up to six units. VRX932LA-1 can be suspended in a single array for nominal vertical coverage up to 90 degrees or used on a pole over subwoofers.

- 800 watt continuous power rating at 8 ohms
- Includes switches for amplitude shading on each enclosure
- Available in white

VRX932LAP

12" POWERED TWO-WAY COMPACT LINE ARRAY SYSTEM

Powered lightweight 12" two-way line array system designed for use in arrays of up to five units. Can be suspended in a single array for nominal vertical coverage up to 75 degrees or used on a pole over subwoofers.

- Powered by JBL DPC-2 amplifier module designed by Crown
- Includes rigging hardware for simple connection and dual angle pole socket
- Includes switches for amplitude shading on each enclosure

VRX915S

15" COMPACT HIGH POWER SUSPENDABLE SUBWOOFER

Compact, high power suspendable subwoofer system containing a 15" neodymium Differential Drive woofer in a front loaded, vented enclosure.

- 800 watt continuous power rating at 4 ohms
- Includes rigging hardware and M20 threaded pole socket
- Available in white

VRX918S

18" COMPACT HIGH POWER SUSPENDABLE SUBWOOFER

Compact high power suspendable subwoofer system using an 18" Differential Drive woofer in a front-loaded, vented enclosure. For applications requiring the sonic and practical advantages of integrating the subwoofers into the flying array.

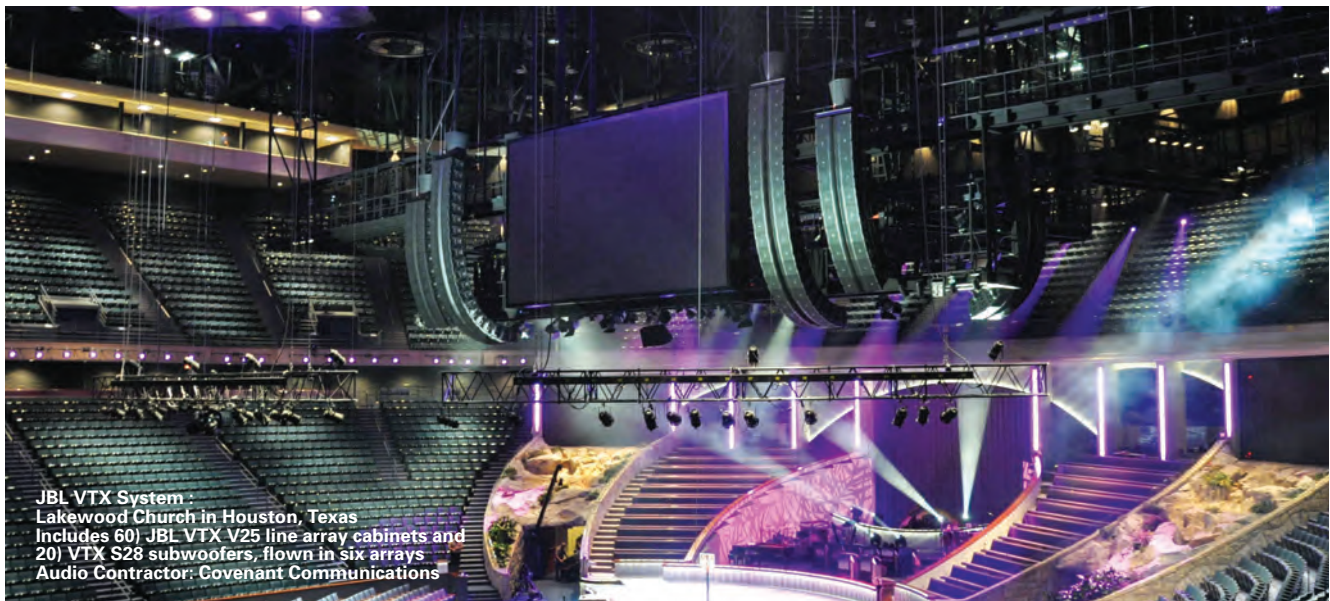
- 800 watt continuous power rating at 8 ohms
- Includes rigging hardware and M20 threaded pole socket
- Available in white

VRX918SP

18" POWERED HIGH POWER SUSPENDABLE SUBWOOFER

Powered, suspendable subwoofer system containing a neodymium 18" Differential Drive woofer in a front-loaded, vented enclosure. Designed specifically for use in arrays with the VRX932LAP line array speaker. Equally at home in ground stacked applications.

- Powered by JBL DPC-2 amplifier module designed by Crown
- Includes rigging hardware and M20 threaded pole socket
- Large port area for reduced distortion



JBL VTX System :
Lakewood Church in Houston, Texas
Includes 60) JBL VTX V25 line array cabinets and
20) VTX S28 subwoofers, flown in six arrays
Audio Contractor: Covenant Communications

VTX SERIES



NEXT GENERATION LINE ARRAY SYSTEM SOLUTIONS



Of all the achievements JBL has made over the years, the VTX Series stands as a milestone in the practical

application of creative

engineering. The next generation in line arrays, VTX heralds a new era in performance,

system integration and user friendliness.

Featuring multiple patents in driver, waveguide and suspension technology, VTX is also supported by technologies from Harman Professional sister companies for amplification, DSP, control and system management. In addition to high performance components, VTX is backed by JBL's high performance engineering support - the human factor and technical tools that are key to the proper specification and configuration of the VTX system in any venue, anywhere in the world.

The VTX Series is a result of JBL's continued effort to deliver more powerful, more compact, lightweight and flexible sound reinforcement systems. Designed for portable and fixed-venue system operators alike, VTX features JBL's legendary sound quality coupled with the most advanced sound reinforcement technology and support available.

D2 Dual Diaphragm Dual Voice Coil Compression Driver

Dramatically improves the sound and performance of high frequencies by overcoming the limitations of conventional compression driver technology. By merging two annular, polymer diaphragms into a single compact transducer, the D2 driver has the same radiating area as a conventional device with increased power handling/output, extended HF response and reduced distortion.



Next Generation Waveguide Technology

VTX V20 and V25 feature 3rd and 4th generation HF waveguide technology that produces a coherent, time-aligned high frequency wavefront that maximizes the combined output of three D2 Dual Drivers. The cast-aluminum waveguide creates a wavefront that is sufficiently flat to couple properly at extreme high frequencies and the active radiating surface area extends to the edge of the enclosure optimized line source array coupling from 0-12.5 degrees (V20) and 0-10 degrees (V25).

New Multi-Mode ASM Suspension

VTX V20 and V25 introduce new and highly versatile ASM suspension systems that enable arrays to be deployed quickly and accurately in a wide variety of applications. Able to be deployed in compression mode or in fixed angle mode, the new ASM suspension systems enable faster setup with fewer pinning operations and all suspension hardware is integrated into the enclosure.



VTX SERIES

COMPLETE SYSTEM INTEGRATION AND SUPPORT



With the VTX Series you are not just using a product, you are gaining access to an expert system. Tools for system design and all the components to analyze, configure, set up and control a VTX system are all part of the JBL commitment to total system integration and support. The goal is maximum efficiency and the highest possible level of performance in any venue, anywhere in the world. Visit VTX on JBLPro.com to learn more about the Crown® Audio VRack, JBL Line Array Calculator and JBL HiQnet Performance Manager™ software.



VTX V25

FULL SIZE 3-WAY HIGH DIRECTIVITY LINE ARRAY ELEMENT WITH D2 DUAL DRIVERS

Fullsize 3-way line array element featuring patented D2 dual diaphragm dual driver technology and patented Differential Drive® LF and MF cone transducers.

- Revolutionary D2 Driver
- JBL's patented RBI Radiation Boundary Integrator
- 3rd Generation HF waveguide technology



VTX S28

FULL SIZE DUAL 18" SUBWOOFER WITH ULTRA LONG EXCURSION TRANSDUCERS

Suspendable, trapezoidal dual 18" cardioid-arrayable subwoofer featuring ultra long throw, patented Differential Drive® transducers configured in a front-loaded alignment with a large area, laminar-flow, low-turbulence central port.

- 2 x 2269H JBL Differential Drive 18" woofers
- High peak-to-peak excursion capability
- Reverse cardioid-arrayable



VTX G28

FULL SIZE DUAL 18" SUBWOOFER WITH ULTRA LONG EXCURSION TRANSDUCERS

Dual 18" cardioid-arrayable subwoofer with rectangular form factor for convenient ground-stacking. Ultra long throw Differential Drive® transducers are configured with inverted woofers (motors out) for improved cooling and reduced power compression.

- 2 x 2269H JBL Differential Drive 18" woofers
- High peak-to-peak excursion capability
- Reverse cardioid-arrayable



VTX V20

MIDSIZE 3-WAY HIGH DIRECTIVITY LINE ARRAY ELEMENT WITH D2 DUAL DRIVERS

Midsize 3-way line array element featuring patented D2 dual diaphragm dual driver technology with ultra-linear midrange transducers and patented Differential Drive® LF transducers.

- Revolutionary D2 Driver
- New dual-mode ASM suspension
- 4th Generation HF waveguide technology



VTX S25

FULL SIZE DUAL 15" SUBWOOFER WITH ULTRA LONG EXCURSION TRANSDUCERS

Suspendable dual 15" cardioid-arrayable subwoofer featuring ultra long throw, patented Differential Drive® transducers configured in a front-loaded alignment with dual large area, laminar-flow, low-turbulence central ports.

- 2 x 2267 JBL Differential Drive 15" woofers
- High peak-to-peak excursion capability
- Reverse cardioid-arrayable

VTX SERIES
TOUR SOUND PRODUCTS





VTX F SERIES

STUDIO MONITOR SOUND QUALITY IN A POINT-AND-SHOOT FILL ENCLOSURE

VTX F SERIES delivers studio monitor sound quality in a line of premium two-way multipurpose cabinets featuring point and shoot flexibility, uncompromised sound quality and the patented D2 Dual Diaphragm Dual Driver used in the VTX V25 and M2 Studio Reference Monitor. Ideal for point-and-shoot fill, F12 and F15 are a perfect sound design complement to VTX V25 due to the sonic consistency provided by common large format D2 driver technology. When paired with the F18S subwoofer, F12 and F15 provide a premium-quality, compact Front-of-House or Sidefill Monitoring solution and with their clean lines, F-Series is perfectly suited to demanding tour sound stage monitoring requirements. Standard pole mount socket, M10 mount points and an optional U-bracket accessory allow VTX F Series to be used in a wide variety of distributed fill applications – you name it – F Series is a versatile sound design tool.

VTX F SERIES
TOUR SOUND PRODUCTS



VTX F12

TWO-WAY 12" LOUDSPEAKER SYSTEM WITH D2 DRIVER

The VTX F12 is a two-way loudspeaker enclosure that features a high-power Differential Drive 2262H 12" woofer and a D2430K dual-diaphragm dual voice coil compression driver.

- D2430K Large Format D2 Dual Diaphragm Dual Driver
- Progressive Transition Waveguide (90° x 50° coverage pattern)
- Flexible installation accessories



VTX F15

TWO-WAY 15" LOUDSPEAKER SYSTEM WITH D2 DRIVER

The VTX F15 is a two-way loudspeaker enclosure that features a high-power Differential Drive 2265H 15" woofer and a D2430K dual-diaphragm dual voice coil compression driver.

- D2430K Large Format D2 Dual Diaphragm Dual Driver
- Progressive Transition Waveguide (90° x 50° coverage pattern)
- Flexible installation accessories



VTX F18S

HIGH POWER SINGLE 18" SUBWOOFER

The VTX F18S subwoofer enclosure features a single high-power Differential Drive 2269H 18" transducer with extremely high linear excursion capability. Mount brackets included for attaching F12 or F15 for drum monitoring applications.

- JBL 2269H Differential Drive 18" woofer
- High Linear Excursion Capability (3.5" Peak-to-Peak)
- Cardioid-Arrayable (front NL4 connector)
- Perfect complement to VTX F12 and VTX F15

Separately-ordered accessories for: VTX F12, F15, F18S

VTX F12-UB Universal mount bracket for F12 including pole mount socket and stabilizer legs for ground stacking

VTX F15-UB Universal mount bracket for F15 including pole mount socket and stabilizer legs for ground stacking

JBL SS5-BK Locking hand crank extension rod for use with F12 or F15 (-UB optional) and F18S featuring patented expanding mandrel

JBL POLE-MA Manual adjustable extension rod for use with F12 or F15 (-UB optional) and F18S

JBL POLE-GA Gas assist extension rod for use with F12 or F15 (-UB optional) and F18S

JBL TRIPOD-MA Manual adjustable tripod stand for use with F12 or F15 (-UB optional)

JBL TRIPOD-GA Gas assist tripod stand for use with F12 or F15 (-UB optional)



VTX ACCESSORIES

Separately-ordered accessories

FULLSIZE VTX ACCESSORIES

| | |
|------------------|-----------------------------------------------------------------------------------------|
| VTX-V25-AF: | Array Frame for suspending or ground stacking VTX V25 and/or VTX S28 enclosures |
| VTX-V25-AF-EB: | Extension bar for use with VTX-V25-AF |
| VTX-V25-ACC: | Accessory Kit: dolly/wheelboard and padded protective cover for one VTX V25 |
| VTX-S28-ACC: | Accessory Kit: dolly/wheelboard and padded protective cover for one VTX S28 |
| VTX-G28-ACC: | Accessory Kit: dolly/wheelboard and padded protective cover for one VTX G28 |
| VTX-V25-CS-K: | Compression suspension kit to convert V25 to V25-CS |
| VTX-V25-CS-K-LJ: | Label jig installation fixture for use with VTX-V25-CS-K |
| VTX-V25-VTC: | Vertical transporter for 3 or 4 VTX V25-CS |
| VTX-S28-VTC: | Vertical transporter for 3 VTX S28 (front-firing or cardioid) |
| VTX-V25-CVR: | Padded protective cover for 3 or 4 V25-CS transported on V25-VTC |
| VTX-S28-CVR: | Padded protective cover for three S28 transported on S28-VTC (front-firing or cardioid) |
| VTX-V25-PB: | Pull Back accessory kit for suspension of VTX V25-CS arrays |
| VTX-V25-LH: | Manual lever hoist for compression of VTX V25-CS arrays |

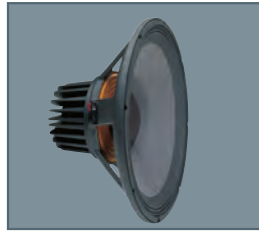
MIDSIZE VTX ACCESSORIES

| | |
|-----------------|-----------------------------------------------------------------------------|
| VTX-V20-AF: | Array frame for suspending or ground stacking VTX V20 or S25 enclosures |
| VTX-V20-AF-EB: | Extension bar for use with VTX-V25-AF |
| VTX-V20-VT: | Vertical transporter for 3 or 4 VTX V20 |
| VTX-V20-VT-CVR: | Padded protective cover for 3 or 4 VTX V20 transported on VTX-V20-VT |
| VTX-S25-VT: | Vertical transporter for up to 2 or 3 VTX S25 |
| VTX-S25-VT-CVR: | Padded protective cover for 2 or 3 VTX S25 transported on VTX-S25-VT |
| VTX-V20-PB: | Pullback accessory kit for suspension of VTX V20 arrays in compression mode |
| VTX-V20-LH: | Manual lever hoist for compression of VTX V20 arrays |

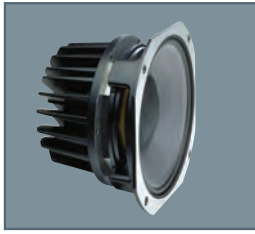
VTX/VERTEC LASER ACCESSORIES

| | |
|-----------------|-------------------------------------------------|
| VTX-LZ-K: | Laser Kit (Power supply and 2xVTX-LZ lasers) |
| VTX-LZ: | Laser only (1 piece) |
| VTX-LZ-PS: | Power supply only (1 piece) |
| VTX-LZ-V25-MB: | Mounting bracket for VTX-LZ to VTX V25 |
| VTX-LZ-V20-MB: | Mounting bracket for VTX-LZ to VTX V20 |
| VTX-LZ-89-MB: | Mounting bracket for VTX-LZ to VT4889 |
| VTZ-LZ-8788-MB: | Mounting bracket for VTZ-LZ to VT4888 or VT4887 |

VERTEC SERIES



**2255H 15" DIFFERENTIAL
DRIVE® LOUDSPEAKER**



**2250H 8" MIDRANGE CONE
TRANSDUCER**



**2435H HIGH PERFORMANCE
COMPRESSION DRIVER**

VT4889-1 SYSTEM COMPONENTS



**FULLSIZE
VT4889-1**

VT4889-1

FULLSIZE THREE-WAY LINE ARRAY ELEMENT

Fullsize, lightweight enclosure housing two 15" woofers, four 8" midrange transducers, and three high frequency compression drivers.



- 2000W LF, 1400W MF, 225W HF
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure



**MIDSIZED
VT4888**

VT4888

MIDSIZED THREE-WAY LINE ARRAY ELEMENT

Midsized, lightweight line array element housing two 12" woofers, four 5.25" midrange transducers, and two high frequency compression drivers.

- 2000W LF, 600W MF, 150W HF
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure



**COMPACT
VT4887A**

VT4887A

COMPACT BI-AMPED THREE-WAY LINE ARRAY ELEMENT

Compact, lightweight line array element housing two 8" woofers, four 4" midrange transducers, and two high frequency compression drivers.



- 1000W LF, 225W MF/HF
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure



**SUBCOMPACT
VT4886**

VT4886

SUBCOMPACT PASSIVE THREE-WAY LINE ARRAY ELEMENT

Subcompact passive three-way line array element fitted with two 6.5" woofers, four 2.5" midrange transducers, and two high frequency drivers with a highly refined internal passive network.



- 900W continuous power rating
- Integrated mid/high waveguide provides 110° horizontal coverage
- Highest SPL output in its class

VERTEC SERIES

SYSTEM FEATURES



PRECISION WAVEGUIDES



RBI™: RADIATION
BOUNDARY INTEGRATOR



INPUT PANEL WITH
PARALLEL CONNECTORS



Dual 2269H Differential Drive Woofer



VT4880
VT4880A

VT4880

FULLSIZE DUAL 18" SUBWOOFER

Fullsize, lightweight, centrally-vented arrayable subwoofer housing two 18" woofers.

- 2000 watt continuous power rating
- Dual 2258H Differential Drive woofers
- Rigid lightweight enclosure



VT4880
VT4880A

VT4880A

FULLSIZE DUAL 18" ULTRA LONG EXCURSION SUBWOOFER

Fullsize, lightweight, centrally-vented arrayable subwoofer housing two ultra long excursion 18" woofers.

- 4000 watt continuous power rating
- Dual 2269H Differential Drive woofers
- Rigid lightweight enclosure



VT4882

MIDSIZE DUAL 15" SUBWOOFER

Midsize, lightweight, centrally-vented arrayable subwoofer enclosure housing two long-excursion 15" woofers.

- 2000 watt continuous power rating
- Dual 2266H Differential Drive woofers
- Rigid lightweight enclosure



VT4881A

COMPACT 18" SUBWOOFER

Compact, lightweight, vented arrayable subwoofer enclosure housing one ultra long excursion 18" woofer.

- 2000 watt continuous power rating
- Single 2269H Differential Drive woofer
- Rigid lightweight enclosure



VT4883

SUBCOMPACT DUAL 12" CARDIOID-ARRAYABLE SUBWOOFER

Subcompact dual 12" cardioid-arrayable companion low frequency extension for the VT4886 subcompact three-way enclosure.

- 2000 watt continuous power rating
- Dual 2263H-1 Differential Drive woofers
- Rigid lightweight enclosure

VERTEC ACCESSORIES

Separately-ordered accessories for:

VT4889-1, VT4880, VT4880A, VT4888, VT4882, VT4887A and VT4881A

Accessory Kits

| | |
|--------------|-------------------------------------------------------------------------------------|
| VT4889-1-ACC | Dolly/wheelboard and padded protective cover for one VT4889-1. |
| VT4880-ACC | Dolly/wheelboard, padded protective cover and suspension hinge bars for one VT4880. |
| VT4880A-ACC | Dolly/wheelboard and padded protective cover for one VT4880A. |
| VT4888-ACC | Dolly/wheelboard and padded protective cover for one VT4888. |
| VT4882-ACC | Dolly/wheelboard and padded protective cover for one VT4882. |
| VT4887-ACC | Dolly/wheelboard and padded protective cover for one VT4887A. |
| VT4881-ACC | Dolly/wheelboard and padded protective cover for one VT4881A. |



VT4889-AF (Array Frame)



VT4889-SF (Short Frame)

Suspension Accessories

| | |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| VT4889-AF | Array Frame for suspending or ground stacking VTX V25, VTX S28, VT4889-1, VT4880, VT4880A enclosures. |
| VT4889-SF | Short Frame for suspending or ground stacking VTX V25, VTX S28, VT4889-1, VT4880, VT4880A enclosures; can also be used on the bottom of arrays for rear pullback suspension. |
| VT4888-AF | Array Frame for suspending or ground stacking VT4888 or VT4882 enclosures. |
| VT4888-SF | Short Frame for suspending or ground stacking VT4888 or VT4882 enclosures; can also be used on the bottom of arrays for rear pullback suspension. |
| VT4887-AF | Array Frame for suspending or ground stacking VT4887A or VT4881A enclosures. |
| VT4887-SF | Short Frame for suspending or ground stacking VT4887A or VT4881A enclosures; can also be used on the bottom of arrays for rear pullback suspension. |
| VT4800-CA | Compact Adaptor, used to suspend VT4887 or VT4887A from VT4888 or VT4882. |
| VT4800-DA | Downfill Adaptor, used to suspend up to 4 VT4887As or VT4887 enclosures from VTX V25, VTX S28, VT4889, VT4889-1, VT4880 or VT4880A enclosures. |
| VT4800-UA | Universal Adaptor Frame, used to suspend midsize or compact models from VTX V25, VTX S28, VT4889, VT4889-1, VT4880 or VT4880A enclosures. |

VERTEC ACCESSORIES

Separately-ordered accessories for:
VT4886 and VT4883



VT4886-UB1
Universal Bracket

VT4886-AF Array frame for suspension or ground stacking of VT4883, VT4886, or mixed VT4883/VT4886 arrays.

VT4886-SF Short Array frame for suspension of smaller VT4886 arrays. Can also be used at the bottom of arrays for rear pull-back suspension.

VT4886-DF88 Downfill Adapter for suspending VT4886 under VT4888 or VT4882.

VT4886-DF89 Downfill Adapter for suspending VT4886 under VTX V25, VTX S28, VT4889-1, VT4880, VT4880A.

VT4886-UB Universal Bracket with extension arms for pole mounting, stacking, underbalcony suspension or wall mounting of 1x, 2x, 3x or 4x VT4886 enclosures, respectively.

VT4886-UB1 Basic Universal Bracket for pole mounting, stacking, underbalcony suspension or wall mounting of 1x, 2x or 3x VT4886 enclosures, respectively.

VT4886-HB Horizontal bracket for arraying VT4886 enclosures as a constant curvature horizontal line array. (Suspended or pole mounted.)

SS5-BK Adjustable extension rod with M20 thread for attachment to VT4883 subwoofer. Secure, hand crank height adjustment. Vibration isolation adapter for attachment to optional VT4886-UB, -UB1 or -HB accessories.



VT4886-SF



VT4886-HB



VT4886-DF88



VT4886-DF89
(Downfill Adaptor)



SS5-BK
(Hand Crank)



VT4886-UB



SS5-BK
(Hand Crank)



JBL-VERTEC-SYS1

An innovative case transport solution for the VERTEC Subcompact Series Line Array loudspeakers and accessories. The case system includes a rugged outer Molded Cover with large twist latches and spring loaded lift handles, two molded caster boards with provisions for 4886 and 4883 cabinets, and a Hardware Storage Tray with integrated Array Frame storage cradle. (Recommended accessory available from www.jblbags.com)

VT4886-UB and VT4886-UB1

are also compatible with:

JBLPOLE-MA

JBLPOLE-GA

JBLTRIPOD-MA

JBL TRIPOD-GA

manual or gas assist extension rod and speaker tripod accessories



DP
DRIVEPACK™

VERTEC® DP SERIES

POWERED LINE ARRAY SOLUTIONS

The JBL VERTEC DP Series combines industry-leading loudspeaker technology with the innovative JBL DrivePack technology platform, delivering superb audio quality and robust power that is perfectly matched to the enclosures with comprehensive internal digital signal processing. Designed in cooperation with development partners Crown, dbx and BSS, JBL DrivePack models are designed to exceed all expectations for loudspeaker performance, power handling and audio system control.

INPUT MODULES & CONNECTIVITY

JBL DrivePacks are equipped with a modular input bay. The standard HiQnet-compatible DPDA input module offers ethernet connectivity for remote control and monitoring. The DPDA module also provides AES digital audio inputs with analog backup, BSS Audio OmniDrive HD™ signal processing with LevelMax™ multi-stage limiting, high-performance FIR/IIR filters, array/box I.D. mechanism and robust EtherCon® connectors optimized for tour/rental applications. We also offer an optional, non-networked lower-cost DPIP input module from dbx with analog audio inputs.



JBL DRIVEPACK DP-DA CONTROL PANEL
For JBL HiQnet Performance Manager™ and System Architect



POWERED BY CROWN iAPP INTERFACE

The Powered by Crown app (available from the Apple App store) allows wireless control and

monitoring of Crown Audio HiQnet networked devices and JBL Professional Drivepack DPDA models. Since the app uses the same protocols as HiQnet System Architect, it is also possible to import custom control panels from System Architect into the Powered by Crown app for added flexibility and functionality.



Mutes and Levels



Input Configuration



Signal Generator

VT4889ADP-DA

POWERED FULLSIZE THREE-WAY LINE ARRAY ELEMENT

Fullsize, lightweight powered enclosure housing two 15" woofers, four 8" midrange transducers, and three high frequency compression drivers.

- 3000W continuous, 6000W peak power rating
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure

VT4888DP-DA

POWERED MIDSIZE THREE-WAY LINE ARRAY ELEMENT

Midsized, lightweight powered line array element housing two 12" woofers, four 5.25" midrange transducers, and two high frequency compression drivers.

- 3000W continuous, 6000W peak power rating
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure

VT4887ADP-DA

POWERED COMPACT BI-AMPED LINE ARRAY ELEMENT

Compact, lightweight powered line array element housing two 8" woofers, four 4" midrange transducers, and two high frequency compression drivers.

- 1100W continuous, 2200W peak power rating
- Includes patented Radiation Boundary Integrator
- Rigid lightweight enclosure

VT4880ADP-DA

POWERED FULLSIZE DUAL 18" ULTRA LONG EXCURSION SUBWOOFER

Fullsize, lightweight, powered centrally-vented arrayable subwoofers housing two 18" woofers with ultra long excursion components.

- 3500 watt continuous power rating
- Dual 2269G Differential Drive woofers
- Rigid lightweight enclosure

VT4882DP-DA

POWERED MIDSIZE DUAL 15" SUBWOOFER

Midsized, lightweight, powered centrally-vented arrayable subwoofer enclosure housing two long-excursion 15" woofers.

- 1700 watt continuous power rating
- Dual 2266H Differential Drive woofers
- Rigid lightweight enclosure

VT4881ADP-DA

POWERED COMPACT 18" SUBWOOFER

Compact, lightweight, powered vented arrayable subwoofer enclosure housing a dual voice coil 18" woofer.

- 1800 watt continuous power rating
- Single 2269H Differential Drive woofers
- Rigid lightweight enclosure

Separately-ordered accessories for: VT4889ADP-DA, VT4888DP-DA, VT4887ADP-DA

| | |
|---------------|-------------------------------------------------------------------|
| VT4889ADP-ACC | Dolly/wheelboard and padded protective cover for one VT4889ADP-DA |
| VT4888DP-ACC | Dolly/wheelboard and padded protective cover for one VT4888DP-DA |
| VT4887ADP-ACC | Dolly/wheelboard and padded protective cover for one VT4887ADP-DA |

Separately-ordered accessories for: VT4880ADP-DA, VT4882DP-DA, VT4881ADP-DA

| | |
|---------------|-------------------------------------------------------------------|
| VT4880ADP-ACC | Dolly/wheelboard and padded protective cover for one VT4880DP-DA |
| VT4882DP-ACC | Dolly/wheelboard and padded protective cover for one VT4882DP-DA |
| VT4881ADP-ACC | Dolly/wheelboard and padded protective cover for one VT4881ADP-DA |



VP SERIES

SELF-POWERED INTEGRATED AUDIO SYSTEMS

Venue Performance Series is a family of self-powered loudspeaker systems consisting of ten models, suitable for portable or fixed installation sound reinforcement applications where high output, low-distortion, and the highest quality sound are required.

JBL DrivePack®

A key feature of the VP Series are the highly adaptable JBL DrivePack amplifier and signal processing modules. The two channel DP-2 module provides 1100 watts of total continuous power to each fullsize, full-range system while the DP-1 sub-woofer module provides 1800 watts continuous power to the loudspeaker.

The JBL DP-1 and DP-2 DrivePacks operate on auto-selecting line voltages at 50 or 60 Hz for worldwide operation. The compact three channel DPC-2 module used on the smaller VP Series models uses two of the three amplifier channels to enable JBL's Dual Bridge Technology™ (DBT) allowing the most efficient power transfer to the JBL Differential Drive® woofers. DP-1 and DP-2 DrivePack models incorporate Crown's BCA™ (Balanced Current Amplification) Class-I circuitry with temperature-compensated modulation and state of the art feedback circuitry. An extraordinarily efficient passive cooling system eliminates expensive and noisy fans, effecting heat dissipation for optimal cooling.



DPDA Input Module – HiQnet™ Network Compatible with AES Digital Audio and BSS OMNIDRIVE™ HD Signal Processing

Input Modules & Connectivity

JBL DrivePacks DP-1 and DP-2 are equipped with a modular input bay. Standard DPIP input modules from dbx feature analog audio inputs and sophisticated DSP technology incorporating digital pre-equalization filters, frequency dividing networks, and limiter circuitry from one of the most trusted names in signal processing.

DPDA Input Module

The optional DPDA Input Module can be used as a retrofit sub-assembly with any JBL DrivePack equipped loudspeaker system utilizing the DP-1, DP-2, or DP-3 amplifier modules. Upgrading to the DPDA module provides powered loudspeakers users with AES/EBU digital audio capabilities, the sonic benefits of advanced signal processing features and a variety of input and connectivity options.

The VP Series also includes:

- JBL Differential Drive cone transducers
- JBL 2452H-SL 1.5" exit, 4" diaphragm compression driver
- Newly-created stylized, ergonomically designed powder-coated steel handle
- Multiple attachment points for ultimate rigging flexibility with overhead suspension

VP7210/95DP

10" POWERED TWO-WAY INTEGRATED SPEAKER SYSTEM

10" two-way system with the 2452H-SL compression driver. This model features a 90° x 50° rotatable horn. The system is driven by an 875W continuous power three channel DPC-2 JBL DrivePack.

- 875 watts continuous power rating
- 10" Differential Drive woofer for extended low frequency
- 90° x 50° rotatable horn

VP7212MDP

12" POWERED TWO-WAY HIGH IMPACT STAGE MONITOR

Dedicated 12" two-way floor monitor and features 2452H-SL 4" voice coil compression driver. The VP7212MDP is equipped with the JBL DrivePack model DPC-2 with 875W continuous power available.

- 875 watts continuous power rating
- Field rotatable baffle for easy left/right configurations
- 50° x 90° coverage optimized for use as a stage monitor

VP7212/95DPC

12" POWERED TWO-WAY INTEGRATED SPEAKER SYSTEM

A 12" two-way compact system with a 2452H-SL compression driver featuring a 90° x 50° PT waveguide. System is equipped with the JBL DrivePack model DPC-2 with 875W of continuous power.

- 875 watts continuous power rating
- 12" Differential Drive woofer for extended low frequency
- 90° x 50° PT waveguide

VP7215/95DPC

15" POWERED TWO-WAY INTEGRATED SPEAKER SYSTEM

15" two-way compact system with a 2452H-SL compression driver. This model features a 90° x 50° PT waveguide. The system is equipped with the JBL DrivePack model DPC-2 with 875W of continuous power.

- 875 watts continuous power rating
- 15" Differential Drive woofer for extended low frequency
- 90° x 50° PT waveguide

VP7212/64DP (60° x 40°) & VP7212/95DP (90° x 50°)

12" POWERED TWO-WAY INTEGRATED SPEAKER SYSTEM

Two-way speaker systems housing one 12" Differential Drive low frequency transducer and 2452H-SL compression driver. Available with 60° x 40° or 90° x 50° JBL Progressive Transition waveguide.

- 1100 watts continuous power rating
- HiQnet compatible and network controllable
- 60° x 40° or 90° x 50° coverage options

VP7215/64DP (60° x 40°) & VP7215/95DP (90° x 50°)

15" POWERED TWO-WAY INTEGRATED SPEAKER SYSTEM

Two-way speaker systems housing one 15" Differential Drive low frequency transducer and 2452H-SL compression driver. Available with 60° x 40° or 90° x 50° JBL Progressive Transition waveguide.

- 1100 watts continuous power rating
- HiQnet compatible and network controllable
- 60° x 40° or 90° x 50° coverage options

VP7315/64DP

15" POWERED THREE-WAY INTEGRATED SPEAKER SYSTEM

Three-way system with one 15" Differential Drive low frequency transducer, CMCD82H 8" midrange transducer and 2452H-SL compression driver on a JBL PT-K64-MHF Progressive Transition waveguide.

- 1100 watts continuous power rating
- HiQnet compatible and network controllable
- 60° x 40° PT waveguide

VPSB7118DP

18" POWERED INTEGRATED SUBWOOFER SYSTEM

Features one 18" Differential Drive low frequency transducer and an integrated pole mount. The speaker is sized to readily combine into arrays of various configurations using other models in the line.

- 1800 watts continuous power rating
- HiQnet compatible and network controllable
- Fly track suspension points and M10 fittings



MARQUIS DANCE CLUB SERIES

POWERFUL LOUDSPEAKER SYSTEMS

Designed for high performance dance clubs

As a club designer, your creativity, vision and passion are the heart of an electrifying experience, whether it's a world-class mega-club or an intimate lounge. Knowing this illuminated our vision in creating the new JBL Marquis Dance Club Series - specifically designed for the extreme requirements of large and mega-size clubs.

The Marquis Series comprises eight powerful multi-way systems and subwoofer models that combine JBL's extraordinary sound, proven reliability and state-of-the-art technology with striking architectural design and versatile configurability. From thumping mega dance floors to tranquil VIP lounges, from eclectic chill rooms to complex sound booths, the Marquis Series systematic loudspeaker designs are scalable to smaller venues, ultra lounges, and mega clubs alike. Regardless of the application, the Marquis Series is a multi faceted tool for you to achieve your vision.

JBL Selenium Ultra High Frequency Bullet Drivers

Super high frequencies are handled by the MD1 Super Tweeter module, ensuring extremely high sensitivity and low distortion for transparent response, excellent coverage and long throw.

JBL Progressive Transition™ Waveguides

JBL's patented Progressive Transition™ Waveguides direct the sound of all the Marquis Series compression drivers to provide outstanding pattern control with smooth sound and extremely low distortion even at extraordinarily high dance club volume levels.

JBL Differential Drive® Technology

The entire complement of Marquis Series drivers employ JBL's patented Differential Drive technology which incorporates two voice coils and two magnetic gaps providing higher peak output with less power compression. The MD7 subwoofer also employs JBL's Vented Gap Cooling™ that provides immediate heat transfer for reduced operating temperatures. The result of these technologies is consistent sound quality even at non-stop, mega-club volumes.

MARQUIS

DANCE CLUB SERIES



MD1

DUAL JBL SELENIUM SUPER TWEETERS

Ultra high frequency module with dual JBL Selenium ST400 super tweeters for superior high frequency response. Designed for use with MD2, MD3 and MD7 elements.

- 130 watt continuous power rating
- High fidelity and low distortion
- Dual 40° x 40° coverage pattern

MD2

HIGH POWER MID-HIGH LOUDSPEAKER SYSTEM

Mid-high module utilizing two of JBL's 8" 2169H Differential Drive transducers for mid-band reproduction and the 2453H-SL for high frequencies. Designed for use with MD1, MD3 and MD7 elements.

- 700 watt MF continuous power rating and 100W HF rating
- Dual 8" Differential Drive mid drivers with 4" titanium diaphragm compression driver
- Handles frequencies from 300 Hz to 20 kHz

MD3

HIGH POWER DUAL 15" LOW-FREQUENCY LOUDSPEAKER

Dual 15" low frequency system utilizing dual 2265H Differential Drive transducers in a horn-loaded enclosure. Designed for use with the MD1, MD2, and MD7 elements.

- 1600 watt continuous power rating
- Dual JBL 2265H Differential Drive woofers with 3" dual voice coil
- Handles frequencies from 300 Hz down to 80 Hz

MD7

ULTRA LONG EXCURSION HIGH POWER DUAL 18" SUB

Dual 18" subwoofer system fitted with two JBL 2269H Differential Drive woofers. The MD7 is intended to be used in conjunction with the MD1, MD2, and MD3 elements.

- 4000 watt continuous power rating
- Dual JBL 2269H Differential Drive woofers with 4" dual voice coil
- Capable of frequency response down to 25 Hz

MARQUIS

DANCE CLUB SERIES



MD52

MEDIUM POWER 90 X 50 12" 2-WAY FULL-RANGE LOUDSPEAKER

Designed for the mobile DJ requiring a light weight high fidelity portable system. The multiangle enclosure features a 45° angle on one side for use as a floor monitor and a pole mount cup for use on a pole or tripod.

- 550 watt continuous power rating
- 90° x 50° rotatable PT waveguide
- Pole mount socket for portable applications

MD55

MEDIUM POWER 90 X 50 15" 2-WAY FULL-RANGE LOUDSPEAKER

Designed for the mobile DJ requiring a light weight high fidelity portable system. The multiangle enclosure features a 45° angle on one side for use as a floor monitor and a pole mount cup for use on a pole or tripod.

- 550 watt continuous power rating
- 90° x 50° rotatable PT waveguide
- Pole mount socket for portable applications

MD46

HIGH POWER 60 X 40 DUAL 15" 4-WAY FULL-RANGE LOUDSPEAKER SYSTEM

High power 60° x 40° dual 15" low frequency system utilizing dual 2265H woofers, CMCD82H 8" mid-range driver, 2432H 3" diaphragm compression driver, and dual ST400 super tweeters.

- Four-way quad amplified system
- 60° x 40° PT waveguide
- Perfect for high energy dance music

MD49

HIGH POWER 90 X 50 DUAL 15" 4-WAY FULL-RANGE LOUDSPEAKER SYSTEM

High power 90° x 50° dual 15" low frequency system utilizing dual 2265H woofers, CMCD82H 8" mid-range driver, 2432H 3" diaphragm compression driver, and dual ST400 super tweeters.

- Four-way quad amplified system
- 90° x 50° PT waveguide
- Perfect for high energy dance music



VLA SERIES

VARIABLE LINE ARRAY LOUDSPEAKERS

Variable Line Array Series (VLA Series) is a revolutionary product providing high-impact sound reinforcement at throw distances beyond the reach of traditional loudspeaker designs. The modular design concept provides the system designer the ability to build large line array systems for larger venue applications or to design smaller line array systems for use as distributed clusters in arenas, domed stadiums and larger performance spaces, including houses of worship.

VLA301

THREE-WAY FULL RANGE LOUDSPEAKER

Three-way full range loudspeaker featuring 2 x 15" LF, 2 x 8" MF, and 3 x 1.5" HF sections with 30° horizontal dispersion.

- 30° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options

VLA301H

HIGH OUTPUT THREE-WAY FULL RANGE LOUDSPEAKER

High output three-way full range loudspeaker featuring 2 x 15" LF, 4 x 8" MF, and 6 x 1.5" HF sections with 30° horizontal dispersion.

- High output design with 30° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options

VLA601

THREE-WAY FULL RANGE LOUDSPEAKER

Three-way full range loudspeaker featuring 2 x 15" LF, 2 x 8" MF, and 3 x 1.5" HF sections with 60° horizontal dispersion.

- 60° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options

VLA601H

HIGH OUTPUT THREE-WAY FULL RANGE LOUDSPEAKER

High output three-way full range loudspeaker featuring 2 x 15" LF, 4 x 8" MF, and 6 x 1.5" HF sections with 60° horizontal dispersion.

- High output design with 60° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options

VLA901

THREE-WAY FULL RANGE LOUDSPEAKER

Three-way full range loudspeaker featuring 2 x 15" LF, 2 x 8" MF, and 3 x 1.5" HF sections with 90° horizontal dispersion.

- 90° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options

VLA901H

HIGH OUTPUT THREE-WAY FULL RANGE LOUDSPEAKER

High output three-way full range loudspeaker featuring 2 x 15" LF, 4 x 8" MF, and 6 x 1.5" HF sections with 90° horizontal dispersion.

- High output design with 90° horizontal dispersion
- Comprehensive rigging points for line arrays
- JBL's WRC or WRX weather protections finish available as options



PD700 SERIES

PRECISION DIRECTIVITY®

One of the challenges in large arenas, stadiums, houses of worship and performance spaces is to provide quality sound to every seat with the volume and clarity demanded by today's concert, sporting and special events. JBL's Precision Directivity line of speakers uses a full range, full bandwidth total system approach that allows contractors and consultants to design a fully integrated sound system solving the audio challenges inherent to these types of large installations.

PD743

HIGH OUTPUT MID-HIGH LOUDSPEAKER SYSTEM

The PD743 is a mid-high loudspeaker system providing high-impact sound reinforcement at throw distances that are beyond the reach of traditional single-driver designs. This system may be used in arrays with other PD series modules or singly as part of a distributed system.

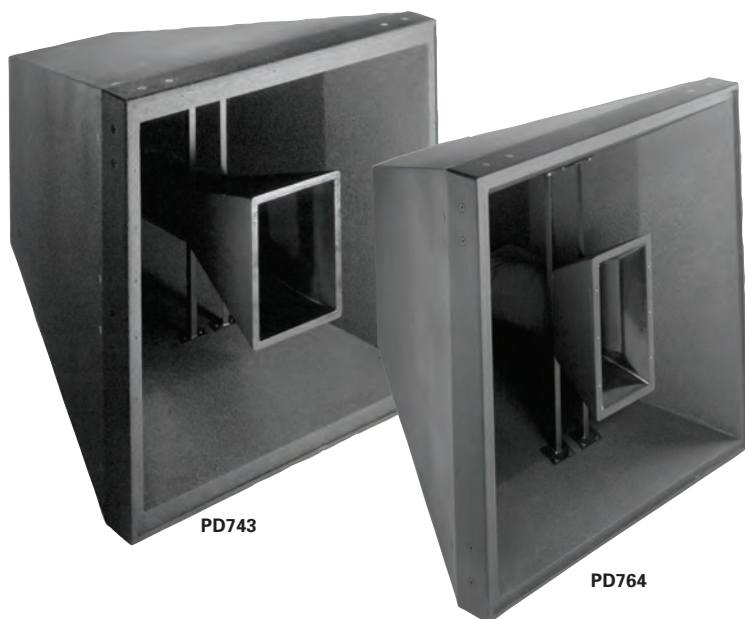
- 40° x 30° coverage pattern
- IFS dual HF driver module eliminates destructive interference
- Pattern control maintained to below 400 Hz

PD764

HIGH OUTPUT MID-HIGH LOUDSPEAKER SYSTEM

The PD764 is a mid-high loudspeaker system providing high-impact sound reinforcement at throw distances that are beyond the reach of traditional single-driver designs. This system may be used in arrays with other PD series modules or singly as part of a distributed system.

- 60° x 40° coverage pattern
- IFS dual HF driver module eliminates destructive interference
- Pattern control maintained to below 400 Hz





PD6200/43,
PD6200/64 (shown),
PD6200/66,
PD6200/95

PD6000 SERIES

HIGH POWER AND CONSTANT COVERAGE
IN A LOW PROFILE FORM

The PD6000 Series joins JBL's broad lineup of installed sound loudspeakers, complementing the larger PD700 mid-high cabinets with a more compact size and supplementing the smaller AE Series cabinets with higher SPL capability and larger horns for pattern control to a lower frequency. The PD6000 series loudspeakers deliver high power and constant coverage in a low profile form. All speakers include M10 threaded suspension points

PD6200

HIGH OUTPUT MID-HIGH LOUDSPEAKER SYSTEM

Mid-high frequency loudspeakers are designed for applications requiring high output capability with excellent pattern control. The system features a 8" CMCD-82H midrange compression driver and the 2432H large format high frequency compression driver.

MODELS AVAILABLE:

PD6200/43 (40° x 30°)
PD6200/64 (60° x 40°)
PD6200/66 (60° x 60°)
PD6200/95 (90° x 50°)

PD6212

12" FULL-RANGE TWO-WAY LOUDSPEAKER SYSTEM

Full range two-way loudspeakers feature a 12" M222-8A horn-loaded low frequency woofer and a 2453H large format high frequency driver. The speakers can be utilized alone in music or speech systems where frequency extension to 80 Hz is adequate or combined with subwoofers to create extended bandwidth systems.

MODELS AVAILABLE:

PD6212/43 (40° x 30°)
PD6212/64 (60° x 40°)
PD6212/66 (60° x 60°)
PD6212/95 (90° x 50°)

PD6322

DUAL 12" FULL-RANGE THREE-WAY SPEAKER SYSTEMS

Full range three-way loudspeakers feature dual 12" 2206H slot-loaded low frequency woofers, a CMCD-82H cone midrange compression driver and a 2432H large format high frequency driver. The speakers can be utilized alone in music or speech systems where frequency extension to 40 Hz is adequate or combined with subwoofers to create extended bandwidth full range systems.

MODELS AVAILABLE:

PD6322/43 (40° x 30°)
PD6322/64 (60° x 40°)
PD6322/66 (60° x 60°)
PD6322/95 (90° x 50°)

PD5122

DUAL 12" HIGH POWER LOW FREQUENCY MODULE

Designed for use as a flown or ground supported, high power low frequency module used in conjunction with mid/high only or full range systems of the PD6000 series to construct arrays with extended low frequency pattern control.

PD5125

DUAL 15" HIGH POWER LOW FREQUENCY MODULE

Designed for use with mid/high or full range systems of the PD6000 and PD700 series, however it will perform well in any application where high output low bass is required.



PD6212/43 (shown),
PD6212/64, PD6212/66,
PD6212/95



PD6322/43, PD6322/64,
PD6322/66,
PD6322/95 (shown)

AE SERIES

application engineered



AE SERIES

APPLICATION ENGINEERED™: A COMPLETE LINE OF PERMANENT INSTALLATION LOUDSPEAKERS

AE Series loudspeakers are ideal for a wide variety of fixed installation applications including performing arts facilities, theatrical sound design, auditoriums, houses of worship, live music clubs, dance-clubs/discotheques, sports facilities and themed entertainment venues. The special mid-high frequency models can be used without LF reinforcement in voice-only PA and delay-fill applications. The smaller models are ideal in lecture halls and corporate learning centers as well as in delay-fill locations of larger systems.

AE Series models provide a wide variety of building blocks for your system design, stair-stepped to give you just the right solution for your installation.

Within the AE Series are three power levels. The high output level models are found in the 7000 and 6000 Series, the medium output models are found in the 5000 and 4000 Series, and the lower output power level is found in the 2000 Series.

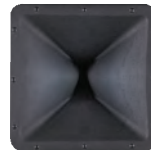
Many AE Series speakers offer selectable crossover modes: tri-amp/ bi-amp or bi-amp/ passive switchable. In addition, AE Series models incorporate sophisticated crossover designs for outstanding sound quality and consistent coverage. To minimize overlap between adjacent frequency bands, steep slopes are utilized in passive crossovers — most are 4th order (24 dB/octave). This reduces off-axis lobing, providing consistent coverage throughout the crossover region. Conjugate networks are added in some models to fine tune the frequency response for optimum sound quality.



Differential Drive Technology

JBL's exclusive Differential Drive technology is at the core of the AM5212, AM5215, AM7212, AM7215, AM7315, AM7200 and AL7115 as well as the ASB6112, ASB6115, ASB6125, ASB7118 and ASB7128.

This technology reduces weight while enhancing all critical performance parameters.



PT Progressive Transition Waveguides

JBL's new patent pending Progressive Transition waveguides represent the latest in horn technology. In addition to providing smooth, low distortion sound, PT waveguides deliver uniform off-axis frequency response to every point within the intended coverage area.

CMCD™ Cone Midrange Compression Drivers

Incorporated into all cone midrange models — patented CMCD technology is more than a simple displacement plug. In addition to providing increased output and lower distortion, this cone-based true compression driver design extends operational bandwidth (both up and down in frequency) to cover the entire vocal range seamlessly, allows for better waveguide pattern control, and improves phase coherency of the midrange signal for clearer, more intelligible audio quality.



AM7315/xx

AM7315/95 & /64

HIGH-POWER 15" THREE-WAY

The AM7315 loudspeaker system is comprised of a 15" low frequency woofer, one 8" CMCD compression driver, and one 1.5" exit compression driver. The multi-band PT mid-high frequency waveguide provides well controlled coverage and is rotatable for cabinet positioning in either horizontal or vertical orientation.

- Bi-amp and tri-amp switchable
- Includes M10 threaded suspension points
- Available in two models:
AM7315/95 - 90° x 50°
AM7315/64 - 60° x 40°



AM7200/xx

AM7200/95 & /64

HIGH-POWER MID HIGH

The AM7200 loudspeaker system is comprised of one 8" CMCD compression driver and one 1.5" exit compression driver. The multi-band PT mid-high frequency waveguide provides well controlled coverage and is rotatable for cabinet positioning in either horizontal or vertical orientation.

- Bi-amp and tri-amp switchable
- Includes M10 threaded suspension points
- Available in two models:
AM7200/95 - 90° x 50°
AM7200/64 - 60° x 40°



AM7212/xx

AM7212/64-66-95-00-26

HIGH-POWER 12" TWO-WAY

The AM7212 loudspeaker system is comprised of one 12" Differential Drive 2262H woofer and a 2432H high frequency compression driver. The large format PT waveguide provides excellent coverage and is rotatable for use in either the vertical or horizontal orientation. Available in black or white and WRC/WRX finishes.

- 700 watt continuous power rating
- Available in five models:
AM7212/64: 60° x 40°
AM7212/66: 60° x 60°
AM7212/95: 90° x 50°
AM7212/00: 100° x 100°
AM7212/26: 120° x 60°



AM7215/xx

AM7215/64-66-95-26

HIGH-POWER 15" TWO-WAY

The AM7215 loudspeaker system is comprised of one 15" Differential Drive 2265H woofer and a 2432H high frequency compression driver. The large format PT waveguide provides excellent coverage and is rotatable for use in either the vertical or horizontal orientation.

- 750 watt continuous power rating
- Available in four models:
AM7215/64: 60° x 40°
AM7215/66: 60° x 60°
AM7215/95: 90° x 50°
AM7215/26: 120° x 60°


AM5212/xx

AM5212/64-66-95-00-26

MEDIUM-POWER 12" TWO-WAY

The AM5212 loudspeaker system is comprised of one 12" Differential Drive 262H-1 woofer and a 2408H-1 high frequency compression driver. The large format PT waveguide provides excellent coverage and is rotatable for use in either the vertical or horizontal orientation. Available in black or white and WRC/WRX finishes.

- 300 watt continuous power rating
- Available in five models:
AM5212/64: 60° x 40°
AM5212/66: 60° x 60°
AM5212/95: 90° x 50°
AM5212/00: 100° x 100°
AM5212/26: 120° x 60°


AM5215/xx

AM5215/64-66-95-26

MEDIUM-POWER 15" TWO-WAY

The AM5215 loudspeaker system is comprised of one 15" Differential Drive 265H-1 woofer and a 2408H-1 high frequency compression driver. The large format PT waveguide provides excellent coverage and is rotatable for use in either the vertical or horizontal orientation.

- 350 watt continuous power rating
- Available in four models:
AM5215/64: 60° x 40°
AM5215/66: 60° x 60°
AM5215/95: 90° x 50°
AM5215/26: 120° x 60°


AC2212/xx

AC2212/95, /64 & /00

LOWER-POWER 12" TWO-WAY

The AC2212 loudspeaker system is comprised of one 12" JBL M112-8 woofer and a 2412H/MTA high frequency compression driver. The PT waveguide provides good pattern control with low distortion.

- 250 watt continuous power rating
- Optional U-Bracket and planar array frame kit
- Available in three models:
AC2212/95: 90° x 50°
AC2212/64: 60° x 40°
AC2212/00: 100° x 100°


AC2215/xx

AC2215/95, /64 & /00

LOWER-POWER 15" TWO-WAY

The AC2215 loudspeaker system is comprised of one 15" JBL M115-8A woofer and a 2412H/MTA high frequency compression driver. The PT waveguide provides good pattern control with low distortion.

- 250 watt continuous power rating
- Optional U-Bracket for easy installation
- Available in three models:
AC2215/95: 90° x 50°
AC2215/64: 60° x 40°
AC2215/00: 100° x 100°


AL7115

AL7115

HIGH POWER 15" LOW FREQUENCY
TRAPEZOIDAL LOUDSPEAKER SYSTEM

The AL7115 loudspeaker system is comprised of one 15" JBL Differential Drive 2265H woofer in a front-loaded, vented configuration. This model arrays with various AE series mid-high frequency and compact two-way models.

- 600 watt continuous power rating
- Large vented area for high output with low distortion
- Fitted with M10 threaded suspension points



ASB6118

ASB6118

HIGH POWER 18" SUBWOOFER SYSTEM

The ASB6118 subwoofer system is comprised of one 18" JBL 2242H SVG woofer in a vented, front-loaded configuration.

- 800 watt continuous power rating
- Large vented area for high output with low distortion
- Arrays with AM7200 mid-high speakers and AM2212 full-range speakers.



ASB6128

ASB6128

HIGH POWER DUAL 18" SUBWOOFER

The ASB6128 subwoofer system is comprised of two 18" JBL 2242H SVG woofers in a vented, front-loaded configuration. The deep cabinet allows for extended low frequency bandwidth with minimal frontal profile.

- 1600 watt continuous power rating
- Large vented area for high output with low distortion
- Arrays with various AE series models



ASB4128

ASB4128

MEDIUM POWER DUAL 18" SUBWOOFER

The ASB4128 subwoofer system is comprised of two 18" JBL 2042H woofers in a vented, front-loaded configuration. The deep cabinet allows for extended low frequency bandwidth with minimal frontal profile.

- 600 watt continuous power rating
- Large vented area for high output with low distortion
- Arrays with various AE series models

ASB6128V

HIGH POWER DUAL 18" SUBWOOFER

The ASB6128V subwoofer system is comprised of two 18" JBL Differential Drive 2258H woofers in a folded baffle V configuration. The V configuration provides additional sensitivity in the deep-bass region as well as tighter clustering of drivers for better mutual coupling in arrays.

- 1600 watt continuous power rating
- Large vented area for high output with low distortion
- Arrays with various AE series models



ASB6128V

ASH6118

HIGH POWER 18" HORN-LOADED SUB

The ASH6118 subwoofer system is comprised of one horn-loaded 18" JBL 2242H SVG woofer. The slow expansion internal folded horn provides maximum sensitivity, output level and subwoofer impact.

- 800 watt continuous power rating
- Designed to be used singly or in multiples
- Excellent "punch" with true sub-bass extension



ASH6118



ASB6115



ASB6125



ASB7128



ASB7118



ASB6112

ASB6115

HIGH POWER LIGHTWEIGHT 15" SUB

The ASB6115 subwoofer system is comprised of one 15" JBL Differential Drive 2265H-1 woofer in a vented, front-loaded enclosure. This system is for ground-stacked or suspended applications in combination with other AE series products.

- 800 watt continuous power rating
- Can be used ground-stacked or in stand-alone arrays
- Integrated M10 threaded suspension points

ASB6125

HIGH POWER LIGHTWEIGHT DUAL 15" SUB

The ASB6125 subwoofer system is comprised of two 15" JBL Differential Drive 2265H-1 woofer in a vented, front-loaded enclosure. This system is for ground-stacked or suspended applications in combination with other AE series products.

- 1600 watt continuous power rating
- Parallel or discrete switchable input mode
- Integrated M10 threaded suspension points

ASB7128

HIGH POWER ULTRA LONG EXCURSION 18" SUBWOOFER

The ASB7128 high power subwoofer system is comprised of two 18" JBL Differential Drive 2269H ultra long excursion woofers. JBL's exclusive vented gap cooling and ultra robust composite cone ensure extra long life.

- 4000 watt continuous power rating
- Woofers capable of peak-to-peak excursion of 3.5" (89mm)
- Can be used ground-stacked or in stand-alone arrays

ASB7118

HIGH POWER ULTRA LONG EXCURSION DUAL 18" SUBWOOFER

The ASB7118 high power subwoofer system is comprised of one 18" JBL Differential Drive 2269H ultra long excursion woofer. JBL's exclusive vented gap cooling and ultra robust composite cone ensure extra long life.

- 2000 watt continuous power rating
- Woofer capable of peak-to-peak excursion of 3.5" (89mm)
- Can be used ground-stacked or in stand-alone arrays

ASB6112

HIGH POWER COMPACT 12" SUBWOOFER SYSTEM

The ASB6112 compact subwoofer system is comprised of one 12" JBL Differential Drive 2263H woofer.

- 1000 watt continuous power rating
- Large vent area for high output with low distortion
- Can be used ground-stacked or in stand-alone arrays

AE SERIES COMPACT MODELS



AE SERIES COMPACT MODELS

AN EXTENSION OF THE INDUSTRY LEADING AE SERIES

AC15

Ultra compact enclosure with one 5.25" LF transducer and 90° x 90° waveguide with 25 mm (1in) dome tweeter. It is equipped with attachment points for a U-bracket and OmniMount® type bracket.

AC25

The features of the AC15 with two 5.25" LF transducers.

AC16

Ultra compact enclosure with one 6.5" LF transducer and a 90° x 90° Progressive Transition™ Waveguide with a 25 mm (1 in) exit compression driver. It is equipped with attachment points for a U-bracket, OmniMount® type bracket and stand mount adapter.

AC26

The features of the AC16 with two 6.5" LF transducers.

AC18/95 & AC18/26

Compact enclosures with one 8" LF transducer and a 90° x 50° Progressive Transition Field Rotatable Waveguide with a 1" exit compression driver (AC18/95) or 120° x 60° Progressive Transition™ Field Rotatable Waveguide with a 1" exit compression driver (AC18/26). They are equipped with attachment points for a U-bracket, OmniMount type bracket and stand mount adapter

AC28/95 & AC28/26

The features of the AC18/95 & AC18/26 with two 8" LF transducers.

An extension of the industry leading AE Series, the AE Compact family consists of high output, 2-way loudspeaker systems combining flexibility with high fidelity. Ranging from a single 5.25" point-and-shoot box to dual 8" loudspeaker system that are specifically designed for better serving the needs of both designers and artists alike.

The ultra-compact AC15 and AC25 models include a 1" dome tweeter while the AC16, AC26, AC18, and AC28 models feature 1" exit compression drivers providing sonic clarity and crisp detail. The AC18 and AC28 featuring JBL's Progressive Transition™ Rotatable Waveguides, offer the system designer a choice of coverage patterns in either 90° x 50° or 120° x 60°.



The measured response of the CWT128 is even throughout the frequency spectrum.

CWT SERIES

EXTREMELY WIDE-ANGLE COVERAGE LOUDSPEAKER SYSTEM

To provide high quality, full bandwidth sound evenly dispersed across a coverage area greater than 100 degrees, often two speaker systems are mounted and splayed to achieve wider horizontal coverage. But this approach produces interference where the coverage patterns overlap resulting in uneven sound fields and compromised intelligibility. JBL engineers created an innovative solution to this problem: the CWT128 loudspeaker system featuring CWT Crossfired Waveguide Technology. Drawing on its vast experience in the art and science of loudspeaker technology, JBL continually sets new standards for the audio industry while creating elegant solutions for the challenges that face all sound professionals.

Crossfire Waveguide Technology

At the heart of the CWT128 is the CWT Waveguide featuring a wide coverage pattern designed to provide seamless horizontal coverage across a full 160°. Based on JBL patented technology, the CWT Waveguide is essentially split in half and loaded with two compression drivers facing in different directions. The waveguide delivers wide angle coverage in a single enclosure, exhibiting no interference, and providing remarkable off-axis response. By eliminating multiple sets of speakers that interfere with each other, the overall fidelity of the system is greatly improved, intelligibility is increased, and a more pleasant listening experience is provided for the audience.

CWT128

HIGH OUTPUT DUAL 8" LOUDSPEAKER SYSTEM

The CWT128 is a compact full-range system with dual 8" SFG drivers and a 1" exit compression driver. It is designed to provide maximum bandwidth and SPL in a single package system.

- 850 watt continuous power rating
- Unique CWT waveguide for seamless horizontal coverage across a full 160 degrees
- Includes 70/100V transformer taps
- Dual 8" JBL SFG™ (Symmetrical Field Geometry) LF drivers
- Designed to work in a variety of performance spaces, especially those where a speaker system configuration is required in smaller, architecturally sensitive environments.



AE ALL WEATHER SERIES

ALL WEATHER SERIES: EXCELLENT PROTECTION IN THE HARSHTEST ENVIRONMENTS

The JBL ALL WEATHER SERIES is a family of high power, lightweight, 2-way, full-range loudspeaker systems comprised of the JBL Differential Drive® dual voice coil and dual magnetic gap low frequency 12" and 15" woofers and 2432H high-frequency 38mm (1.5 in) exit, 75mm (3 in) voice-coil compression driver. The large format Progressive Transition wave-guides provide excellent high-frequency coverage patterns. The waveguides are rotatable so the loudspeaker system can be used in either the vertical or horizontal orientation. AW200-LS and AW500-LS are EN54-24 compliant.

The enclosures are constructed of multilayer glass composite and are heavily braced to maximize low-frequency performance. The 14-gauge stainless steel grille, backed with open cell foam and stainless steel mesh, provides excellent protection in the harshest environments. All systems are equipped with a 400W 70/100V transformer.

AE SERIES ALL WEATHER

- Weather-resistant, all fiberglass enclosure
- Differential Drive® low frequency driver
- U-Type mounting bracket included
- Variety of coverage patterns for versatile installation use
- Available in an -LS model for EN54-24 compliance

AE ALL WEATHER SERIES
INSTALLATION PRODUCTS



AW266/AW266-LS
AW295/AW295-LS

AW526/AW526-LS
AW566/AW566-LS
AW595/AW595-LS

AW266 & AW266-LS

HIGH POWER 12" TWO-WAY FULL-RANGE ALL-WEATHER LOUDSPEAKER

The AW266 loudspeaker is comprised of one 12" JBL Differential Drive 2262H woofer and 2432H high-frequency compression driver. The large format Progressive Transition waveguide provides excellent coverage and allows for vertical or horizontal orientation.

- 400 watt continuous power rating (-LS)
- 60° x 60° coverage pattern
- 400W 70/100V transformer included
- Durable U-type mounting bracket included

AW295 & AW295-LS

HIGH POWER 12" TWO-WAY FULL-RANGE ALL-WEATHER LOUDSPEAKER

The AW295 loudspeaker is comprised of one 12" JBL Differential Drive 2262H woofer and 2432H high-frequency compression driver. The large format Progressive Transition waveguide provides excellent coverage and allows for vertical or horizontal orientation.

- 400 watt continuous power rating (-LS)
- 90° x 50° coverage pattern
- 400W 70/100V transformer included
- Durable U-type mounting bracket included

AW526 & AW526-LS

HIGH POWER 15" TWO-WAY FULL-RANGE ALL-WEATHER LOUDSPEAKER

The AW526 loudspeaker is comprised of one 15" JBL Differential Drive 2265H woofer and 2432H high-frequency compression driver. The large format Progressive Transition waveguide provides excellent coverage and allows for vertical or horizontal orientation.

- 400 watt continuous power rating (-LS)
- 120° x 60° coverage pattern
- 400W 70/100V transformer included
- Durable U-type mounting bracket included

AW566 & AW566-LS

HIGH POWER 15" TWO-WAY FULL-RANGE ALL-WEATHER LOUDSPEAKER

The AW566 loudspeaker is comprised of one 15" JBL Differential Drive 2265H woofer and 2432H high-frequency compression driver. The large format Progressive Transition waveguide provides excellent coverage and allows for vertical or horizontal orientation.

- 400 watt continuous power rating (-LS)
- 60° x 60° coverage pattern
- 400W 70/100V transformer included
- Durable U-type mounting bracket included

AW595 & AW595-LS

HIGH POWER 15" TWO-WAY FULL-RANGE ALL-WEATHER LOUDSPEAKER

The AW595 loudspeaker is comprised of one 15" JBL Differential Drive 2265H woofer and 2432H high-frequency compression driver. The large format Progressive Transition waveguide provides excellent coverage and allows for vertical or horizontal orientation.

- 400 watt continuous power rating (-LS)
- 90° x 50° coverage pattern
- 400W 70/100V transformer included
- Durable U-type mounting bracket included



AWC82

AWC129

AWC159-BK

AWC15LF-BK

Available in light gray or black (-BK)

AWC SERIES

COMPACT FULL-RANGE 2-WAY COAXIAL AND LOW FREQUENCY LOUDSPEAKER SYSTEMS

The AWC Series is ideal for speech and music in a wide variety of applications, including sports facilities, racetracks, stadiums, fairgrounds, rodeos, skating rinks, themed entertainment venues, cruise ships, water parks, outdoor background music/paging systems, swimming pools, and a wide variety of other outdoor or indoor venue types.

The AWC82 has a high-power coaxial 200 mm (8 in) low frequency driver and 25 mm (1 in) high frequency compression driver, while the AWC129 is comprised of a high-power co-axial 300 mm (12 in) low frequency driver and 25 mm (1 in) high frequency compression driver. The AWC159 is comprised of a high-power co-axial 380mm (15 in) low frequency driver and 38mm (1.5 in) high frequency compression driver, and the AWC15LF utilizes a 380mm (15 in) low frequency driver for consistent LF output. All full-range models feature a unique tapered pole-piece design that transitions to the cone of the low frequency driver to form a large diameter pattern control waveguide for the high frequencies, both eliminating high-frequency beaming, which is common among this category of speaker, and extending pattern control to the lowest possible frequencies. The result is extremely consistent coverage – wide 120° for AWC82 and more focused 90° for AWC129 and AWC159 – on a broadband basis. Available in light gray or black.

AWC82

COMPACT 8" ALL-WEATHER TWO-WAY COAXIAL LOUDSPEAKER

The AWC82 is a compact two-way highly weather-resistant full-range loudspeaker system which is ideal for speech and music-fill in a wide variety of applications.

- 250 watt power handling provides high SPL capability
- Consistent 120° x 120° broadband pattern control
- Highly weather-resistant IP56 rating

AWC129

COMPACT 12" ALL-WEATHER TWO-WAY COAXIAL LOUDSPEAKER

The AWC129 is a compact two-way highly weather-resistant full-range loudspeaker system which is ideal for speech and music-fill in a wide variety of applications.

- 400 watt power handling provides high SPL capability
- Consistent 90° x 90° broadband pattern control
- Highly weather-resistant IP56 rating

AWC159

COMPACT 15" ALL-WEATHER TWO-WAY COAXIAL LOUDSPEAKER

The AWC159 is a compact two-way highly weather-resistant full-range loudspeaker system which is ideal for speech and music-fill in a wide variety of applications.

- 500 watt power handling provides high SPL capability
- Consistent 90° x 90° broadband pattern control
- Highly weather-resistant IP56 rating

AWC15LF

COMPACT 15" ALL-WEATHER LOW-FREQUENCY SPEAKER

The AWC15LF is a compact highly weather resistant loudspeaker for augmenting the low frequency capability of a sound system, and is ideal for use with other AWC full-range loudspeakers.

- 500 watt power handling capacity
- low frequency extension down to 45 Hz
- Highly weather-resistant IP56 rating

CBT SERIES

LINE ARRAY COLUMN LOUDSPEAKERS

The JBL CBT Series line array columns with Constant Beamwidth Technology break new ground in performance, versatility, and affordability. Designed for venues that would typically use larger point-and-shoot speakers or powered columns, the CBT models incorporate patented technical advancements that allow them to vastly outperform competitive systems, with a level of user-friendliness that virtually eliminates the challenges of delivering great sound. With a slim compact design in fiberglass reinforced ABS enclosures, the CBT Series fits well into virtually any decor. Available in black or white.

CBT 50LA-1

CBT LINE ARRAY COLUMN WITH EIGHT 2" DRIVERS

The CBT 50LA-1 is the most compact of the models. At 150 watts, it holds its own against larger competitive columns. Response to 80 Hz works well for speech or music. Voicing can be set for music (flat) or speech via a switch.

- 150 watt power handling provides high SPL capability
- Built-in 70V/100V transformer plus 8 ohm direct capability
- Swivel (pan)/tilt wall bracket included

CBT 50LA-LS

CBT LINE ARRAY COLUMN WITH EN54 CERTIFICATION

Same as above CBT 50LA-1 but certified for EN54 applications.

- 150 watt power handling provides high SPL capability
- Built-in 70V/100V transformer plus 8 ohm direct capability
- Swivel (pan)/tilt wall bracket included

CBT 100LA-1

CBT LINE ARRAY COLUMN WITH SIXTEEN 2" DRIVERS

The CBT 100LA-1 contains sixteen 2" drivers in a slim, compact cabinet, providing excellent pattern control. Vertical coverage is adjustable via a switch and voicing is switchable between music (flat) or speech setting, making this model a great choice for a wide variety of environments.

- 325 watt power handling for high SPL
- Vertical coverage switchable between 40 degrees and 15 degrees
- Built-in 70V/100V transformer plus 8 ohm direct capability

CBT 100LA-LS

CBT LINE ARRAY COLUMN WITH EN54 CERTIFICATION

Same as above CBT 100LA-1 but certified for EN54 applications.

- 325 watt power handling for high SPL
- Vertical coverage switchable between 40 degrees and 15 degrees
- Built-in 70V/100V transformer plus 8 ohm direct capability

CBT 70J-1

CBT TWO-WAY LINE ARRAY COLUMN WITH ASYMMETRICAL VERTICAL COVERAGE

The CBT is a two-way speaker with high fidelity and response down to 60 Hz, 500W power handling, high sensitivity and high SPL capability. This model provides Asymmetrical Progressive Gradient coverage sending more sound toward the far area of the listening space.

- 500 watt power handling provides high SPL capability
- Vertical coverage switchable between 45 degrees and 15 degrees
- Sixteen 1" soft dome tweeters and four high power LF drivers

CBT 70JE-1

The CBT 70JE-1 extension speaker is purpose-built for use with CBT 70J-1, lengthening the line array to extend the pattern control, extending the bass response, and increasing power handling and SPL levels in the LF range.

- 500 watt power handling
- Four high power 125 mm (5 in) LF drivers
- Matches form factor of CBT 70J-1. Coupler plate included.

CBT 70J-1 + CBT70JE-1

PURPOSE DESIGNED EXTENSION FOR CBT70J-1 LINE ARRAY COLUMN

The CBT 70J-1 + 70JE-1 array system is twice the height of a 70J-1, extending the pattern control down to below 400Hz, including the voice range and much of the music range. This unobtrusive column array system provides 1000 watts of continuous power handling (peaks of 4000 watts), high sensitivity and very high maximum output capability, with a frequency response that extends down to 45 Hz.

- 1000 watt power handling provides high SPL capability
- 70JE-1 has built-in crossover network for combining with 70J-1
- Provides extended pattern control down to 400 Hz and frequency response to 45 Hz.

CBT 200LA-1

CBT LINE ARRAY COLUMN WITH THIRTY-TWO 2" DRIVERS

With a height of 200 cm (6.6 ft), CBT 200LA-1 is the tallest model, providing useful pattern control down to below 200 Hz. The top and bottom speaker modules allow individual adjustment of music (flat)/speech voicing and vertical pattern settings. Setting in Asymmetrical Progressive Gradient coverage mode (top narrow; bottom broad) sends more sound toward the far listening area versus close for more even SPL near-to-far in the listening space.

- 650 watt power handling provides high SPL capability
- Vertical coverage switchable between 30 degrees and 15 degrees
- Provides extended pattern control down to 200 Hz

ACCESSORIES

MTC-CBT-70T – Transformer module for CBT 70J-1 or 70J-1+70JE-1 array, bolts onto back, 70V/100V taps at 120W, 60W, 30W (plus 15W for 70V), gland nuts for water tight seal.

MTC-CBT-SMB1 – Stand Mount Bracket fits all models for portable applications. Note: For stability, CBT 70J+E array system and CBT 200LA-1 requires larger, heavier-duty stand than JBL SS2-BK.

MTC-CBT-FM1 – Low-profile, close-to-wall mounting bracket for use with CBT 50LA-1, CBT50LA-LS, and CBT 100LA-1 and CBT 100LA-LS.

MTC-CBT-FM2 – Low-profile, close-to-wall mounting bracket for use with CBT 70J-1 and CBT 70J-1/70JE-1 array.

CBT Calculator Software – For designing CBT speakers into projects. Download from jblpro.com website.

CBT SERIES
COMMERCIAL SOUND PRODUCTS

CBT200LA-1
(Not to scale.
Please note
dimensions.)

CBT 70J-1 + 70JE-1
Array System

CBT100 LA-1/CBT-100LA-LS
(shown in white -WH,
with and without grille)



*All models include
grilles, which are
removed in photos
to illustrate driver
composition.*



CONTROL® 60 SERIES

HIGH PERFORMANCE PENDANT LOUDSPEAKERS

The Control 60 Series bring renowned JBL sound and outstanding coverage to rooms and venues with open architecture or high-ceilings, while providing superior voice and musical clarity for rooms with difficult acoustics. Easy to install hanging hardware is included, featuring redundant suspension cables and UL listed adjustable height hangers.

CONTROL 62P

2.5" ULTRA COMPACT SATELLITE PENDANT SPEAKER

The Control 62P is great for speech and mid-high music applications (external high-pass required) in visually sensitive applications. For full-range applications, up to 4 pieces can be driven from a Control 50S/T or 40CS/T subwoofer. Available in Black or White.

- 25 watt continuous power rating
- Can intermix with Control 52 and Control 42C satellite speakers
- 140° nominal coverage angle

CONTROL 65P/T

5.25" COMPACT FULL-RANGE PENDANT SPEAKER

The Control 65P/T incorporates JBL's exclusive RBI Radiation Boundary Integration technology to provide very consistent, wide coverage throughout the listening space. Available in Black or White.

- 75 watt continuous power rating
- 120° conical coverage pattern
- Max SPL @1m: 105dB pink noise, 111 dB peak

CONTROL 67P/T

6.5" EXTENDED FULL-RANGE PENDANT SPEAKER

The Control 67P/T incorporates a larger enclosure and high power 6.5" transducer for extended bass output capability. Available in Black or White.

- 75 watt continuous power rating
- 120° conical coverage pattern
- Max SPL @1m: 109dB pink noise, 115 dB peak

CONTROL 67HC/T

6.5" HIGH CEILING PENDANT SPEAKER

The Control 67HC/T has well controlled narrow coverage, ideal for improved voice intelligibility and musical clarity in high-ceiling venues or in rooms with difficult acoustics. Available in Black or White.

- 75 watt continuous power rating
- Well-controlled 75° conical coverage pattern
- Max SPL @1m: 112dB pink noise, 118 dB peak

Control 60PS/T

8" PENDANT SUBWOOFER WITH CROSSOVER

The Control 60 PS/T provides bass and extension, high impact and good transient response for high-fidelity sound systems. Available in Black or White.

- 150 Watt continuous power rating
- Low Frequency extension down to 42 Hz
- Max SPL @ 1m: 107 dB pink noise, 113 dB peak

ACCESSORIES

MTC-PC60: Terminal Cover for C65P/T, C67P/T, C67HC/T & C60PS/T

MTC-PC62: Terminal Cover for C62P

CONTROL® 50 SERIES

SURFACE-MOUNT SUBWOOFER-SATELLITE SYSTEM

The Control 50 Series subwoofer-satellite loudspeaker system provides high fidelity sound in any location where full-range high fidelity foreground/background music is required from a surface-mount system.

The Control 50S/T subwoofer can be utilized with either two of four Control 52 satellite speakers. The Control 50 system is mono. Both the Control 50S/T and Control 52 can be intermixed in systems along with the Control 40 Series in-ceiling models – Control 40CS/T subwoofer and Control 42 satellite speaker – to match the form factor requirements of a wide variety of applications.



The C50PACK includes 4) Control 52 satellite speakers and 1) Control 50 subwoofer as shown. The Control 50 Series is also available individually.

CONTROL 52

2.5" SURFACE-MOUNT SATELLITE LOUDSPEAKER

The Control 52 satellite loudspeaker produces superb high fidelity sound via a low distortion 2.5" driver. The included wall bracket allows each speaker to be angled up to 45 degrees off-axis.

- 50 watt continuous power rating
- Wall-mount brackets included
- 150° x 150° nominal coverage angle

CONTROL 50S/T

8" SURFACE-MOUNT SUBWOOFER SYSTEM

The Control 50S/T subwoofer contains a high-power, long excursion, 8" driver which provides extended low frequency response. The Control 50S/T installs quickly with its included two-piece easy-mount wall-bracket.

- 300 watt continuous power rating
- Selectable 70V/100V for distributed lines or low impedance
- Usable with Control 42C and Control 62P Models

CONTROL 50PACK

PACKAGED SURFACE-MOUNT SUBWOOFER-SATELLITE LOUDSPEAKER SYSTEM

The Control 50Pack includes four Control 52 satellite speakers and one Control 50S/T subwoofer. Available in Black and White.

- Versatile four satellite speaker system
- Wall mount brackets included
- Low Frequency Down to 32 Hz (-10dB)



The **CONTROL 25AV-LS** is Kitemark approved and UL1480 UUMW listed for use in fire alarm and/or emergency communication systems.

CONTROL® CONTRACTOR

SURFACE MOUNT SPEAKERS

The Control Contractor Surface speakers are compact systems with rugged, molded high impact polystyrene shells. Designed for wide-ranging indoor and outdoor (except SB-2) applications, the Control Contractor Series offers versatility, ease-of-installation and paintability. JBL's Invisiball® mounting technology revolutionizes ease-of-installation with built-in hardware easily secured with a standard hex wrench from the front (except Control CRV). Mounting bracket is included. Available in black or white (except Control SB2).

CONTROL 23 & 23T

HIGH OUTPUT TWO-WAY MID-HIGH LOUDSPEAKER

The Control 23 has a 3.5" woofer and horn-loaded titanium-coated tweeter ideal for mid/high operation in limited space environments. The Control 23T model has a pre-installed transformer.

- 50 watt continuous program power rating
- Conforms to Mil Spec 810 and IEC529 IP-X4
- Readily paintable to match decor

CONTROL 25 & 25T

COMPACT BACKGROUND/FOREGROUND LOUDSPEAKER

The Control 25 incorporates a 5.25" low frequency loudspeaker with a horn-loaded 1" titanium coated tweeter ideal for moderately large venues. The Control 25T model has a pre-installed transformer.

- 150 watt continuous program power rating
- Conforms to Mil Spec 810 and IEC529 IP-X4
- Readily paintable to match decor

CONTROL 25AV & 25AV-LS

COMPACT BACKGROUND/FOREGROUND LOUDSPEAKER

The Control 25 is an especially wide band-width, smooth response speaker. It features a top quality 70V/100V transformer for distribution systems which can also be bypassed for use as an 8 ohm speaker.

The **Control 25AV-LS** is UL1480 UUMW listed for use in fire alarm and/or emergency communication systems. Also EN52-24 certified.

- 200 watt continuous program power rating
- 60 watt transformer for 70V or 100V, and 8 ohm
- Especially wide bandwidth and smooth response.

CONTROL 28 & 28T-60

HIGH OUTPUT BACKGROUND/FOREGROUND SPEAKER

The Control 28 offers high power, performance, bandwidth and sensitivity in a compact full range speaker with an 8" woofer and 1" tweeter. Control 28T-60 contains a multi-tap transformer.

- 175 watt continuous program power rating
- Conforms to Mil Spec 810 and IEC529 IP-X4
- Readily paintable to match decor

CONTROL CRV

CONTEMPORARY CURVED DESIGN LOUDSPEAKER

The Control CRV brings high design and versatility to both indoor and outdoor commercial applications. The CRV incorporates dual 4" woofers and a 3/4" titanium tweeter.

- 75 watt continuous program power rating
- Combinable in half-round or full-round clusters
- Available in black or white finish



L to R:
CONTROL 23/23T
CONTROL 25/25T
CONTROL 25AV & AV-LS
CONTROL 28/28T-60

CONTROL CRV



CONTROL 29AV-1

PREMIUM INDOOR/OUTDOOR MONITOR SPEAKER

The Control 29AV-1 utilizes high power components and a complex network to achieve smooth high fidelity performance and a well-controlled defined coverage from a compact loudspeaker.

- 300 watt continuous program power rating
- Compression driver HF
- 110° x 85° HF coverage with rotatable horn

CONTROL 30

HIGH OUTPUT THREE-WAY MONITOR SPEAKER

The Control 30 is a three-way high output speaker designed for multiple uses. Weather resistance has been maximized, making the Control 30 suitable for outdoor applications. Includes 70V/100V multi-tap transformer.

- 500 watt continuous program power rating
- Conforms to Mil Spec 810 and IEC529 IP-X4
- 120° x 120° HF coverage

CONTROL SB2

STEREO INPUT DUAL COIL 10" SUBWOOFER

The Control SB-2 functions as the subwoofer section of left/right music systems, preserving the stereo separation. The dual coil 10" transducer has been optimized to compliment four Control 23 speakers.

- 340 watt continuous program power rating
- Slot loaded vented bandpass design
- Not outdoor capable

CONTROL SB210

DUAL 10" INDOOR/OUTDOOR HIGH OUTPUT SUBWOOFER

The Control SB210 subwoofer contains two high power 10" woofers suitable for both indoors and out. Its compact size, durable enclosure, insert points, and stacking options making it one of the most versatile subwoofers on the market.

- 800 watt continuous program power rating
- Fully outdoor capable design
- Integrated M6 inserts for optional U-bracket or suspension

ACCESSORIES

MTC-PC2: The MTC-PC2 Panel Cover provides sealed entrance protection for input terminals and strain relief for incoming speaker wire.

MTC-xxSSG and MTC-xxWMG: SSG stainless steel retrofit grilles for Control 23, 25, and 28. WMG WeatherMax™ grilles add a foam and tight-weave backing to break up driving rain.

MTC-xxH* Horizontal Array Brackets: Allows horizontal arraying of two Control 23, 25 or 28 speakers. MTC-H brackets can be interconnected to form a suspended ring for mounting 6 or 3 speakers in a 360° cluster module.

MTC-xxV* Vertical Array Brackets: Allows vertical end-to-end mounting of up to three Control 23, 25, or 28 speakers.

MTC-xxCM* Ceiling Brackets: The curved arm allows installation of Control 23, 25, 28, 29AV or 30 speakers down from a ceiling.

MTC-30MK-WH: Marine grille kit for Control 30 (white only).

SB-2 Installation Brackets: The MTC-SB2W wall/corner bracket allows mounting of the subwoofer onto a wall surface or into a corner. The MTC-SB2C ceiling bracket enables suspension of the SB-2 from above, projecting downward into the listening area.

PMB-BK and PMB-WH: Control CRV pole-mount bracket for 4-speaker 360° hanging pendant cluster.

Various adaptors for installing via threaded pipe or rod available from third party. Contact JBL for information.

** These models are available in different sizes. Specify speaker model when ordering.*

MOUNTING BRACKETS

MTC-xxUB*: U-brackets for installing Control 29AV, 30 and SB210. Available in black or white.



CONTROL 29AV-1 CONTROL 30-WH



CONTROL SB2

CONTROL SB210



126W/WT

128W/WT

CONTROL® CONTRACTOR

EASY TO INSTALL IN-WALL SPEAKERS

The Control 100 Speakers are premium in-wall speakers designed for applications where top performance from a loudspeaker with minimal visual impact is required. The Control 100 Series speakers are voiced similarly to other JBL control Contractor models, allowing mixing with surface-mount and in-ceiling speakers within a single listening space. The premium sound quality makes these loudspeakers ideal for critical listening environments, yet they are high power and rugged enough to handle venues requiring high-SPL heavy duty-cycle music.

CONTROL 126W/WT and CONTROL 128W/WT

PREMIUM IN-WALL HIGH PERFORMANCE SPEAKERS

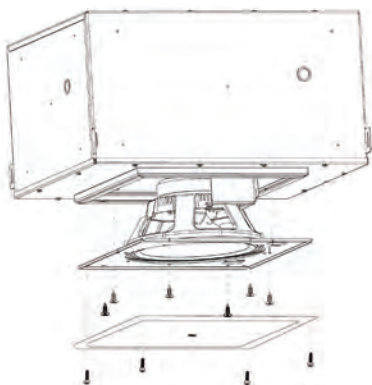
The Control 126W and Control 128W feature high performance woofers with a polymer coated aluminum cone, pure butyl rubber surround for long life and high reliability, and extended polepiece magnet design for long excursion and high reliability. The pure titanium dome high frequency driver is loaded with a built-in EOS™ (Elliptical Oblate Spheroidal) waveguide for low distortion and a smooth frequency response. A low-diffraction swivel mounting system enables the user to direct high frequencies where required without the diffraction distortion inherent in other aimable tweeter designs. A high-slope crossover network maintains natural midrange sound and produces more even coverage throughout the listening area.

The Control 126W has a 6.5" woofer and 1" titanium dome tweeter. The Control 128W has an 8" woofer and 1" titanium dome tweeter. Both are ideal for critical listening applications where top performance and minimal visual impact is required.

The speakers fit into the wall space of ordinary stud-wall construction. An optional rough-in frame is available for installing the speakers into standard stud walls in new construction projects. As is the case with all Control Contractor speakers, the baffles and grilles are paintable to match any décor.

The optional Control 126WT and Control 128WT include 70V/100V transformers for use on distributed loudspeaker lines.

- 200 watt continuous power rating
- High-slope crossover for natural midrange sound
- Includes cutout template & paint shield



CONTROL® 300 SERIES

LARGE FORMAT CEILING SPEAKERS

Control 300 Series represents the state of the art in large-format ceiling loudspeaker systems. True point-source coax designs, multiple power levels and transformer choices, plus an in-ceiling subwoofer, make it easy to fulfill any system performance requirements. Premium components include Kevlar-reinforced cones, low-saturation transformers and legendary JBL compression drivers. Advanced high-slope crossover networks, combined with low system distortion and smooth frequency response provides full, natural music along with exceptional speech intelligibility.

CONTROL 328C & 328CT

8" COAXIAL CEILING LOUDSPEAKER

The Control 328C has a 8" woofer and 1" compression driver engineered from the ground up to deliver exceptional performance in a coaxial point source design ceiling speaker. The optional Control 328CT includes 70V/100V multi-tap transformer.

- 250 watt continuous power rating
- Excellent clarity for speech and vocals
- Consistent 120° broadband pattern control

CONTROL 321C & 321CT

12" COAXIAL CEILING LOUDSPEAKER

The Control 321C has a 12" woofer and 1" compression driver engineered from the ground up to deliver exceptional performance in a coaxial point source design ceiling speaker. The optional Control 321CT includes 70V/100V multi-tap transformer.

- 250 watt continuous power rating
- Excellent clarity for speech and vocals
- Consistent 90° broadband pattern control

CONTROL 322C & 322CT

HIGH OUTPUT 12" COAXIAL CEILING LOUDSPEAKER

The Control 322C has a high output 12" woofer and 1" compression driver engineered from the ground up to deliver exceptional performance in a coaxial point source design ceiling speaker. The optional Control 322CT includes 70V/100V multi-tap transformer.

- 400 watt continuous power rating
- Excellent clarity for speech and vocals
- Consistent 90° broadband pattern control

CONTROL 312CS

HIGH OUTPUT 12" CEILING LOUDSPEAKER

The Control 312CS is a high output 12" subwoofer that is an excellent addition to JBL Control 321, 322, and 328 loudspeaker systems.

- 400 watt continuous power rating
- Kevlar reinforced 12" woofer
- Clean contemporary grille and optional back box

ACCESSORIES

Premium accessories include best-in-class back boxes made of heavy 16 gauge metal and lined with 1/2" MDF, as well as contemporary grilles and an optional higher power transformer. A variety of grilles. Please visit our website for more information.



**CONTROL 226C/T**

Control 200 models are available both in an independent backcan design (Control 227C & 227CT) and in an integrated backcan version (Control 226C/T).

CONTROL® 200 SERIES

MEDIUM FORMAT CEILING SPEAKERS

Control 226C/T, 227C and 227CT are premium in-ceiling speakers designed to meet the increasing market demand for premium quality sound in ceiling-mount applications. The Control 200 Series loudspeakers incorporate breakthrough performance features such as best-in-class pattern control to provide a consistent sound throughout the listening area. Especially wide coverage allows fewer speakers to cover the space, reducing both the material and labor cost for the installation. The high-power kevlar-reinforced 6.5 in (165 mm) low-frequency driver along with the titanium-diaphragm compression driver and the advanced-technology steep-slope crossover provide superb, wide-bandwidth sound quality.

Control 226C/T

6.5" COAXIAL CEILING LOUDSPEAKER

Control 226C/T is a compact, easy-to-install speaker with integrated backcan for blind-mounting into ceilings. It features a top-quality 60W multi-tap transformer for 70V/100V line distribution systems. The transformer may be bypassed, allowing the Control 226C/T to be used as a low-impedance 8 ohm speaker. C-ring, tile rails and grille are included. This model is designed to be able to utilize the optional MTC-19NC new construction ring and MTC-19MR plaster-ring for new construction projects requiring pre-installation rings.

- 150 watt continuous power rating
- Excellent clarity for speech and vocals
- Consistent 120° broadband pattern control

Control 227C & 227CT

6.5" COAXIAL CEILING LOUDSPEAKER

Control 227C is a high-output, low-impedance 8 ohm speaker assembly for installation with the separate MTC-200BB8 backcan and MTC-RG6/8 grille (both sold separately). Optional accessories include MTC-19NC new construction ring, MTC-19MR plaster-ring, and MTC-TB6/8 tile bridge. **Control 227CT** is a 70V/100V version of Control 227C, featuring a top-quality 60W multi-tap transformer for 70V/100V line distribution systems.

- 150 watt continuous power rating
- Excellent clarity for speech and vocals
- Consistent 120° broadband pattern control

PREMIUM ACCESSORIES

MTC-200BB6: Backcan for Control 227C and 227CT. 13.3 inches (337 mm) max diameter x 8.1 inches (206 mm) deep.

MTC-RG6/8: Round grille for Control 227C and 227CT. Also fits Control 328C & 328CT. 13.6 inches (345 mm) in diameter

MTC-SG6/8: Square grille for Control 227C and 227CT. Also fits Control 328C & 328CT. 13.4 inches (340 mm) x 13.4 inches (340 mm).

MTC-TB6/8: Tile bridge for Control 227C and 227CT. Also fits Control 328C & 328CT.

MTC-19NC & MTC-19MR: New-construction and mud rings fit Control 226 for new construction applications requiring pre-installation rings.



**CONTROL 227C
& 227CT
Assembly with
Backcan
and Grille**

CONTROL 227C**CONTROL 226C/T****CONTROL 227CT**



CONTROL 45C/T
Shown without grille

CONTROL® 40 SERIES

EXTENDED PERFORMANCE SMALL FORMAT CEILING SPEAKERS WITH CONICAL RBI

The Control 40 Series Ceiling Speakers are designed to work perfectly in environments that require a premium, in-ceiling speaker with an extremely wide bandwidth and consistent coverage. Consisting of three 6.5" coaxial models, a 2.5" ultra-compact satellite speaker and in-ceiling subwoofer, the Control 40 Series can be configured in many different ways to accommodate a full range of applications. JBL focused on ease-of-installation by including an integrated backcan, grille and tile rails (except Control 42C), locking 2-pin connectors and two knockouts. The Control 40 Series speakers are designed for use in air handling spaces.

CONTROL 47C/T & CONTROL 47LP

6.5" COAXIAL CEILING LOUDSPEAKER

The Control 47C/T and Control 47LP are designed for applications that require extremely wide bandwidth and very consistent coverage. The Control 47LP (Low Profile Backcan) is identical to the Control 47 but equipped with a shallow backcan for use in areas with restricted mounting depths.

- 150 watt continuous program power rating (8 ohm)
- 8 ohm and 70V/100V operation
- Consistent 120° broadband pattern control

CONTROL 47HC

6.5" COAXIAL CEILING LOUDSPEAKER

The Control 47HC is designed for applications that require a narrow focused beamwidth pattern and very consistent coverage, such as for increasing clarity, intelligibility and SPL when in high-ceiling applications.

- 150 watt continuous program power rating (8 ohm)
- 8 ohm and 70V/100V operation
- Narrow 75° coverage pattern

Control 45C/T

5.25" COAXIAL CEILING LOUDSPEAKER

The Control 45C/T is a premium loudspeaker designed for applications that can benefit from extremely wide bandwidth and very consistent coverage from a ceiling speaker with a small footprint.

- 150 watt continuous program power rating (8 ohm)
- 8 ohm and 70V/100V operation
- Consistent 120° broadband pattern control

CONTROL 42C

2.5" ULTRA COMPACT SATELLITE SPEAKER

The Control 42C is an ultra-compact in-ceiling satellite loudspeaker designed for use with the Control 40CS/T subwoofer. It offers an unobtrusive design which is ideal for a wide range of installations.

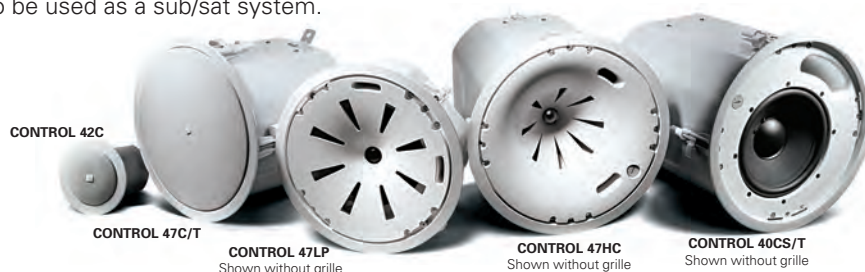
- 30 watt continuous program power rating
- Small unobtrusive design
- High fidelity sound for subwoofer-satellite systems

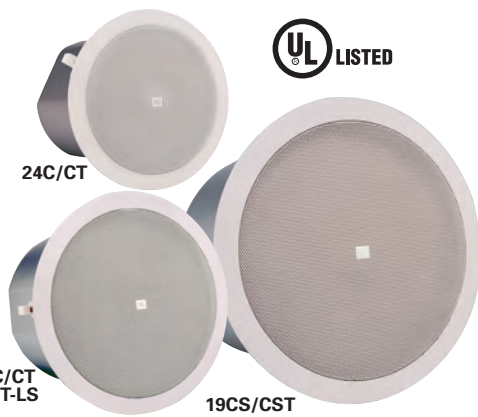
CONTROL 40CS/T

8" HIGH IMPACT CEILING SUBWOOFER

The Control 40CS/T is a direct radiating, high impact 8" subwoofer designed for powerful bass response in an in-ceiling loudspeaker. It features a built in crossover network and four high-passed outputs enabling it to be used as a sub/sat system.

- 100 watt continuous program power rating
- Switchable 70V/100V or Low-z
- Passive crossover network for easy system install





CONTROL® 20 SERIES

PREMIUM SMALL FORMAT CEILING SPEAKERS

The Control 20 Series ceiling speakers deliver high power handling, overload protection and exceptional sound level capability and are packaged as complete assemblies, including integral backcan, front grille and tile bridge support hardware (except Control 26-DT). Innovative design features such as titanium-coated tweeters and JBL's unique diffraction-horn loading provide broad, even coverage through the listening area.

CONTROL 24C MICRO, 24CT MICRO & 24CT MICROPLUS

4.5" BACKGROUND MUSIC CEILING LOUDSPEAKER

The Control 24C/CT Micro and 24CT MicroPlus are compact and easy to install in-ceiling speakers providing full, high quality sound for background music and music-plus paging systems. The 24CT Micro includes a 9W multi-tap transformer and the 24CT MicroPlus includes a 25W multi-tap transformer.

- 30 watt continuous program power rating (24C Micro)
- Can depth of 4.1" (105mm) for shallow ceiling spaces
- Extremely wide 150° coverage pattern



CONTROL 24C, 24CT & 24CT-BK

4" COAXIAL CEILING SPEAKER

The Control 24C contains a coaxially mounted 4" woofer and 3/4" titanium coated tweeter providing high fidelity sound over a wide coverage area. The 24CT provides a 70V/100V multi-tap transformer. The 24CT is available in black (C24CT-BK).

- 80 watt continuous program power rating
- Extremely wide 130° coverage pattern

CONTROL 26C, 26CT & 26CT-LS

6.5" COAXIAL CEILING SPEAKER

The Control 26C contains a coaxially mounted 6.5" woofer and 3/4" titanium coated tweeter, able to deliver maximum sound level over a defined area. The 26CT provides a 70V/100V multi-tap transformer. The 26CT-LS is UL1480/UUMW life-safety certified.

- 150 watt continuous program power rating
- Extremely wide 110° coverage pattern

CONTROL 26-DT

6.5" COAXIAL CEILING SPEAKER

The Control 26-DT is an 6.5" coaxial ceiling speaker designed to fit into a standard 8" ceiling speaker backcan. A high quality transformer is included for 70V/100V distributed lines.

- 60 watt transformer for 70V/100V distributed lines
- 90° nominal coverage angle

26-DT



CONTROL 19CS & 19CST

8" CEILING SUBWOOFER

The Control 19CS uses advanced technology to produce powerful bass from a low profile ceiling speaker. The optional 19CST has a special subwoofer band transformer for 70V/100V operation.

- 200 watt continuous program power rating
- Simple installation and wire connecting method
- Low frequency response down to 42Hz (-10dB)

ACCESSORIES

New Construction Bracket: MTC-xxNC*
Plaster Ring Bracket: MTC-xxMR*

Trim Rings: Allow for installation into existing ceiling speaker cutouts that are larger than the speaker's normal cutout size. MTC-xxTR*.

MTC-48TRx12: Tile Rails for 4' x 4' ceiling tiles (pack of 12 rails)

* These models are available in different sizes. Specify speaker model when ordering.



CONTROL 12C/T-BK
Shown without grille

CONTROL® 10 SERIES

AFFORDABLE BLIND-MOUNT CEILING SPEAKERS

Control 10 Series in-ceiling loudspeakers meet the increased market demand for superior sound quality, installation-friendly features and value, delivering a level of sonic performance unmatched by comparably priced products. They are ideal for applications where excellent sound quality is needed for medium-volume music playback and paging.

Control 10 Series models feature wide bandwidth, wide coverage, and combined 70V/100V and 8 ohm operation in each speaker. Dual conduit clamp allows separate strain reliefs for the input and loop out cables. Available in either white or black (-BK).

CONTROL 12C/T

3" FULL-RANGE COMPACT CEILING SPEAKER

The Control 12C/T is a high fidelity speaker with a 3" full-range driver and a wide frequency range of 68 Hz to 17 kHz. The short (4.7in./120mm) blind-mount backcan allows easy installation in shallow ceiling spaces.

- 40 watt continuous program power rating
- 130° conical coverage angle
- Max SPL@1m: 97dB average, 103dB peak

CONTROL 14C/T

4" TWO-WAY COAXIAL CEILING SPEAKER

The Control 14C/T contains a co-axially mounted 4" woofer and ¾" soft dome tweeter. The liquid-cooled soft dome tweeter provides clear, pleasant sound over a wide coverage area. Blind-mount backcan for quick and easy installation.

- 60 watt continuous program power rating
- 120° conical coverage angle
- Max SPL@1m: 102dB average, 108dB peak

CONTROL 16C/T

6.5" TWO-WAY COAXIAL CEILING SPEAKER

The Control 16C/T is the largest Control 10 Series model, containing a co-axially mounted 6-1/2" woofer and ¾" soft dome tweeter. High 91 dB sensitivity allows for high maximum SPL with wide bandwidth. Blind-mount backcan for quick and easy installation.

- 100 watt continuous program power rating
- 110° conical coverage angle
- Max SPL@1m: 108dB average, 116dB peak

ACCESSORIES

New Construction Brackets & Trim Rings: The Control 10 Series speaker utilize the Control 20 Series NC New Construction Brackets, MR Plaster Ring Brackets, and TR Trim Rings.

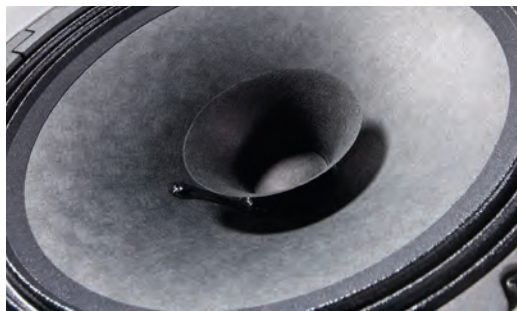
Control 12C/T and 14C/T utilize MTC-24NC, MR & TR.

Control 16C/T utilizes MTC-26NC, MR & TR.

MTC-48TRx12: Tile Rails for 4' x 4' ceiling tiles (pack of 12 rails).



Each speaker is equipped with a selector for 100V, 70V or 8 ohm direct operation.



The 8124 4-inch (100 mm) full-range loudspeaker and the two 8-inch (200 mm) full-range loudspeakers feature high sensitivity drivers that deliver maximum sound levels using minimal amplifier power. (8128/8138 shown)

8100 SERIES

SCULPTED GRILLE DUAL-CONE CEILING SPEAKERS

High sensitivity at a cost-effective price point, the 8100 Series is an easy to install loudspeaker solution for a wide variety of commercial sound applications. With its contemporary grill design, the 8100 Series loudspeakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception areas. All models feature 6 watt transformer for 70V/100V distributed lines.

8124

4" FULL-RANGE CEILING SPEAKER

The 8124 is a 4-inch (100 mm) full-range loudspeaker, featuring a high sensitivity driver that provides 130° conical coverage in a lightweight (2.5 lb) package.

- Frequency response (-10dB): 60 Hz -18 kHz
- Dog-ears for easy Blind Mount installations
- For areas not requiring backcan

8128

8" FULL-RANGE CEILING SPEAKER

The 8128 is an 8-inch (200 mm) full-range loudspeaker, featuring a high sensitivity driver that provides 90° conical coverage in a lightweight (3.0 lb) package.

- Frequency response (-10dB): 50 Hz -16 kHz
- Dog-ears for easy Blind Mount installations
- For areas not requiring a backcan

8138

8" FULL-RANGE CEILING SPEAKER

The 8138 is an 8-inch (200 mm) full-range loudspeaker designed for use with MTC-BB8 pre-install in-ceiling backcan, resulting in high sensitivity performance at a cost effective price point.

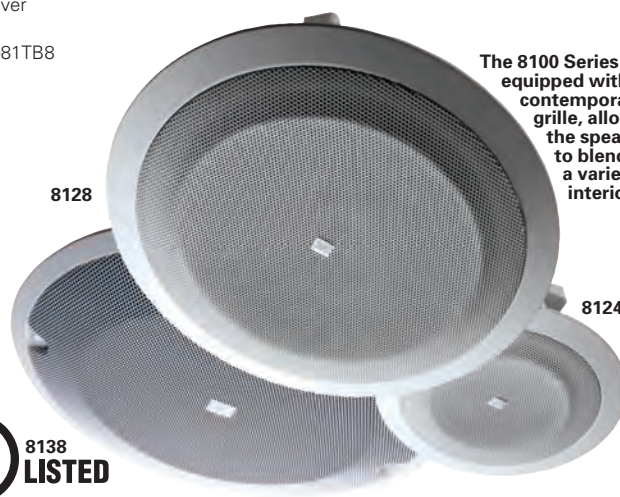
- Frequency response (-10dB): 95 Hz -18 kHz
- Installs to in-ceiling backboxes with 4 mounting points on an 11.25" mounting circle
- Clear, high-fidelity performance when used in JBL pre-install backcan

ACCESSORIES

Because of the very light weight of 8124 and 8128, tile rails may not be required for some in-ceiling applications. They are not packaged with these models, however MTC-RAIL tile rail sets and MTC-8124C and MTC-8128C C-Rings are available separately. The 8138 is designed for use with MTC-81BB8 backcan and MTC-81TB8 tile bridge.



The 8124 and 8128 Ceiling Speakers are designed with built-in dog-ears for fast and easy installations, and are lightweight with open-back design for applications not requiring an in-ceiling backcan.



The 8100 Series is equipped with a contemporary grille, allowing the speakers to blend with a variety of interiors.



COMMERCIAL SOLUTION SERIES

CSS CEILING AND SURFACE-MOUNT SPEAKERS

The JBL Commercial Series provides affordable performance for paging and background music applications in retail stores, restaurants, schools and other facilities.

CSS8004

4" COMMERCIAL CEILING SPEAKER

The CS8004 is a 4" ceiling speaker designed for paging and background music applications. High sensitivity across the product line provides maximum sound level, even at low tap settings.

- 30W continuous program power rating
- 5W multi-tap transformer for 25V/70V/100V operation
- Very wide 175° coverage pattern

CSS8008

8" COMMERCIAL CEILING SPEAKER

The CS8008 is a 8" ceiling speaker designed for paging and background music applications. High sensitivity across the product line provides maximum sound level, even at low tap settings.

- 30W continuous program power rating
- 5W multi-tap transformer for 25V/70V/100V operation
- Very wide 120° conical coverage pattern

CSS8018

8" COMMERCIAL CEILING SPEAKER

The CS8018 is a 8" ceiling speaker designed for paging and background music applications. High sensitivity across the product line provides maximum sound level, even at low tap settings.

- 40W continuous program power rating
- 10W multi-tap transformer for 25V/70V/100V operation
- Very wide 110° conical coverage pattern

ACCESSORIES FOR CSS8004, CSS8008 and CSS8018

MTC-BB4x6: Pre-install backcan for CSS8004. Pack of 6 pcs.

MTC-BB8x6: Pre-install backcan for CSS8008 and CSS8018. Pack of 6 pcs.

MTC-TR4/8x12: Tile rails for CSS-BB4 and CSS-BB8 backcans. Pack of 12 pcs. for 6 speakers.

CSS-1S/T

5.25" COMPACT TWO-WAY LOUDSPEAKER

The CSS-1S/T is a versatile, compact two-way loudspeaker designed for use on 100V or 70V distributed speaker lines or in 8 ohm direct mode. Aimable wall-mount bracket is included.



CSS-1S/T

- 60W continuous program power rating
- 10W multi-tap transformer for 70V/100V operation
- 120° x 120° coverage pattern

CSS-H15 / CSS-H30

15 WATT / 30 WATT PAGING HORNS

The CSS-H15 and H30 paging horns provide excellent voice range clarity. The wide coverage pattern allow the horns to cover larger audience areas, and they are designed for demanding environmental conditions.

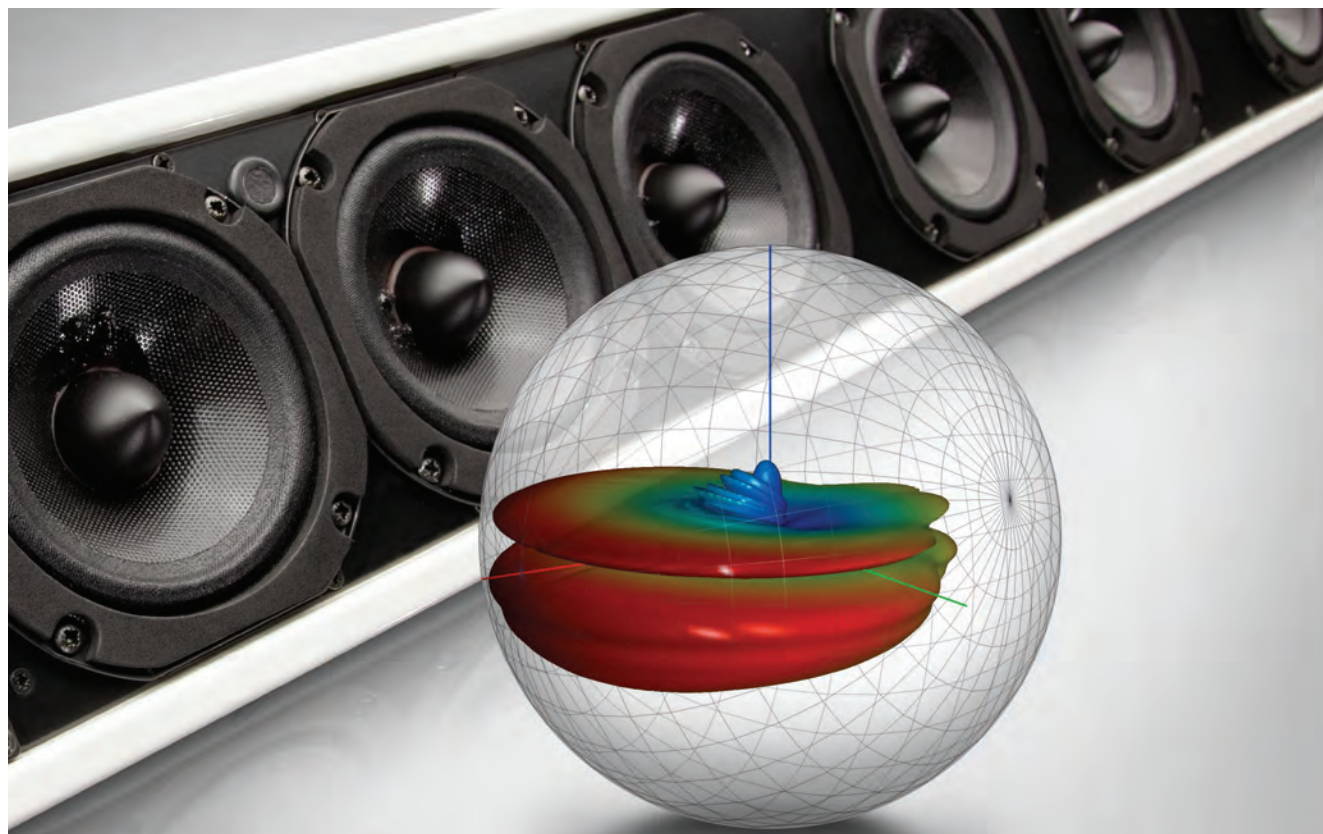


CSS-H15 / CSS-H30

- 15W or 30W continuous program power rating
- 15W or 30W multi-tap transformer for 70V/100V operation
- 70° x 90° (H15) or 50° x 70° (H30) coverage pattern

INTELLIVOX

DIGITALLY CONTROLLABLE, BEYOND BEAM STEERING



INTELLIVOX
COMMERCIAL SOUND PRODUCTS

The biggest challenge facing a sound system designer is devising a system which will have a high direct to reverberant sound ratio, maximizing the sound that arrives directly to the listeners ear, while reducing the sound energy from walls, ceilings and other acoustically reflective surfaces. With the Intellivox DDC (Digital Directivity Control), DDS (Digital Directivity Synthesis) technologies, and WinControl software it's possible to control the vertical directivity pattern of Intellivox products and aim the sound where you want it - at the listener.

The standard Intellivox DC and DS column speakers are 134mm wide, 92 mm deep and available in 6 lengths. 1150mm, 1800mm, 2800mm, 3800mm, 4300mm and 5000mm. The longer the array, the more control you have over the directivity. They each have an array of 4 inch drivers with built in amplification and DSP. The DC/DS 115 has 2 additional tweeters to extend the frequency range.

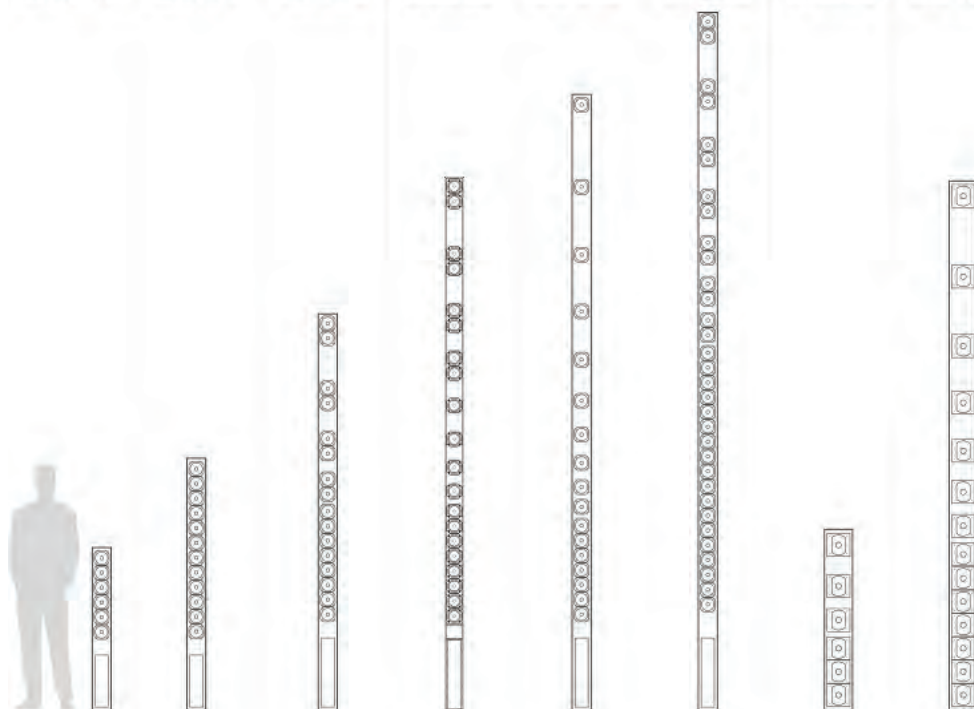
The Intellivox DSX products have the same dimensions as their DC/DS equivalent, and include a small horn array, extending the frequency response to 18 kHz.

For an even wider frequency range we also manufacture the DC/DS 808 and 1608 with 6.5 inch drivers, making the speakers better suited to Music as well as speech. The electronics module for these units comes separated in a 3RU enclosure.



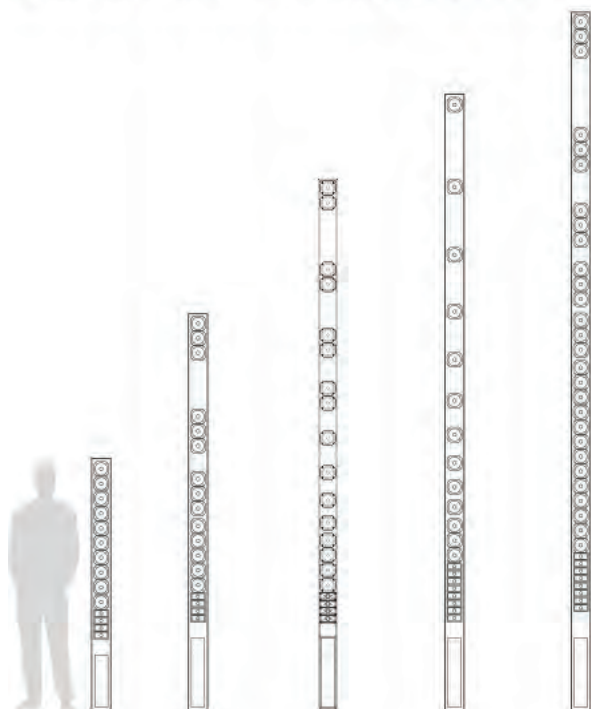
INTELLIVOX DC & DS FAMILIES

DC115 DS115 DC180 DS180 DC280 DS280 DC380 DS380 DC430 DS430 DC500 DS500 DC808 DS808 DC1608 DS1608



INTELLIVOX DSX FAMILIES

DSX180 DSX280 DSX380 DSX430 DSX500





M2 Master Reference Monitors at The Village Studios, Los Angeles, CA

STUDIO MONITORS

SMOOTH ACCURATE RESPONSE AT THE MIX POSITION

JBL Studio Monitors go “beyond accurate” all the way to “stunning” by incorporating features that reduce the effect of problems in the room. We start with the latest JBL transducer and network technologies for ultra-flat response and exceptional dynamic range. Then we incorporate features that optimize monitoring accuracy in your workspace. So even if you work in a small home studio, you’ll have clear sound at the mix position. All models in the line are engineered for use in the most demanding production environments. With JBL Studio Monitors mixing is a pleasure.



JBL PROFESSIONAL IS THE PROUD RECIPIENT OF THE 2005 TECHNICAL GRAMMY®

The National Academy Of Recording Arts and Sciences Presented the 2005 Technical GRAMMY® Award to JBL Professional for Continual Mastery and Innovation in Concert, Studio, Cinema and Broadcast Sound and Monitors to Ensure Exacting Standards for the Most Accurate Sonic Experience.

Linear Spatial Reference (LSR) Technology

Much of what you hear at the mix position is reflected - not direct sound. LSR Technology ensures mid and high frequency response of our speakers is neutral at the mix position. As a result, the reflected sound that reaches the mix position is smooth and accurate.

Stunning Sound

Starting with application-designed and built transducers engineered for extremely accurate response and superb power handling, the stunning sound of the JBL Studio Monitors makes long mix sessions a pleasure. Meeting higher standards than any other loudspeaker manufacturer, JBL's demanding tests ensure that our speakers give you accurate mixes year after year.



M2 MASTER REFERENCE MONITOR

THE NEW STANDARD OF ACCURACY AND PERFORMANCE

Until now, the impressive large-format monitoring experience has been unattainable in small and medium-size rooms. With the introduction of the M2 Master Reference Monitor, JBL brings world-class large-format monitoring to a broad range of production spaces. Leveraging a new generation of high-output, ultra-low distortion JBL transducers, the M2 provides an in-room response of 20 Hz to 40 kHz, with the high SPL and dynamic range required for demanding music and film production. The M2's revolutionary Image Control waveguide ensures stunning imaging across a wide listening area. With a footprint of only 14 inches deep and 20 inches wide, the M2 two-way system outperforms many larger and more costly 3-way and 4-way systems, making big, detailed sound an option for artist studios, mastering facilities, small mix stages and screening rooms.



M2 (shown with removable grille)

D2 Dual-Diaphragm Dual Voice Coil Compression Driver

The D2 high-frequency compression driver in the M2 provides smooth extended high frequency response to 40 kHz, with extraordinary output and ultra-low distortion. The advanced Image Control waveguide produces remarkable imaging, neutral broad-band in-room response and enhanced high-frequency coverage.



2216ND Differential Drive Low Frequency Transducer

The 2216ND is made with two neodymium magnets and dual voice coils employing patented low thermal coefficient of resistance wire. This allows very high output with minimal power compression, resulting in deep distortion-free bass even at very high SPL.

Crown Power

The M2 System is bi-amplified and tuned with Crown iTech 5000HD or ITech4x3500HD amplifiers for unmatched power and transient response. Multiple systems can be networked and centrally controlled using Harman System Architect™ Software. Optional configurations include BSS Soundweb™ London signal processing and I/O. Each speaker can be calibrated and optimized for room placement and acoustics.





7 SERIES

NEXT GENERATION MONITORING DEVELOPED FROM THE GROUND UP FOR POST AND BROADCAST FACILITIES.



JBL's new 7 Series Studio Monitors answer the call for next generation multi-channel monitoring in post and broadcast production control rooms. Leveraging patented technologies developed for JBL's flagship M2 Master Reference Monitor, 7 models deliver detailed imaging, extended frequency response and remarkable output from compact enclosures. Centrally amplified and tuned, and easily installed, 705i and 708i Studio Monitors are the heart of an elegant, scalable system for broadcast and post facilities working in 5.1, 7.1 surround sound and immersive audio formats.

Next Generation Transducers

Meeting the dynamic range and extended frequency response requirements of today's production formats, 7 Series models leverage JBL next generation ultra-low distortion drivers that deliver extraordinary output and remarkable frequency response.



Patent-Pending Image Control Waveguide

First introduced in the JBL M2 Master Reference Monitor, the Image Control Wave Guide technology delivers detailed imaging, neutral response in the critical dialog range, and greater room-to-room consistency.



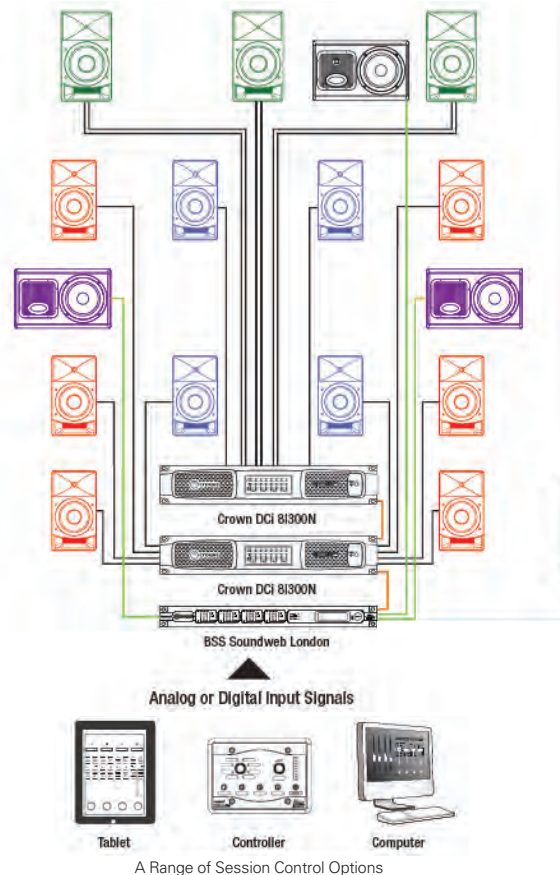
Centrally Processed and Amplified

The system is centrally processed and powered leveraging the superb performance and high density of eight channel Crown power amps and BSS Soundweb London Processors. Centralized electronics eliminate the expense of providing power outlets at each speaker location and allow comprehensive system control and tuning

Compact, Install-Friendly Enclosures

- Compact front-ported enclosures are designed to minimize interference with sight lines and reduce the impact on available space
- Integrated mounting points and a range of mounting options allow the 705i and 708i to go where others can't

Next Generation Scalable Systems for any size Post or Broadcast control room



7 SERIES
STUDIO MONITORS



LSR708i

8" TWO-WAY STUDIO MONITOR

- RESPONSE -1.5 dB @ 45 – 23kHz
- FREQUENCY RANGE 35Hz – 36 kHz
- MAX SPL (80 Hz - 20 kHz) >108 dB SPL / 1m

Dimensions (H x W x D): 17.25 x 9.75 x 11 in.

(438 x 248 x 280 mm)



LSR705i

5" TWO-WAY STUDIO MONITOR

- RESPONSE -1.5 dB @ 45 – 23kHz
- FREQUENCY RANGE 39Hz – 36 kHz
- MAX SPL (80 Hz - 20 kHz) >101 dB SPL / 1m

Dimensions (H x W x D): 10.5 x 5.875 x 8.125 in.

(267 x 149 x 206 mm)



LSR6300 SERIES

EXCEPTIONAL ACCURACY AND PERFORMANCE

The award-winning JBL LSR6300 Series professional loudspeakers deliver the exceptional accuracy and performance needed in demanding music, post audio and broadcast applications. Each model provides ultra-flat response, extraordinary SPL capability and technology to optimize performance in any size production environment. All models are shielded, ready for mounting and THX pm3[®] approved.



LSR6325P-1

COMPACT POWERED 5.25" TWO-WAY STUDIO MONITOR

The LSR6325P-1 provides exceptional performance for use in applications where accuracy is a must, but space is limited. With a 5.25" high-excursion woofer, 1" damped titanium composite tweeter, and 150 watts of amplification, it outperforms many larger systems.



- Peak SPL of 109dB
- Front panel volume and power controls
- Integrated mounting points

LSR6328P

8" POWERED TWO-WAY STUDIO MONITOR

The LSR6328P is the choice for stereo and multi-channel music and post audio applications where accuracy and high SPL are required. With ruler flat response from 50 Hz to 20 kHz, low frequency extension to 36 Hz, boundary compensation and JBL's new RMC system, the LSR6328P gives you exceptional low frequency performance in any room.



- Peak SPL of 111dB
- Differential Drive technology for extended low frequency response
- Integrated mounting points for installation

LSR6332

12" PASSIVE HIGH SPL THREE-WAY STUDIO MONITOR

The LSR6332 is the ideal choice if you need a larger monitor with high SPL for mid-field, soffit or behind the screen applications. This three-way non-powered system features a 12" Differential Drive woofer, 5" Kevlar midrange speaker, and 1" titanium composite tweeter.



- Peak SPL of 112dB
- Differential Drive technology with dynamic braking
- Rotatable sub-baffle for horizontal or vertical orientation

LSR6312SP

12" POWERED SUBWOOFER

The LSR6312 powered subwoofer is based on a 12" Differential Drive woofer and 260 watts of power. An integral bass-management system provides all the features you need for today's multi-format surround production. JBL's RMC Calibration Kit included.



- Peak SPL of 115dB
- Sophisticated LCR bass management system
- Direct LFE input with selectable input sensitivity

LSR6300 SERIES
STUDIO MONITORS



LSR4300 SERIES



LSR4300 SERIES
STUDIO MONITORS



LSR4328P

8" POWERED TWO-WAY STUDIO MONITOR

The LSR4328P is a bi-amplified system with a 8" woofer and a 1" silk-dome tweeter. It also features JBL's exclusive RMC Room Mode Correction that analyzes and corrects the response of each speaker in the room for absolute accuracy at the mix position.

- Peak SPL of 112dB
- Convenient mounting points for mounted installation
- Integrated handles for ease of positioning



System calibration is accomplished by simply plugging the LSR4300 calibration microphone into the speaker and pushing a button.

LSR4300 Accessory Kit includes:



- LSR4300 Calibration Mic and mic clip
- Remote Control
- LSR4300 Control Center Software
- USB Cable

Included in the LSR4328P/PAK



3 SERIES

EXCEPTIONAL PERFORMANCE REMARKABLE IMAGING
PRICED WITHIN REACH OF ANY STUDIO

The 3 Series Powered Studio Monitors are the first to incorporate JBL's groundbreaking Image Control Waveguide from our flagship M2 Master Reference Monitors. Unprecedented detail, imaging and depth clearly reveal micro-dynamics in reverb tails, subtleties of mic placement, and a tangible sense of a center channel speaker. A broad, room-friendly sweet spot ensures equal dimension and transparency for everyone in the room. With legendary JBL transducers and custom-designed power amplifiers, the 3 Series will boost the image in your studio.

LSR305

5" Two-Way Powered Monitor

- Frequency range : 43 Hz - 24 kHz
- Max Peak SPL : 108 dB
- Amplifier Power : 80 w

LSR308

8" Two-Way Powered Monitor

- Frequency range : 37 Hz - 24 kHz
- Max Peak SPL : 112 dB
- Amplifier Power : 100 w

LSR305

5" TWO-WAY POWERED MONITOR

Bi-amplified studio monitor with magnetically-shielded 5" low frequency transducer and 1" soft-dome high frequency transducer and Image Control Wave Guide. Class-D 41 watt RMS amplifier for LF, and 41 watt RMS amplifier for HF.

LSR308

8" TWO-WAY POWERED MONITOR

Bi-amplified studio monitor with magnetically-shielded 8" low frequency transducer and 1" soft-dome high frequency transducer and Image Control Wave Guide. Class-D 56 watt RMS amplifier for LF, and 56 watt RMS amplifier for HF.

LSR310S

10" POWERED STUDIO SUBWOOFER

Down-firing high excursion subwoofer system with a 10" woofer and JBL's patented Slip Stream port which deliver impressive low frequency extension and output. Class-D 200 watt RMS amplifier. A JBL first, the included XLF Extended Low Frequency setting lets you hear your tracks with the augmented bass tuning used in today's dance clubs.


CONTROL 1 PRO

CONTROL® MONITORS

COMPACT PROFESSIONAL INSTALLATION MONITORS

The JBL Control Series speakers offer well balanced sound and exceptional power handling, making these speakers ideal for any installation requiring professional control monitor performance from a compact source.


CONTROL 1 PRO-WH

CONTROL 1 PRO

COMPACT 5.25" PASSIVE TWO-WAY LOUDSPEAKER SYSTEM

The Control 1 Pro is a high-performance compact loudspeaker system incorporating monitor-grade, magnetically shielded transducers, a professional crossover network and full-range SonicGuard overload protection.

- 80 Hz to 20 kHz Frequency Range
- Includes mounting bracket
- Available in black or white finishes


CONTROL 2P

CONTROL 2P

COMPACT 5.25" POWERED TWO-WAY LOUDSPEAKER SYSTEM

The Control 2P compact powered reference monitor system combines JBL's legendary loudspeaker design with powerful amplification to deliver rich, accurate performance for demanding audio applications.

- 80 Hz - 20 kHz Frequency Range
- Stereo headphone jack for headphone monitoring
- Can be wall mounted with optional MTC-2P kit

CONTROL MONITORS
STUDIO MONITORS


CONTROL 5

CONTROL 5

COMPACT 6.5" PASSIVE TWO-WAY LOUDSPEAKER SYSTEM

The Control 5 is a high-performance, wide range control monitor suitable for use as the primary sound source in a variety of applications. All transducers are magnetically shielded for use in close proximity to video monitors.

- Molded enclosure with shielded magnet structure
- 55 Hz - 20 kHz Frequency Range
- Available in black or white finishes



5742



5732

SCREENARRAY® SERIES

ULTRA HIGH POWER LARGE FORMAT LOUDSPEAKER SYSTEMS

The 5742 four-way and 5732 three-way Ultra High Power ScreenArray speakers provide extreme power for large format auditoriums and are designed as the ideal large format loudspeaker system. Both systems feature a 150 watt, 4" titanium diaphragm high frequency driver on JBL's patented Optimized Aperture waveguide.

- THX® approved
- Ultra high power for large auditoriums
- Both 3-way and 4-way speakers



5742
(Rear View)

5742

DUAL 18" FOUR-WAY CINEMA LOUDSPEAKER SYSTEM

The 5742 quad-amplified system features true four-way design with a quad midrange array of four 8" Differential Drive cone midrange drivers providing 1400 watts of smooth coverage coupled with a dual 18" low frequency section.

- Peak SPL of 136dB
- Flat front waveguide for easy baffle wall installation
- Shallow 24" depth for minimum behind-screen depth requirements



5732
(Side View)

5732

DUAL 15" THREE-WAY CINEMA LOUDSPEAKER SYSTEM

The 5732 tri-amplified system is ideal for premier cinemas and post production facilities requiring enhanced power and headroom. The 5732 features a powerful 700 watt midrange section with dual 8" Differential Drive transducers coupled with a dual 15" low frequency section.

- Peak SPL of 128dB
- Flat front waveguide for easy baffle wall installation
- Shallow 18" depth for minimum behind-screen depth requirements

SCREENARRAY® SERIES

THE MOST POPULAR CINEMA LOUDSPEAKERS
THROUGHOUT THE WORLD

With the advent of digital cinema, today's cinema patron is even more demanding of perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth and inaudible levels of distortion. Continuing to provide cinema exhibition venues and post production facilities with unprecedented audio performance and advanced technology, JBL introduced the "Next Generation" of its award winning ScreenArray digital cinema loudspeakers. Since their introduction, JBL ScreenArray systems have become the choice for premium cinemas throughout the world. With significant improvements in performance and design, the new ScreenArray systems will continue to be the most popular cinema loudspeakers throughout the world.

JBL offers two ScreenArray systems to meet the challenges posed by lower cost installations. All systems products provide ultra smooth and accurate sound reproduction in a compact and highly cost effective system. The 3722N Passive system and 3722 Bi-amplified system, the 4722N Passive system and the 4722 Bi-amplified system feature the ultra-low distortion ScreenArray high frequency horn with SSC and dual 15" low-frequency sections.



SCREENARRAY SERIES
CINEMA LOUDSPEAKER SYSTEMS

3722 & 3722N

DUAL 15" TWO-WAY CINEMA LOUDSPEAKER SYSTEM

The 3722 and 3722N provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective passive system. The system is comprised of two parts: the 3722-HF high frequency pack and the 3739 low-frequency system.

- Peak SPL of 127dB
- 3722 available as passive model with network (3722N)
- High quality in a compact and very cost effective system

4722 & 4722N

DUAL 15" TWO-WAY CINEMA LOUDSPEAKER SYSTEM

The 4722 and 4722N provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective passive system. The system is comprised of two parts: the 4722-HF high frequency pack and the 4739 low-frequency system.

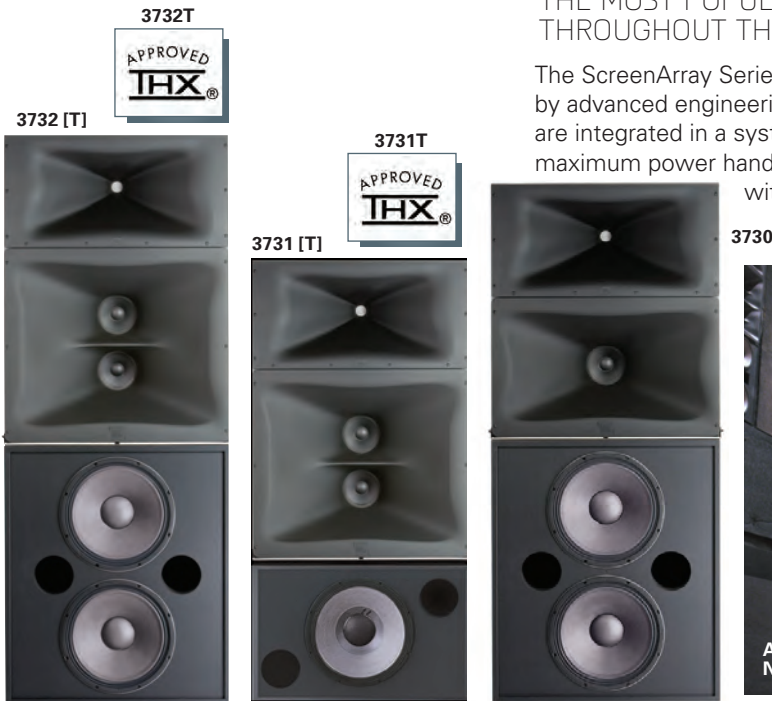
- Peak SPL of 130dB
- 4722 available as passive model with network (4722N)
- High quality in a compact and very cost effect system



SCREENARRAY® SERIES

THE MOST POPULAR CINEMA LOUSPEAKERS
THROUGHOUT THE WORLD

The ScreenArray Series features true three-way system design enhanced by advanced engineering. JBL Professional's best technical innovations are integrated in a system design that provides superior coverage, maximum power handling, and uniform acoustic power output, along with extremely low distortion.



Academy of Television Arts and Sciences
North Hollywood, California



4732 & 4732T

15" THREE-WAY CINEMA SPEAKER SYSTEM
The 4732 and 4732-T feature true three-way system design enhanced for critical film sound reproduction in medium to large cinema environments. The system comes as a bi-amplified (4732) or tri-amplified (4732-T) solution.

- Peak SPL of 130dB
- Second generation Optimized Aperture Waveguide

3732 & 3732T

15" THREE-WAY CINEMA SPEAKER SYSTEM
The 3732 and 3732-T feature true three-way system design enhanced for critical film sound reproduction in small to medium cinema environments. The system comes as a bi-amplified (3732) or tri-amplified (3732-T) solution.

- Peak SPL of 125dB
- Second generation Optimized Aperture Waveguide

3731 & 3731T

15" THREE-WAY CINEMA SPEAKER SYSTEM
The 3731 and 3731-T feature true three-way system design enhanced for critical film sound reproduction in small to medium cinema environments. The system comes as a bi-amplified (3731) or tri-amplified (3731-T) solution.

- Peak SPL of 125dB
- Second generation Optimized Aperture Waveguide

3730

15" THREE-WAY CINEMA SPEAKER SYSTEM
The 3730 provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system.

- Bi-amplified or fully passive switchable operation
- Shallow profile
- Second generation Optimized Aperture Waveguide



5674

JBL STANDARD CINEMA SYSTEMS

COMPACT AND COST EFFECTIVE CINEMA SOLUTIONS

In order to meet the requirements for JBL quality at lower prices, the 3000 and 5000 Series ScreenArray speaker systems were developed. The systems provide smooth and accurate reproduction of cinema soundtracks while being compact and very cost-effective.

The 5674 has earned THX® Approval and is the same system used in The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater and The Directors Guild Theater in Los Angeles. The JBL 5674, truly the world's finest three-way loudspeaker.



3252N



3677



3678



Academy of Motion Picture Arts and Sciences, Samuel Goldwyn Theater, Hollywood, California

"Academy Award" and "Oscar" image © AMPAS®. THX® Lucasfilm, LTD.

5674

QUAD 15" THREE-WAY CINEMA LOUDSPEAKER SYSTEM

The 5674 features four JBL 15" low-frequency transducers in a unique DiamondQuad array. This array orientation allows the four drivers to create maximum output, while minimizing destructive interference caused by multiple drivers operating in the same band-pass region.

3252N

DUAL 15" TWO-WAY CINEMA LOUDSPEAKER SYSTEM

The JBL 3252N Screen Channel system provides smooth and accurate reproduction of cinema soundtracks in a compact and cost effective 400 watt system. The convenient single enclosure, featuring dual 15" low frequency drivers and a Teonex diaphragm high frequency driver, requires no field assembly.

3677

15" TWO-WAY CINEMA LOUDSPEAKER SYSTEM

The 3677 combines classic JBL performance with a natural sound quality for both music and dialog. The ideal small system when minimum depth behind the screen is required. For extraordinary convenience, the all-in-one enclosure requires no field assembly.

3678

15" TWO-WAY CINEMA LOUDSPEAKER SYSTEM

The 3678 is a THX® approved design in the bi-amplified mode. JBL's patented Vented Gap Cooling™ keeps the 2226H low Frequency working optimally while the JBL 2342 Bi-Radial® horn and 2426 pure titanium compression driver ensures a smooth even coverage with natural sound and unsurpassed reliability.

- Peak SPL of 117dB
- Flat-front design for easy baffle wall installation
- Fully adjustable horn bracket for precise directional control

- Peak SPL of 124dB
- Fully passive operation
- All in one enclosure for simple installation

- 90° x 40° Flat Front Bi-Radial horn
- Shallow cabinet profile minimizes behind screen space requirements
- All in one enclosure for simple installation

- Flat power response 100° x 100° Bi-Radial® horn
- Operable bi-amp or passive mode.
- Includes adjustable bracket for horn aiming.

CINEMA SURROUND SYSTEMS

SURROUND SOLUTIONS FOR THE MODERN CINEMA

No other manufacturer provides a wider, more cost effective range of surround speaker solutions to meet the demands of modern cinema sound reproduction than JBL Professional.



9320



SCS 12



SCS 8

9320

12" HIGH POWER CINEMA SURROUND

The 9320 Cinema Surround speaker offers high power handling with extended bass response for extended dynamic range required for large format cinemas and multi-channel surround formats. The 9320 is a powerful, two-way full range surround comprised of an M12-8 300mm (12") low frequency driver and a 2408H-1 380mm (1.5") voice coil compression driver. The large format Progressive Transition waveguide provides exceptional 120° x 60° coverage and is rotatable for speaker use in a vertical or horizontal position.

- High power 400 watt, 12" large format cinema surround
- Large PT™ Progressive Transition Waveguide
- 120° x 60° coverage
- Multiple M10 threaded mounting points on top, bottom and sides

SCS 8

8" SPATIALLY CUED CINEMA SURROUND

The SCS 8 is a two-way, full range cinema surround loudspeaker ideal for multi channel surround formats for medium sized auditoriums. The SCS 8 is comprised of a high-power coaxial 203 mm (8 in) low frequency driver and a 25 mm (1 in) high frequency compression driver.

- 250 watt power handling
- 120° x 120° consistent broadband pattern control
- Overload protection

SCS 12

12" SPATIALLY CUED CINEMA SURROUND

The SCS 12 is a two-way, full range, high power cinema surround loudspeaker ideal for multi channel surround formats and is designed for overhead installation as well as for the standard on-wall installations. The SCS 12 is comprised of a high power coaxial 305 mm (12 in) low frequency driver and a 25 mm (1 in) high frequency compression driver.

- 400 watt power handling
- Extraordinary clarity surround with extended frequency response
- High power passive crossover network


8320

CINEMA SURROUND SYSTEMS

SURROUND SOLUTIONS FOR THE MODERN CINEMA

No other manufacturer provides a wider, more cost effective range of surround speaker solutions to meet the demands of modern cinema sound reproduction than JBL Professional.


8340A

8350

8320

COMPACT 8" CINEMA SURROUND

Features a 8" low frequency driver and a 1" soft dome driver combined with Internal Thermomaster technology allowing for 150 watts of power.

- Peak SPL of 122dB
- 100° x 90° coverage
- Special cabinet shape incorporates 20° angled front baffle

8340A

10" HIGH POWER CINEMA SURROUND

An unbeatable choice when very high power handling, high sensitivity, extended bass response and a remarkably compact cabinet are the requirements.

- Peak SPL of 126dB
- 100° x 80° coverage
- Special cabinet shape incorporates 20° angled front baffle



8350

10" VERY HIGH POWER CINEMA SURROUND

Offers very high power handling, high sensitivity, and extended bass response required for the extended dynamic range required by today's digital cinemas.

- Peak SPL of 130dB
- 100° x 80° coverage
- Special cabinet shape incorporates 20° angled front baffle



**Mann Grauman's
Chinese Theatre;
Hollywood,
California**

SUBWOOFERS

HIGH PERFORMANCE 18" SUBWOOFERS FOR CINEMA



3635

The perfect choice for small cinemas with small budgets. Features one 18" transducer, an unobtrusive shallow enclosure, true JBL performance and a surprising price.

- 300 watt continuous power rating
- Single 2042H LF driver
- Shallow cabinet profile

4181

Cost effective 500 watt subwoofer system featuring an advanced technology 18" transducer mounted in a direct radiator, bass-reflex enclosure. It's ideal for use with digital soundtracks.

- 500 watt continuous power rating
- Usable response to 28 Hz
- Low power compression

4641

When a 600 watt cinema subwoofer is what you need, the 4641 is the perfect cost effective choice. The 4641 features one 18" JBL 2241 low frequency transducer.

- 600 watt continuous power rating
- Usable response to 25 Hz
- Approved by Lucasfilm, Ltd. for THX® installations

4642A

Dual 18" subwoofer system featuring two JBL 2241H low frequency transducers. This high-performance, cost effective system is ideal when smooth response at the lowest audible frequencies is required.

- 1200 watt continuous power rating
- Usable response to 22 Hz
- Approved by Lucasfilm, Ltd. for THX® installations

4645C

The industry standard and features a single JBL 2242 SVG low frequency transducer for the highest output with lowest distortion.

- 800 watt continuous power rating
- Usable response to 22 Hz
- Approved by Lucasfilm, Ltd. for THX® installations

5628

5628 Dual 18" ultra high power, lightweight, subwoofer featuring two JBL 2269H Ultra Long Excursion 18" Differential Drive® woofers.

- 4000 Watts Continuous power rating
- Usable response to 18Hz
- 16,000 W peak power handling



CONE TRANSDUCERS & COMPRESSION DRIVERS

HIGH QUALITY COMPONENTS FROM JBL

Manufacturing our own component transducers has historically set JBL apart from most other loudspeaker system manufacturers, and some of our numerous component transducers are available as sales models. All low-frequency units and compression drivers have been pre-qualified during the design phase with JBL's rigorous 100-hour 'torture test'. Units shown are legendary workhorses, often purchased in quantity for use in custom system designs.

2206H, 2226H/J, 2241H

VGC™ SERIES CONE TRANSDUCERS

Incorporate JBL's patented Vented Gap Cooling technology in an improved Symmetrical Field Geometry (SFG) magnet structure. JBL engineers optimized both magnet weight, flux density and field saturation resulting in reduction of overall driver weight and a significant reduction in harmonic distortion.

2242H

SVG™ SERIES CONE TRANSDUCERS

Incorporates JBL's patented Super Vented Gap™ technology for improvement in power handling capability while minimizing power compression.

2426H/J

25MM 1" EXIT COMPRESSION DRIVER

Incorporates JBL's titanium diamond diaphragm for ruggedness and outstanding frequency response.

2451H/J

38MM 1.5" EXIT COMPRESSION DRIVER

The 38 mm exit on the 2451H/J compression driver allows the Coherent Wave™ phasing plug to directly couple with Optimized Aperture™ Bi-Radial® horns for lower distortion and better coverage control. The large format 100 mm (4 in) diaphragm design includes JBL's exclusive three dimensional diamond pattern which increases the driver's output in the 5 kHz to 20 kHz range when combined with the Coherent Wave phasing plug.

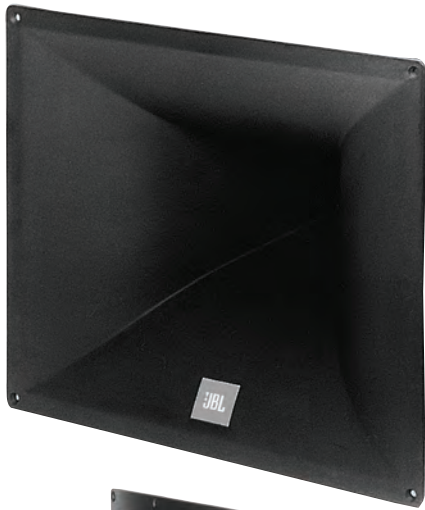
2450H/J

49MM 2" EXIT COMPRESSION DRIVER

The 2450H/J uses the optimized configuration of the Coherent Wave phasing plug design, offering coherent summation of acoustical power up to much higher frequencies than previous designs. It also incorporates a neodymium rare-earth magnet assembly that provides the equivalent electromechanical conversion efficiency at two-thirds the size and one-third the weight required by previous large format compression driver designs.

HORNS & ACCESSORIES

HIGH QUALITY COMPONENTS FROM JBL



OPTIMIZED APERTURE™
MID-SIZE BI-RADIAL® HORN
MODEL 2352



2370A



2382A



2509A

2352

OPTIMIZED APERTURE™ MID-SIZE BI-RADIAL® HORN

The Optimized Aperture Mid-Size Bi-Radial Horns are designed to provide high sound pressure level at low distortion over the bandwidth of 630 Hz to beyond 18 kHz with very uniform horizontal and vertical coverage from an optimum size horn. Extensive modeling was used to optimize the coverage pattern, reducing both distortion and size.

2370A, 2380A, 2382A, 2385A

FLAT-FRONT BI-RADIAL® HORNS

The Flat-Front Bi-Radial Horns are designed for flush cabinet mounting or compact cluster applications. The horns provide uniform on and off axis frequency response at the rated frequencies.

The horn's small vertical mouth dimension (just slightly larger than the compression driver used to drive the horn) allows very compact single and multiple horn/driver systems to be put together. Should vertical pattern control be required below 2 kHz, two or more horns may be stacked vertically to restore full Bi-Radial™ performance.

2509A

HORN/DRIVER MOUNTING SYSTEM

The 2509 Professional Mounting Bracket is designed to facilitate easy installations and quick adjustability in a variety of applications. It is manufactured of rugged 1/8" steel and finished in black matte. The 2509 Professional Mounting Bracket is not intended for suspension applications.

The 2509A is a two piece system that allows aiming and rotation in three planes—vertical, horizontal and rotation around axis. The width of the mounting slots and an included adaptor gasket allow use with the 2350 Series and the 2380 Series.

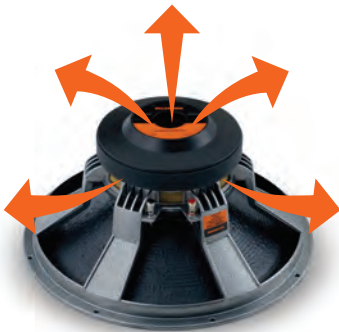


18SWS1000

SURROUND
DETAILS



COOLING SYSTEM
DETAIL



SUBWOOFER LINE

HIGH POWER SUBWOOFER

for professional use.

- Recommended for use as a subwoofer in a bass reflex or horn loaded cabinets.
- Capabilities: High power handling, Large linear excursion.
- Bandpass extension into the very low frequency zone.
- High power output with low distortion.
- Magnetic assembly was designed with Finite Element Analysis (FEA) for precise utilization and distribution of the magnetic field.
- Double poly-cotton spider for precise centering and increased linear displacement of the cone & coil.

COMPONENTS LINE

- 4" diameter spun laced fiberglass former withstands high temperatures and is mechanically strong.
- Cone is reinforced with non pressed synthetic fibers that greatly improve mechanical stability during large excursions.
- Fabric surround treated with rubberized materials for greater durability, better damping, and reduced standing waves.
- Exclusive MCS™ - Multi Cooling System for high SPL with less power compression.
- Die-cast Aluminum frame is durable and made to perform.
- High strength structural adhesives combined with materials that have good thermal resistance increase durability and reliability.

| MODEL | SPECIFICATIONS | | | | | | | |
|------------------------------|-------------------------------------|-------------|---------------|----------------|-------------|-------------|---------------|----------------|
| | 15SWS800 | 15SWS1000 | 15SWS1100 | 15SWS1200 | 18SWS800 | 18SWS1000 | 18SWS1100 | 18SWS1200 |
| Diameter | 15" | 15" | 15" | 15" | 18" | 18" | 18" | 18" |
| Impedance (Ω) | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| RMS (W) | 800 | 1,000 | 1,100 | 1,200 | 800 | 1,000 | 1,100 | 1,200 |
| Musical Program (W) | 1,600 | 2,000 | 2,200 | 2,400 | 1,600 | 2,000 | 2,200 | 2,400 |
| SPL 1W @ 1m (dB) | 93 | 95 | 95 | 95 | 95 | 96 | 97 | 96 |
| Frequency Resp. @ -10dB (Hz) | 35 to 1,500 | 38 to 2,000 | 35 to 3,500 | 40 to 20,000 | 30 to 1,500 | 37 to 2,000 | 30 to 3,000 | 37 to 20,000 |
| Resonance (Hz) | 37 | 36 | 37 | 41 | 32 | 37 | 34 | 35 |
| Voice Coil diameter in. (mm) | 4 (100) | | | | | | | |
| Voice Coil | 4 Layer Cu | 4 Layer Al | Edge wound Al | 4 Layer Al | 4 Layer Cu | 4 Layer Al | Edge wound Al | 4 Layer Al |
| Magnet Weight oz. (g) | 120 (3,400) | | | 121.34 (3,400) | 120 (3,400) | 120 (3,400) | 120 (3,400) | 121.34 (3,440) |
| Basket | Die cast aluminum with epoxy finish | | | | | | | |



12MB3P



10MB3P

MIDBASS LINE

MIDBASS EFFICIENT

- For midbass cabinets that require high power handling, efficiency, high fidelity, and low distortion.
- Extremely versatile these speakers can be used in two-way, three-way and line array systems.
- Magnet structure was designed with Finite Element Software (FEA) so that the magnetic field was optimized and evenly distributed. The 12" model has a copper shorted turn on the pole piece to lower distortion and extended the upper frequency response.
- Specially treated paper cone is reinforced with special fibers making it lighter, stronger and better sounding in the midbass.

COMPONENTS LINE

- Edge treated surrounds are either accordion or m-roll style to increase linearity during large excursions. Added advantages include the reduction of standing waves and improved acoustic coupling.
- Efficient venting cools the voice coil which reduces power compression, increases reliability and raises maximum SPL.
- Low profile die cast aluminum frame is easier to install in smaller, shallower and horn loaded enclosures.
- High temperature structural adhesives form a material bond with high sheer strength greatly improving the durability and reliability of the product.

MIDBASS LINE



| MODEL | SPECIFICATIONS | | |
|------------------------------|-------------------------------------|---------------|-------------|
| | 8MB4P | 10MB3P | 12MB3P |
| Diameter | 8" | 10" | 12" |
| Impedance (Ω) | 8 | 8 | 8 |
| RMS (W) | 250 | 300 | 500 |
| Musical Program (W) | 500 | 600 | 1,000 |
| SPL 1W @ 1m (dB) | 97 | 100 | 101 |
| Frequency Resp. @ -10dB (Hz) | 80 to 5,000 | 150 to 12,000 | 90 to 4,000 |
| Resonance (Hz) | 105 | 80 | 61 |
| Voice Coil Diameter in.(mm) | 1.8 (47) | 3 (75) | 2.4 (61) |
| Voice Coil | Kapton®/Aluminum | | |
| Magnet weight oz.(g) | 45 (1,280) | 91 (2,570) | 93 (2,640) |
| Frame Material | Die cast aluminum with epoxy finish | | |

Kapton® - Trademark Du Pont



6W4P



8W4P

MIDBASS LINE

W4P

- Recommended for use in systems that require flat frequency response with extended range from the midbass to the upper midrange.
- An excellent choice when small unobtrusive speakers are called for in houses of worship, hotels, schools, clubs, restaurants and retail localizations.
- Durable copper voice coil on Kapton® is large enough to handle a lot of power but light enough for extended frequency response.
- Special resins are used to treat the long fiber paper cone increasing strength and improving sound quality.
- Cloth (8") and foam (6") half roll surrounds are treated to improve stability during high excursions, increase acoustic coupling and help dampen standing

COMPONENTS LINE

- waves.
- Stamped steel epoxy coated frame is resistant to oxidation and won't bend even under harsh conditions.

| MODEL | SPECIFICATIONS | |
|------------------------------|----------------------------|--------------|
| | 6W4P | 8W4P |
| Diameter | 6" | 8" |
| Impedance (Ω) | 8 | 8 |
| RMS (W) | 100 | 150 |
| Musical Program (W) | 200 | 300 |
| SPL 1W @ 1m (dB) | 91 | 96 |
| Frequency Resp. @ -10dB (Hz) | 80 to 9,000 | 100 to 6,500 |
| Resonance (Hz) | 76 | 107 |
| Voice Coil Diameter in.(mm) | 1.3 (32) | 1.8 (47) |
| Voice Coil | Kapton®/Copper | |
| Magnet weight oz.(g) | 20 (560) | 44 (1,240) |
| Frame Material | Stamped steel epoxy finish | |

Kapton® - Trademark Du Pont



12WS600



15WS600



18WS600

WOOFER LINE

WS

- Recommended for smaller low frequency cabinets where high power handling, seamless linearity and low distortion sound is required.
- Ideal for touring and fixed installations. Recommended for use in sidefill and stage monitor speakers.
- Magnet assembly design optimized by finite element software (FEA) to improve the control of the flux in the gap.
- Double spiders control the alignment of the cone during high excursions.
- 4" diameter Copper voice coil on a high temperature Kapton® former for increased power handling and structural durability.

COMPONENTS LINE

- Composite cellulose cone that is reinforced with long synthetic fibers improves mechanical stiffness, damping, and reduces standing waves.
- Efficient vented cooling system reduces power compression and improves efficiency.
- High temperature structural adhesives permanently bonds components increasing durability and reliability.

MIDBASS LINE



| MODEL | SPECIFICATIONS | | | |
|------------------------------|-------------------------------------|-------------|-------------|---------------|
| | 12WS600 | 15WS600 | 18WS600 | 15WS700 |
| Diameter | 12" | 15" | 18" | 15" |
| Impedance (Ω) | 8 | 8 | 8 | 8 |
| RMS (W) | 600 | 600 | 600 | 700 |
| Musical Program (W) | 1,200 | 1,200 | 1,200 | 1,400 |
| SPL 1W @ 1m (dB) | 95 | 97 | 98 | 98 |
| Frequency Resp. @ -10dB (Hz) | 45 to 3,000 | 40 to 3,500 | 35 to 3,000 | 50 to 4,5000 |
| Resonance (Hz) | 46 | 35 | 33 | 37 |
| Voice Coil Diameter in. (mm) | 4 (100) | | | |
| Magnet Weight oz.(g) | 94 (2,700) | 94 (2,700) | 94 (2,700) | 121.34 (3440) |
| Frame Material | Die cast aluminum with epoxy finish | | | |

Kapton® - Trademark Du Pont



10CV5



12CV5



15CV5

WOOFER LINE

CV5

- Professional woofer, recommended for mid and low frequencies reinforcement and designed to meet the most diverse needs, ideal for mobile units or in environments such as auditoriums, ballrooms and nightclubs.
- The high efficiency in sound reproduction is due to the excellent combination of its components.
- The paper cone reinforced with long fibers, provides the array great stability, high yield and low distortion.
- The voice coil is made of a very resistant to high Temperatures wire and winding in Kapton former[®].

COMPONENTS LINE

- Frame in reinforced steel and epoxy paint gives the set high strength and mechanical structure.
- The aluminum cap ensures a perfect heat dissipation that comes from the voice coil.
- The use of high strong adhesive guarantees an optimal cohesion and durability to the components.

| MODEL | SPECIFICATIONS | | |
|---------------------|----------------------------|--------------------|--------------------|
| | 10CV5 | 12CV5 | 15CV5 |
| Diameter | 10" | 12" | 15" |
| Power (W) | 100 W | 150 W | 150 W |
| Musical Program (W) | 250 W | 350 W | 400 W |
| SPL (dB) | 91 dB 1W @ 1m (dB) | 97 dB 1W @ 1m (dB) | 99 dB 1W @ 1m (dB) |
| Frequency Resp | 65Hz ~ 5500 KHz | 70Hz ~ 5000 KHz | 70Hz ~ 4000 KHz |
| Resonance (Hz) | 80 Hz | 70 Hz | 70 Hz |
| Voice Coil diameter | 32 mm | 46 mm | 46 mm |
| Magnet Weight (g) | 440 g | 560 g | 920 g |
| Impedance | 8 Ω | | |
| Die cast | Aluminum with epoxy finish | | |



8PW7



15PW6



15PW7

WOOFER LINE

PW

- Recommended for use in small and medium-size venues where high performance reproduction of the critical midrange frequencies and low frequencies are desired.
- The right choice for two way loudspeakers that are used for sound reinforcement in auditoriums, ballrooms, nightclubs, and live music stages.
- Precision wound copper voice coil is bonded to a Kapton® former and coated so that it holds it's structural shape under high power conditions.
- Paper cone reinforced with long fibers is specially treated to ensure faithful reproduction and tone in the voice band.
- Accordion edge fabric surround is specially treated to reduce fatigue and lower

COMPONENTS LINE

distortion.

- Aluminum dust cap dissipates heat from the voice coil improving power handling and reducing power compression. No aluminum dust cap on (8PW7, 10PW7, 12PW7, and 15PW7).
- Mechanically strong and weather resistant epoxy coated stamped steel frame.

WOOFER LINE

| MODEL | SPECIFICATIONS | | | | |
|------------------------------|---------------------------------|-------------|-------------|-------------|-------------|
| | 8PW7 | 10PW7 | 12PW7 | 15PW7 | 15PW6 |
| Diameter | 8" | 10" | 12" | 15" | 15" |
| Impedance (Ω) | 8 | 8 | 8 | 8 | 8 |
| RMS (W) | 140 | 150 | 250 | 300 | 400 |
| Musical Program (W) | 300 | 300 | 500 | 600 | 800 |
| SPL 1W @ 1m (dB) | 93 | 95 | 95 | 97 | 97 |
| Frequency Resp. @ -10dB (Hz) | 70 to 8,000 | 60 to 4,000 | 40 to 4,500 | 40 to 4,500 | 60 to 4,000 |
| Resonance (Hz) | 79 | 67 | 42 | 43 | 37 |
| Voice coil Diameter in.(mm) | 1.3 (32) | 1.8 (46) | 2.4 (60) | 2.4 (60) | 3 (75) |
| Magnet Weight oz. (g) | 20 (560) | 32 (920) | 46 (1300) | 46 (1300) | 86 (2440) |
| Frame Material | Stamped steel with epoxy finish | | | | |





D200



D250-X



D305



D405

COMPRESSION DRIVER

PHENOLIC

- Recommended for midrange applications in multi-way PA's, stage monitors, side fills and high SPL car audio systems.
- High sensitivity, low distortion and smooth response.
- Precisely formed phenolic diaphragm produces high fidelity sound through out the midrange.
- Diaphragm voice coil is bonded to Kapton™ with high temperature adhesives to increase durability and raise power handling.
- "Phase Plug" is an acoustic transformer with optimized geometry to reduce phase cancellations.

COMPONENTS LINE

- Magnetic Fluid in the gap (models D305 and D405) helps center the coil, improves heat dissipation, and reduces distortion.
- Quick change drop in diaphragm for easy repair.

| | SPECIFICATIONS | | | |
|------------------------------|-------------------|--------------------|-------------------|--------------------|
| MODEL | D200 | D250-X | D305 | D405 |
| Throat diameter | 1" | | 2" | |
| impedance (Ω) | | | 8 | |
| RMS (W) | 50 ⁽¹⁾ | 100 ⁽²⁾ | 75 ⁽²⁾ | 100 ⁽²⁾ |
| Musical Program (W) | 100 | 200 | 150 | 200 |
| SPL 1W @ 1m (dB) | 107 | 107 | 110 | 110 |
| Frequency Resp. @ -10dB (Hz) | 500 to 7,000 | 400 to 9,000 | 400 to 9,000 | 300 to 7,000 |
| Rec. a 12 dB/8° (Hz) | 500 | 500 | 500 | |
| Voice coil diameter in(mm) | 51 | 51 | 75 | 100 |
| Magnet weight oz.(g) | 290 | 332 | 1,600 | 2,640 |
| Housing material | Plastic Aluminum | | Plastic | |
| Horn connection | Screw on | | Bolt on | |

(1) Xover 1,200Hz 12dB/oct (2) Xover 2,000Hz 12dB/oct



D202Ti



D220Ti



D3305Ti



D4400Ti

COMPRESSION DRIVER

TITANIUM

- Recommended for use in high performance compact, two-way, multi-way and line array systems.
- For use in sound reinforcement, side fill and stage monitor loudspeakers.
- World class drivers with excellent performance.
- High sensitivity and linear frequency response.
- Pure TITANIUM Diaphragm is accurately shaped to produce high frequencies with clarity.
- Innovative IPF® - Impregnated Polymer Fiber (model D3305Ti) diaphragm surround reduces ringing and makes the high frequencies more linear.

COMPONENTS LINE

- DPD® - Driver Protection Device protection circuit (model D3305Ti), protects the compression driver by reducing the input power during clipping and overload conditions.
- Precisely designed "Phase Plug" is an acoustic transformer that helps prevent phase cancellations.
- Copper shorting ring on the pole piece reduces the modulation of the magnetic field, lowers distortion and increases high frequency output.
- Magnetic Fluid in the gap (model D3305Ti) lowers distortion, helps to center the voice coil and wicks away heat.
- Repair of the driver is easy because the quick change diaphragm indexes to center and has a unique gold-plated contact system (model D3305Ti).

| | SPECIFICATIONS | | | | | | |
|---------------------------------|-----------------|-----------------|------------|------------------------|---------------|------------------|------------------|
| MODEL | D202Ti | D220Ti | D220Ti OMF | D3305Ti DPD | D409Ti | D405Ti | D4400Ti |
| Throat diameter | 1" | | | 2" | | | |
| Impedance (Ω) | 8 | | | | | | |
| RMS (W) | 60 ¹ | 80 ¹ | | 75 ² | 150 | 125 ³ | 125 ³ |
| Musical Program (W) | 120 | 160 | | 150 | 300 | 250 ³ | 250 ³ |
| SPL 1W @ 1m (dB) | 106 | 109 | | 108 | 111 | 109 | 112 |
| Frequency Resp. @ -10dB (Hz) | 1,000 to 20,000 | 1,000 to 21,000 | | 500 to 20,000 | 400 to 20,000 | 400 to 18,000 | 400 to 20,000 |
| Rec. X-over, 12dB/oct min. (Hz) | 1,500 | | | 800 | | 800 | 800 |
| Voice coil diameter in (mm) | 1.7 (44) | | | 3(75) | 4 (100) | 4 (100) | 4 (100) |
| Voice coil | Kapton®/CCAW | | | Kapton®/CCAW edgewound | CCAW | Kapton®/CCAW | |
| Magnet Weight oz.(g) | 8 (210) | 24 (675) | | 57(1,600) | 93 (2,640) | 93 (2,640) | 121.34 (3,440) |
| Housing material | Plastic | | | Aluminum | Aluminum | Plastic | Aluminum |
| Horn connection | Screw on | | | Bolt on | | Screw on | |

(1) Xover 1.200Hz 12dB/oct (2) Xover 2.000Hz 12dB/oct



HORN LINE

LONG THROW

- Ideal for sound reproduction in small, medium and large-size environments.
- Several models available with different sound dispersion designed to fit almost any application.
- Optimized to increase directivity which raises max SPL, and to improve loading of the driver which magnifies efficiency.
- Designed to couple with Selenium drivers to produce high clarity sounds.



| MODEL | SPECIFICATIONS | | |
|---------------------------|----------------|-----------|-------------|
| | HL 14-25 | HL 14-50N | HL 4750-SLF |
| Throat | 1" | 2" | 2" |
| Material | Plastic | Aluminum | Fiberglass |
| Sound Dispersion HxV | 45° x 45° | 45° x 45° | 40° x 20° |
| Low Frequency Limit. (Hz) | 600 | 600 | 400 |
| Driver Connection | Screw on | Bolt on | Bolt on |
| Width in. (mm) | 6.1 (156) | 6.1 (176) | 17.5 (445) |
| Height in. (mm) | 6.1 (156) | 6.1 (165) | 11 (280) |
| Length in (mm) | 10.1 (258) | 5.1 (134) | 13.8 (352) |



HORN LINE

MEDIUM AND SHORT THROW

- Ideal for sound reproduction in small, medium and large-size environments.
- Several models available with different sound dispersion designed to fit almost any application.
- Optimized to increase directivity which raises max SPL, and to improve loading of the driver which magnifies efficiency.
- Designed to couple with Selenium drivers to produce high clarity sounds.

| | SPECIFICATIONS | | | | | |
|--------------------------|----------------|-----------|------------|------------|------------|------------|
| MODEL | HM11-25 | HM17-25 | HM25-25 | HM3950-SLF | HM4750-SLF | HC2325 |
| Throat | 1" | 1" | 1" | 2" | 2" | 1" |
| Material | Plastic | Plastic | Aluminum | Fiberglass | | Plastic |
| Sound Dispersion HxV | 60° x 60° | 60° x 40° | 90° x 60° | 60° x 30° | 90° x 40° | 100° x 40° |
| Low Frequency Limit (Hz) | 1,200 | 1,500 | 1,200 | 400 | 400 | 600 |
| Driver Connection | Screw on | Screw on | Screw on | Bolt on | Bolt on | Screw on |
| Width in (mm) | 4.5 (115) | 6.3 (160) | 10.8 (274) | 15.3 (390) | 17.5 (445) | 10 (254) |
| Height in (mm) | 4.5 (115) | 5.7 (145) | 6.5 (164) | 8.1 (206) | 11.4 (290) | 5 (128) |
| Length in (mm) | 3 (75) | 4.1 (103) | 5.9 (151) | 9.2 (234) | 8.3 (210) | 5.7 (145) |



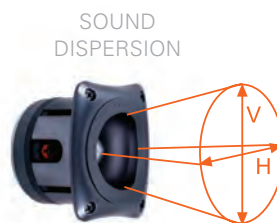
ST350



ST400BLK



ST304



SUPER TWEETER LINE

ST

- Ideal super tweeter when the reproduction of high frequencies must define the instruments.
- Recommended for PA systems, stage monitors and most sound reinforcement systems in general.
- Extremely high sensitivity and lower distortion.
- The geometry of the magnetic circuit was optimized with Finite Element Analysis (FEA) in order to efficiently utilize and distribute the magnetic field in the gap.

COMPONENTS LINE

- The Phenolic diaphragms ability to hold it's shape is key to the production of high fidelity, high frequency sound.
- Durability of the super tweeter is increased by using a high temperature voice coil that's bonded to a Kapton® former.
- Components are bonded with high temperature structural adhesives to increase durability and improve reliability.
- Easy diaphragm replacement for faster repairs.



| MODEL | SPECIFICATIONS | | | | |
|------------------------------|-------------------|-------------------|--------------------|--------------------|--------------------|
| | ST200 | ST304 | ST350 | ST400 BLK | ST302-X |
| Impedance (Ω) | 8 | 8 | 8 | 8 | 8 |
| RMS (W) | 70 ⁽¹⁾ | 40 ⁽²⁾ | 100 ⁽²⁾ | 150 ⁽²⁾ | 125 ⁽²⁾ |
| Musical Program (W) | 140 | 80 | 100 ⁽²⁾ | 150 ⁽²⁾ | 250 |
| SPL 1W @ 1m (dB) | 105 | 106 | 111 | 111 | 106 |
| Frequency Resp. @ -10dB (Hz) | 2,000 to 20,000 | 3,500 to 18,000 | 2,500 to 20,000 | 3,000 to 20,000 | 3,500 to 20,000 |
| Voice Coil Diameter | 1.8 (46) | | 1.7 (42) | | 1.8 (46) |
| Sound Dispersion HxV | 40° x 40° | | 120° x 40° | 40° x 40° | |
| Magnet weight | 8 (220) | 11 (320) | 17 (470) | 15 (430) | 440 |
| Diaphragm | Phenolic | | | | |
| Housing material | Plastic | | | | |

Product Index

| PRODUCT | PAGE | PRODUCT | PAGE | PRODUCT | PAGE |
|---------------------------------|------|---------------------------------------|------|--------------------------------|------|
| 2206H | 296 | AM7315/95 & /64 | 257 | CONTROL 28 & 28T-60 | 270 |
| 2226H/J | 296 | ASB4128 | 259 | CONTROL 29AV-1 | 271 |
| 2241H | 296 | ASB6112 | 260 | CONTROL 2P | 288 |
| 2242H | 296 | ASB6115 | 260 | CONTROL 30 | 271 |
| 2352 | 297 | ASB6118 | 259 | CONTROL 312CS | 273 |
| 2370A | 297 | ASB6125 | 260 | CONTROL 321C & 321CT | 273 |
| 2380A | 297 | ASB6128 | 259 | CONTROL 322C & 322CT | 273 |
| 2382A | 297 | ASB6128V | 259 | CONTROL 328C & 328CT | 273 |
| 2385A | 297 | ASB7118 | 260 | CONTROL 40CS/T | 275 |
| 2426H/J | 296 | ASB7128 | 260 | CONTROL 42C | 275 |
| 2450H/J | 296 | ASH6118 | 259 | CONTROL 45C/T | 275 |
| 2451H/J | 296 | AW266 & AW266-LS | 264 | CONTROL 47C/T | 275 |
| 2509A | 297 | AW295 & AW295-LS | 264 | CONTROL 47HC | 275 |
| 3252N | 292 | AW526 & AW526-LS | 264 | CONTROL 47LP | 275 |
| 3635 | 295 | AW566 & AW566-LS | 264 | CONTROL 5 | 288 |
| 3677 | 292 | AW595 & AW595-LS | 264 | CONTROL 50PACK | 269 |
| 3678 | 292 | AWC129 | 265 | CONTROL 50S/T | 269 |
| 3722 & 3722N | 290 | AWC159 | 265 | CONTROL 52 | 269 |
| 3730 | 291 | AWC15LF | 265 | CONTROL 60PS/T | 268 |
| 3731 & 3731T | 291 | AWC82 | 265 | CONTROL 62P | 268 |
| 3732 & 3732T | 291 | CBT 100LA-1 | 266 | CONTROL 65P/T | 268 |
| 4181 | 295 | CBT 100LA-LS | 266 | CONTROL 67HC/T | 268 |
| 4641 | 295 | CBT 200LA-1 | 267 | CONTROL 67P/T | 268 |
| 4642A | 295 | CBT 50LA-1 | 266 | CONTROL CRV | 270 |
| 4645C | 295 | CBT 50LA-LS | 266 | CONTROL SB2 | 271 |
| 4722 & 4722N | 290 | CBT 70J-1 | 266 | CONTROL SB210 | 271 |
| 4732 & 4732T | 291 | CBT 70J-1 + CBT70JE-1 | 267 | CSS-1S/T | 279 |
| 5628 | 295 | CBT 70JE-1 | 266 | CSS-H15 | 279 |
| 5674 | 292 | CONTROL 1 PRO | 288 | CSS-H30 | 279 |
| 5732 | 289 | CONTROL 126W/WT | 272 | CSS8004 | 279 |
| 5742 | 289 | CONTROL 128W/WT | 272 | CSS8008 | 279 |
| 8124 | 278 | CONTROL 12C/T | 277 | CSS8018 | 279 |
| 8128 | 278 | CONTROL 14C/T | 277 | EON206P | 228 |
| 8138 | 278 | CONTROL 16C/T | 277 | EON610 | 227 |
| 8320 | 294 | CONTROL 19CS & 19CST | 276 | EON612 | 227 |
| 8340A | 294 | CONTROL 226C/T | 274 | EON615 | 227 |
| 8350 | 294 | CONTROL 227C & 227CT | 274 | INTELLIVOX DC & DS | 281 |
| 9320 | 293 | CONTROL 23 & 23T | 270 | INTELLIVOX DSX | 281 |
| AC2212/95, /64 & /00 | 258 | CONTROL 24C MICRO | 276 | JRX212 | 232 |
| AC2215/95, /64 & /00 | 258 | 24CT MICRO | 276 | JRX215 | 232 |
| AL7115 | 258 | 24CT MICROPLUS | 276 | JRX218S | 232 |
| AM5212/64-66-95-00-26 | 258 | CONTROL 24C, 24CT & 24CT-BK | 276 | JRX225 | 232 |
| AM5215/64-66-95-26 | 258 | CONTROL 25 & 25T | 270 | LSR305 | 287 |
| AM7200/95 & /64 | 257 | CONTROL 25AV & 25AV-LS | 270 | LSR308 | 287 |
| AM7212/64-66-95-00-26 | 257 | CONTROL 26-DT | 276 | LSR310S | 287 |
| AM7215/64-66-95-26 | 257 | CONTROL 26C, 26CT & 26CT-LS | 276 | LSR4328P | 286 |

Product Index

| PRODUCT | PAGE | PRODUCT | PAGE | PRODUCT | PAGE |
|----------------------|------|-----------------------------------|------|------------------------|------|
| LSR6312SP | 285 | PRX718XLF | 231 | VRX918S. | 237 |
| LSR6325P-1 | 285 | PRX725 | 230 | VRX918SP. | 237 |
| LSR6328P | 285 | PRX735 | 231 | VRX928LA | 237 |
| LSR6332. | 285 | SCS 12. | 293 | VRX932LA-1 | 237 |
| LSR705I | 284 | SCS 8 | 293 | VRX932LAP | 237 |
| LSR708I | 284 | STX812M | 235 | VT4880 | 243 |
| MD1 | 251 | STX815M | 235 | VT4880A. | 243 |
| MD2 | 251 | STX818S. | 235 | VT4880ADP-DA | 247 |
| MD3 | 251 | STX825 | 235 | VT4881A. | 243 |
| MD46 | 252 | STX828S. | 235 | VT4881ADP-DA | 247 |
| MD49 | 252 | STX835 | 235 | VT4882 | 243 |
| MD52 | 252 | VLA301 | 253 | VT4882DP-DA | 247 |
| MD55 | 252 | VLA301H | 253 | VT4883 | 243 |
| MD7 | 251 | VLA601 | 253 | VT4886 | 242 |
| PD5122 | 255 | VLA601H | 253 | VT4887A. | 242 |
| PD5125 | 255 | VLA901 | 253 | VT4887ADP-DA | 247 |
| PD6200 | 255 | VLA901H | 253 | VT4888 | 242 |
| PD6212 | 255 | VP7210/95DP | 249 | VT4888DP-DA | 247 |
| PD6322 | 255 | VP7212/64DP (60° X 40°) | 249 | VT4889-1 | 242 |
| PD743 | 254 | VP7212/95DP (90° X 50°) | 249 | VT4889ADP-DA | 247 |
| PD764 | 254 | VP7212/95DPC | 249 | VTX F12 | 240 |
| PRX412M | 233 | VP7212MDP. | 249 | VTX F15 | 240 |
| PRX415M | 233 | VP7215/64DP (60° X 40°) | 249 | VTX F18S | 240 |
| PRX418S. | 233 | VP7215/95DP (90° X 50°) | 249 | VTX G28 | 239 |
| PRX425 | 233 | VP7215/95DPC | 249 | VTX S25 | 239 |
| PRX710 | 230 | VP7315/64DP | 249 | VTX S28 | 239 |
| PRX712 | 230 | VPSB7118DP | 249 | VTX V20 | 239 |
| PRX715 | 230 | VRX915M | 237 | VTX V25 | 239 |
| PRX715XLF | 231 | VRX915S. | 237 | | |

JBL AUDIO ENGINEERING FOR SOUND REINFORCEMENT

by John Eargle and Chris Foreman



This book comprehensively covers all aspects of speech and music sound reinforcement. It is divided into four sections: Section 1 provides the tutorial fundamentals that all audio engineers will need, discussing subjects such as fundamentals of acoustics, psychoacoustics, basic electrical theory and digital processing. Section 2 deals with the fundamental classes of hardware that the modern engineer will use, such as loudspeaker systems and components, microphones, mixers, amplifiers and signal processors. Special attention is given to digital techniques for system control and to audio signal analysis. Section 3 deals with the basics of system design, from concept to final realization. It covers topics such as basic system type and speech intelligibility, site survey, user needs analysis and project management. Section 4 discusses individual design areas, such as sports facilities, large-scale tour sound systems, high-level music playback, systems for the theater, religious facilities, and other meeting spaces. The book is written in an accessible style, but does not lack for ample amounts of technical information. JBL and HPro brand products are prominently featured as examples to illustrate the principles and applications. Available at bookstores and on line.

Notes

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



Celebrating sixty years of success in the speaker industry, this book offers details on the people and products that have made JBL famous. It features full-color photos, historical advertisements, and hundreds of diagrams and images, many taken right from JBL's archives. Topics include stories behind the development of innovative applications for consumer products, as well as systems installations for stadiums, tour sound, movie theaters, recording studios, and places of worship. In addition to the technical info that explains the innovation, this book covers the brilliant engineers, and colorful record producers, musicians and technicians who had the vision to pursue a "better way." Available at bookstores and on line.

JBL LIMITED WARRANTY

The JBL Warranty on professional loudspeaker products (except for enclosures) remains in effect for five years from the date of the first consumer purchase. JBL amplifiers are warranted for three years from the date of the original purchase. Enclosures and all other JBL products are warranted for two years from the date of the original purchase.

Your JBL Warranty protects the original owner and all subsequent owners as long as: A.) Your JBL product has been purchased in the Continental United States, Hawaii or Alaska. (This Warranty does not apply to JBL products purchased elsewhere except for purchases by military outlets. Other purchasers should contact the local JBL distributor for warranty information.) and B.) The original dated bill of sale is presented whenever warranty service is required.

Except as specified below, your JBL Warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage resulting from failure to follow instructions contained in your Instruction Manual; damage resulting from the performance of repairs by someone not authorized by JBL; claims based upon any misrepresentations by the seller; any JBL product on which the serial number has been defaced, modified or removed. JBL will pay all labor and material expenses for all repairs covered by this warranty.

JBL continually engages in research related to product improvement. New materials, production methods and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description but will always equal or exceed the original design specifications unless otherwise stated.

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International Sales Fax (818) 830-7802
Customer Service Fax (818) 830-7881



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The background of the cover features a central image of audio equipment, including two large green-lit knobs and a blue-lit knob on a dark surface. This central image is framed by two large, white, stylized sound wave patterns that curve upwards at the top and downwards at the bottom, separated by orange lines.

JBL COMMERCIAL SERIES

High-Performance. Comprehensive. Versatile Audio.

2015 FULL LINE CATALOG



A DESIGNED SOLUTION

COMPREHENSIVE AND VERSATILE AUDIO

JBL® Commercial Series, a dynamic blend of the best HARMAN brands, knows for any business, the audio system is essential to keeping your customers informed and captivated.

Leveraging the expertise honed by years of precision sound reproduction and technical innovation by JBL and other HARMAN brands, JBL Commercial crafts top-quality components to offer you high-performance yet affordable sound systems.

By providing a premium listening experience for decades in everything from large arenas to private homes, JBL is one of the most recognized and respected brands in the audio industry. Capitalizing on JBL's legendary achievements in audio engineering and technology enables JBL Commercial to set new standards in sound.

That means you'll find that our integrated array of mixer-amplifiers, amps, mixers, speakers, microphones, and wall controllers delivers precise, reliable sound in any commercial application, from soothing spas to bustling bars.

As your single-brand source, JBL Commercial Series simplifies the search for high-performance, comprehensive and versatile audio solutions for your business.



CS MIXER-AMPLIFIERS

COMPACT, DRIVECORE™ BASED
MIXER-AMPLIFIERS

VERSATILITY MEETS PERFORMANCE

for commercial sound applications

JBL Commercial Series Mixer-Amplifiers (CSMA) offer unmatched ease of use, with a clean front panel featuring only volume controls for each channel, master volume adjustment, adjustable bass and treble controls, and a power switch. The CSMA units can drive 8Ω and 4Ω loads and can be used with 70V and 100V distributed audio systems without the need for a separate transformer. In addition to balanced mic/line inputs, unbalanced RCA inputs and speaker connections, all units include RJ45 connectors to use with JBL CSR-V in-wall volume controls.

All JBL CSMA units are manufactured under Harman's GreenEdge™ environmental initiative, conforming to lead-free RoHS standards. The highly efficient DriveCore design reduces power consumption and yields more efficient operation—up to 80 percent more efficient than previous designs.

- **Fanless, space-saving 1U design**
- **Illuminated rings**
make them easy to see and operate
- **Independent bass and treble controls for each output channel**
- **Euro-block type mic/line input and output connectors**
- **Supports 70V and 100V distributed audio systems**
without needing a separate transformer
- **Remote volume control capability using JBL CSR-V module and standard Ethernet cable**
- **Priority muting for all models**
- **Includes mounting hardware**



70V 100V DRIVECORE™

SPECIFICATIONS

| MODEL | Power Output | Inputs | Outputs | Size |
|----------|--------------|--------|---------|--------------|
| CSMA180 | 80W | 4 | 1 | 1U Half-Rack |
| CSMA1120 | 120W | 4 | 1 | 1U Half-Rack |
| CSMA240 | 40W | 8 | 2 | 1U Full-Rack |
| CSMA280 | 80W | 8 | 2 | 1U Full-Rack |
| CSMA2120 | 120W | 8 | 2 | 1U Full-Rack |



CS AMPLIFIERS

COMPACT, DRIVECORE™ BASED
AMPLIFIER SOLUTION

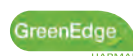
SMALL FOOTPRINT. BIG SOUND.

for commercial sound applications

The JBL Commercial Series Amplifiers (CSA) offer unmatched ease of use, with a clean, front panel featuring master volume adjustment, adjustable bass and treble controls, and a power switch. All units support 70V and 100V installations out of the box and include RJ45 connectors for use with JBL CSR-V in-wall volume controls. All models feature a universal power supply which enables the ability to accept AC voltages from 100 to 240 VAC, 50/60Hz.

JBL Commercial amplifiers are manufactured under HARMAN's GreenEdge™ environmental initiative, conforming to lead-free RoHS standards. Their highly efficient DriveCore design reduces power consumption and yields much more efficient operation – up to 80 percent more efficient than previous designs

- 1 or 2 output channels with 40W, 80W, 120W per channel
- Built-in 70V and 100V functionality
- Fanless, space-saving 1U design
- Energy efficient amplifier
- Sleek industrial look with illuminated rings making knobs easy to see and use
- Supports the JBL CSR-V wall controller via Ethernet cable
- Universal power supply
- Includes mounting hardware



DRIVECORE™

SPECIFICATIONS

| MODEL | Power Output (per channel) | Channels | Size |
|----------|----------------------------|----------|--------------|
| CSA140Z | 40W | 1 | 1U Half-rack |
| CSA180Z | 80W | 1 | 1U Half-rack |
| CSA1120Z | 120W | 1 | 1U Half-rack |
| CSA240Z | 40W | 2 | 1U Half-rack |
| CSA280Z | 80W | 2 | 1U Half-rack |
| CSA2120Z | 120W | 2 | 1U Half-rack |



CSA-2120 & CST-2120

EFFICIENT, LIGHT-WEIGHT
COMMERCIAL SERIES

COMPACT POWER

for commercial sound applications

The JBL CSA-2120 power amplifier is a professional-grade, two-channel model providing simple analog front-end processing with a switch-mode universal power supply. This light-weight amplifier provides 2 x 120W at 4 and 8Ω, is convection cooled, and has auto-standby mode to save energy.

The rack-mountable JBL CST-2120 transformer module provides two channels of impedance and voltage matching for the CSA-2120 amplifier to drive 70V and 100V distributed speaker systems.

- Auto-standby mode for energy savings
- Balanced (Euroblock) and unbalanced (RCA) mono-summing inputs
- 1U lightweight design
- Plenum rated
- Over-heat auto protection
- Switch-mode universal power supply



| | SPECIFICATIONS |
|---------------------------|----------------------------------|
| CSA Output Power | 120W per channel |
| CSA Channels | 2 |
| CSA Sensitivity (8Ω load) | 1.4 Vrms |
| CSA Signal to Noise Ratio | >100 dB |
| Weight & Size | 2.9 lbs (1.3 kg) ; 1U, Half-Rack |



CS MIXERS

COMPLETE COMMERCIAL MIXER SOLUTION

SIZE MEETS FUNCTION

for commercial sound applications

The JBL Commercial Series Mixers (CSM) offer unmatched ease of use, with a clean, front panel featuring only volume controls for each channel, master volume adjustment, adjustable bass and treble controls and a power switch. All of the front panel controls are surrounded by an illuminated ring, making them easy to see and operate in darkened environments. All units include RJ45 connectors for use with JBL CSR-V in-wall volume controls. All models feature a universal power supply which enables the ability to accept AC voltages from 100 to 240 VAC, 50/60Hz.

JBL Commercial mixers are manufactured under Harman’s GreenEdge™ environmental initiative, conforming to lead-free RoHS standards and utilizing recycled copper, aluminum and steel, an energy-saving powder coat finishing process and other environmentally-conscious manufacturing processes.

- 4 or 8 inputs with 1 or 2 channel outputs
- Fanless, space-saving 1U design
- Energy efficient
- Sleek industrial look with illuminated rings making them easy to see and use
- Configurable output routing (2-channel models only)
- Supports the JBL CSR-V wall controller via Ethernet cable
- Universal power supply
- Includes mounting hardware



| SPECIFICATIONS | | | |
|----------------|--------|---------|--------------|
| MODEL | Inputs | Outputs | Size |
| CSM14 | 4 | 1 | 1U Half-rack |
| CSM28 | 8 | 2 | 1U Full-rack |



CSM-21 PUBLIC ADDRESS MIXER

PERFECT CONTROL

for commercial sound applications

The CSM-21 features two stereo music inputs with gain control and clip LEDs, and one stereo output with an active crossover and a dedicated subwoofer output. Two additional inputs are provided for music override. First, a mic input with phantom power and gain control can be routed to the output zone, ducking the music by a user-configurable amount. Second, a line input allows high-priority ducking of all sources, which is ideal for alarms.

Dedicated controls for music EQ and dedicated controls for global mic EQ allow the frequency content of each input type to be customized independently. LevelGuard™ is provided to retain consistent volumes between the various inputs, and AutoWarmth™ is provided to ensure full fidelity at all zone volume levels.

- **2 stereo inputs, 1 mic input and 1 line input for priority audio**
- **1 stereo output with dedicated subwoofer output**
- **Quick and simple configuration**
via front/rear panel controls
- **Security plate**
for front panel lockout (included)



CSM-32 PUBLIC ADDRESS MIXER

SIMPLE PERFECTION

for commercial sound applications

The CSM-32 features three stereo music inputs with gain control and clip LEDs, and two stereo outputs with active crossovers and dedicated subwoofer outputs. Two additional inputs are provided for music override. First, a mic input with phantom power and gain control allows page steering to different zones, ducking the music by a user-configurable amount. Second, a line input allows high-priority routing to all zones, which is ideal for alarms.

An additional transformer-isolated mono output is provided for connection of a music-only mono output, which is ideal for music-on-hold systems.

- **3 stereo inputs, 1 mic input and 1 line input for priority audio**
- **2 stereo outputs with dedicated subwoofer output**
- **1 mono isolated output**
for music-on-hold system
- **Quick and simple configuration**
via front/rear panel controls
- **Security plate**
for front panel lockout (included)

JBL CEILING LOUDSPEAKERS

JBL's Commercial Series Ceiling Speakers provide excellent performance for paging and background music applications. High sensitivity across the product line provides maximum sound level, even at low tap settings.



CONTROL 12C/T

3" CEILING SPEAKER



CONTROL 14C/T

4" CEILING SPEAKER



CONTROL 16C/T

6 1/2" CEILING SPEAKER

- 20W at 8Ω nominal setting; 15W multi-tap at 70V/100V
- 68 Hz - 17 kHz bandwidth with wide 130 degree coverage
- Mounting hardware included, available in black or white

- 30W at 8Ω nominal setting; 25W multi-tap at 70V/100V
- 74 Hz - 20 kHz bandwidth with wide 120 degree coverage
- Mounting hardware included, available in black or white

- 50W at 8Ω nominal setting; 15W multi-tap at 70V/100V
- 62 Hz - 20 kHz bandwidth with wide 110 degree coverage
- Mounting hardware included, available in black or white



8124

4" CEILING SPEAKER



8128

8" CEILING SPEAKER



8138

8" CEILING SPEAKER

- 6W transformer for 70V and 100V distributed speaker lines
- High sensitivity (93 dB, 1W, 1m) for maximum power efficiency
- C-Ring (MTC-8124C) and tile rails (MTC-RAIL) optional

- 6W transformer for 70V and 100V distributed speaker lines
- High sensitivity (97 dB, 1W, 1m) for maximum power efficiency
- C-Ring (MTC-8128C) and tile rails (MTC-RAIL) optional

- 6W transformer for 70V and 100V distributed speaker lines
- High sensitivity of 97 dB for maximum sound levels using minimum amp power
- Requires (MTC-81BB8) backcan; (MTC-81TB8) tile rails optional



CSS8004

4" CEILING SPEAKER

- 5W multi-tap transformer for 100V, 70V, and 25V distributed speaker lines
- Very wide 75 degree coverage
- Requires CSS-BB4 pre-install backcan; tile rails optional



CSS8008

8" CEILING SPEAKER

- 5W multi-tap transformer for 100V, 70V, and 25V distributed speaker lines
- 120 degree conical coverage
- Requires CSS-BB8 pre-install backcan; tile rails optional



CSS8018

8" CEILING SPEAKER

- 10W multi-tap transformer for 100V, 70V, and 25V distributed speaker lines
- 110 degree coverage
- Requires CSS-BB8 pre-install backcan



CSS-1S/T

ON WALL LOUDSPEAKER

- 10W multi-tap transformer for 100V or 70V distributed speaker lines
- 8Ω direct setting
- 120 Hz – 16 kHz frequency response
- 60W power capacity
- Mounting hardware included



CSS-H15

15 WATT PAGING HORN

- Wide 70° horizontal by 90° vertical coverage for medium throw applications
- UL-registered 15-watt multi-tap transformer, with 8Ω direct bypass
- Built-in high-pass filter enhances reliability by protecting against low frequency damage



CSS-H30

30 WATT PAGING HORN

- Wide 50° horizontal by 70° vertical coverage for long throw applications
- UL-registered 30-watt multi-tap transformer, with 8Ω direct bypass
- Built-in high-pass filter enhances reliability by protecting against low frequency damage

JBL INDOOR/OUTDOOR LOUDSPEAKER



CONTROL 25T 5½" 2-WAY TRANSFORMER

The Control 25T is perhaps the most versatile of JBL Professional's Control Contractor Series indoor/outdoor loudspeakers. Its robust nature makes the Control 25T a perfect choice for restaurants, health clubs, outdoor theme and water parks or other applications where foreground/background music and paging are required. The Control 25T can be used in either 70.7V or 100V distributed line sound systems. Taps are provided at 30W, 15W and 7.5W.

- Isolation transformer for 70.7V/100V distributed line sound systems
- Weather resistant enclosure and transducers
- 80 Hz to 15 kHz

JBL PENDANT LOUDSPEAKER



C65P/T COMPACT FULL RANGE PENDANT SPEAKER

Excellent sound quality coupled with stylish design and easy installation makes the 5 ¼" (130mm) Control 65P/T ideal for a wide variety of applications including retail, restaurants, hotels, casinos, fitness centers, convention centers, exhibit spaces, conference rooms, atriums, museums, transit centers and other open-ceiling applications.

- 75W, 8Ω and 60W multi-tap transformer
- 102 degree conical coverage
- 55 Hz – 20 kHz frequency (-10dB)

LOUDSPEAKERS



JBL LOUDSPEAKER ACCESSORIES



CSS-BB4

4" BACKCAN
FOR CSS8004 SPEAKER

- Comes in packs of 6 pieces
- Zinc-plated, powder-coated steel
- Five conduit knockouts



CSS-BB8

8" BACKCAN FOR CSS8008
OR CSS8018 SPEAKER

- Comes in packs of 6 pieces
- Zinc-plated, powder-coated steel
- Five conduit knockouts

JBL LOUDSPEAKER ACCESSORIES



CSS-TR4/8

TILE RAILS FOR CSS-BB4
AND CSS-BB8 BACKCANS

- Comes in packs of 12 pieces for 6 backcans
- Punch formed steel, zinc-plated



MTC-8124C

C-RING FOR 8124

- 4 pieces per carton
- Integral clips for MTC-RAIL
- Spreads ceiling loading



MTC-8128C

C-RING FOR 8128

- 4 pieces per carton
- Integral clips for MTC-RAIL
- Spreads ceiling loading

LOUDSPEAKER ACCESSORIES



MTC-81BB8

DEEP BACK CAN FOR 8138

- 4 pieces per carton
- Fits 8138 speaker and MTC-81TB8 tile bridge
- Five conduit knockouts



MTC-81TB8

TILE BRIDGE FOR 8138 & 81BB8

- 4 pieces per carton
- Fits 8138 speaker and MTC-81BB8 backcan
- Rust-resistant 19-gauge (1mm thick) steel
- Load-bearing bridge eliminates ceiling tile sag



MTC-RAIL

TILE RAIL FOR 8124 & 8128

- Package of 4
- Fits 8124 and 8128 speakers

PAGING MICROPHONES



AKG CGN321 STS

STREAMLINE PROFESSIONAL TABLETOP MICROPHONE SET

Perfect for all kinds of meetings, the CGN321 STS is a heavy duty, professional tabletop microphone set with excellent shock absorbing properties. It features a CGN351 condenser gooseneck microphone with a cardioid polar pattern on a slim, 30 cm long gooseneck. This professional microphone is specially designed for inexperienced speakers who talk into the microphone from widely varying angles.

- **Programmable functions: push to talk, push to mute, push on/off, low cut on/off**
- **Frequency Range: 70 to 180 Hz**
- **LED status square displays status**
- **Ideal for use with CSMA & CSM models**



JBL CSPM-1

1-ZONE PAGING MIC

A single cable attached to the CSPM-1 contains three conductors for audio. Pressing the PTT button turns the microphone on, and releasing the PTT button turns the microphone off.



JBL CSPM-2

2-ZONE PAGING MIC

A single cable attached to the CSPM-2 contains three conductors for audio and three conductors for contact closure. Selecting a zone and pressing and holding the PTT button will route the microphone audio to that zone.



JBL CSPM-4

4-ZONE PAGING MIC

A single cable attached to the CSPM-4 contains three conductors for audio and five conductors for contact closure. Selecting a zone and pressing and holding the PTT button will route the microphone audio to that zone.

- **1 push-to-talk button**
- **Ideal for paging to 1 Zone**
- **Ideal for use with CSMA models and CSM-21 and CSM-32**

- **1 push-to-talk button**
- **2 zone selection buttons**
- **Ideal for paging to 2 zones**
- **Ideal for use with CSM-21 and CSM-32**

- **1 push-to-talk button**
- **4 zone selection buttons**
- **Ideal for paging to 4 zones**
- **Ideal for use with CSM-32**

WIRELESS MICROPHONE SETS



AKG PERCEPTION WIRELESS 45 VOCAL SET

- For houses of worship, hotels, clubs and band applications
- Includes:
SR45 receiver, HT45 handheld transmitter,
stand adapter, Switched Mode Power Supply
and AA battery



AKG PERCEPTION WIRELESS 45 PRESENTER SET

- For houses of worship, hotels, clubs and band applications
- Includes:
SR45 receiver, PT45 body-pack transmitter,
CK99 L Lavalier microphone, Switched mode
Power Supply and AA battery



AKG WMS40 MINI VOCAL SET

- Basic plug and play vocal wireless microphone system
- Up to 30 hours play time with one single AA battery
- Gain control on pocket transmitter
- Smallest and lightest body-pack transmitter in its class

HARDWIRED MICROPHONES



AKG P3 S HIGH PERFORMANCE DYNAMIC MICROPHONE

- Designed for backing vocals, guitar and wind instruments
- Frequency Range: 20-160 Hz
- Rugged, heavy duty metal case and wire mesh grill

WALL CONTROLLERS

The JBL Commercial CSR series remote controls, including CSR-V, CSR-2SV, and CSR-3SV, can use analog DC voltage to provide logic control ranging from source selection and volume. Wired with Cat 5 cable with universally accepted RJ-45 connectors up to 1000 feet (305 m) length, the CSR series remote controls allow you to remotely select the source and/or control the volume on the CSM and CSMA. Using CSR-V remote control with your CSM and CSMA, you can remotely control the volume of the source selected by the mixer. Using CSR-2SV or CSR-3SV remote control with your CSM and CSMA, you can remotely control the source on the mixer and the volume of the source.



CSR-V

1-ZONE WALL CONTROLLER



CSR-2SV

2-ZONE WALL CONTROLLER



CSR-3SV

4-ZONE WALL CONTROLLER

- Available in US or EU Form Factor
- Available in Black or White
- Volume Control
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305m) from CSM device
- For use with all CSMA and CSM models

- Available in US or EU Form Factor
- Available in Black or White
- Volume Control
- Source Selection (2 Sources)
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305m) from CSM device
- For use with CSM-21 and CSM-32

- Available in US or EU Form Factor
- Available in Black or White
- Volume Control
- Source Selection (3 Sources)
- RJ-45 / Cat. 5 Connection
- Up to 1000' (305m) from CSM device
- For use with CSM-32

PLUGINS

EFFECT PROCESSORS

RECORDING I/O



RECIPIENT OF
THE 2014 TECHNICAL
GRAMMY® AWARD

lexicon[®]
by HARMAN

NATIONAL ACADEMY OF RECORDING ARTS

TECHNICAL GRAMMY AWARD

FULL LINE CATALOG



TOUCHSTONE HERITAGE

WHEN YOU HEAR MUSIC, YOU HEAR LEXICON.

Lexicon® occupies a unique position as a leading innovator in both professional and consumer audio industries. Since the release of the first digital reverb in 1971, Lexicon has stood at the forefront of digital audio with a reputation as a manufacturer of exceptional professional audio and home theater products and an inventor of new technologies. Years of research, development, and experience allow us to continue expanding the boundaries of the listening experience.

Our professional products are prominent in the creation of worldwide music, television and film productions. These products have won numerous awards. Lexicon processors have been embraced as the standard in professional signal processing since the introduction of the 480L Digital Effects Processor, which has retained tremendous popularity for over 20 years. It has since been replaced as the standard in professional signal processing by the 960L Multi-channel Digital Effects System, which has itself garnered an impressive following of producers, artists, and engineers.

Growing demand for proprietary Lexicon technologies has led to its appearance in numerous applications – with dramatic results. Our processing is relied upon to enhance the sound of prestigious live halls and venues. Our critically acclaimed LOGIC7® technologies have been successfully incorporated in several world-renowned automobiles, including select models from BMW® and Mercedes®. LOGIC7 technologies have also been licensed to other audio companies such as harman/kardon® and AKG®. Knowingly or unknowingly – you experience Lexicon products and technologies on a daily basis. Chances are that Lexicon processing was involved in the television program you watch at home, the film you see at the cinema, or the song you listen to on the radio.

CONTENTS

PCM

PCM Processors

PCM96 Surround

330

PCM96

331

PCM92

331

MX

MX Processors

MX400XL

332

MX400

332

MX300

332

MX200

332

I-O

I-O Devices

I-O 22

333

I-O 42

333

I-O 82

333

I-O FW810s

333

REC

Desktop Recording Studios

alpha

334

lambda

334

omega

334

P

Plugins

MPX Native.

335

LXP Native

335

PCM Total

335

S

Product Specs

336-340



PCM96 SURROUND

PARALLEL STEREO AND SURROUND REVERB/EFFECTS PROCESSOR W/ ANALOG & DIGITAL I/O

INCREDIBLE FLEXIBILITY

for install venues

Building on the success of the PCM96, the new PCM96 Surround offers more presets, more configuration options, and more inputs and outputs. The PCM96 Surround gives you industry standard reverbs and effects, with tremendous flexibility. Use the PCM96 Surround as a plug-in with your DAW, or keep it connected to your mixer. Either way, you have a multitude of configuration options to choose from, without having to move any cables. The PCM96 Surround is available with either 6 channels of XLR/AES inputs and outputs, or 2 DB25 6-channel analog I/O and 1 DB25 6-channel digital I/O. Both versions also feature MIDI, Wordclock, and Ethernet.

- **Available in two models:**
 - 6 channels of XLR/AES inputs and outputs
 - 2 DB25 6-channel analog I/O and 1 DB25 6-channel digital I/O
- **New Parallel Stereo and Surround configurations**
- **50 legendary Lexicon reverbs, delays, and modulation effects**
- **Lexicon's new Surround Room algorithm**
Used to generate a vast array of room-related effects for music and post
- **Seamless automation and control via Ethernet**
- **Over 2200 factory presets**
Including recognizable classics from Lexicon's immense library of sounds
- **Hardware Plug-In capability inside Mac® VST®, Audio Units, or RTAS software**



PCM96 STEREO REVERB/EFFECTS PROCESSOR

POWERHOUSE

for studio and live venues

The PCM96 powerhouse boasts a comprehensive selection of legendary Lexicon reverbs and effects, including the return of Lexicon's prized Concert Hall reverb. Appearing for the first time are new Room and Hall algorithms, plus an assortment of new mono reverbs and effects. And selectable, reversible reflection patterns, multimode filters, and "infinity switches" provide additional new capabilities.

- 28 legendary Lexicon® reverbs, room models, modulation, delay, and pitch effects
- DAW automation through plug-in format
- Quick softrow keys for fast navigation through complex algorithms
- "Hardware Plug-In" feature with Mac VST® and Audio Units plug-in software
- HiQnet compatible



PCM92 REVERB AND EFFECTS PROCESSOR

THE ULTIMATE PROCESSOR

for studio and live venues

The PCM92 utilizes the latest DSP technology and the finest collection of classic Lexicon algorithms to offer the ultimate processor for live performances and the recording studio. This powerhouse processor delivers 28 mono and stereo reverbs, delays, and modulation effects; flexible routing configurations; and a comprehensive library of over 1200 finely-crafted presets. The PCM92 also features 24-bit A/D-D/A conversion and 44.1 to 96 kHz sample rates to complement any console.

- 28 Signature Lexicon reverbs, delays and modulation effects
- Comprehensive library of over 1200 finely-crafted studio presets
- Full system configuration and control with System Architect
- High-resolution OLED display
- Foot controller inputs make it easy to change presets and adjust parameters during live performances.



MX400XL 4-IN/4-OUT REVERB/EFFECTS PROCESSOR WITH USB "HARDWARE PLUG-IN" CAPABILITY

You want the rich, luscious sound that's defined studio reverb for three decades: a genuine Lexicon hardware processor. But you also want the flexibility of programming high-quality effects right inside your DAW program...without bogging down your CPU or resorting to expensive processing cards. Have it all with the MX400XL.

- **17 Reverbs**
Including Surround Hall
- **7 Delays**
Including Studio Delay



MX400 4-IN/4-OUT REVERB/EFFECTS PROCESSOR WITH USB "HARDWARE PLUG-IN" CAPABILITY

Four processors let you add dual stereo or true surround effects to your recordings. The built-in LCD display and front-panel parameter adjustment knobs make selecting and editing presets extremely easy. The MX400 features two 1/4" output pairs, two 1/4" input pairs, and dual S/PDIF I/O; the MX400XL features two XLR input pairs, two XLR output pairs, and dual S/PDIF I/O. Both models include seven effects routing options and 24-bit 44.1/48kHz digital sample rates.

- **17 Reverbs**
Including Vocal Hall
- **7 Delays**
Including Digital Delay



MX300 STEREO REVERB/EFFECTS PROCESSOR WITH USB "HARDWARE PLUG-IN" CAPABILITY

The MX300 features two processors, so you can apply two effects simultaneously or combine different effects in one of five routing options. The MX300 also includes stereo XLR inputs and outputs as well as 1/4" TRS inputs and outputs for greater versatility. Dedicated parameter knobs and an LCD screen make preset selecting and editing extremely easy, on a dark stage or in the recording studio.

- **16 Reverbs**
Including Ambience Reverb
- **7 Delays**
Including Reverse Delay



MX200 STEREO REVERB/EFFECTS PROCESSOR WITH USB "HARDWARE PLUG-IN" CAPABILITY

With two processors, the MX200 lets you apply or combine two reverbs or effects to your recording at the same time, in one of four routing options. The front panel Matrix displays which reverbs and effects are active, and all editing functions require only a single button push or turn of a knob. Independent controls for each processor/effect provide instant access and control over parameters for the selected effect.

- **14 Reverbs**
Including Surround Hall
- **6 Delays**
Including Tape Delay



I/O 22

2X2 USB 2.0 DESKTOP
RECORDING STUDIO

The I/O 22 is a great fit for songwriting and home recording so compact you'll want to take it everywhere you go. If you get a moment of inspiration and want to capture something new, or you're a producer on the run, then the I/O 22 has all the tools you need for high-quality recording without all the hassle.



I/O 42

4X2 USB 2.0 DESKTOP
RECORDING STUDIO

The I/O U42S features dbx® 60V high-voltage ultra-low noise microphone preamps on every channel to provide professional recordings that keep your music sounding its best. The preamps run on a 60V supply to guarantee stability and provide you optimal headroom and extremely low distortion.



I/O 82

8X2 USB 2.0 DESKTOP
RECORDING STUDIO

Say hello to the big brother of the I/O Desktop Series. In addition to all the features found on the I/O 42 we've added just a few inches to the sides and doubled your inputs! The I/O 82 has all the I/O you need to record drums or your band without sacrificing any more of your desktop.

- | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> • 44.1kHz to 96kHz sample rates, 24-bit resolution • Pantheon II VST/AU reverb plug-in with 6 legendary Lexicon reverbs • 2 analog combi-jacks for mic/line inputs • 2 analog 1/4" TRS balanced outputs | <ul style="list-style-type: none"> • 44.1kHz to 96kHz sample rates, 24-bit resolution • Pantheon II VST/AU reverb plug-in with 6 legendary Lexicon reverbs • 4 analog combi-jacks for mic/line inputs • 2 analog 1/4" TRS balanced outputs | <ul style="list-style-type: none"> • 44.1kHz to 96kHz sample rates, 24-bit resolution • Pantheon II VST/AU reverb plug-in With 6 legendary Lexicon reverbs • 8 analog combi-jacks for mic/line inputs • 2 analog 1/4" TRS balanced outputs • 2 side panel 1/4" instrument input |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



I/O FW810s 10 INPUT/12 OUTPUT FIREWIRE AUDIO INTERFACE

With a wealth of features – including dbx® 63V high-voltage, ultra-low noise mic preamp's, Pantheon™ II reverbs, and a powerful hardware mixing console with integrated dbx dynamics (compressor, gate, limiter) – the Lexicon® I/O FW810S is more than just an 8-in, 10-out FireWire™ audio interface. It's a pro recording studio contained in a single rack unit.

- **dbx® Type IV™ conversion feature**
Emulates tape saturation at high levels
- **Pro Tools® 9 & 10 Compatible**
- **dbx dynamics**
Compressor, limiter, gate and EQ on all 8 channels



ALPHA 2X2X2 DESKTOP RECORDING STUDIO

The smallest and simplest of the three, the Alpha Studio™ is perfect for solo artists. The Alpha is USB-powered so you can record anywhere you take your laptop. Alpha also features a 1/8" headphone monitoring jack and two unbalanced RCA line level outputs.

- **High-powered headphone amp**
offers ultra-clear fidelity while delivering ample power for any type of headphones
- **Monitor mix control - Can be switched to stereo or mono.**
for balancing an audio source between live input and playback mix level while recording.



LAMBDA 4X2X2 DESKTOP RECORDING STUDIO

The Lambda Studio™ can record two tracks at once, and features phantom power for condenser mics, MIDI In/Out, and a 1/8" headphone monitoring jack. Lambda is USB-powered, so it works wherever you and your computer happen to go.

- **High-powered headphone amp**
offers ultra-clear fidelity while delivering ample power for any type of headphones
- **RF-filtered and TRS balanced Line outputs**
for monitoring through powered speakers or recording to an analog source such as a cassette deck



OMEGA 8X4X2 DESKTOP RECORDING STUDIO

Nothing is more frustrating than buying a "recording system" only to find out that you need a gaggle of extras just to make it all work. Omega Studio is a completely integrated computer recording system that includes the Omega 8x4x2 USB I/O Mixer, Steinberg's® Cubase LE 5 audio and MIDI recording software, and Lexicon's world-class Pantheon VST Reverb plug-in.

The heavy hitter of the three, the Omega Studio™ features eight inputs and can record up to four tracks at once. Omega is also the only unit in the family that includes S/PDIF digital I/O as well as the standard TRS and XLR. Phantom power is available for condenser mics and Omega is powered with an included AC power adaptor.

- **Includes the Omega 8x4x2 USB I/O Mixer, Steinberg's® Cubase LE audio and MIDI recording software**
- **Features eight inputs**
can record up to four tracks at once

◀ Now you can record high quality audio with your iPad™ and the Lexicon Omega.





MPX NATIVE REVERB PLUGIN

The MPX Native Reverb Plug-In brings the classic Lexicon sound to aspiring producers and engineers that are ready to elevate their mix. For over 40 years Lexicon has been the reverb of choice for the top studios, and now it can be yours. With 7 different reverb types and over 100 studio-quality presets, the MPX Native Reverb Plug-In will undoubtedly take your mix to the next level.

REVERB TYPES

- Room
- Large Plate
- Small Plate
- Large Chamber
- Small Chamber
- Large Hall
- Small Hall



LXP NATIVE REVERB BUNDLE

Refreshingly remarkable. The LXP Native Reverb Bundle brings an inspiring quality to your mixes. These reverbs are not trying to imitate the real thing, they are the real thing. All four plug-ins are based on uniquely complex algorithms, and each comes with an array of presets to suit your needs. You can tailor each plug-in to your preference or let Lexicon's trained-ear professionals do the work for you. Place just one instance of the LXP Native Reverbs into your mix, and you will soon appreciate what distinguishes Lexicon from all others.

REVERB BUNDLE

- Room
- Plate
- Chamber
- Hall

PCM TOTAL TOTAL PLUGIN BUNDLE

The PCM Total Bundle includes everything in both our award winning Native Reverb Bundle as well as all of the Native Effects Bundle. The PCM Total Bundle delivers an artful blend of 14 legendary Lexicon reverb and effects plug-ins with hundreds of the most versatile and finely-crafted studio presets. A powerhouse bundle of heritage and innovation, the PCM Total Bundle is the ultimate studio plug-in package for creating professional, inspirational mixes within popular DAWs.

EFFECTS BUNDLE

- Pitch Shift
- MultiVoice Pitch
- Chorus
- Resonant Chords
- Random Delay
- Dual Delay
- Stringbox

REVERB BUNDLE

- Vintage Plate
- Plate
- Hall
- Room
- Random Hall
- Concert Hall
- Chamber



PCM

PCM SERIES

| | PCM92 | PCM96 | PCM 96 SURROUND |
|---------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| ANALOG AUDIO INPUTS | | | |
| Connectors | Two XLR / ¼" TRS combi-jack balanced inputs | Two XLR balanced | 25-pin Dsub female connector [PCM96SUR-A] |
| Impedance | 20k Ohms balanced | 20k Ohms balanced | 20k Ohms balanced [PCM96SUR-A] |
| Input Level | +4 dBu mode; +20dBu max -10 dBv mode; +8.2dBu max Type IV mode; +26dBu max | +4 dBu mode; +20dBu max -10 dBv mode; +8.2dBu max Type IV mode; +26dBu max | [PCM96SUR-A] +4 dBu mode; +20dBu max -10 dBv mode; +8.2dBu max |
| ANALOG AUDIO OUTPUTS | | | |
| Connectors | Two male XLR and two female ¼" TRS | Two XLR balanced (elec.) | 25-pin Dsub female connector [PCM96SUR-A] |
| Impedance | 30 Ohms balanced (elec.) | 30 Ohms balanced | 30 Ohms balanced [PCM96SUR-A] |
| Output Level | +20 dBu | +4 dBu mode; +20dBu max -10 dBv mode; 8.21 dBu max | [PCM96SUR-A] +4 dBu mode; +20dBu max -10 dBv mode; 8.21 dBu max |
| DIGITAL INPUT AND OUTPUT | | | |
| Connectors | One female XLR input and one male XLR output | XLR I/O | XLR 3/3 I/O [PCM96SUR-D] 25-pin Dsub female connector [PCM96SUR-A] |
| Format | AES/EBU balanced | AES/EBU balanced | AES/EBU balanced |
| Sample Rate | 4.1kHz, 48kHz, 88.2kHz, 96kHz | 4.1kHz, 48kHz, 88.2kHz, 96kHz | 4.1kHz, 48kHz, 88.2kHz, 96kHz |
| Conversion | 24-bit A/D; 24-bit D/A | 24-bit A/D; 24-bit D/A | 24-bit A/D; 24-bit D/A |
| AUDIO PERFORMANCE | | | |
| Frequency Response | 96kHz 20Hz - 20kHz ±.25dB 20kHz to 40kHz, +0/-3dB | 20Hz - 20kHz ±.25dB 20Hz - 40kHz +0/-3dB | 20Hz - 20kHz ±.15dB 20Hz - 40kHz ±.5dB |
| THD | <0.003%, 20Hz - 20kHz @ 4dBu | <0.002%, 20Hz - 20kHz @ +4dBu | <0.002%, 20Hz - 20kHz @ +4dBu |
| Dynamic Range | >112 dB unweighted, 115 dB A-weighted | D/A: >112dB typical, 20Hz - 20kHz A/D: >112dB typical, 20Hz - 20kHz A/A: >111dB typical, 20Hz - 40kHz | D/A: >112dB typical, 20Hz - 20kHz A/D: >112dB typical, 20Hz - 20kHz A/A: >111dB typical, 20Hz - 40kHz 112 dB unweighted, 115 dB A-weighted |
| Crosstalk | (1kHz) <-90dB, 20Hz to 20kHz @ +20dBu | -90dB, 20Hz to 40kHz | -75dB, with a +20 dBu signal |
| Internal Audio DSP | 32/64-bit floating point | 32/64-bit floating point | 32/64-bit floating point |
| SYNCHRONIZATION | | | |
| CONTROL INTERFACE | | | |
| Memory Cards | | Compact Flash Type I | Compact Flash Type I |
| Format | | Supports all size memory cards | Supports all size memory cards |
| MIDI | In/Thru/Out 5-pin DIN's | In/Thru/Out 5-pin DIN's | In/Thru/Out 5-pin DIN's |
| Footswitch | ¼" TRS connector for independent momentary footswitches | N/A | N/A |
| Foot Controller | ¼" TRS connector for foot pedal 100 Ohms - 10k Ohms (Impedance) | N/A | N/A |
| GENERAL | | | |
| Power | 100-240 VAC 50/60Hz, <14 Watts Automatic switching, (3-pin IEC connector) | 100-240 VAC 50/60Hz, 20 Watts Automatic switching, (3-pin IEC connector) | 100-240 VAC 50/60Hz, 26 Watts Automatic switching, (3-pin IEC connector) |
| Size (W/H/D) | 19" W x 1.75" H x 9.5" D (483 x 45 x 241.3 mm) rack mount standard | 19" W x 1.75" H x 12.5" D (483 x 45 x 318 mm) rack mount standard | 19" W x 1.75" H x 16" D (483 x 45 x 406 mm) rack mount standard |
| Weight | 8 lbs (3.63 kg) | 8.65 lbs (3.93 kg) | 14.25 lbs (4.48 kg) |
| Operating Temperature | 59° to 95°F (15° to 35°C) | 59° to 95°F (15° to 35°C) | 59° to 95°F (15° to 35°C) |
| Maximum Humidity | 75% relative humidity max. | 75% relative humidity max. | 75% relative humidity max. |

MX

MX SERIES

| | MX200 | MX300 | MX400 / XL |
|---------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| ANALOG AUDIO INPUTS | | | |
| Connectors | Two ¼" TRS balanced or unbalanced | Two ¼" TRS, Two XLR female | Four ¼" TRS or XLR balanced or unbalanced |
| Impedance | 20k Ohms bal., 10k Ohms unbal. | 50k Ohms bal., 25k Ohms unbal. | 50k Ohms bal., 25k Ohms unbal. |
| Input Level | +4 dBu nominal, +20 dBu maximum 48kHz or 44.1kHz | +4 dBu nominal, +24 dBu maximum 48kHz or 44.1kHz | +4 dBu nominal, +24 dBu maximum 48kHz or 44.1kHz |
| A/D Conversion | 24-bit, 48kHz 128 x oversampling | 24-bit, 48kHz 128 x oversampling | 24-bit, 48kHz 128 x oversampling |
| ANALOG AUDIO OUTPUTS | | | |
| Connectors | Two ¼" TRS balanced or unbalanced | Two ¼" TRS balanced or unbalanced, Two XLR male | Four ¼" TRS or XLR balanced or unbalanced |
| Impedance | 2k Ohms balanced 1k Ohms unbalanced 1/4" only | 2k Ohms balanced 1k Ohms unbalanced 1/4" only | 2k Ohms balanced 1k Ohms unbalanced |
| Output Level | +4 dBu or -10 dBV nominal (software adjustable), 20 dBu maximum 48kHz or 44.1kHz | +4 dBu or -10 dBV nominal (software adjustable), 24 dBu maximum 48kHz or 44.1kHz | +4 dBu or -10 dBV nominal (software adjustable), 24 dBu maximum 48kHz or 44.1kHz |
| D/A Conversion | 24-bit, 44.1/48kHz 128 x oversampling | 24-bit, 44.1/48kHz 128 x oversampling | 24-bit, 48kHz 128 x oversampling |
| ANALOG AUDIO PERFORMANCE | | | |
| Frequency Response | 10 Hz – 20kHz ref. 1kHz +/-1 dB | 10 Hz – 20kHz +0 dB/-0.5 dB | 10 Hz – 20kHz +0 dB/-0.5 dB |
| THD+N | <0.007% 10Hz – 20kHz | <0.0019% 10Hz – 20kHz | <0.0019% 10Hz – 20kHz |
| Dynamic Range | >107 dB (A-weighted) A/A | >109 dB (A-weighted) A/A | >109 dB (A-weighted) A/A |
| Crosstalk | typical <-80 dB 20Hz – 20kHz | typical <-80 dB 20Hz – 20kHz | typical <-80 dB 20Hz – 20kHz |
| DIGITAL INPUT AND OUTPUT | | | |
| Connectors | Dual RCA phono (S/PDIF) | Dual RCA phono (S/PDIF) | Dual RCA phono (S/PDIF) |
| Format | S/PDIF 24-bit | S/PDIF 24-bit | S/PDIF 24-bit |
| Sample Rate | 44.1 or 48kHz | 44.1 or 48kHz | 44.1 or 48kHz |
| Processing Delay | 3.7 ms @ 48 kHz | 3.7 ms @ 48 kHz | 3.7 ms @ 48 kHz |
| Frequency Response | 10Hz to 22kHz ±0.5 dB @ 48kHz | 10Hz to 22kHz ±0.5 dB @ 48kHz | 10Hz to 22kHz ±0.5 dB @ 48kHz |
| CONTROL INTERFACE | | | |
| USB | USB 1.0 for MX-EDIT™ Editor/Librarian and VST™/Audio Units plug-ins | USB 1.0 for MX-EDIT™ Editor/Librarian and VST™/Audio Units plug-ins | USB 1.0 for MX-EDIT™ Editor/Librarian and VST™/Audio Units plug-ins |
| MIDI | In and Out/Thru 5-pin DIN | In/Thru 5-pin DIN | In/Out 5-pin DIN |
| Footswitch | ¼" phone jack | ¼" phone jack | ¼" phone jack |
| GENERAL | | | |
| Power | 9 VAC 1.3A 50/60Hz, 18 Watts | 100-120 VAC 50/60Hz, 18 Watts 220-240 VAC 50/60Hz, 18 Watts | 117 VAC or 230 VAC, 18 Watts |
| Size (W/H/D) | 19" x 1.75" x 7.25" (483 x 44 x 185mm) | 19" x 1.75" x 7.25" (483 x 44 x 185mm) | 19" x 1.75" x 7.25" (483 x 44 x 185mm) |
| Weight | 5.8 lbs (2.6 kg) | 5.8 lbs (2.6 kg) | 5.8 lbs (2.6 kg) |

| REVERBS | MX200 | MX300 | MX400 |
|---------------|-------|-------|-------|
| Small Hall | • | • | • |
| Large Hall | • | • | • |
| Surround Hall | | | • |
| Small Plate | • | • | • |
| Large Plate | • | • | • |
| Room | | • | • |
| Chamber | • | • | • |
| Gated | • | • | • |
| Reverse | • | • | • |
| Vocal Hall | • | • | • |
| Vocal Plate | | • | • |
| Drum Hall | • | • | • |
| Drum Plate | • | • | • |
| Ambience | • | • | • |
| Studio | • | • | • |
| Arena | • | • | • |
| Spring | • | • | • |

| DELAYS | MX200 | MX300 | MX400 |
|---------------|-------|-------|-------|
| Studio Delay | • | • | • |
| Mono Delay | | • | |
| Digital Delay | • | | • |
| Tape Delay | • | • | • |
| Pong Delay | • | • | • |
| Mod Delay | • | • | • |
| Reverse Delay | • | • | • |
| 2-Tap Delay | | • | • |

I-O

I-O DEVICES

| | I-O 22 | I-O 42 | I-O 82 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| MICROPHONE INPUTS | | | |
| Connectors | (2) Female XLR Pin 2 Hot | (4) Female XLR Pin 2 Hot | (8) Female XLR Pin 2 Hot |
| Impedance | 3k Ohms balanced | 3k Ohms balanced | 3k Ohms balanced |
| Phantom Power | +48 Volts | +48 Volts | +48 Volts |
| Max Gain | +58 dB | +58 dB | +58 dB |
| EIN (150 Source) | -125 dB @ 58 dB gain typical -128 dB @ 58 dB gain typical A-weighted | -125 dB @ 58 dB gain typical -128 dB @ 58 dB gain typical A-weighted | -125 dB @ 58 dB gain typical -128 dB @ 58 dB gain typical A-weighted |
| Max Input Level | +20 dBu | +20 dBu | +20 dBu |
| Frequency Response | +/-1.0 dB, 20Hz - 20kHz | +/-1.0 dB, 20Hz - 20kHz | +/-1.0 dB, 20Hz - 20kHz |
| THD+N | <0.01%, 20Hz - 20kHz, +4dBu output (mic input to main output) <0.008%, 1kHz, +4 dBu (mic input to main output) | <0.01%, 20Hz - 20kHz, +4dBu output (mic input to main output) <0.008%, 1kHz, +4 dBu (mic input to main output) | <0.01%, 20Hz - 20kHz, +4dBu output (mic input to main output) <0.008%, 1kHz, +4 dBu (mic input to main output) |
| LINE INPUTS | | | |
| Connectors | (2) 1/4" TRS balanced or unbalanced | (4) 1/4" TRS balanced or unbalanced | (8) 1/4" TRS balanced or unbalanced |
| Impedance | 20k Ohms balanced 13k Ohms unbalanced | 20k Ohms balanced 13k Ohms unbalanced | 20k Ohms balanced 13k Ohms unbalanced |
| Max Input Level | +32 dBu | +32 dBu | +32 dBu |
| Frequency Response | +0/-1.0 dB, 20Hz - 20kHz | +0/-1.0 dB, 20Hz - 20kHz | +0/-1.0 dB, 20Hz - 20kHz |
| THD+N | <0.015%, 20Hz - 20kHz, +4dBu (line in to main out) <0.005%, 1kHz, +4 dBu | <0.015%, 20Hz - 20kHz, +4dBu (line in to main out) <0.005%, 1kHz, +4 dBu | <0.015%, 20Hz - 20kHz, +4dBu (line in to main out) <0.005%, 1kHz, +4 dBu |
| INSTRUMENT INPUT | | | |
| Connectors | (1) 1/4" TS unbalanced | (2) 1/4" TS unbalanced | (2) 1/4" TS unbalanced |
| Impedance | 1M Ohms | 1M Ohms | 1M Ohms |
| Max Input Level | +13 dBu | +13 dBu | +13 dBu |
| Frequency Response | +0/-1.0 dB, 20Hz - 20kHz | +0/-1.0 dB, 20Hz - 20kHz | +0/-1.0 dB, 20Hz - 20kHz |
| THD+N | <0.05%, 20Hz - 20kHz, +4 dBu (instrument in to main out) <0.007%, 1kHz, +4dBu | <0.05%, 20Hz - 20kHz, +4 dBu (instrument in to main out) <0.007%, 1kHz, +4dBu | <0.05%, 20Hz - 20kHz, +4 dBu (instrument in to main out) <0.007%, 1kHz, +4dBu |
| LINE OUTPUTS | | | |
| Connectors | (2) 1/4" TRS balanced or unbalanced | (2) 1/4" TRS balanced or unbalanced | (2) 1/4" TRS balanced or unbalanced |
| Level | >+18 dBu maximum | >+18 dBu maximum | >+18 dBu maximum |
| Impedance | 32 Ohms bal, 16 Ohms unbal. | 32 Ohms bal, 16 Ohms unbal. | 32 Ohms bal, 16 Ohms unbal. |
| Headphone Output | (1) 1/4" stereo jack, 350mW per channel @ 50 Ohms | (2) 1/4" stereo jack, 350mW per channel @ 50 Ohms | (2) 1/4" stereo jack, 350mW per channel @ 50 Ohms |
| DIGITAL INPUT AND OUTPUT | | | |
| Connectors | N/A | Dual RCA phono | Dual RCA phono |
| Format | N/A | S/PDIF 24-bit | S/PDIF 24-bit |
| D/A - A/D Sample Rate | 44.1kHz, 48kHz, 88.2kHz, or 96kHz determined by DAW | 44.1kHz, 48kHz, 88.2kHz, or 96kHz determined by DAW | 44.1kHz, 48kHz, 88.2kHz, or 96kHz determined by DAW |
| DYNAMIC RANGE 20Hz - 20kHz | | | |
| A/D (24 Bit) | 102 dB typical, A-weighted | 102 dB typical, A-weighted | 102 dB typical, A-weighted |
| D/A (24 Bit) | 106 dB typical, A-weighted | 106 dB typical, A-weighted | 106 dB typical, A-weighted |
| A/D/A (24 Bit) | 101 dB typical, A-weighted | 101 dB typical, A-weighted | 101 dB typical, A-weighted |
| CONTROL INTERFACE | | | |
| USB | Version 2.0, Type B socket; | Version 2.0, Type B socket; | Version 2.0, Type B socket; |
| MIDI | In/Out 5-pin DIN | In/Out 5-pin DIN | In/Out 5-pin DIN |
| GENERAL | | | |
| Power | Power adaptors available for 100-240 VAC, 50/60 Hz, 12 Watts | Power adaptors available for 100-240 VAC, 50/60 Hz, 18 Watts | Power adaptors available for 100-240 VAC, 50/60 Hz, 24 Watts |
| Size (W/H/D) | 12" W x 4.25" H x 4" D (31cm x 11cm x 10cm) | 15" W x 4.25" H x 4" D (38cm x 11cm x 10cm) | 18" W x 4.25" H x 4" D (46cm x 11cm x 10cm) |
| Weight | Packaged approx. 3.5 lbs. Unit alone approx. 2.5 lbs. | Packaged approx. 5 lbs. Unit alone approx. 3.1 lbs. | Packaged approx. 6 lbs. Unit alone approx. 4 lbs. |

| | I-O 82 | I-O 42 | I-O 22 |
|----------------------------------------|--------|--------|--------|
| PRO TOOLS 9 & 10 COMPATIBLE | YES | YES | YES |
| COMBI-JACK ANALOG INPUTS | 2 | 4 | 8 |
| SIMULTANEOUS RECORDING SOURCES | 2 | 6 | 10 |
| DBX 60V MIC PREAMPS | 2 | 4 | 8 |
| HI-Z INSTRUMENT INPUTS | 1 | 2 | 2 |
| S/PDIF | NO | YES | YES |
| MIDI I/O | YES | YES | YES |
| HEADPHONE CONNECTIONS | 1 | 2 | 2 |
| 1/4" TRS ANALOG OUTPUTS | 2 | 2 | 2 |

I-O

I-O FW810S

| | I-O FW810S |
|--------------------------|----------------------------------------------------------------------------|
| MICROPHONE INPUTS | |
| Connectors | Female XLR Pin 2 Hot |
| Impedance | 3k Ohms balanced |
| Phantom Power | +48 Volts |
| Gain | +55 dB |
| EIN (150 Source) | -127 dB @ 58 dB gain typical -130 dB @ 58 dB gain typical A-weighted |
| Max Input Level | +8 dBu |
| Frequency Response | +/-1.5 dB, 20Hz - 20kHz |
| THD+N | <0.02%, 20Hz - 20kHz <0.02%, 1kHz, -6 dBu |
| LINE INPUTS | |
| Connectors | ¼" TRS balanced or unbalanced |
| Impedance | 20k Ohms balanced 13k Ohms unbalanced |
| Max Input Level | +22 dBu |
| Frequency Response | +/-1.5 dB, 20Hz - 20kHz |
| THD+N | <0.02%, 20Hz - 20kHz <0.02%, 1kHz, +18 dBu |
| INSTRUMENT INPUT | |
| Connectors | ¼" TS unbalanced |
| Impedance | 500k Ohms |
| Max Input Level | +10 dBu |
| Frequency Response | +/-2.5 dB, 20Hz - 20kHz |
| THD+N | <0.08%, 1kHz - +4dBu |

| | I-O FW810S |
|-----------------------------------|--------------------------------------------------------------|
| LINE OUTPUTS | |
| Connectors | ¼" TRS balanced or unbalanced |
| Level | +20 dBu maximum |
| Impedance | 32 Ohms bal, 16 Ohms unbal. |
| Headphone Output | ¼" stereo jack, 250mW per channel @ 50 Ohms |
| DIGITAL INPUT AND OUTPUT | |
| Connectors | Dual RCA phono |
| Format | S/PDIF 24-bit |
| D/A - A/D Sample Rate | 44.1kHz, 48kHz, 88.2kHz, or 96kHz determined by DAW |
| DYNAMIC RANGE 20Hz - 20kHz | |
| A/D (24 Bit) | 110 dB typical, A-weighted |
| D/A (24 Bit) | 110 dB typical, A-weighted |
| A/D/A (24 Bit) | 108 dB typical, A-weighted |
| CONTROL INTERFACE | |
| FireWire | 2 IEEE 1394 FireWire 400 Ports |
| MIDI | In/Out 5-pin DIN |
| GENERAL | |
| Power | Power adaptors available for 100-240 VAC, 50/60 Hz, 24 Watts |
| Size (W/H/D) | 19" W x 1.7" H x 10.5" D (46cm x 11cm x 10cm) |
| Weight | 7.7 lbs |

REC

DESKTOP RECORDING STUDIOS

| | ALPHA STUDIO | LAMBDA STUDIO | OMEGA STUDIO |
|-----------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| MICROPHONE INPUTS | | | |
| Connectors | Two female XLR Pin 2 Hot | Two female XLR Pin 2 Hot | Two female XLR Pin 2 Hot |
| Impedance | 600 Ohms balanced | 600 Ohms balanced | 600 Ohms balanced |
| Phantom Power | N/A | +48 Volt DC | +48 Volt DC |
| Gain | +44 dB | +44 dB | +50 dB |
| EIN (150 Source) | -115 dB A-weighted @ 50 dB gain | -120 dB A-weighted @ 44 dB gain | -120 dB A-weighted @ 50 dB gain |
| Frequency Response | +0, -0.5 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.5 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.2 dB 20 Hz - 20kHz, ref. 1kHz |
| THD+N | <.005%, 20Hz - 20kHz | <.005%, 20Hz - 20kHz | <.005%, 20Hz - 20kHz |
| INSERT INPUTS | | | |
| Connectors | N/A | Two ¼" TRS balanced or unbalanced | Two ¼" TRS balanced or unbalanced |
| Second Level (tip) | N/A | +19 dBu maximum | +19 dBu maximum |
| Max Return Level (ring) | N/A | +19 dBu maximum | +19 dBu maximum |
| LINE INPUTS | | | |
| Connectors | Four ¼" TRS balanced or unbalanced | Four ¼" TRS balanced or unbalanced | Four ¼" TRS balanced or unbalanced |
| Impedance | 20k Ohms balanced, 10k Ohms unbalanced | 20k Ohms balanced, 10k Ohms unbalanced | 20k Ohms balanced, 10k Ohms unbalanced |
| Max Input Level | +12 dBu | +13 dBu | +22 dBu |
| Frequency Response | +0, -0.5 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.5 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.2 dB 20 Hz - 20kHz, ref. 1kHz |
| THD+N | <.009% A/D, 20Hz - 20kHz | <.009% A/D, 20Hz - 20kHz | <.009% A/D, 20Hz - 20kHz |
| INSTRUMENT INPUT | | | |
| Connectors | One ¼" mono jack | One ¼" mono jack | One ¼" mono jack |
| Impedance | 1 MΩ unbalanced | 1 MΩ unbalanced | 1 MΩ unbalanced |
| Max Input Level | +8.5 dBu | +8.5 dBu | +19 dBu |
| Frequency Response | +0, -0.25 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.25 dB 20 Hz - 20kHz, ref. 1kHz | +0, -0.25 dB 20 Hz - 20kHz, ref. 1kHz |
| THD+N | <.0125% A/D | <.0125% A/D | <.0125% A/D |
| Crosstalk | <-74dB any input or output to any recording channel, 20Hz - 20kHz <-95dB at 1kHz typical | <-74dB any input or output to any recording channel, 20Hz - 20kHz <-95dB at 1kHz typical | <-74dB any input or output to any recording channel, 20Hz - 20kHz <-95dB at 1kHz typical |
| LINE OUTPUTS | | | |
| Connectors | Two ¼" TRS balanced or unbalanced | Two ¼" TRS balanced or unbalanced | Two ¼" TRS balanced or unbalanced |
| Level | +16 dBu maximum | +16 dBu maximum | +19 dBu maximum |
| Impedance | 1k Ohms bal, 500 Ohms unbalanced | 1k Ohms bal, 500 Ohms unbalanced | 110 Ohms |
| Headphone Output | One 1/8" stereo jack 20mW per channel @ 50 Ohms | One 1/8" stereo jack 25mW per channel @ 50 Ohms | One 1/4" stereo jack 100mW per channel @ 50 Ohms |
| DIGITAL INPUT AND OUTPUT | | | |
| Connectors | N/A | N/A | Dual RCA phono |
| Format | N/A | N/A | S/PDIF 24-bit |
| D/A - A/D Sample Rate | 44.1kHz or 48kHz, determined by DAW | 44.1kHz or 48kHz, determined by DAW | 44.1kHz or 48kHz, determined by DAW |
| DYNAMIC RANGE 20Hz - 20kHz | | | |
| A/D (24 bit) | 96 dB typical, A-weighted | 96 dB typical, A-weighted | 104 dB typical, A-weighted |
| D/A (24 bit) | 100 dB typical, A-weighted | 100 dB typical, A-weighted | 105 dB typical, A-weighted |
| A/D/A (24 bit) | 95 dB typical, A-weighted | 95 dB typical, A-weighted | 103 dB typical, A-weighted |
| Analog Path | 109 dB typical, A-weighted | 109 dB typical, A-weighted | 118 dB typical, A-weighted |
| CONTROL INTERFACE | | | |
| USB | Version 1.1, Type B socket; 1.1 hubs are not supported | Version 1.1, Type B socket; 1.1 hubs are not supported | Version 1.1, Type B socket; 1.1 hubs are not supported |
| MIDI | In/Out 5-pin DIN | In/Out 5-pin DIN | In/Out 5-pin DIN |
| GENERAL | | | |
| Power | USB Bus-Powered | USB Bus-Powered | PS0913-B 9VAC adapter requires 18 Watts @ 120V |
| Size (W/H/D) | 6.75" W x 1.6" H x 6.5" D (171mm x 40mm x 165mm) | 3.4" W x 6.5" H x 6.5" D (86mm x 165mm x 165mm) | 4.625" W x 7.25" H x 7.75" D (118mm x 184mm x 197mm) |
| Weight | 1.1 lbs. (0.49 kg) | 1.92 lbs. (0.86 kg) | 2.65 lbs. (1.2 kg) |



RECIPIENT OF
THE 2014 TECHNICAL
GRAMMY® AWARD

lexicon
by HARMAN

GREATEST
HITS

1971 - 2015

When you hear music, you hear Lexicon.

Whether you're listening to Rock, Country, R&B or Jazz, chances are, you're hearing Lexicon. For over 40 years Lexicon has been the reverb of choice on more recordings than any other brand.

We at Lexicon are honored to be recognized with the 2014 Technical GRAMMY® award.

Thank you.

lexicon
by HARMAN

GRAMMY® IS A REGISTERED TRADEMARK OF THE GRAMMY FOUNDATION.



PROFESSIONAL AUDIO SIGNAL PROCESSING

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LIVE SOUND MIXING CONSOLES

FULL LINE CATALOGUE 2015

Soundcraft
by HARMAN



Vi6

DIGITAL LIVE SOUND MIXING CONSOLE

BEYOND INTUITIVE CONTROL

with pristine audio quality

With groundbreaking Soundcraft® Vistonics™ and FaderGlow™ technologies combining visual information and operational controls in one area, Vi Series live sound consoles remove the burden of complex mental mapping, freeing the operator to concentrate on the mix. A simple touch of the screen is all it takes to access channel functions including routing, input gain, digital gain trim, delay, high and low pass filters, 4-band parametric EQ, compressor, limiter, gate, de-esser and pan.

Partnering a compact control surface with a powerful SCore Live processing engine and remote stageboxes, Vi6 delivers simultaneous mixing of up to 96 inputs on 32 faders in 3 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels. Pristine sound quality is assured by ultra-low noise mic amp designs and advanced 40-bit floating point digital audio processing, while FX come courtesy of 8 independent Lexicon multi-FX units, with BSS graphic EQ on every bus output. Rapid configuration and powerful automation features, radio mic status monitoring and extensive ViSi Connect I/O expansion (EtherSound, CobraNet™, Dante™, MADI, etc.) complete the package.

- Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
- FaderGlow™ illumination of fader tracks for at a glance status display
- Simultaneous mixing of up to 96 inputs on 32 faders in 3 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
- 32 Mono or stereo Group/Aux/Matrix busses
- 40-bit floating point digital audio processing
- Cat5 or Cat7 connection to remote stagebox
- Optional Fibre Optic interface
- Lexicon / BSS Audio processing
- 96 inputs to mix
- 16 VCA Groups and 4 independent Mute Groups
- 4-band fully parametric EQ on every input and output, with HPF and LPF on every input
- GEQ on every bus.
- 8 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Add Vi option cards for more interfacing options
- Redundant PSU



Vi4

DIGITAL LIVE SOUND MIXING CONSOLE

BEYOND INTUITIVE CONTROL

with pristine audio quality

With groundbreaking Soundcraft® Vistonics™ and FaderGlow™ technologies combining visual information and operational controls in one area, Vi Series live sound consoles remove the burden of complex mental mapping, freeing the operator to concentrate on the mix. A simple touch of the screen is all it takes to access channel functions including routing, input gain, digital gain trim, delay, high and low pass filters, 4-band parametric EQ, compressor, limiter, gate, de-esser and pan.

Partnering a compact control surface with a powerful SCore Live processing engine and remote stageboxes, Vi4 delivers simultaneous mixing of up to 96 inputs on 24 faders in 3 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels. Pristine sound quality is assured by ultra-low noise mic amp designs and advanced 40-bit floating point digital audio processing, while FX come courtesy of 8 independent Lexicon multi-FX units, with BSS graphic EQ on every bus output. Rapid configuration and powerful automation features, radio mic status monitoring and extensive ViSi Connect I/O expansion (EtherSound, CobraNet™, Dante™, MADI, etc.) complete the package.

- Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
- FaderGlow™ illumination of fader tracks for at a glance status display
- Simultaneous mixing of up to 96 inputs on 24 faders in 3 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
- 32 Mono or stereo Group/Aux/Matrix busses
- 40-bit floating point digital audio processing
- Cat5 or Cat7 connection to remote stagebox
- Optional Fibre Optic interface
- Lexicon / BSS Audio processing
- 96 inputs to mix
- 16 VCA Groups and 4 independent Mute Groups
- 4-band fully parametric EQ on every input and output, with HPF and LPF on every input
- GEQ on every bus.
- 8 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Add Vi option cards for more interfacing options
- Redundant PSU

Vi SERIES

Soundcraft
by HARMAN



Vi2

DIGITAL LIVE SOUND MIXING CONSOLE

FULL Vi MIX CAPACITY

in a compact control surface

With groundbreaking Soundcraft® Vistonics™ and FaderGlow™ technologies combining visual information and operational controls in one area, Vi Series live sound consoles remove the burden of complex mental mapping, freeing the operator to concentrate on the mix. A simple touch of the screen is all it takes to access channel functions including routing, input gain, digital gain trim, delay, high and low pass filters, 4-band parametric EQ, compressor, limiter, gate, de-esser and pan.

Partnering a compact control surface with a powerful SCore Live processing engine and remote stageboxes, Vi2 uses standard stagebox/local rack hardware to mix up to 96 inputs on a compact control surface with 8 input faders. Pristine sound quality is assured by ultra-low noise mic amp designs and advanced 40-bit floating point digital audio processing, while FX come courtesy of 8 independent Lexicon multi-FX units, with BSS graphic EQ on every bus output. Rapid configuration and powerful automation features, radio mic status monitoring and extensive ViSi Connect I/O expansion (EtherSound, CobraNet™, Dante™, MADI, etc.) complete the package.

- Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
- FaderGlow™ illumination of fader tracks for at a glance status display
- Simultaneous mixing of up to 96 inputs on 8 faders in 3 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
- 32 Mono or stereo Group/Aux/Matrix busses
- 40-bit floating point digital audio processing
- Cat5 or Cat7 connection to remote stagebox
- Optional Fibre Optic interface
- Lexicon / BSS Audio processing
- 96 inputs to mix
- 16 VCA Groups and 4 independent Mute Groups
- 4-band fully parametric EQ on every input and output, with HPF and LPF on every input
- GEQ on every bus.
- 8 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Add Vi option cards for more interfacing options
- Redundant PSU

Vi SERIES

Soundcraft
by HARMAN



Vi1

DIGITAL LIVE SOUND MIXING CONSOLE

Vi MIXING

in a standalone console

With groundbreaking Soundcraft® Vistonics™ and FaderGlow™ technologies combining visual information and operational controls in one area, Vi Series live sound consoles remove the burden of complex mental mapping, freeing the operator to concentrate on the mix. A simple touch of the screen is all it takes to access channel functions including routing, input gain, digital gain trim, delay, high and low pass filters, 4-band parametric EQ, compressor, limiter, gate, de-esser and pan.

The Vi1 is a complete standalone console package with 32 channels of analogue inputs and 32 analogue outputs. The Vi1 can also be configured to be 48 mic inputs by 16 line outputs. In addition to the analogue I/O, there are 6 digital inputs and 6 digital outputs in one chassis. Input to mix capacity is 64 channels by adding a stagebox route able to 24 busses all with GEQ and compression.

- Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
- FaderGlow™ illumination of fader tracks for at a glance status display
- Simultaneous mixing of up to 64 inputs on 16 faders in 4 banks into 35 outputs, with 24 insert send/return pairs assignable to any of the input or output channels
- 24 Group/Aux/Matrix busses
- 40-bit floating point digital audio processing
- Cat5 or Cat7 connection to remote stagebox
- Optional Fibre Optic interface
- Lexicon / BSS Audio processing
- Local I/O: 32 Inputs, 32 Outputs or 48 inputs, 16 outputs.
- 4 AES inputs and 2 S/PDIF inputs
- 64 inputs to mix
- 8 VCA Groups and 4 independent Mute Groups
- 4-band fully parametric EQ on every input and output, with HPF and LPF on every input
- GEQ on every bus.
- 4 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Delay adjustable on every input and output
- Add Vi option card for more interfacing options
- Redundant PSU

Vi SERIES

Soundcraft
by HARMAN



Vi3000

DIGITAL LIVE SOUND MIXING CONSOLE

POWER, CONTROL & CONNECTIVITY

with 3D Vistonics™ touchscreens and FaderGlow™

The Soundcraft® Vi3000 combines Vi Series powerhouse functionality and comprehensive I/O in an efficiently designed all-in-one console, featuring 36 faders, 24 mono/stereo busses and four Vistonics II™ touchscreen interfaces with updated 3D graphics. Because the Vi3000 has four touchscreens, it's the only console in its class that can be used by two engineers at the same time.

Soundcraft Vi3000 offers extensive rear panel connectivity. In addition to a full complement of analog and digital inputs and outputs, the console provides MIDI, USB, Ethernet, DVI out, Dante™/MADI record feed outputs, redundant power supply and other connections.

The Vi3000 has two expansion bays that can be fitted with MADI Stagebox cards, to connect multiple Soundcraft Stagebox input expander modules. The Vi3000 is the first Soundcraft console to incorporate a Dante™ interface as standard, for seamless digital audio networking with Dante™-enabled devices.

The Vi3000 can also accommodate the new Soundcraft Realtime Rack, a hardware/software unit designed in collaboration with plug-in manufacturer Universal Audio that provides access to 74 industry-standard UAD plug-ins.

- 3D Vistonics™ II touchscreen interface relieves the burden of complex mental mapping
- FaderGlow™ illumination of fader tracks for at a glance status display
- 96 inputs to mix
- 24 input faders
- 24 Mono or stereo Group/Aux/Matrix busses
- 40-bit floating point digital audio processing
- Optional 64 Channel Stagebox
- Cat5 or Cat7 connection to remote stagebox
- Lexicon / BSS Audio processing built-in
- UAD Plug-In processing via the Realtime Rack
- Compatible ViSi Remote iPad® app for remote mixing
- Integrated MADI interface as standard
- Built-in Dante™ interface as standard
- 4-band fully parametric EQ on every input and output, with HPF and LPF on every input
- GEQ on every bus.
- 4 independent stereo Lexicon FX processors
- Compressor and gate on every input, compressor on every output
- Add Vi option cards for more interfacing options
- Redundant PSU



REALTIME RACK

LIVE SOUND PLUG-IN ENGINE

PLUG-IN INTEGRATION

powered by Universal Audio

Introducing the Soundcraft® Realtime Rack, powered by Universal Audio. The Realtime Rack hardware and software allow users of Soundcraft Vi consoles to integrate UAD Powered Plug-Ins with (48 kHz) sub-2 millisecond latency and have full snapshot store and recall with Soundcraft's CUE/Snapshot system. Realtime Rack can run 16 channel strips each with up to 8 plug-ins inserted. Up to 4 Realtime racks can be daisy chained to allow processing of 64 channels simultaneously. Realtime Rack's robust SHARC-based processors run audio over standard Optical MADI connections and dual-redundant internal power supplies ensure that audio signals keep running even in the event of a power supply failure.

- Durable 1U Rack enclosure
- 4 SHARC DSPs onboard
- Dual-redundant internal power supplies with failover detection
- Each Realtime Rack unit processes up to 16 channels of a MADI stream (add additional units for 32, 48 or 64 channels)
- Runs a huge library of UAD Powered Plug-Ins & UAD Direct Developer Plug-Ins
- Dual-Thunderbolt host connectivity
- One set of MADI optical I/O (64 channels @ 48 kHz)
- Word Clock I/O (BNC) and Input termination
- Sample Rate support from 44.1 kHz to 96 kHz
- Clock Support for the following formats: Internal, MADI, Word Clock

• Realtime Rack ultimate Bundle Includes:

1176 Classic Limiter Collection, 1176LN Legacy Limiter, 1176SE Legacy Limiter, API 500 Series EQ Collection, API Vision Channel Strip, dbx 160 Compressor, CS-1 Channel Strip, Cambridge Equalizer, CooperTime Cube Delay/Modulation, DreamVerb Reverb, Empirical Labs Fatso JR/SR, EMT 140 Plate Reverb, EMT 250 Digital Reverb, EP-34 Tape Echo, Fairchild Tube Limiter Collection, Harrison 32C Equalizer, Helios 69 Equalizer, Lexicon 224 Reverb, Little Labs IBP, Little Labs VOG, Manley Massive Passive, Moog Filter, MXR Flanger Doubler, Neve 1073, Neve 1081, Neve 31102, Neve 33609, Neve 88RS, Oceanway Studios, Precision, Buss Compressor, Precision De-Esser, Precision Enhancer Hz, Precision Enhancer kHz, Precision Equalizer, Precision K-Stereo, Precision Limiter, Precision Maximizer, Pultec Passive EQ Collection, Pultec EQP-1A Legacy Equalizer, Pultec Pro Legacy Equalizer, RealVerb Pro Reverb, Roland CE-1, Roland Dimension D, Roland RE-201, SPL Transient Designer, SSL E Channel Strip, SSL G Bus Compressor, Studer A800 Tape Machine, Teletronix LA-2A Limiter Collection, Teletronix LA-2A Legacy Limiter, Teletronix LA-3A Limiter, Trident A-Range

• Realtime Rack core bundle includes:

1176LN Legacy Limiter, 1176SE Legacy Limiter, dbx 160 Compressor, CS-1 Channel Strip, Lexicon 224 Reverb, Pultec EQP-1A Legacy Equalizer, Pultec Pro Legacy Equalizer, RealVerb Pro Reverb, Studer A800 Tape Machine, Teletronix LA-2A Legacy Limiter

VI SERIES

Soundcraft
by HARMAN



Si PERFORMER

DIGITAL LIVE SOUND MIXING CONSOLE
WITH DMX LIGHTING CONTROL

POWERFUL LIVE SOUND MIXING

with integrated lighting control

With up to 80 channels to mix, intuitive analogue-style operation, built-in Lexicon FX, sophisticated 4-band fully parametric EQ, full dynamics processing, a comprehensive range of ViSi Connect expansion options, flexible routing and grouping and remote iPad® control, the Si Performer is a remarkable live sound mixer.

But that's just the beginning. The unique integration of a DMX512 port and lighting control interface into an intuitive control surface that enables sound and lighting fader functions to be combined in layers, delivers comprehensive show control in a single, compact package. The possibilities are endless. From theatre productions to gigging bands and music venues, houses of worship to live productions and corporate AV events, any 'single-operator' application in which sophisticated digital audio mixing is a prerequisite can now be enhanced with integrated lighting control, where freely assignable fader layers allow inputs, busses and DMX controls to be conveniently assigned anywhere on any fader layer. 16, 24 and 32 mono mic input versions are available.

- 16, 24 and 32 mono input frame sizes
- FaderGlow™ illumination of fader tracks for at a glance status display
- Up to 80 inputs to mix (with external stagebox or option card)
- 8 stereo channels
- 20 Aux busses to 14 mixes
- User-assignable fader layers
- 4 FX busses
- 4 mono or stereo Matrix mixes
- LR, Mono and LCR Pan modes
- 4 stereo Lexicon effects engines
- 8 VCA groups
- 8 Mute groups
- Expansion cards available for MADI, CobraNet®, AES/EBU, Aviom A-Net®, Riedel RockNet, BLU link and Dante™
- Multi Digital expansion card for multitrack recording to a DAW
- Harman HiQnet integration
- DMX lighting control



Si EXPRESSION

DIGITAL LIVE SOUND MIXING CONSOLE

POWERFUL DIGITAL MIXING

with an intuitive, 'analogue-style' workflow

Si Expression exploits cutting-edge DSP technology, classic British sound quality and the equivalent of no less than 392 rack-units of built-in FX, GEQ and Dynamics from Lexicon, BSS and dbx to deliver Soundcraft's most powerful, cost effective, small format digital console ever.

A range of three mixers is identical in features, the only decision being how many faders and local mic amps are required. With a massive 66 input processing channels, all Si Expression consoles have busses, output processing and connectivity to match the versatility of the inputs. A range of ViSi Connect cards dramatically expands I/O options while Compact and Mini stageboxes further extend I/O power and flexibility. A Multi Digital card enables live multitrack recording to a DAW. Intuitive, analogue-style control lies at the heart of the Si Expression concept, with features like assignable fader layers, a colour touchscreen and Soundcraft® FaderGlow™ lighting the way to a better mix, while ViSi Remote Control allows mixing on an iPad® from anywhere in the venue.

- 16, 24 and 32 mono input frame sizes
- FaderGlow™ illumination of fader tracks for at a glance status display
- Up to 66 inputs (with external stagebox or option card)
- 6 stereo channels
- 20 Aux busses to 14 mixes
- User-assignable fader layers
- 4 FX busses
- 4 mono or stereo matrix busses
- L/R and Mono busses
- 4 stereo Lexicon effects engines
- BSS GEQ on every bus
- 4 Mute groups
- Colour touchscreen
- tOTEM™ one-touch easy mixing
- D.O.G.S Direct Output Gain Stabilisation
- Expansion cards available for MADI, CobraNet®, AES/EBU, Aviom A-Net®, Riedel RockNet, BLU link and Dante™
- MADI-USB Combo card for simultaneous stagebox and 32 channel recording capability
- Harman HiQnet integration

Si SERIES

Soundcraft
by HARMAN



ViSi REMOTE

iOS REMOTE MIXING APP

TUNE THE MIX

from anywhere in the venue

Soundcraft ViSi Remote 2.1 is an iOS application that allows remote control of Soundcraft Vi, Si Compact, Si Performer and Si Expression mixing consoles wirelessly from your iPad device using no additional hardware other than a wireless access router connected to the Harman HiQnet® Ethernet port of the console.

With ViSi Remote you are free to roam your venue and adjust mixes and other audio parameters directly from the iPad!

With 2.1 comes full channel and bus metering, including noise gate and compressor graphs, as well as the previous ViSi 2.0 additions of the channel strip settings. This functionality will be added to Vi consoles in a future update.

- Optimise the front of house mix from anywhere in the room
- Set mic gains and 48V from the stage
- Adjust monitor levels while standing next to the artist
- Adjust channel strip settings remote from the console
- Use to extend the fader count of an existing control surface
- Use in standalone mode for familiarisation with console functions
- Control a network of consoles (e.g. FOH and Monitor)
- Provide a separate surface for DMX functionality (Si Performer only)
- Allow multiple users on the same console to control their own mixes
- Have a global metering overview or "meter bridge" as an extension of the console



COMPACT STAGEBOX

I/O EXPANSION

A fully-configurable stagebox offering a high-density of I/O connections in 4U of rack space. Standard configuration is 32 mic/line inputs, 8 line outputs, 8 channels of AES/EBU outputs and 2 slots for ViSi Connect expansion cards. Connects via Cat-5 or optical fibre MADI. The Compact Stagebox comes complete with twin redundant power supplies.



MINI STAGEBOX 16R

I/O EXPANSION

The Mini Stagebox 16 (2U) provides 16 analogue inputs and 8 analogue line outputs making a 16x8 matrix. The mini stagebox 16R adds more control to the user allowing gain/48v control to be selectable between the Main and Aux ports on the stagebox card using internal dipswitches. The PSU is integral and the stagebox is supplied with the card installed and corresponding MADI-USB card to allow simultaneous remote I/O and recording capability (Vi console MADI cards sold separately).



MINI STAGEBOX 32R

I/O EXPANSION

The Mini Stagebox 32 (3U) provides 32 analogue inputs and 8 analogue line outputs, with 4 pairs of AES outputs, providing a total I/O capacity of 32 inputs and 16 outputs. The mini stagebox 32R adds more control to the user allowing gain/48v control to be selectable between the Main and Aux ports on the stagebox card using internal dipswitches. The PSU is integral and the stagebox is supplied with the card installed and corresponding MADI-USB card to allow simultaneous remote I/O and recording capability (Vi console MADI cards sold separately).



Vi STAGEBOX

STANDARD STAGEBOX FOR Vi SERIES CONSOLES

The standard Vi stagebox houses 64 analogue mic/line inputs and 32 analogue line outputs, with 48V phantom power and a 100Hz HPF before the A-D converters. Mic amp gain can be controlled remotely from the console surface. Optional AES/EBU inputs are available for the stagebox in sections of 8. Up to 5 stageboxes can be connected to create a digital patchbay, where the operator can select the 64 or 96 inputs to the console from a selection of inputs available on any of the connected stageboxes. Connection to console via either Cat5 or optical fibre interface.



ETHERSOUND

Vi DIGIGRAM ETHERSOUND CARD

The Digigram EtherSound card allows up to 128 channels of audio (64 inputs/64 outputs) to be connected to the rack via a single Cat5 connection. A second Cat5 connection allows daisy chaining or full redundancy capability, ensuring the network remains uninterrupted should a cable be broken. Available in both stagebox and local rack versions. This card is only available via Digigram's distribution network.



A-NET®

Vi A-NET® 16V CARD

The Soundcraft A-NET® 16V card provides direct digital connection on a single Cat5e cable from the Aux or Group outputs into an Aviom® A-NET® Pro16™ Series Personal Mixer (compatible with A-16II and A-16R). The Pro16 System enables musicians on stage to be fed with up to 16 subgroups of instruments or vocals which they can then mix to their own taste using their own on-stage controller. The card includes a switchable test tone and stereo pair linking via DIP switches. Available in both stagebox and local rack versions.



COBRANET™

Vi COBRANET™ CARD

The CobraNet™ card allows up to 32 channels of input or output signals (or a combination of both) to be received by or sent from console onto a CobraNet™ network. The card must be used as the Conductor for the network. By default, the card is configured for 32 outputs. Available in both stagebox and local rack versions.



MADI

Vi MADI INTERFACE CARD

In addition to the optional card choices, an optical MADI interface is fitted as standard, allowing direct connection to a Pro Tools HD™ recording system via a third party converter box or any MADI compatible device (eg SSL XLogic Delta-Link). Along with the ADAT card, the MADI card offers a simple recording solution for the Vi Series. Additional MADI cards may be fitted by exchanging with other I/O cards, to connect additional stageboxes.



ROCKNET

Vi ROCKNET CARD

The Vi RockNet card supports 64 inputs and 64 outputs to the RockNet system, and enables a Vi console to become a part of a RockNet digital audio network, providing remote control of any RockNet microphone preamplifier.

This card is only available via the Riedel's distribution network.



ADAT

Vi ADAT CARD

The ADAT card provides two optical eight-channel ADAT inputs and outputs, with selectable 44.1/48/88.2/96 kHz operation. Optical inputs and outputs are provided on Toslink connectors and can be used to record to, for example, an Alesis HD-24 hard disk recorder or other device with ADAT inputs and outputs, and receive playback audio. In 96kHz operation, the number of channels is limited to eight, i.e. four per I/O.



DOLBY E

Vi DOLBY E CARD

The Dolby E card decodes the audio channels from a Dolby E or Dolby Digital stream and allows them to be patched into separate inputs on the console for mixing. Each card provides two full decoder sections, and can dramatically save external hardware cost, space and weight.



3G SDI

Vi 3G SDI CARD

The 3G SDI card can de-embed up to 16 audio channels from an SDI (Serial Digital Interface) stream, and re-embed them back on to the stream for onward transmission in a broadcast environment, saving high costs of external units and, of course, weight. These channels may be patched in to any input as usual.



AES/EBU

Vi AES/EBU INPUT CARD

Each stagebox analogue input card (8 inputs) can be replaced by an optional AES/EBU input card which holds 4 pairs of AES/EBU inputs, with built-in Sample Rate Convertors. Similarly, each analogue output card (8 outputs) can be replaced by an optional AES/EBU output card which holds 4 pairs of AES/EBU outputs.



TDIF

Vi TDIF INTERFACE CARD

This card provides two eight-channel TDIF I/O interfaces with 48 kHz operation with wordclock sync outputs on BNC connectors. Inputs and outputs are provided on standard 25-pin D-type connectors (female).



BLULINK

Vi BLULINK CARD

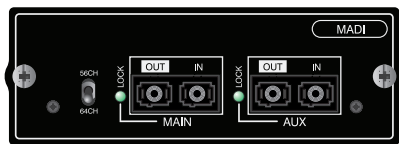
The Blu Link card provides up to 32 inputs and 32 outputs to/from a BSS Blu Link ring and can be used to interface to BSS London networked audio systems, or to the PMC Personal Monitoring Controller. The Vi Blu Link card contains internal DIP switches that allow a block of 32 sequential channels from the total of 256 available to be addressed by the card. This is separately selectable for inputs and outputs.



DANTE™

Vi DANTE™ CARD

The Dante card allows 64 channels to be sent to/received from a Dante network. As well as providing audio exchange with other Dante-enabled equipment, the card also allows 64 channels of audio to be connected directly to a PC or Mac computer for recording or processing, by using a standard Ethernet connection. Routing and setup of the network is done using an external computer running Dante Controller software.



OPTICAL MADI

Si MADI CARD

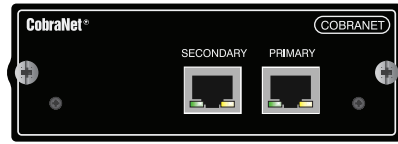
The MADI I/O card can establish a 64-channel MADI input and output link to a remote device such as stage rack, another console or Broadcast feed to an OB. Optical inputs and outputs are provided on SC connectors available in multi-mode or single mode, with the auxiliary interface available as a redundant link.



DUAL CAT5 MADI

Si DUAL CAT5 MADI CARD

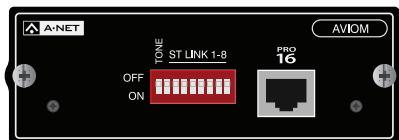
The MADI I/O card can establish a 64-channel MADI input and output link to a remote device such as stage rack, another console or Broadcast feed to an OB. The Dual Cat5 MADI card features a main and auxiliary interface available for a redundant link.



COBRANET™

Si COBRANET™ CARD

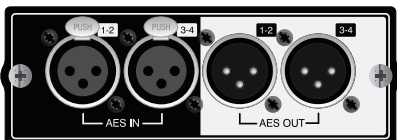
The CobraNet® card allows sending and receiving of up to 32 audio channels to/from a CobraNet® network. DIP switches on the card allow setting the number of input or output channels seen by the console. The card must be used as the Conductor for the network. By default, the card is configured for 32 outputs.



A-NET®

Si AVIOM A-NET® 16 CARD

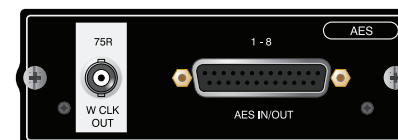
The AVIOM A-NET® 16 card allows the desk to digitally feed an Aviom A-Net® Pro-16 chain. With this standard, 16 mono signals can be fed to any number of Aviom personal mixers (such as the A-16 II), connected in a daisy chain configuration. The A-Net® card will be the start of the chain and provide the audio and synchronization data to the chain. DIP switches on the front panel allow grouping two adjacent channels to one stereo channel, and generating a test tone.



AES/EBU

Si AES/EBU CARD

The AES/EBU - Option 2 is an XLR-based card with 2 pairs of AES/EBU inputs and outputs (4-in/4-out).



AES/EBU D-TYPE

Si AES/EBU D-TYPE CARD

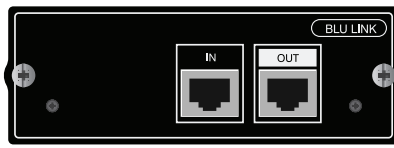
The AES/EBU - Option 1 is a D-Type connector based AES/EBU input/output card with 4 pairs of inputs outputs (8-in/8-out). A separate BNC connector for wordclock output is provided.



ROCKNET

Si ROCKNET CARD

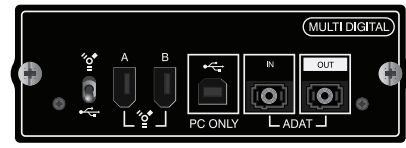
The Si RockNet card supports 32 inputs and 32 outputs to the RockNet system. The card enables the respective Soundcraft Si console to become a part of the RockNet digital audio network and enables remote control of any RockNet microphone pre-amplifier. This card is only available via the Riedel distribution network.



BLULINK

Si BLULINK CARD

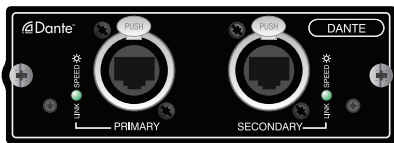
The Blu Link card provides up to 16 inputs and 16 outputs to/from a BSS Blu Link ring and can be used to interface to BSS London networked audio systems, or to the PMC Personal Monitoring Controller. The Si Blu Link card contains internal DIP switches that allow a block of 16 sequential channels from the total of 256 available to be addressed by the card. This is separately selectable for inputs and outputs.



MULTI DIGITAL

Si MULTI DIGITAL CARD

The Multi Digital card offers a 32x32 digital audio interface between an Si Series console and Mac® or PC enabled with USB or Firewire. The card runs at 48KHz and is compatible with any major DAW. In addition to the Firewire/USB ports, the Multi Digital card provides 8 further channels of ADAT in and out at 48KHz.



DANTE™

Si DANTE™ CARD

The Si Dante card allows 64 channels to be sent to/received from a Dante network. As well as providing audio exchange with other Dante-enabled equipment, the card also allows 64 channels of audio to be connected directly to a PC or Mac computer for recording or processing, by using a standard Ethernet connection. Routing and setup of the network is done using an external computer running Dante Controller software.



MADI-USB

Si MADI-USB COMBO CARD

The MADI-USB Combo Card provides a Cat5 MADI stream for use with Soundcraft stageboxes and other MADI devices as well as an ultra-low latency multi-channel USB interface for live and studio recording to DAWs and other recording systems. The 64x64 MADI-USB Combo Card comes configured to provide 32x32 channels via MADI and 32x32 channels via USB. More channels can be transported via MADI at the expense of the USB connection for a maximum of 64 MADI input/output paths.



SIGNATURE SERIES

MIX WITH GREAT BRITISH SOUND

Drawing on over 40 years experience in live sound mixing, the Signature Series combines a superb analogue control surface with the unrivalled British sound of Soundcraft in a powerful, compact, professionally spec'd mixer.

Available in 10, 12, 16 and 22-channel frame sizes, Signature Series mixers inherit technology from Soundcraft's professional consoles. Ghost® mic preamps deliver stunning audio fidelity and class-leading performance, with high headroom, wide dynamic range and superb signal to noise ratio, while Sapphire® EQ lends a uniquely musical quality.

The Lexicon® Effects Engine powers your mix with studio-grade Reverbs, Delays, Choruses and Modulations while Soundcraft GB® Series audio routing ensures maximum flexibility with pre/post switching on each Aux and subgroups with powerful routing and switching options as well as dedicated outputs.

Enabling simple playback and recording, Signature Series mixers are loaded with a 2-channel USB audio interface, ideal for playing music from a computer and capturing the stereo mix of a live performance or rehearsal.

MULTIPURPOSE SMALL-FORMAT ANALOGUE MIXING CONSOLE

- **Frame sizes: 10-channel with 6 mic preamps, 12-channel with 8 mic preamps, 16-channel with 12 mic preamps, 22-channel with 16 mic preamps**
- **Iconic Soundcraft Ghost® Mic Preamps with ultra-low noise performance**
- **Renowned Sapphire® British EQ with Sweepable Mid-Band(s) per Channel (3-band on 10 & 12, 4-band on 16 & 22)**
- **dbx® Limiters (High-ratio Compressors) on input channels**
- **Lexicon® Effects including Reverbs, Delays, Choruses and Modulations (2 Effects Engines on Signature 22)**
- **Switchable Hi-Z inputs for Guitars, Bass, and other instruments**
- **Hi-Pass Filters (low-cut) and 48V Phantom Power on all mic channels**
- **2-in/2-out USB playback and recording**
- **Comprehensive Soundcraft GB® series audio routing with pre/post aux busses, FX busses, subgroups with routing switches**
- **Premium-quality faders (60mm on 10/12-channel, 100mm on 16/22-channel)**
- **Robust metal construction for installation build quality and reliability**
- **Internal universal power supply**



SIGNATURE SERIES MULTI-TRACK EDITION

MIX AND RECORD WITH GREAT BRITISH SOUND

Drawing on over 40 years experience in live sound mixing and recording, the Signature Multitrack mixers bring together an ultra-low latency USB recording interface, a superb analogue mixer and the unrivalled British sound of Soundcraft.

Available in 12 and 22-channel frame sizes, Signature MTK mixers inherit technology from Soundcraft's professional consoles. Ghost® mic preamps deliver stunning audio fidelity and class-leading performance, with high headroom, wide dynamic range and superb signal to noise ratio, while Sapphyre® EQ lends a uniquely musical quality.

The Lexicon® Effects Engine powers your mix with studio-grade Reverbs, Delays, Choruses and Modulations while Soundcraft GB® Series audio routing ensures maximum flexibility with pre/post switching on each Aux and subgroups with powerful routing and switching options as well as dedicated outputs.

Primed for live or studio recording, Signature MTK mixers feature a superb low-latency USB recording/playback interface, capturing every channel for further mixdown and production sessions with a DAW.

USB RECORDING/PLAYBACK INTERFACE AND ANALOGUE MIXING CONSOLE

- Frame sizes: 12-channel with 8 mic preamps, 22-channel with 16 mic preamps
- Ultra-low latency multi-channel USB playback and recording interface
- Iconic Soundcraft Ghost® Mic Preamps with ultra-low noise performance
- Renowned Sapphyre® British EQ with Sweepable Mid-Band(s) per Channel (3-band EQ on 12 & 4-band EQ on 22)
- dbx® Limiters (High-ratio Compressors) on input channels
- Lexicon® Effects including Reverbs, Delays, Choruses and Modulations (2 Effects Engines on Signature 22 MTK)
- Switchable Hi-Z inputs for Guitars, Bass, and other instruments
- Hi-Pass Filters (low-cut) and 48V Phantom Power on all mic channels
- Comprehensive Soundcraft GB® series audio routing with pre/post aux busses, FX busses, subgroups with routing switches
- Includes Lexicon® MPX-L Reverb multi-format (VST/AU) plug-in for use with DAWs
- Premium-quality faders (60mm on 12-channel, 100mm on 22-channel)
- Robust metal construction for installation build quality and reliability
- Internal universal power supply



GB8

DUAL-MODE ANALOGUE LIVE SOUND MIXING CONSOLE

MIX FOH AND MONITORS

simultaneously

Available in frame sizes from 24 to 48 channels, each with four full-function stereo channels and four stereo returns, the GB8 is designed for installations such as churches and performance venues, or for small touring sound systems. Dual-mode topology allows the GB8 to be used on FOH or monitor duties, with fader control of group or aux outputs. Additional features include a 1kHz oscillator and a meter bridge with three led meters that very closely emulate the ballistics of VU meters.

Four mute groups allow several channels to be muted simultaneously, while another unique facility is the limiter on both the Record and Alternate stereo outputs that makes it easier to create a stereo recording of the mix. The console also features an output matrix with eleven feeds to four outputs, being fed from the group busses and main L, R and C (mono) outputs.

A rugged steel chassis has a sloping rear connector panel so that it is easier to configure from the front of the desk, while the integral power supply has a link option for an external back-up PSU. All input modules are constructed with individual vertically-mounted pcb's, fitted to the steel chassis front panel with individually-nutted potentiometers.

- 24, 32, 40 and 48 channel frame sizes
- GB30 mic preamp and precision equalisation circuitry
- 4 full feature stereo channels
- 4 stereo returns
- Direct outputs on every channel (pre/post selectable)
- 4 segment input meters on every channel
- 100mm faders
- Switchable 48V phantom powering on every channel
- 8 Aux sends
- 18dB/octave high pass filter
- 8 sub groups
- 4 mute groups
- 11x4 output matrix
- 12-segment LED metering
- Record output with limiter and alternate output
- VU meterpod
- Integral power supply, with an external power supply link option



GB4

DUAL-MODE ANALOGUE LIVE SOUND MIXING CONSOLE

MIX FOH AND MONITORS

simultaneously

Available in frame sizes from 16 to 48 channels, each with two full-function stereo channels and two stereo returns, the GB4 is designed for installations such as churches and performance venues, or for small touring sound systems. Dual-mode topology allows the GB4 to be used on FOH or monitor duties, with fader control of group or aux outputs.

Four mute groups allow several channels to be muted simultaneously, while another unique facility is the limiter on a set of dedicated record outputs that makes it easier to create a stereo recording of the mix. The console also features an output matrix with seven feeds to four outputs, being fed from the group busses and main L, R and C (mono) outputs.

A rugged steel chassis has a sloping rear connector panel so that it is easier to configure from the front of the desk, while the integral power supply has a link option for an external back-up PSU. All input modules are constructed with individual vertically-mounted pcb's, fitted to the steel chassis front panel with individually-nutted potentiometers.

- 16, 24, 32 and 40 channel frame sizes
- GB30 mic preamp and precision equalisation circuitry
- 2 full feature stereo channels
- 2 stereo returns
- Direct outputs on every channel (pre/post selectable)
- 4 segment input meters on every channel
- 100mm faders
- Switchable 48V phantom powering on every channel
- 8 Aux sends
- 18dB/octave high pass filter
- 4 sub groups
- 4 mute groups
- 7x4 output matrix
- 12-segment LED metering
- Record output with limiter
- Integral power supply, with an external power supply link option



GB2

ANALOGUE LIVE SOUND MIXING CONSOLE

SMALLER SCALE MIXING

without the compromises

The GB2 is the latest addition to the Soundcraft GB Series, featuring 4 group busses configured as 2 stereo subgroups and an integral 6 x 2 matrix. Intended for installed-sound and Audio-Visual applications that do not require the functionality provided by the GB4 or GB8, the GB2 is available in frame sizes of 16, 24 and 32 mono inputs, each with 2 stereo inputs as standard. Each input features the high-performance GB30 Mic Pre and GB30 Equaliser designs of the GB4 and GB8, along with 6 Aux buses.

Four subgroups are provided as two stereo pairs, with a unique facility for adjusting the width of the stereo signal across the stereo mix. The channel pan settings are retained on the group outputs, while the degree of stereo separation to the mix bus is independently adjustable from full stereo through to mono.

The GB2 also features two stereo input channels, with separate mic and line inputs. In normal use, the mic inputs are routed to the local channel and the line inputs act as a stereo return to the mix bus. Selecting the LINE input to the local channel overrides the Mic inputs.

- 16, 24 and 32 channel frame sizes
- Switchable 48V phantom powering on every channel
- 6 Aux sends
- 4 Sub groups (paired)
- 6 x 2 Output matrix
- GB30 mic preamps
- 4-band GB30 EQ
- Integral power supply, with an external power supply link option
- All metal TRS jacks and Neutrik XLRs
- Direct outputs on all mono input channels



GB2R

EASY TO INSTALL

easy to operate

This 19" rack-mountable mixer is designed specifically for smaller installations in churches and performance venues, or for small portable PA systems. Available in two variants, the GB2R offers either 16 mono inputs to a stereo mix output, or a 12.2 version with 12 mono inputs, two full-feature stereo inputs and 2 group busses, each model having 6 auxiliary sends. As always with Soundcraft consoles, emphasis has been placed on operational simplicity, clear and intuitive layout and the highest possible audio performance. The Soundcraft GB2R inherits both the GB30 Mic preamplifier and GB30 Equaliser designs from the GB4 and GB8.

For ease of installation, the connector section is contained in a rotatable pod, allowing cable access from the top of the mixer if sat on a table-top, or from the rear when mounted in a 19" rack. On the stereo inputs on the 12.2 model, connectors are provided for both Mic and Line inputs. With Mic signals routed to the local channel, the Line inputs are available as stereo returns to the main mix bus. Two stereo returns and a 2-track (for example CD replay) input are provided, which means that the GB2R-12.2 model can offer up to 26 inputs to mix in a mixer just 19" (485mm) wide. Every input has a pre/post switchable direct output for recording or effects sends, while an internal universal voltage PSU avoids external power supply connections.

RACK-MOUNTING ANALOGUE LIVE SOUND MIXING CONSOLE

- Rotatable rear connector panel for rack or desktop use
- 12/2 channel version with 12 mono inputs and 2 stereo inputs, stereo Sub Group Output, Mix and Mono Sum Outputs – total inputs to mix 26
- 16 channel version with 16 mono inputs, Stereo Mix and Mono Sum outputs – total inputs to mix 22
- 8 (GB2R 16) or 10 (GB2R 12/2) busses
- 2 stereo inputs (GB2R 12/2 only)
- GB30 mic preamp and precision equalisation circuitry
- 6 Aux Outputs
- Direct Outputs on every mono channel
- 100mm faders
- Switchable +48V phantom power on every mic input
- 100Hz high pass filter
- Internal switched mode power supply
- Record output

GB SERIES

Soundcraft
by HARMAN



LX7ii

ANALOGUE LIVE SOUND MIXING CONSOLE

MAXIMUM MIX POWER

in a medium sized console

The hugely successful and popular Soundcraft LX7 console has received an upgrade to the LX7ii — both in terms of audio specification and cosmetics.

Electronically, the LX7ii gains a new Soundcraft mic-preamp and EQ section, both designed by Soundcraft founder and electronics wizard Graham Blyth. Designated the GB30 Series, the new designs coincide with Soundcraft's 30 year anniversary and the new 4-band EQ with swept mid sections is based on the highly-acclaimed EQ in the Soundcraft touring consoles.

Other standard features of the LX7ii include frame sizes up to 32 mono inputs and four stereo inputs/returns with four groups, main stereo output and a dedicated mono output for centre clusters. There are direct outputs on the first 16 inputs suitable for multitrack recording, and six auxes for flexibility for effects and foldback. The LX7ii mixes to seven outputs – four subgroups, plus the main Left, Right and Centre (Mono) mix outputs.

Applications include live performance PA, installed systems in churches, theatres and any similar application where a compact sized console needs to provide a large number of inputs and maximum output capability. Both recording and live applications are easily satisfied by the LX7ii.

- 16, 24 and 32 channel frame sizes
- GB30 mic preamp and 4-band GB30 EQ
- 48V phantom power
- True 7-bus architecture
- Channel direct outputs
- Talkback facility
- Full-size 100mm faders
- Integral universal voltage, switched-mode PSU for light weight
- 100mm faders
- 4 subgroups



FX16ii

MULTIPURPOSE ANALOGUE MIXING CONSOLE
WITH BUILT-IN LEXICON FX

VERSATILE MIXING

with built-in effects

16 direct outputs and built-in effects helped make the original Spirit FX16 a huge hit in a wide range of applications. Now the FX16ii brings the concept up to date with the latest 24-bit, digital Lexicon® effects processor.

The FX16ii offers a combination of powerful live and recording features; each channel has a Direct Output which is individually switch-able pre or post fader to enable use with 16-track recording systems. The Lexicon effects work just as well in the live as well as the recording environment with a tap tempo function, 3 parameter controls, user effects settings store ability, effects clip LED and 32 powerful and editable effects to choose from.

The use of the latest PCB surface mount technology means that the Soundcraft FX16ii fits all of these features into a rugged, compact frame which can be optionally rack-mounted into a 10U space via Soundcraft FX16ii's rotating connector pod which allows cables to be connected conveniently behind the rack and save rack space.

- 26 inputs as standard
- 16 mono channels with UltraMic™ preamps
- 4 stereo returns
- 4-bus architecture with sub-group routable to mix
- 24-bit Lexicon effects processor
- Direct outputs individually switchable pre/post fade
- 100mm faders
- Inserts on all mono channels
- Inserts on stereo mix bus
- 3-band EQ with swept mid band on mono inputs
- 100Hz high-pass filter
- +48V phantom power
- 2 sub-group outputs
- Rack mountable with rotating rear panel (10U high)



FX16ii

Soundcraft
by HARMAN



EPM SERIES

MULTIPURPOSE SMALL-FORMAT
MIXING CONSOLE

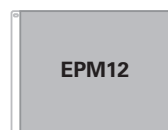
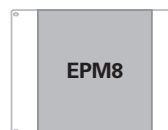
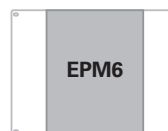
PRO-QUALITY MIXING

even in the smallest applications

The emphasis with the Soundcraft EPM is very firmly on quality build and audio performance, with an easy to understand control surface uncluttered by unnecessary facilities, and Soundcraft have brought new technologies and ideas to this very cost-effective range. Surface mount technology is used throughout, using close-tolerance components for high accuracy and repeatable settings for EQ and gain controls. The highly-transparent GB30 Mic amp (designed by Graham Blyth for the company's 30th anniversary, and also used on the larger LX7ii and GB Series consoles) features high-resolution adjustment over a wide gain range of 55dB, and provides a stunning +22dB headroom through the console. True professional 48-volt phantom power caters for condenser microphones of all types.

A unique feature of the signal monitoring is the PEAK led. This uses multipoint signal take-offs to watch for overload in several parts of the channel strip, and the led lights more brightly as the signal approaches the peak point. For smooth and accurate channel control, the EPM has 60mm high quality faders as used on other Soundcraft desks. The monitor output and headphone output work in parallel so that performers can still listen on phones while an engineer is listening on studio monitors.

- Frame sizes 6 mono + 2 stereo, 8 mono + 2 stereo and 12 mono + 2 stereo
- Precision GB30 mic preamps
- +48V phantom power
- 2 configurable auxiliary buses
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Aux send globally switchable pre or post fade
- 3- band EQ with swept mid band (mono inputs)
- 2- band EQ on stereo inputs
- Inserts on all mono inputs
- 10-segment LED output metering
- Headphone output
- Simple rack mounting options available (8U high)





EFX SERIES

SMALL-FORMAT MIXING

with studio-quality effects

The Soundcraft EFX™ Series combines all the features of the popular Soundcraft EPM™ mixer with a built-in 24-bit, digital Lexicon® effects processor, expanding the Soundcraft low-cost, multipurpose compact range. The Effects section fits neatly into the mixers compact framework which is available in 8 or 12 mono input variants, both with 2 stereo channels and an effects send on each channel. There are 32 effects to choose from with a tap tempo function, 3 effects parameter controls and a user effects setting store facility. An effects channel level clip LED and Mute function gives the user even more flexibility.

The emphasis with the Soundcraft EFX is very firmly on quality build and audio performance, with an easy to understand control surface. The Soundcraft EFX uses the highly-transparent GB30 Mic amp (designed by Graham Blyth) and also used on the larger LX7ii and GB Series professional consoles). The Soundcraft EFX also offers all the features of the Soundcraft EPM most notably a configurable aux send, XLR and ¼" metal jack connector sockets, RCA phono stereo playback inputs and record outputs, 3-band EQ with a swept mid on the mono inputs, 3-band EQ on the 2 stereo inputs, TRS insert sockets, inserts on all mono inputs, ten-segment LED output metering and a headphone output.

MULTIPURPOSE SMALL-FORMAT MIXING
CONSOLE WITH BUILT-IN LEXICON FX

- Frame sizes 8 mono + 2 stereo and 12 mono + 2 stereo
- Built-in Lexicon 24-bit effects
- Precision GB30 mic preamps
- +48V phantom power
- 1 configurable auxiliary bus
- 1 dedicated FX send
- XLR-type and 1/4" metal jack connector sockets
- 2-track playback inputs and record outputs
- Aux send globally switchable pre or post fade
- 3-band EQ with swept mid band (mono inputs)
- 3-band EQ on stereo inputs
- Inserts on all mono inputs
- 10-segment LED output metering
- Headphone output
- Simple rack mounting options available (8U high)



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SOUNDCRAFT **INFORMATION**

Soundcraft®
by HARMAN



BROADCAST SOUND MIXING CONSOLES

FULL LINE CATALOGUE 2015

STUDER
by HARMAN



Vista 1 MB.
32 fader console with
meter bridge.



VISTA 1

DIGITAL MIXING CONSOLE

ONE-BOX SOLUTION

when space is at a premium

With everything contained in the console, Vista 1 is the ideal choice when space is restricted, such as in OB and ENG vans, small broadcast studios, or for applications where the console needs to be moved with ease. Thanks to the patented Vistonics™ user interface, its look and feel is identical to that of its larger and more sophisticated sisters.

The 32-fader version offers 20 channel strips, optimised for input channel operation, and 12 additional versatile strips for operating output and input channels. By using the standard Vistonics screen and rotary controls, up to 52 outputs are under immediate control. A total of up to 96 channels can be accessed from the desk and laid out in any order. The 22-fader version is ideal for applications such as OB trucks where space is at a premium. An additional model, Vista 1 MB, features 22 faders and an integrated meter bridge.

Two Lexicon FX engines are built-in. Each engine can be configured as 4 Mono, 2 Stereo or one 2in/4out or 4in/4out Surround FX. Powerful channel and bus processing includes parametric EQ and dynamics on input channels and busses, with 30-band graphic equalisers also available on the busses. Mix formats include 2CH stereo, LCR, LCRS and 5.1. The internal 5.1-to-stereo downmix function allows for simultaneous live productions in both formats. The Vista 1 also includes Studer's world famous 'Virtual Surround Panning' (VSP™).

- 32 or 22 motorised faders
- Studer FaderGlow™ and Vistonics user interface
- 2 built-in Lexicon FX engines
- 96 DSP channels, including 5.1 surround channels
- True broadcast monitoring, talkback, red light control and eight general-purpose control inputs/outputs
- Input level and gain reduction LED bargraph meter in every fader strip
- 6 high-resolution VFD master level meters
- Full mix-minus (n-x) system for live two way operations
- Integrated jingle player from a USB memory stick
- Online/offline editor software
- Snapshot automation
- Support for the Studer® Vista Compact Remote Bay
- VistaMix automated microphone mixing
- Harman HiQnet® support broadcast/ newsroom automation systems
- Redundant PSU
- Standard I/O comprises
 - 32 high-quality mic/line inputs with phantom power and lowcut filter
 - 32 analogue line outputs
 - 8 stereo AES/EBU inputs and outputs
 - Desk operator headphone
 - Slots for additional D21m I/O cards
- System extendable using additional Studer D21m I/O frames and D21m I/O cards
- Studer's RELINK input/output sharing system with other Studer Vista and OnAir consoles
- Support for the whole Studer stagebox range via a MADI link, such as the 4U Studer Compact Stagebox



VISTA 5 M3

DIGITAL MIXING CONSOLE

FLEXIBLE MIXING

for live events and broadcast production

The Vista 5 M3 is a highly flexible, compact digital mixer for use in broadcast production, live sound and performance venues.

The 32-fader desk consists of 20 channel strips, optimised for input channel operation, and 12 additional versatile strips for operating input or output channels. By using the standard Vistonics screen and rotary controls, up to 52 outputs are under immediate control. A total of up to 240 channels can be accessed from the desk and laid out in any order, with the Vistonics system giving instant control over all related channel functions. DSP power and I/O are specified by the customer. The total I/O capacity, comprising various cards including mic/line, ADAT, TDIF, AES/EBU, SDI and MADI, may exceed 1700 inputs and outputs. The 42-fader version has an additional bay of 10 input faders which allows an operator to control 42 input channels simultaneously, but equally importantly allows true two person operation of the desk. The 22-fader version delivers Vista mixing power in applications such as OB trucks where space is at a premium, providing all the flexibility of the D21m I/O system.

Mix formats include 2CH stereo, LCR, LCRS and 5.1. The internal 5.1-to-stereo downmix function allows for simultaneous live productions in both formats. The Vista 1 also includes Studer's world famous 'Virtual Surround Panning' (VSP™). All models are available with or without the TFT meterbridge.

- 22,32 or 42 motorised faders
- Studer FaderGlow™ and Vistonics user interface
- Optional TFT configurable meterbridge
- > 200 DSP channels, including 5.1 surround channels
- True broadcast monitoring, talkback, red light control and eight general-purpose control inputs/outputs
- Input level and gain reduction LED bargraph meter in every fader strip
- Built-in configurable touch meter for loudness metering
- Full mix-minus (n-x) system for live two way operations
- Online/offline editor software
- Snapshot automation
- VistaMix automated microphone mixing
- Support for the Studer® Vista Compact Remote Bay
- Integration with popular broadcast automation systems (EMBER, etc.)
- I/O sharing using Studer RELINK
- Uses Studer SCore Live processing and D21m I/O system for multiple, customised configurations and extensive range of I/O cards



VISTA X

BROADCAST AUDIO MIXING SYSTEM

SETTING NEW STANDARDS

for broadcast system redundancy

Marking an enormous step forward in large-scale mixing console technology for broadcast applications, the Vista X, together with the Studer Infinity Core, delivers an unsurpassed user interface providing control of 800 or more audio DSP channels and more than 5,000 inputs and outputs.

Studer's acclaimed Vistonics™ user interface, FaderGlow™ status display and comprehensive metering (including Loudness) ensure smooth workflow and trouble-free live transmission, while features like VistaMix™ further enhance the operator experience with automated control of unscripted, multi-mic productions such as game shows.

Vista X exists for pain free live production, with dedicated controls for extensive snapshot filtering, buttons for talkback and user-programmable functions, configurable matrix busses, dedicated mute groups and stress free outside source management. Vista X also interfaces with all major DAW systems, bringing DAW integration to a new level and greatly enhancing the workflow.

Quad Star technology uses four processors to achieve aviation-standard levels of redundancy in the control surface while CPU-based DSP makes it viable to provide two completely independent DSP cores running in parallel with 'instant' change over.

- 32-, 42-, 52-, 62- and 72 fader versions
- Studer FaderGlow™ and Vistonics user interface
- Expanded control surface with extensive dedicated control functions
- Comprehensive channel and loudness metering
- Fully surround-capable with versatile panning and monitoring functionality
- Virtual Surround Panning to take mono sources and create a realistic sound field (stereo up to 7.1)
- Studer's acclaimed VistaMix automated microphone mixing algorithm
- Available in custom colours and finishes
- Uses Studer SCore Live processing and D21m/D23m I/O system for multiple, customised configurations and extensive range of I/O cards

INFINITY CORE



Big productions demand a lot of processing muscle. Available in 200, 400 and 800 channel versions, the new Studer Infinity Core delivers unprecedented capacity with superb sonic quality, and up to 5000 inputs and outputs.



VISTA V

COMPACT BROADCAST AUDIO MIXING SYSTEM

INFINITE POWER

in a scalable format

The new Studer Vista V console harnesses the Quad Star technology from the acclaimed Vista X to deliver a powerful, dependable and flexible broadcast audio mixing solution in a compact form factor for applications where space is at a premium.

Available as a 32-, 42- or 52-fader surface with or without the built-in meter bridge, Vista V is primed for critical production environments with aviation-standard levels of redundancy in the control surface and CPU-based DSP making it viable to provide two completely independent DSP cores running in parallel with 'instant' change over.

The Studer Vistonics™ and FaderGlow™ interface creates a uniquely intuitive and stress-free operator experience, while the Infinity Core provides unprecedented levels of CPU-based processing power, handling the largest productions with ease.

Designed to fit straight into existing facility infrastructure, Vista V features Ember and Pro-Bel protocol support for use with industry standard broadcast/newsroom automation systems while extensive connectivity allows integration into popular AoIP broadcast networks including Dante, Livewire, AES67, and more.

- 32-, 42 and 52-fader versions with optional built-in meter bridge
- Studer FaderGlow™ and Vistonics user interface
- Sophisticated built-in Dynamic Automation system with DAW remote control
- Ember and Pro-Bel protocol support for use with broadcast/newsroom automation systems
- Fully surround-capable with versatile panning and monitoring functionality
- Studer's acclaimed VistaMix automated microphone mixing algorithm
- Easy integration into popular AoIP broadcast networks including Dante, Livewire, AES67, etc.
- Uses Studer SCore Live processing and D21m/D23m I/O system for multiple, customised configurations and extensive range of I/O cards

INFINITY CORE



Big productions demand a lot of processing muscle. Available in 200, 400 and 800 channel versions, the new Studer Infinity Core delivers unprecedented capacity with superb sonic quality, and up to 5000 inputs and outputs.



COMPACT REMOTE

VISTA MIXING

from anywhere in the venue

The Vista Compact Remote Bay has been designed for users seeking a slave or secondary desk to work in parallel with their Vista console. Typical applications are theatre or live sound installations where it is desired to control the sound balance from the auditorium. It provides full control and monitoring functionality and can be used with all types of Vista consoles, including the all-in-one Vista 1, running software V4.9 and up. In addition it may also be used as a completely stand-alone controller for the Vista's DSP and I/O should the control surface not be available (SCore Live based systems only).

The new unit is foldable, similar to a laptop computer. It consists of a control surface section with 12 high-quality, motorised Penny&Giles faders, 40 channel rotary controls, a touch pad and a slide-in keyboard.

The 19" touch screen can be folded down, thus protecting both screen and control hardware during transport and, at the same time, considerably reducing the unit's size.

REMOTE MIXING BAY

- **MADI** (for monitoring signals)
- **3 x USB** (e.g. for a mouse or a memory stick)
- **RS422 port** (Pro-Bel control)
- **2 x Ethernet** (for connecting to the desk in on-line mode and to the second Bridge Card port for desk redundancy/DSP control)
- **WLAN antenna sockets**
- **7 x XLR** (5.1-channel monitoring and TB mic outputs)
- **1 x 1/4" headphone amp jack output**
- **Mains socket (80-240 VAC) with integrated switch**



VISTA FX

LEXICON FX AND BSS GRAPHIC EQ

SURROUND EFFECTS

with Vistonics™ control

Studer now offers Lexicon® high quality broadcast surround effects for the Vista™ console's range. FX are controlled through the widely acclaimed Vistonics™ user interface and connection to the console's DSP engine is made directly via two high-capacity multichannel HD Links.

One lightweight 2U chassis holds the equivalent of two Lexicon PCM96 Surround devices, with a minimum of operating elements. It offers the highest quality effects for eight mono, four stereo or two surround signals, combined with Studer Vistonics, the most user-friendly and intuitive control interface available.

Up to 3 Vista FX units can be cascaded over just one HD Link connection. Each unit has 2 engines and each engine can be configured either in QuadMono, DualStereo or one 2in/5Out or 5in/5out machine, giving a configuration total of maximum 24 individual controllable mono FX machines.

Vista FX parameters are completely integrated into the console snapshot system. The parameters can be copied/pasted between channels and into and out of the Clipboard Library. The FX unit parameters and the graphic EQ may also be operated from the Virtual Vista application. In External Mode, the desk signals are mixed to an AUX bus connected to a Vista FX input. The FX unit's output signal is then routed to a desk fader to add to the overall desk mix (typical FX return).

- Fully integrated optional FX for Vista consoles
- Legendary Lexicon PCM96 Surround FX
- Processes 8 independent mono, 4 stereo or 2 surround signals
- Direct integration with SCore Live for lowest possible latency
- Full Vistonics control
- Hundreds of presets with individual control over 16 effect parameters
- Up to 3 Vista FX units can be cascaded to create a maximum of 24 FX machines



COMPACT STAGEBOX

HIGH-DENSITY

I/O expansion

The Compact Stagebox adds a cost effective expansion option, offering a high density of I/O connections in only 4U of rack space. The modular unit is fully configurable but is offered with a standard configuration of 2 x HQ mic/line input modules, line output module, D21m MADI HD card and another empty D21m expansion slot.

The expansion slots for standard Studer D21m I/O cards may be used for interfaces connecting to most popular digital formats, including CobraNet®, Axia Livewire™, or Aviom A-Net® 16, Ethersound, MADI, ADAT, TDIF, SDI (SD/HD/3G), Dolby® E and Dolby® Digital.

The Compact Stagebox is connected to the host console using either Cat5/7 or Optical-fibre MADI, with redundant MADI capability. The unit comes complete with twin redundant power supplies, thermostatically-controlled fan cooling and full LED status monitoring. An 8-channel GPIO interface is also provided.

USER-CONFIGURABLE REMOTE I/O

Available I/O modules (optional):

- 16-channel HQ XLR Mic/Line In
- 8x2 AES/EBU Input and 8x2 AES/EBU Output
- 16-channel XLR Line Out
- 8-channel XLR Line Out + 4x2-channel AES/EBU Out
- Audinate Dante™ 64 In/Out on RJ45

Available D21m I/O expansion cards (optional):

- 4-channel D-type Mic/Line In with 4 Direct Outputs
- 8-channel D-type Line In
- 8-channel D-type Line Out
- *8-channel D-type AES/EBU In/Out
- *MADI (RJ45 or optical SC), max. 64 channels of I/O
- 16-channel ADAT In/Out (optical)
- *16-channel TDIF In/Out (D-type)
- 8 to 16-channel SDIF (SD/HD/3G) In or I/O on BNC sockets
- 8 or 16-channel Dolby® E/Digital In on BNC sockets
- CobraNet® 32-channel In/Out on RJ45 sockets
- Axia Livewire™ 8 stereo signals In/Out on RJ45 sockets
- Aviom A-Net® 16-channel Out on RJ45 sockets
- *Ethersound® 64-channel In/Out on RJ45 sockets

* Double-width cards



D21M I/O SYSTEMS

MAXIMUM FLEXIBILITY

meets Studer sound quality

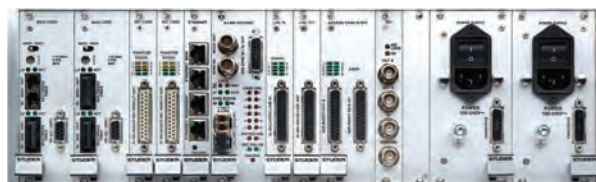
The D21m I/O system provides very cost-effective inputs and outputs with maximum flexibility while maintaining the well-known Studer sound quality, available in full 96 kHz operation. Different I/O modules can be plugged into a frame, providing I/O systems tailor-made to customer needs. And all this comes with an unequalled form factor. Full redundancy is available starting from power supplies going up to redundant interconnections and DSP cards.

When using the D21m I/O system the DSP core itself does not provide I/O, but is connected to the first D21m frame within the system (acting as a hub) by using Studer proven 'HD Link' technology. At the DSP core side, the connection is made directly to the DSP card(s). From that frame it is possible to run optical-fiber MADI links to multiple places, up to several kilometres away. A maximum of six remote I/O boxes (stage boxes) may be connected to one hub frame.

Should more I/O channels be required then multiples of the 'local frames' (hubs) may be used within the system.

CONFIGURABLE I/O SOLUTIONS

- Fully configurable I/O system
- Comprehensive range of I/O cards available
- Scalable to meet requirements
- 12 single width card slots per frame
- Redundant power supplies



D23M I/O SYSTEMS

HUGE CHANNEL COUNTS

with comprehensive I/O quality

Featuring an enhanced channel count architecture that allows customers of Vista X and Vista V digital consoles to transfer a huge number of channels, the D23m I/O system works seamlessly with Infinity Core and A-Link interface technology.

The audio between the mixing console or router system and the D23m connects via the A-Link interface. The A-Link HD card hosts a powerful processor to operate all required patching and may be used as the sync master to the system, or may be slaved to a variety of external synchronisation signals.

Because the D23m is fully compatible with D21m systems already in the field, all existing D21m I/O-cards are fully compatible and can be used in the D23m frame, protecting existing customer investments.

The D23m can host up to 12 I/O cards with a total of 1,536 inputs and 1,536 outputs, dependent of the I/O cards fitted.

The D23m I/O system comes with two A-Link ports and two hot-swappable power supplies (including secondary regulators) for secure, redundant operation. Status displays on the front panel indicate the status of the frame or the status of installed cards.

CONFIGURABLE I/O SOLUTIONS

- Fully configurable I/O system for huge channel counts
- Two A-Link ports
- 1,536 inputs and 1,536 outputs
- Internal 3072 x 3072 router
- Comprehensive range of I/O cards available
- 12 single width card slots per frame
- Redundant 'hot-swappable' power supplies



A949.0427

MIC/LINE IN CARD

Four analog microphone/line inputs, electronically balanced, with 24bit, 44.1/48/88.2/96kHz delta-sigma A/D converters. Four analog split outputs, electronically balanced. Mic/line sensitivity, gain setting in 1dB steps, hi-pass filter, soft clipping and 48 V phantom power on/off are controlled by the console software.



A949.0428

ANALOG INSERT CARD

This card is intended for use with a D21m/D23m Mic/Line In card (A949.0427) and features four electronically balanced analog inserts. The insert sends are always active, return on/off is controlled by the console software (default off). Insert sends and returns on standard 25-pin D-type connector (female).



A949.0447

HD MIC/LINE IN CARD

Four analog microphone/line inputs, transformer-balanced, with 24-bit, 44.1/48/88.2/96 kHz delta-sigma A/D converters. Four analog split outputs, electronically balanced. Mic/line sensitivity, gain setting in 1 dB steps, hi-pass filter, soft clipping and 48 V phantom power on/off are controlled by the console software. Inputs and split outputs on a standard 25-pin female D-type connector (female).

As opposed to the Mic/Line Input card A949.0427, the gain of the split outputs is always unity, i.e., 0 dB. This card does not support the Analog Insert Card A949.0428.



A949.0421

LINE IN CARD

Eight-channel line input card with 24-bit, 44.1/48/88.2/96kHz A/D Converter, delta-sigma conversion. Transformer-balanced inputs. 96kHz, 88.2kHz, 48 kHz, or 44.1 kHz operation. 7-26dBu input sensitivity. 'Signal present' LED indicator. Inputs on standard 25-pin female D-type connector.



A949.0420

LINE OUT CARD

Eight-channel, 24 bit line output card with 24-bit D/A converters with 96 kHz, 88.2 -kHz, 48 -kHz, or 44.1kHz operation. Electronically balanced outputs. 7...26 -dBu max. output level. Outputs on standard 25-pin female D-type connector.



A949.0422xx
A949.0423xx
A949.0424xx

AES/EBU M1 CARDS

AES/EBU input/output card with 16 Ch I/O, available in 3 different versions:

| | |
|-------------|-----------------------------------------------------|
| A949.0422xx | without SRCs (Sampling Rate Converters; Vista only) |
| A949.0423xx | with input SRCs only |
| A949.0424xx | with input & output SRCs (see adjacent picture). |

Selectable output sampling rates: 96 kHz, 48 kHz, 44.1 kHz, or external reference (22-108 kHz).



A949.0430, A949.0431, A949.0433

MADI I/O CARDS

The MADI I/O cards can establish a 64-channel MADI input and output to the D21m frame, with 44.1/48/88.2/96 kHz operation. Three different versions are available:

- A949.0430xx Optical / multi-mode fibre
- A949.0431xx Optical / single-mode fibre
- A949.0433xx Cat5e twisted-pair (+ additional word clock out).

Optical inputs and outputs are provided on SC connectors. The Cat5e version with RJ45 connectors for twisted-pair cable features an additional word clock output on a BNC socket. The auxiliary interface can be used as a redundant link or, in 96 kHz operation, to extend the number of channels from 32 back to 64.



A949.0425, A949.0429

ADAT I/O CARDS

These cards feature two optical eight-channel ADAT inputs and outputs with 44.1/48/88.2/96 kHz operation. Two versions are available:

- A949.0425xx Standard version for all-plastic fibre (APF)
- A949.0429xx Long-distance version for plastic-clad fibre (PCF; optional).

Optical inputs and outputs are provided on TosLink connectors available in APF (980/1000 µm all-plastic fibre) and PCF (200/300 µm plastic-clad fibre) versions. Channels limited to 8 in 96/88.2 kHz operation.



A949.0426

TDIF I/O CARD

This card provides two eight-channel TDIF I/O interfaces with 96 kHz, 88.2 kHz, 48 kHz, or 44.1 kHz operation with wordclock sync outputs on BNC connectors. Inputs and outputs are provided on standard 25-pin D-type female connectors.

In 96/88.2 kHz operation, the number of channels is limited to eight, i.e. four per I/O.



A949.0452

3G SDI INPUT CARD

The 3G/HD/SD SDI (serial digital interface) de-embedder card is able to handle video signals according to the 3G (full HD), HD and SD standards; both level A and B versions of 3G signals are supported. The card acts as an eight- or 16-channel embedder, i.e. an eight- or 16-channel audio input card.



A949.0457

3G SDI I/O CARD

The 3G/HD/SD SDI (serial digital interface) embedder/de-embedder card is able to handle video signals according to the 3G (full HD), HD and SD standards; both level A and B versions of 3G signals are supported. The card can act as an eight- or 16-channel embedder (output), an eight- or 16-channel (input), or any combination thereof. It can be an eight- or 16-channel audio input card, an eight- or 16-channel audio output card, or an eight- or 16-channel input/output card.



A949.0443, A949.0444

DOLBY® E/DIGITAL DECODER CARD

The D21m/D23m Dolby® E/Digital decoder card is available in 2 versions:

A949.0443xx with one, or
A949.0444xx with two Dolby® E decoder modules.

Each one is functionally similar to a Dolby® DP572 decoder. Both operate independently; the information given below is valid independently for both decoders as well.



A949.0445

COBRANET® CARD

This card allows sending and receiving up to 32 audio channels to/from a CobraNet®. DIP switches on the card allow setting the number of input or output channels seen by the console. Default setting is 32 output and no input channels.



A949.0446

AVIOM A-NET® CARD

This card allows implementing the head of an Aviom A-Net® Pro-16 chain. With this standard, 16 mono signals can be fed to an infinite number of Aviom personal mixers (such as the A-16 II) may be connected in a daisy chain configuration.

This card works at sampling rates of 44.1 or 48 kHz only. Card is supported by Vista only.


Details: www.digigram.com

ETHERSOUND® CARD

The EtherSound® card allows the connection of a D21m or D23m I/O System to an EtherSound® network. It acts in a similar manner to a MADI card combined with a GPIO card. The number of audio channels used can be configured with DIP switches. The included, virtual GPIO card allows routing a GPO of the mixing console to the GPO of a distant EtherSound® device on the network.



BNC - 5037475
Sub-D - 5037474

INTERCOM CARDS

This single-width I/O card is intended for intercom applications via a Studer D21m/D23m system. It allows embedding of the intercom audio and control signals into the standard digital multi-channel link (such as MADI) between Studer Vista or OnAir DSP cores and a remote stagebox. See flyer 5034584.


Details: www.riedel.com

RIEDEL ROCKNET® CARD

The RN.343.VI enables a Studer Vista console to become a part of the RockNet digital audio network and enables remote control of any RockNet microphone pre-amplifier. It fits into a console's SCore Live or D21m card expansion slot and gives access to 64 input and 64 output channels. A wordclock input is featured via the backplane connector, while a wordclock output is available at the front panel.

Card is supported by Vista only.



5014376

AXIA LIVEWIRE™ CARD

The Axia Livewire™ card is a single-slot unit accommodating two Livewire SIM modules. Each Livewire SIM module can send and receive up to eight stereo signals to and from the Livewire network. This Livewire audio clock may be used as clock reference for a Studer OnAir or Vista console, or, if required, the mixing console can be the Livewire clock master.

Details: www.bcd-audio.co.uk

BCD DTMF/GLITS/BLITS/ MINIMIXER CARDS

Three versions of this card are available, differing only by their firmware.

DTMF: This version is used to detect DTMF tone on up to 16 incoming lines and will generate 16 corresponding internal GPI signals when #1 is detected.

GLITS/BLITS: This version provides stereo and surround tone sequences according to EBU and UK standards. Tone generator level is adjustable between -24 and -9dBfs in one dB steps.

Minimixer: This version provides up to 32 small fixed mixes. These are useful for adding talkback, mono summing and similar.



A949.0435

GPIO CARD

For general-purpose input/output control signals, this card provides 16 electrically isolated opto-coupler inputs (5-12 VDC) and 16 open-collector outputs. 5V DC supply pins are available. Inputs and outputs on standard 25-pin female D-type connectors.



A949.0436

GPIO CARD WITH RELAY OUTPUTS

For general-purpose applications requiring total electrical isolation, this card provides 16 electrically isolated opto-coupler inputs with integrated current sink (5-24 VDC) and 16 electrically isolated outputs using SPST relay contacts. 5V DC supply pins are available. Inputs and outputs on standard 37-pin female D-type connectors.



A949.0412

HD CARD S **D21M ONLY**

The D21m HD card S provides the link to the OnAir DSP core systems. Each input and output can handle up to 96 channels in each supported sampling rate (in combination with the Performa core, the number of I/O channels is restricted to 48). The system clock used is taken from the host DSP system, so no extra synchronization is needed.



A949.0415

HD RS422 CARD

The D21m/D23m HD RS422 card provides the link to the Vista DSP core systems. Each input and output can handle up to 96 channels in each supported sampling rate (in combination with the Performa core, the number of I/O channels is restricted to 48). The system clock used is taken from the host DSP system, so no extra synchronization is needed.

A949.04113x,
A949.04133x,
A949.04143x

MADI HD CARDS

The D21m/D23m MADI HD card is plugged into an HD card slot in the remote I/O box and provides the link to the hub frame. 3 versions are available:

- A949.04113x Optical / multi-mode fibre version
- A949.04133x Optical / single-mode fibre version
- A949.04143x Twisted-pair version.

The two interfaces offer up to 64 audio channels with 44.1/48/88.2/96 kHz operation, together with embedded control and user-accessible serial connection in each direction.



A949.0437

SERIAL CARD

It is possible to transmit any RS422 serial signals, such as MIDI or Sony 9-pin (machine control) through a MADI connection without losing any audio channels or microphone control of the remote I/O box.



A949.0438

SERIAL MERGER CARD

This card is used to feed any Studer internal control signals into the hub I/O frame. A serial connection is made between the Studer product (such as a Vista or OnAir 3000 console) and the MASTER connector of the card.



A949.0439

SERIAL RJ45 CARD

It is possible to transmit any RS422 serial signals, such as MIDI or Sony 9-pin (machine control) through a MADI connection without losing any audio channels or microphone control of the remote I/O box.



A949.0440

DUAL MERGER CARD

This card is used to feed any Studer internal control signals into the hub I/O frame. A serial connection is made between the Studer product and the HOST connector of the card. In certain SCore applications the host port is connected internally through the backplane. The non-host ports may be used to connect other local I/O frames. OnAir 3000 desk modules connected to the RJ45 connectors may be supplied by the card.



5033340.V.

BLU LINK™ CARD

The D21m/D23m BLU Link card is a 32 x 32 interface between a Studer console or router and the Soundweb London digital audio bus, informally known as BLU Link. The card allows connection to a wide variety of Harman products equipped with a BLU Link interface, such as BSS London BLU 800, dbx® PMC or Crown® PIP-BLU interfaces amongst others.



5045044.V

DANTE™ CARD

The D21m/D23m Dante™ card is a 64 x 64 interface between a Studer console or router and any Dante™ compatible device from HARMAN or other 3rd party manufacturers. The D21m/D23m Dante™ card needs a double slot in the D21m or D23m frame. Dante™ provides a digital audio network that uses standard Internet Protocols over both 100 Mbps and 1 Gbps Ethernet. Dante™ uses audio independent, high accuracy network synchronization standards to ensure all Dante™ devices are synchronized at all times. Dante runs on standard computer networking hardware, and does not require dedicated network infrastructure.



5045304/5045305

DUAL/QUAD MADI CARD **D23M ONLY**

The D23m MADI I/O cards can establish a fully redundant dual or quad 64-channel MADI input and output link to the D23m frame or Vista1 (dual MADI only), with 44.1/48/88.2/96 kHz operation. Two different versions are available:

- 5045304-xx D23m Dual MADI (2 x 64 channel MADI links, cable redundant)
- 5045305-xx D23m Quad MADI (4 x 64 channel MADI links, cable redundant)

SFP modules are used for the front panel MADI interfaces, these hot pluggable devices are available in a variety of optical and electrical formats:

- 5050474 SFP optical, multi-mode, wavelength 1310nm, for 50/125 or 62.5/125µm fibre
- 5050475 SFP optical, single-mode, wavelength 1310nm, for 9/125µm fibre
- 5050481 SFP electrical, BNC 75Ω

MADI channel count to the D23m backplane may be set for all four interfaces in 8 channel steps individually from 8 channels to 64 channels. MADI outputs may be set to 56 channel mode for compatibility with legacy equipment. MADI inputs may be in either 64 or 56 channel mode.



ONAIR 1500

DIGITAL BROADCAST MIXING CONSOLE

THE HYBRID SOLUTION

for radio broadcasting and production

The OnAir 1500 – a 12-channel, 6-fader console (expandable to 12 faders), is designed as a flexible hybrid solution for radio broadcasting and production. It's ideal for studios needing an additional professional grade fader unit and additional I/O or a compact and cost effective mixing console for a production room or studio. Integrated USB playback and record functions make the OnAir 1500 a very compact yet complete mixer.

With simple point-to-point connectivity, the OnAir 1500 can be easily moved around as a backup or secondary unit, with a recommended maximum distance of 60 m away from its core when connected via high-quality Cat5 cabling.

Flexibility is increased with addition of the 6-fader extension bay, creating either a 12 fader surface, or 6 faders can be remotely placed in a producer's bay or used as a redundant surface. The system can bridge the gap between on-air and production needs, offering an all inclusive design of features and function to improve ease and efficiency of executing great programming in either setting, all of the time.

- 12-channel, 6-fader console with Studer NANO SCORE DSP and I/O Engine, 100 mm faders
- 6-fader add-on expansion module, 100mm faders
- Super slim design for ergonomic table top installation
- Flush-mount and 19" rack-mount options available
- Full channel processing, including four-band EQ, compressor, limiter, expander, gate and de-esser
- Comprehensive monitoring and talkback with unique headphone split mode and internal speaker
- OLEDs (Organic LED) in fader strips and central module provide clearest displays
- Ergonomic, easy-to-learn Touch 'n' Action™ user interface
- USB jingle playback and bus recording facilities
- I/O Expansion through standard Studer D21m card slots
- Complete integration with Radio Automation Systems, Studer's Call Management System, and RELINK our I/O sharing technology
- Advanced timer functionality
- Standard I/O:
 - Inputs: 16 Mic/Line, 4 stereo AES (with SRC), D21m card slot, USB
 - Outputs: 16 Line Out, 4 stereo AES, D21m card slot, USB
 - Control: 8 x GPI, 8 x GPO, Ethernet
 - Busses: 1 stereo PGM, 1 stereo RECORD, 1 stereo PFL, 4 N-1 busses (AUX), 1 Audition, CR and ST monitoring (stereo)



ONAIR 2500

DIGITAL BROADCAST MIXING CONSOLE

RADIO BROADCASTING

made easy

The OnAir 2500 digital all-in-one console utilises the well-established software technology derived from the highly acclaimed OnAir 3000 console to deliver a new standard in ease-of-use for Radio Broadcast. A totally self-contained system, the control surface, I/O breakout, DSP Core and power supply are all integrated within a single compact chassis.

The fader strips include a graphical OLED screen, which contains a channel label, level and gain reduction meter and parameter readouts, adjustable via a rotary encoder and two push buttons below the display. The large TFT colour touch screen uses Studer's patented Touch'n' Action system, where only the most important functions have hardware control elements in the channel strip making the operation of the console very simple and stress-free.

The OnAir 2500 provides the user with a large number of inputs and outputs in many standard signal formats. As well as interfaces on XLR and SUB-D outlets (microphone inputs, headphone outputs, line and AES I/Os), the internal audio system also offers interfaces to digital multichannel formats such as MADI, ADAT and IEEE-1394 Firewire. Integration with Studer's Call Management System (CMS) is seamless, and the OnAir 2500 can also support I/O Sharing via Studer's RELINK technology.

- Three standard configurations available – with 12, 18 and 24 faders
- Motorised fader option
- Single box solution incorporating control surface, DSP core, PSU and I/O in a single chassis
- OLED in every channel strip for comprehensive visual display
- Large TFT colour touch screen using Studer's Touch'n' Action™ user interface
- Full integration with Studer's Call Management System (CMS)
- Integration of Radio Automation Systems easily accomplished using the Monitors protocol via serial interface or TCP/IP
- Large number of inputs and outputs in many standard signal formats
- Interfaces on XLR and SUB-D outlets (microphone inputs, headphone outputs, line and AES I/Os)
- Internal audio system also offers interfaces to digital multichannel formats such as MADI, ADAT and IEEE-1394 Firewire
- Can support I/O Sharing via Studer's RELINK technology



ONAIR 2500 MODULO

MODULAR DIGITAL BROADCAST MIXING
CONSOLE

ONAIR 2500 MIXING

in a modular format

As its name implies, the OnAir 2500 Modulo is a modular version of the successful OnAir 2500 Broadcast console for installation in custom studio furniture.

The OnAir 2500 Modulo has separate modules for fader bays and master section, along with a rack-mountable mainframe which houses the power supply and host processing. These modules can be recessed into a desktop for a clean installation with all cables integrated within the furniture and the mainframe hidden appropriately.

- Modular version of the OnAir 2500 for installation in custom studio furniture
- Three standard configurations available – with 12, 18 and 24 faders
- Motorised fader option
- Separate modules for fader bays and master section, with a rack-mountable mainframe housing power supply and host processing
- OLED in every channel strip for comprehensive visual display
- Large TFT colour touch screen using Studer's Touch'n' Action™ user interface
- Full integration with Studer's Call Management System (CMS)
- Integration of Radio Automation Systems easily accomplished using the Monitors protocol via serial interface or TCP/IP
- Large number of inputs and outputs in many standard signal formats
- Interfaces on XLR and SUB-D outlets (microphone inputs, headphone outputs, line and AES I/Os)
- Internal audio system also offers interfaces to digital multichannel formats such as MADI, ADAT and IEEE-1394 Firewire
- Can support I/O Sharing via Studer's RELINK technology



ONAIR 3000

DIGITAL BROADCAST MIXING CONSOLE

TOUCH'N'ACTION CONTROL

lets you concentrate on the broadcasting

The Studer OnAir 3000 extends Studer's range of digital broadcast consoles with a design aimed at the medium to upper segment of the radio market including private and public network broadcast stations. The operating concept of the OnAir 3000 will be totally familiar to Studer users, as the wide range of compact and elegant control surface modules incorporates the same patented "Touch'n'Action" philosophy as the highly successful predecessor, the Studer OnAir 2000, using colour GUI screens.

The OnAir 3000 design is based on a completely modular desk and a new DSP engine. The fader module includes six fader strips, and up to eight fader modules may be fitted, giving a maximum console size of 48 channel faders. Layout options range from a highly comprehensive engineer-operated continuity console to a single fader panel for DJ and newsroom use or even a PC-operated system with no physical desk controls. Motorised faders, and full surround audio management are among the options available.

For larger networks, with multiple types of Studer consoles (Vista, OnAir 2500, for example), Studer RELINK (Resource Linking) offers a comprehensive and flexible I/O sharing system that is easy to install and operate.

- Ergonomic, easy to learn Touch'n'Action user interface
- Completely modular and configurable desk surface
- Immediate system overview and fast parameter access via colour fader screens
- From 3 to 48 channel faders, standard or motorised (option)
- Based on the latest powerful Compact SCore or SCore Live DSP engine and D21m I/O system
- Programmable user authorization system
- Extensive monitoring and talkback system
- Share I/O with other Studer OnAir and Vista consoles using Studer RELINK.
- Complete integration with radio playout systems
- Integrated with Studer CMS Call Management System



ONAIR 3000 MODULO

MODULAR DIGITAL BROADCAST MIXING
CONSOLE

ONAIR 3000 MIXING

in a modular format

As its name implies, the OnAir 3000 Modulo is a modular version of the successful OnAir 3000 Broadcast console for installation in custom studio furniture.

The OnAir 3000 Modulo has separate modules for fader bays and master section, along with a rack-mountable mainframe which houses the power supply and host processing. These modules can be recessed into a desktop for a clean installation with all cables integrated within the furniture and the mainframe hidden appropriately.

- Modular version of the OnAir 3000 for installation in custom studio furniture
- Ergonomic, easy to learn Touch'n'Action user interface
- Completely modular and configurable desk surface
- Immediate system overview and fast parameter access via colour fader screens
- From 3 to 48 channel faders, standard or motorised (option)
- Based on the latest powerful Compact SCore or SCore Live DSP engine and D21m I/O system
- Programmable user authorization system
- Extensive monitoring and talkback system
- Share I/O with other Studer OnAir and Vista consoles with Studer RELINK.
- Complete integration with radio playout systems
- Integrated with Studer CMS Call Management System

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Products Index

Page 418

Products Index

PRODUCT PAGE

| | |
|----------------------------------|-------------------|
| Sound GrabberII | 96 |
| C562 CM | 97 |
| PZM10 | 97 |
| PZM11 | 97 |
| PZM11 LL WR. | 97 |
| Head-worn microphones. | 98 |
| C417 | 100 |
| CK77 WR. | 100 |
| CK97 | 100 |
| CK99 L | 100 |
| D58 E | 101 |
| DGN99 | 101 |
| DST99 S | 101 |
| Automatic Microphone Mixer. | 102 |
| DMM12 BC | 102 |
| DMM12 | 103 |
| DMM6 | 103 |
| CS5 | 104 |
| CS5 BU | 104 |
| CS5 DU | 105 |
| CS5 VU | 105 |
| CS5 IU | 106 |
| CS5 MF Frame | 108 |
| CC V3 | 108, 117 |
| K15 | 74, 109, 113, 117 |
| HSC15 | 77, 109, 117 |
| CSX BIR10 | 110 |
| CSX IRS10 | 110 |
| CSX CU50 | 111 |
| CSX IRR10 | 111 |
| CSX IRT3 | 112 |
| CSX IRT4 | 112 |
| CS3 | 114 |
| CS3 BU | 114 |
| CS3 CU | 115 |
| CS3 DU | 115 |
| CS3 TC | 116 |
| CS321 | 116 |
| CS521 | 116 |

AMX

| | |
|----------------------------|---------|
| MODERO | 120-123 |
| MASSIO | 125 |
| Lighting with LUTRON | 126 |
| ENZO | 127 |
| ENOVA DVX | 128-129 |
| HYDRAPORT | 130-131 |
| NETLINX | 132 |
| ICSLAN | 133 |

PRODUCT PAGE

| | |
|------------------------------------|---------|
| SOLECIS | 133 |
| ENOVA DGX | 134-135 |
| DXLINK | 136-137 |
| EPICA/OCTAIRE | 138 |
| PRECIS/ALERO | 139 |
| RESOURCE MANAGEMENT SUITE | 140-141 |
| INSPIRED SIGNAGE | 142 |
| NETWORK MEDIA | 143 |
| RAPID PROJECT MAKER | 144 |

BSS

| | |
|------------------------------|---------|
| Soundweb™ London | 150-155 |
| Soundweb™ Contrio | 156 |
| Input/Output Cards | 157 |
| Wall Controllers | 158-160 |
| BSS Accessories | 161-162 |
| Miscellaneous Products | 163 |

CROWN

Installed sound

| | |
|------------------------------------|-----|
| DriveCore™ Install Series | 172 |
| DriveCore™ Install ND Series | 173 |
| ComTech DriveCore™ Series | 174 |
| CTs Series | 175 |
| CTs Multi-Channel Series | 176 |
| PIP Cards | 177 |
| CDi Series | 178 |
| XLC Series | 179 |

Commercial sound

| | |
|------------------------------|-----|
| Commercial Mixers | 180 |
| Commercial Mixers-Amps | 181 |
| Commercial Amplifiers | 182 |

Portable PA

| | |
|-----------------------------|-----|
| XLS DriveCore™ Series | 183 |
| XTi 2 Series | 184 |
| USBX | 185 |
| XLi Series | 186 |

Tour sound

| | |
|---------------------------|-----|
| VRack System | 187 |
| I-Tech 4x3500HD | 188 |
| I-Tech HD Series | 189 |
| Macro-Tech i Series | 190 |

PRODUCT PAGE

Cinema sound

| | |
|---------------------------------|-----|
| DriveCore™ Install series | 191 |
| DSi Series | 192 |
| DSi-8M | 193 |
| XLC Series | 194 |
| CXM2000 | 195 |

dbx

DriveRack®

| | |
|-------------------------|-----|
| DriveRack PA2 | 200 |
| DriveRack 4820 | 200 |
| DriveRack Venu360 | 200 |
| DriveRack 260 | 201 |
| DriveRack 220i | 201 |
| DriveRack PA+ | 201 |

ZonePRO™

| | |
|--------------------------------|---------|
| ZonePRO 1260 (m) | 202 |
| ZonePRO 1261 (m) | 202 |
| ZonePRO 640 (m) | 202 |
| ZonePRO 641 (m) | 203 |
| ZonePRO Zone Controllers | 203-204 |

Dynamics

| | |
|----------------------------------|-----|
| 1066 / 1046 / 1074 / 266xs | 205 |
| 160A / 166xs | 206 |

Mic Preamps

| | |
|-----------------|-----|
| 386 / 376 | 206 |
| 676 | 207 |

EQs

| | |
|---------------------------------|-----|
| 131s / 215s / 231s / 1215 | 208 |
| 1231 / 2215 / 2231 / 2031 | 209 |
| iEQ-15 / iEQ-31 | 210 |

Personal Monitor

Solutions

| | |
|----------------------|-----|
| TR1616 / PMC16 | 210 |
|----------------------|-----|

Premium Direct Boxes

| | |
|-------------------|-----|
| dB10 / dB12 | 211 |
|-------------------|-----|

Crossovers

| | |
|-----------------------------------|-----|
| 223s / 223xs / 234s / 234xs | 211 |
|-----------------------------------|-----|

Problem Solvers

| | |
|-----------|-----|
| PS6 | 211 |
|-----------|-----|

PRODUCT PAGE

| | |
|---------------------------|-----|
| AFS 2 | 212 |
| 120A / 286s / PB-48 | 213 |

JBL Pro

| | |
|-------------------------------------------------------|-----|
| EON 600 Series | 226 |
| EON 206P | 228 |
| PRX700 Series | 229 |
| JRX200 Series | 232 |
| PRX400 Series | 233 |
| STX800 Series | 234 |
| VRX900 Series | 236 |
| VTX Series | 238 |
| VTX F Series | 240 |
| Vertec Series | 242 |
| VP Series | 248 |
| Marquis Dance Club Series | 250 |
| VLA Series | 253 |
| PD700 Series | 254 |
| PD6000 Series | 255 |
| Application Engineered Series | 256 |
| Application Engineered Series Compact Models | 261 |
| CWT Series | 262 |
| AE All Weather Compact Series | 263 |
| AWC Series | 265 |
| CBT Series | 266 |
| Control 60 Series | 268 |
| Control 50 Series | 269 |
| Control Contractor Series | 270 |
| Control 300 Series | 273 |
| Control 200 Series | 274 |
| Control 40 Series | 275 |
| Control 20 Series | 276 |
| Control 10 Series | 277 |
| 8100 Series | 278 |
| Commercial Solutions Series | 279 |
| INTELLIVOX | 280 |
| M2 Master Reference Monitor | 283 |
| 7 Series | 284 |
| LSR 6300 Series | 285 |
| LSR 4300 Series | 286 |
| 3 Series | 287 |
| Control Monitors | 288 |
| ScreenArray Series | 289 |
| JBL Standard Cinema Systems | 292 |
| Cinema Surround Systems | 293 |
| Subwoofers | 295 |

Products Index

PRODUCTPAGE

| | |
|---------------------------------------------------------|-----|
| Cone Transducers & Compression Drivers | 296 |
| Horns & Accessories | 297 |
| Subwoofer Line | 298 |
| Midbass Line | 299 |
| Woofer Line | 301 |
| Compression Driver | 304 |
| Horn Line | 306 |
| Super Tweeter Line | 308 |

JBL Commercial

| | |
|----------------------------------------------|-----|
| CS Mixer-Amplifiers | 315 |
| CS Amplifiers | 316 |
| CS Mixers | 318 |
| JBL Ceiling Loudspeakers | 320 |
| JBL Indoor/Outdoor Loudspeakers | 322 |
| JBL Pendant Loudspeakers | 322 |
| JBL Loudspeakers Accessories | 322 |
| Paging Microphones | 324 |
| Wireless Microphones Sets | 325 |
| Hardwired Microphones | 325 |
| Wall Controllers | 326 |

LEXICON

PCM Processors

| | |
|----------------------|-----|
| PCM96 Surround | 330 |
| PCM96/PCM92 | 331 |

MX Processors

| | |
|---------------------|-----|
| MX400/MX400XL | 332 |
| MX300/ MX200 | 332 |

I•O Series

| | |
|--------------------|-----|
| I•O 22/42/82 | 333 |
| I•O FW810S | 333 |

Desktop Recording Studios

| | |
|--------------|-----|
| Alpha | 334 |
| Lambda | 334 |
| Omega | 334 |

Lexicon Plugins

| | |
|------------------|-----|
| MPX Native | 335 |
| LXP Native | 335 |

PRODUCTPAGE

| | |
|-------------------------------|-----|
| PCM Total Plugin Bundle | 335 |
|-------------------------------|-----|

MARTIN

| | |
|--------------------------------|-----|
| Mac Quantum Profile™ | 345 |
| Mac Quantum Wash™ | 346 |
| Mac 101™ | 346 |
| Mac Aura™ | 346 |
| Mac Aura XB™ | 346 |
| Mac 350 Entour™ | 347 |
| Mac Viper Profile™ | 347 |
| Mac Viper Performance™ | 347 |
| Mac Viper AirFX™ | 347 |
| Mac Viper Beam™ | 348 |
| Mac Viper Wash DX™ | 348 |
| Mac Viper Quadray™ | 348 |
| Atomic 3000 DMX™ | 348 |
| M6™ | 349 |
| M1™ | 350 |
| M2GO™ | 350 |
| M2PC™ | 350 |
| Martin M-Touch | 350 |
| Martin ShowDesigner™ | 351 |
| LightJockey 2™ | 351 |
| Martin M-PC™ | 351 |
| Martin RDM 5.5 Splitter™ | 352 |
| Martin RDM 5.3 Splitter™ | 352 |
| Ether2DMX8™ | 352 |
| Martin M-DMX | 352 |
| VDO Fenix 6™ | 353 |
| VDO Sceptron™ Family | 353 |
| Exterior PixLine™ Family | 353 |
| Tripix 300™ / 1200™ | 353 |
| VC-Grid™ Family | 354 |
| VC-Strip™ Family | 354 |
| VC-Feeder™ | 354 |
| VC-Dot 1™ | 355 |
| VC-Dot 4™ | 355 |
| VC-Dot 9™ | 355 |
| P3-PC™ | 355 |
| P3-100™ | 356 |
| P3-200™ | 356 |
| P3-300™ | 356 |
| P3 PowerPort 1500™ | 356 |
| Exterior 400 IP™ | 357 |
| Exterior 50 IP68™ | 357 |
| Exterior 100 IP68™ | 357 |
| Tripix Wash™ | 357 |
| Exterior 400™ | 358 |

PRODUCTPAGE

| | |
|-------------------------------|-----|
| Exterior 410™ | 358 |
| Exterior 420™ | 358 |
| Exterior 430™ | 358 |
| Jem Ready 365 Hazer™ | 359 |
| Magnum 1200™ | 360 |
| Magnum 1800™ | 360 |
| Magnum 2500 Hz™ | 360 |
| Magnum 2000™ | 360 |
| Magnum Club Smoke™ | 361 |
| Jem AF-1 MkII™ | 361 |
| Jem AF-2™ | 361 |
| Jem Glaciator X-Stream™ | 361 |
| Jem Hydra™ | 362 |
| Jem Compact Hazer Pro™ | 362 |
| Jem Ready 365 Hazer™ | 362 |
| Jem Roadie Compact™ | 363 |
| Jem Roadie X-Stream™ | 363 |
| Jem ZR44 Hi-Mass™ | 363 |
| Rush MH 1 Profile Plus™ | 364 |
| Rush MH 3 Beam™ | 365 |
| Rush MH 2 Wash™ | 365 |
| Rush MH 4 Beam™ | 365 |
| Rush MH 5 Profile™ | 365 |
| Rush PAR 1 RGBW™ | 366 |
| Rush Pin 1 CW™ | 366 |
| Rush PAR 2 RGBW Zoom™ | 366 |
| Rush DC 1 Aqua™ | 366 |
| Rush Strobe 1 5x5™ | 367 |
| Rush Wizard™ | 367 |
| Rush Multi-beam 2™ | 367 |
| Rush Gobo Projector 1™ | 367 |

SOUNDCRAFT

| | |
|-------------------------|---------|
| Vi6 | 370 |
| Vi4 | 371 |
| Vi2 | 372 |
| Vi1 | 373 |
| Vi3000 | 374 |
| Realtime Rack | 375 |
| Si Performer | 376 |
| Si Expression | 377 |
| ViSi Remote | 378 |
| Compact Stagebox | 379 |
| Mini Stagebox 16R | 379 |
| Mini Stagebox 32R | 379 |
| Vi Stagebox | 379 |
| Vi Cards | 380-381 |
| Si Cards | 382-383 |

PRODUCTPAGE

| | |
|------------------------------------|-----|
| Signature Series | 384 |
| Signature Series Multi-Track | 385 |
| GB8 | 386 |
| GB4 | 387 |
| GB2 | 388 |
| GB2R | 389 |
| LX7ii | 390 |
| FX16ii | 391 |
| EPM Series | 392 |
| EFX Series | 393 |

STUDER

| | |
|-------------------------|---------|
| Vista 1 | 396 |
| Vista 5 M3 | 397 |
| Vista X | 398 |
| Vista V | 399 |
| Compact Remote | 400 |
| Vista FX | 401 |
| Compact Stagebox | 402 |
| D21m I/O Systems | 403 |
| D21m I/O Cards | 404-410 |
| OnAir 1500 | 411 |
| OnAir 2500 | 412 |
| OnAir 2500 Modulo | 413 |
| OnAir 3000 | 414 |
| OnAir 3000 Modulo | 415 |

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