

ROUTE 6000

Audio Routing to the max

Studer broadcast consoles are well known for having a high I/O capacity with simple routing capabilities. Based on the same platform, the new highly sophisticated Route 6000 will even go one better: resting upon a high-efficiency Score Live DSP core and a comprehensive D21m I/O system, the Route 6000 system can accommodate up to 1728x 1728 inputs and outputs.

The main DSP Core is highly suited to space-conscious installations. Equipped with an internal D21m I/O system with up to 192 inputs and outputs, it takes up only 6U of rack space, while multiple cores are simply interconnected by using CAT5 tie lines (96 channels per tie line, no need for an I/O system).



Being based on these proven platforms means that Studer offers a highly scalable system, allowing the choice of DSP size and I/O capacity needed for a specific system, which can be easily expanded at a later date.

The DSP core allows the insertion of assignable audio processes consisting of compressors, limiters, panning, stereo-mono summing, de-essing, etc.



The D21m I/O system can be configured with up to 1728x 1728 inputs and outputs arranged with a maximum of 18 D21m Hubs and up to 45 MADI Stage Boxes.

Since the system is fully modular, there is a wide variety of input and output formats (Mic, Line, AES/EBU, MADI, ADAT, TDIF, SDI and Dolby®E), which can be combined and keep the system scalable for future extensions.

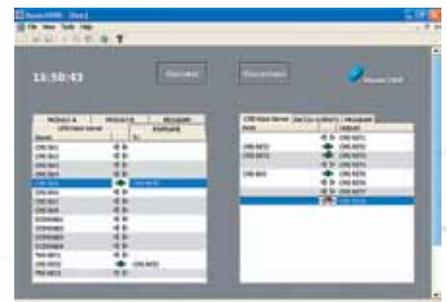
Multiple redundancy options for failsafe operation, including DSP and host cards as well as all I/O cards and power supplies, are available. There are also full redundancy solutions which are based on 2 networked cores.



The Route 6000 is fully integrated with all Studer DNET products. It therefore supports networking, I/O sharing, unique resource handling (e.g. mic inputs), codec management, central LogScreen, remote configuration, 2wire/4wire routing, etc. Even two step I/O sharing with control parameters is possible (e.g. Mic gain control, fader start, red-light etc.).

Open interface protocols are provided to control the router through most major router control systems (RS422 and TCP/IP). Therefore sophisticated control systems supporting different hard- or software panels as well as scheduler, GPIO etc. can easily control the Route 6000.

Studer's proprietary DNET protocol makes all parameters of all systems available within the TCP/IP network. Therefore even the graphical configuration tool and the graphical user interface of the OnAir 3000 can be used to configure / control the router.



Furthermore a specific Studer graphical router controller, the Route 1000 is available. It speaks DNET, too! Therefore remote access from any point within the network is granted. It is also possible to switch the controlled routing system.

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