

Studer D2Im I/O System

Adding Studer Sound across your facility

Previously only available for Studer digital mixing consoles, the renowned Studer sound of the D2Im I/O system is now opened up for use with any audio equipment. With the introduction of the D2Im Remote Control Software, Studer makes its microphone preamplifiers and A/D converters with their extensive dynamic range of 150 dB available to a wide range of applications such as recording, broadcast and live sound.

A D2Im I/O rack can be connected to any 3rd party device using its optical MADI interface. The Studer Remote Control Software runs on a PC, connected to the I/O rack over an additional RS422 serial connection. This software may even run at the same time as certain workstation software.

The I/O rack itself is highly modular, and it is possible to choose from a variety of I/O cards. Thanks to two MADI interfaces the D2Im I/O keeps its channel count high even in 96 kHz mode. This makes this product ideal for any use with a Digital Audio Workstation. In 48 kHz mode the second MADI interface serves as a digital split output for feeding any additional audio device or as redundant audio link.

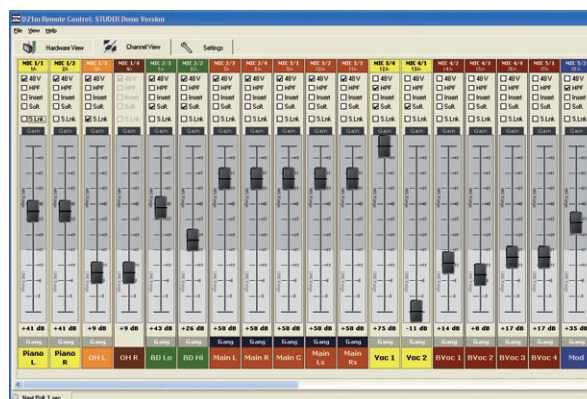
In facilities containing Studer Vista consoles, the investment is broadened by the extreme versatility of the D2Im stage boxes. One day they can be used on stage, connected to the Studer console and the next day in the recording studio in order to bring superb audio quality to lower-cost recording equipment.

The Studer D2Im Remote Control Software

The control software is an application running under Microsoft Windows XP on any regular PC with an RS422 serial port. The software automatically detects the connected hardware and allows control over the microphone preamplifiers:

- 48 V phantom power
- 75 Hz high pass filter
- Softclip
- Analogue insert
- Input level between -60 dBu and +26 dBu
- Label and color coding of microphone inputs
- Stereo-Linking of two subsequent channels

These parameters may be stored and recalled using snapshot files. Spare inputs may be hidden from the screen view while used ones can be arranged in any order. The speed of operation is maximized by the ability to group inputs in a Vista-like way (“ganging”).



Available D2Im I/O cards (Overview)

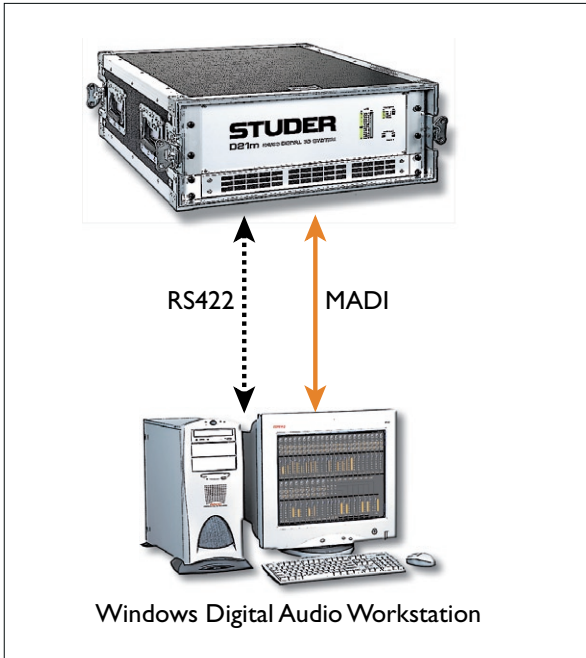
- 4-channel microphone preamplifier with A/D converters: electronically balanced inputs, analog split outputs
- 4 channels of analogue inserts for use with microphone input card
- 8-channel line in
- 8-channel line out
- 8 input & 8 output AES/EBU with optional sample rate converters on input and outputs
- 16-channel ADAT
- 16-channel TDIF

MADI Interface

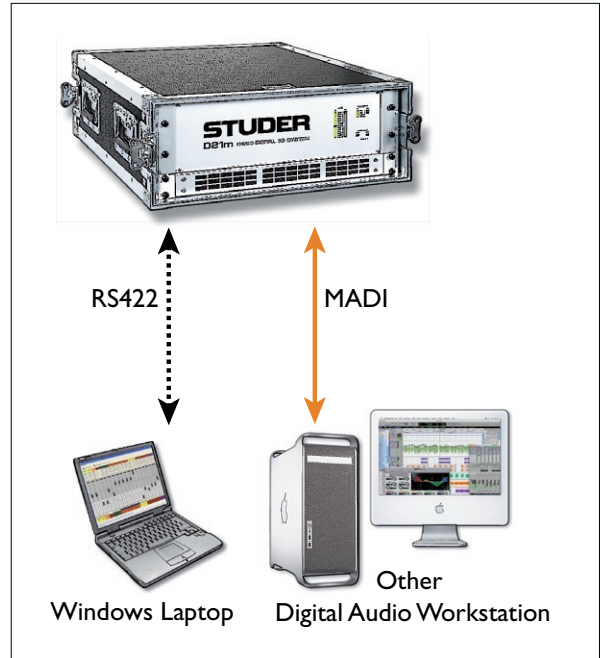
The MADI interface of the D2Im I/O rack supports both the standard MADI protocol with a maximum of 56 channels as well as the extended protocol with 64 audio channels. This protocol type is selectable on the front panel of the rack.

The Studer D2Im I/O acts as a clock slave and synchronizes to the optical MADI-signal. It therefore automatically detects the clock rate of the connected audio device. Supported clock rates are 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz.

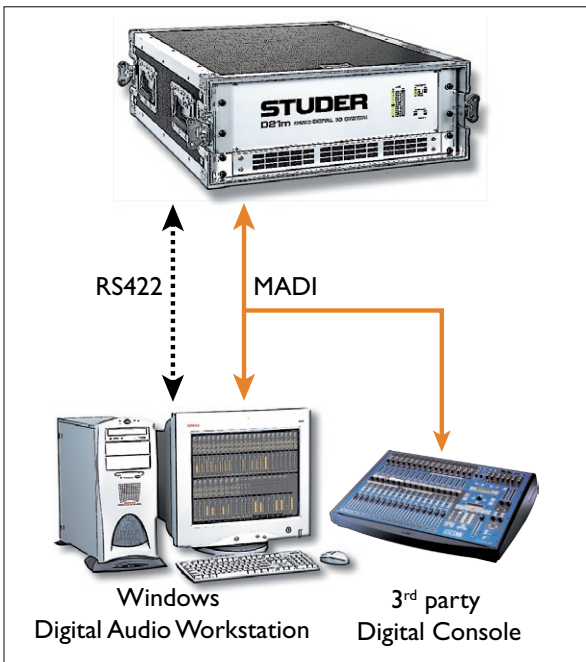
In 44.1 kHz and 48 kHz mode the two MADI interfaces work in parallel. One of them may be used as a digital split output or for redundancy. In 88.2 kHz and 96 kHz mode the MADI interface only transmits a maximum of 32 channels. Therefore the second MADI interface is used to bring back the original total channel count.



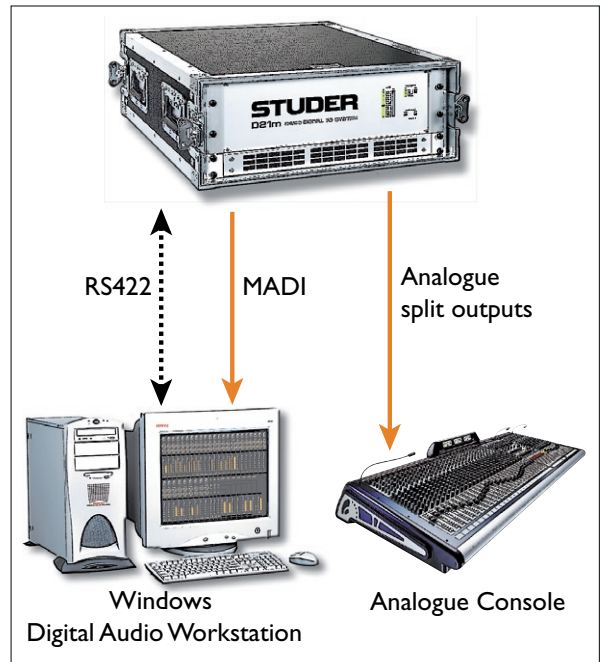
Recording with Windows DAW



Recording with other DAW

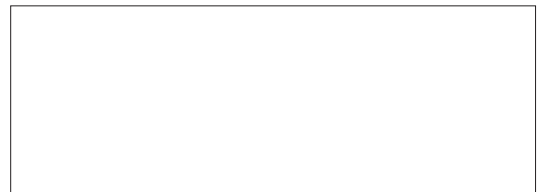


Live recording with 3rd party digital PA console



Live recording with analogue PA console

STUDER
professional audio equipment
H A Harman International Company



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