

Audio Facility MADI Router

Large Digital Routing and Patching System

Applications: For a large single room, or situations where patching and sharing sources and destinations between multiple rooms is required, the scaleable Euphonix Audio Facility MADI Router provides a neat and affordable solution.

The Audio Facility MADI Routing System solves one of the major problems in any large audio facility – connecting large numbers of analog and digital sources, with different formats and sample rates, together without the need for a patchbay. And the simplicity of MADI reduces cabling costs.

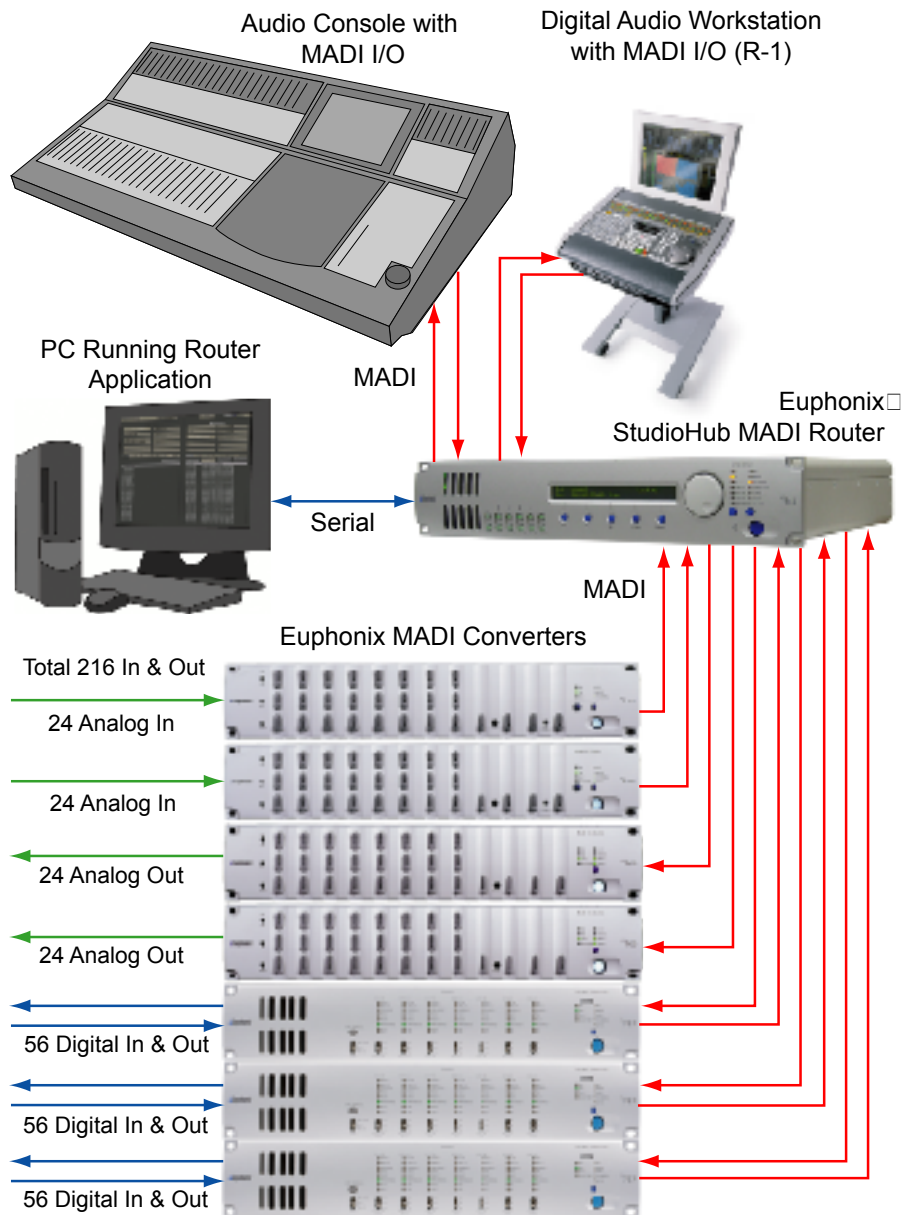
StudioHub: The StudioHub can handle up to 12 MADI inputs and outputs (at 48KHz 24-bit, that is 768x768 crosspoints). The system opposite uses only 328x328 – half the available connections – allowing room to expand in future. The StudioHub is supplied with a stand-alone PC program for making patches between the individual signal connections.

Configuration Setups store what MADI devices are connected to the StudioHub and which ports they are connected to. Each MADI port can be used as a 56 channel, or a 28 channel digital connection (at 24-bit, 96khz, max number of channels is 28).

Patch Setups store settings for the whole patch system allowing frequently used patch settings to be recalled. Any individual source may be patched to any individual destination. A source may be patched to multiple destinations.

FiberTran: The MADI lines shown in red represent single coax cables which can be run up to 100 meters. For extra long MADI cable runs the FT730 FiberTran system can extend the run up to 1,000 meters.

Typical Mid-Sized Routing Application (328 x 328)



StudioHub 12 x 12 MADI Router

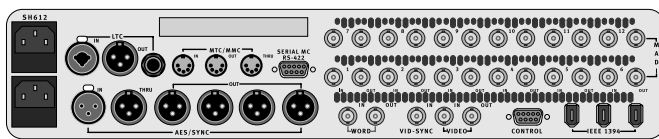
(768 x 768 Time Slots)

The Euphonix StudioHub (SH612) high-performance MADI router solution brings a new level of quality and affordability to digital audio. The StudioHub is a compact 12 x 12 MADI unit featuring a large front panel control wheel, status lights, and sync selector allowing easy access to system settings. Synchronization signals are distributed via four AES Sync (AES/EBU), Word Clock, video, or MTC outputs.



StudioHub Rear Connections

(dual power input broadcast version shown)



Router Software Application

(Runs on a PC connected via serial)

Patching is handled by a stand-alone PC application. Setups and configurations may be saved and sources named. StudioHub also has front panel routing controls as well.



Converters

MADI - Analog - AES/EBU - SDIF-2 - ADAT - ProTools - TDIF - ProDigi

Multi-Channel Converters

Euphonix makes a range of 28-channel high-quality professional converters with MADI for simple connectivity to the StudioHub Router. Sample rates include 44.1, 48, 88.2 and 96 kHz, with 16, 20 or 24-bit operation. LEDs on the front panel show channel activity. AES/EBU and Word Clock external sync inputs provide synchronization to other digital systems. These are the same converters used in the Euphonix System 5, Max Air and R-1 product lines. The converters are lightweight 2U rack mount units built to the highest quality standards.



- AM713 - 26 Analog XLR plus 2 Digital to MADI
- MA703 - MADI to 26 Analog XLR plus 2 Digital
- MD 714 - 26 AES/EBU (110 ohm XLR or 75 ohm coax) plus 2 Analog to MADI
- MD 704 - MADI to 26 AES/EBU (110 ohm XLR or 75 ohm coax) plus 2 Analog

FC726/FC727 56 Channel Digital Format Converter with SRC

Connect multiple format digital audio devices together to create the highest quality conversion available. Mix a Digidesign Pro Tools® session and connect directly to the MADI router. Transfer audio between Sony 3348 and Tascam DA-88 tape machines or interconnect ADAT and AES/EBU devices. Any supported format can be converted to the other, and the FC727 performs the highest quality 24-bit sample-rate conversion (SRC) in real-time on all channels that require it. The units carry up to 56 channels of audio in both directions, while 56 channels of AES/EBU outputs are always available regardless of the formats being used.



FC726 Supports: MADI – SDIF-2 – ProDigi – TDIF – ADAT Optical – AES/EBU
FC727 Supports: All of the above plus ProTools® Legacy Connection. With a Pro Tools® 24 Mix System the FC727 can replace multiple 888 I/O units connecting directly to the Digidesign PCI cards for 56 channel I/O in a 2U space with SRC.

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