



VENUE MADI Option Card

MADI solution for FOH Rack- and
Mix Rack-based VENUE systems



Bring your VENUE live sound workflow to any MADI (Multichannel Audio Digital Interface) environment. With each VENUE MADI Option Card, you can send up to 64 channels of audio from your VENUE system to other MADI devices—including routers, digital mixing consoles, and mobile recording setups—and vice-versa. Simply install the card into your system's FOH Rack or Mix Rack to bring industry-standard MADI connectivity to VENUE.

Features

- Bring industry-standard MADI connectivity to VENUE D-Show® Systems, Profile Systems, and Mix Rack Systems
- Send and receive up to 64 channels of 24-bit, 48 kHz audio—including all Stage inputs—with one MADI card installed in an FOH Rack or Mix Rack
- Double your distribution up to 128 channels by adding a second MADI card to an FOH Rack
- Simplify your setup—and gain peace of mind—with automatic input signal detection and simultaneous optical and coaxial outputs, enabling redundant connections
- Transmit audio up to 2 km (1.24 miles) away over fiber optic cable, or up to 100 meters (328 feet) over coaxial cable, without signal quality loss
- Verify and troubleshoot connections using the Signal Present and Optical Source LEDs

Open Up Your Workflow

Because MADI is an open protocol, you can easily integrate VENUE into more applications than ever before with the VENUE MADI card. And it supports both optical and coaxial connections, as well as 56- and 64-channel modes, so you can connect your VENUE system to a wide variety of MADI devices from countless manufacturers—without needing additional format converters.

Fuss-Free Flexibility

Forget complicated signal routing using a digital patchbay—all Stage inputs are automatically routed to MADI card outputs 1–48, effectively creating a digital audio split that can be routed to any MADI device. In addition to the Stage inputs, you can assign another 16 channels, sourced from anywhere within the console, for a total of 64 audio channels.

Perfect for the Long Haul

Using fiber optic cable, you can transmit audio up to 2 kilometers (1.24 miles) away—without any loss in signal quality—making MADI an ideal connection for outside broadcast applications, large-scale concert touring, and other “long haul” setups.

Easy Installation, Robust Reliability

The MADI card fits right into any available expansion slot in your FOH Rack or Mix Rack. Install up to two MADI cards in an FOH Rack to send and receive up to 128 channels of audio (perfect for capturing all inputs from dual Stage Rack systems). Or install a single card in an FOH Rack or Mix Rack to send and receive up to 64 audio channels. And with the card's automatic input signal detection and Optical Priority mode features, you can connect both optical and coaxial inputs and outputs for an auto-switched, redundant connection, ensuring peace of mind.

VENUE MADI Option Card—MADI Solution for VENUE Systems

New Software Input Modes

VENUE 2.8.5 and higher software adds two input modes to accommodate MADI workflows—MADI Input and MADI Virtual Soundcheck. When using MADI as the primary input source, enable MADI Input mode to route all incoming MADI signals to the input processing channels, with full snapshot support, so you can store and recall digital gain settings and other console parameters.

To do a Virtual Soundcheck, turn on MADI Virtual Soundcheck mode to temporarily replace all Stage microphone inputs with MADI inputs from a playback source. Any gain changes you make while in this mode can then be applied back to your Stage inputs for show time.

Software Input Mode	Audio Signals on MADI Card Output	Audio Signals on MADI Card Input
Stage	Channels 1–48: Stage mic inputs 1-48 (post-ADC, pre-HPF and channel processing) Channels 49–64: Patchbay assignable outputs 49-64	Channels 1–48: not available Channels 49-64: Patchbay assignable inputs 49-64
MADI Input or MADI Virtual Soundcheck	Channels 1–48: not available Channels 49–64: Patchbay assignable outputs 49-64	Channels 1-48: MADI inputs 1–48 Channels 49-64: Patchbay assignable inputs 49-64

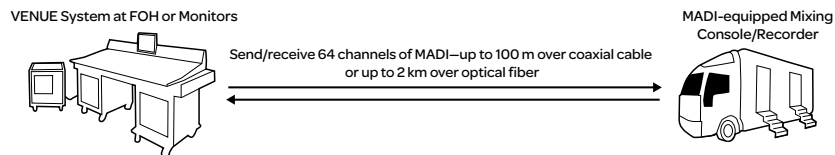
MADI Applications

With the VENUE MADI Option Card, you can easily distribute many channels of audio over great distances, and connect your VENUE system directly to a wide range of MADI devices. Here are some practical applications for the MADI card.

Scenario 1: Sharing Stage Inputs with One or More Consoles

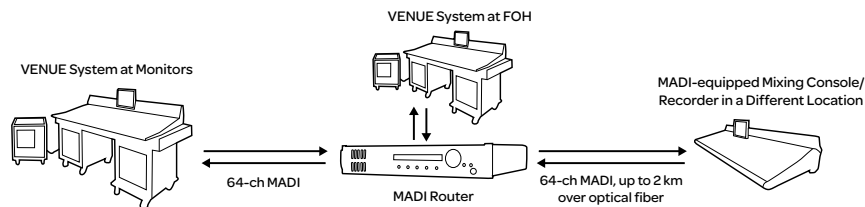
A single optical or coaxial cable is all you'll need to transmit up to 64 audio channels between VENUE systems. This connection includes all 48 Stage inputs—captured in their purest form immediately after the analog-to-digital converter, and before any channel processing—plus 16 more audio channels of your choice.

You can employ this workflow with any combination of VENUE D-Show, VENUE Profile, and VENUE Mix Rack system at the FOH and monitor positions, or between a VENUE system and any other MADI-equipped mixing console. And if you have two Stage Racks in your VENUE system, just add a second MADI card in your FOH Rack to send all 96 Stage inputs, plus another 32 channels of your choice, for a total of 128 audio channels.



Scenario 2: Audio Distribution in a Permanent Installation

Many concert halls, stadiums, and houses of worship have already made significant investments in MADI infrastructures to connect and route audio between facilities. With the VENUE MADI card, you can easily integrate a VENUE system with these types of permanent installations.



For more information visit www.avid.com/venuemadicard

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