

MADI Bridge

Multi-Channel MADI Switcher and Router with 8 x 8 MADI matrix

Connectivity

- 6 x MADI I/O (coaxial)
- 2 x MADI I/O (optical)
- MIDI I/O (5-pin DIN)



The MADI Bridge complements RME's MADI series with a convenient device manager. As a patchbay, distributor, signal buffer and an input selector, it links MADI devices from all manufacturers. Featuring 6 coaxial inputs and 6 coaxial outputs, as well as 2 optical inputs and outputs, it interconnects up to 16 devices. Thanks to its clear design, it is intuitively operable and can easily be handled. Application examples include 8 x 8 MADI matrix, dual MADI coaxial/optical and vice versa converter and distributor.

All MADI input streams are routed unaltered to the selected MADI outputs without any reprocessing. Therefore the MADI Bridge supports any format, be it 56- or 64-channel modes or special invisible control commands that might be included in the MADI data. The MADI Bridge transmits any sample rate, even out-of-spec data rates or even non-standard MADI protocols. Thanks to a special equalizing and highly sensitive input stages, coaxial cable lengths up to 100 m can be used - even between several devices.

Eight numerical LED displays on the front panel indicate the current signal source for each output. These can be changed instantly with two dedicated buttons. Any input can be assigned to either one or several outputs, turning the unit into a MADI distributor. To prevent accidental operating errors, both the buttons on the device itself and the MIDI remote control function can be deactivated.

The current settings are memorized and can be stored to one of 9 presets. Preset 0 serves as a panic/off button and mutes all external connections. A preset can be selected and then activated with the Recall button. In addition, the current state of the routings is clearly displayed in a 64-LED matrix on the front panel of the unit. Due to its classic cross-matrix layout, any configuration can be verified at a glance – even before a preset is active, as the routing of a preset is already displayed on selection, i. e. prior to its actual recall.

The MADI Bridge can be remote controlled via MIDI. Also all controls and LEDs on the front plate - the complete status - can be read via MIDI. Each MADI Bridge can be programmed with its own ID, providing a separated remote control of multiple devices via a single MIDI channel. RME provides a MIDI Remote software for Mac and PC. It uses any existing MIDI port within the system to perform remote control and status requests of all MADI Bridges via a simple mouse click.

For applications with a demand for highest redundancy options the MADI Bridge can be combined with RME's MADI Converter, which even expands the I/O connectivity with coaxial and optical I/Os.

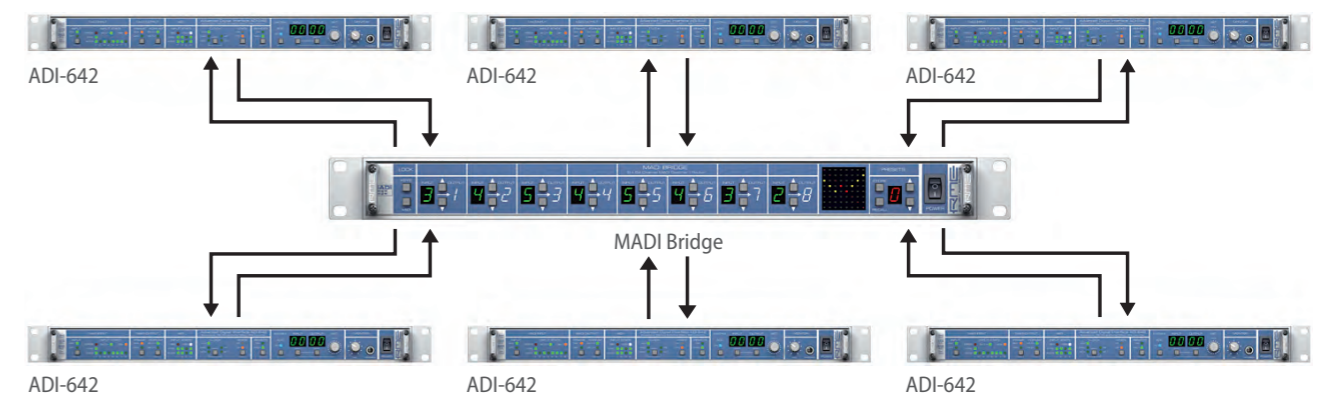
The MADI Bridge can handle up to 8 MADI I/O streams in a compact device - providing the power to direct, distribute or mirror all audio information - transferring up to 1024 audio channels within one programmable I/O matrix.

Technologies

- MADI Multinorm
- MIDI Remote

Example for an audio ring system

Compared to the MADI Ring Installation example (see example on the last pages), the MADI Bridge can be perfectly used to setup a fault-tolerant audio ring system. This is achieved easily by passing on the MADI signals, like shown in the example below:



Specifications

- Input MADI: 6 x BNC, 2 x optical (SC)
- Output MADI: 6 x BNC, 2 x optical (SC)
- MIDI input and output: via two 5-pin DIN jacks
- Sync: Not required
- Sample rates: any
- Power supply: internal switching mode ps, 100 V-240 V AC, 50-60 Hz, 15 Watts
- Dimensions: 483 x 44 x 200 mm