

Dual MADI I/O card



With the advent of STUDER's new high capacity D23m I/O system and A-Link 3 Gbit/s optical interface comes the first I/O card specifically designed to fit in the new frame. This card may also be used in the Vista I I/O expansion card slot.

This new I/O card is a dual slot card fitted with two redundant MADI interfaces and provides up to 128 channels of inputs and 128 channels of outputs on the two fully redundant interfaces. SFP modules are used for the front panel MADI interfaces, these hot pluggable devices are available in a variety of optical and electrical formats.

MADI is a worldwide standard and is used for high capacity interfaces to much studio equipment such as Digital Audio Workstations (DAWs), video and audio routers, other consoles and most importantly stage boxes. STUDER stage boxes have embedded control within the MADI

stream, even if all 64 channels are used for audio. This new card may be connected to two STUDER stage boxes, either D21m type or the Compact Stagebox. Full mic control and remote frame status monitoring for both frames is provided on the console application.

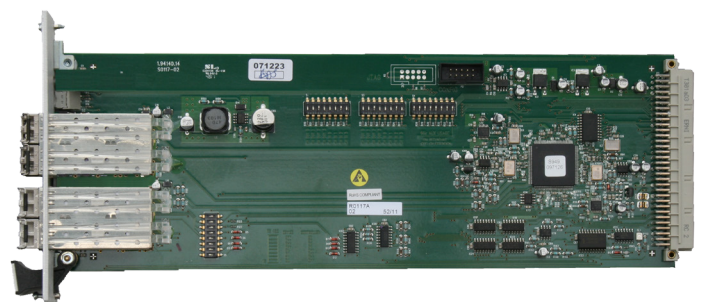
Each of the two MADI interfaces provides dual outputs (with the same audio and control data). The MADI inputs will automatically switch in less than a millisecond to the reserve input if the data is corrupt or fails thus providing full cable redundancy for typical OB operations.

MADI channel count to the D23m backplane may be set for both interfaces in 8 channel steps individually from 8 channels to 64 channels. MADI outputs may be set to 56 channel mode for compatibility with legacy equipment. MADI inputs may be in either 64 or 56 channel mode. Input sample rate converters

may be enabled for use with non-synchronous sources.

The Dual MADI I/O card fits all Vista I consoles and can be retrofitted.

The MADI interfaces will run at 44.1 kHz, 48 kHz, 88.1 kHz and 96 kHz in the D23m frame. Channel count is halved unless two pairs of cables are used.



SFP modules which may be mixed between the two MADI ports, are available in the following formats:

- Multi mode standard power fibre (62.5 μm or 50 μm) for approx 1 km of fibre.
- Single mode standard and high power fibre (9 μm) for distances of up to 10 km.
- All with LC twin connectors.
- Coaxial (mini BNC) for distances of up to 75m.
- Normally MADI fibre uses 1300 nm wavelength, other frequencies are available on request.

Part number of the D23m Dual MADI I/O card is **5045305**
SFP modules have to be ordered separately, Part numbers on request.