

MA2CHBOX.XL

2 CHANNEL MADI MONITOR WITH AES I/O AND LINE OUT



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DirectOut
TECHNOLOGIES

STAY IN CONTROL!

MA2CHBOX.XL

is a compact, free-standing reference class headphone amplifier for MADi (AES10) and AES3 signals for use in MADi-based broadcast and recording environments.

Its extremely small footprint makes it ideal for viewing rooms, edit suites or small OB vehicles where space is at a premium.

The device features three MADi ports, an AES3 port, a headphone output and a stereo line level output. MA2CHBOX.XL can also act as a MADi format converter (coaxial/optical or vice-versa).

Any stereo pair or single mono channel of three MADi streams or the AES input can be routed independently to either headphones, AES output or line out. The AES input signal may also be embedded into the MADi stream.

All-Round Functionality

MA2CHBOX.XL offers highest flexibility for MADi monitoring and line checking as it provides three interface standards for MADi:

- optical SC (single-mode or multi-mode)
- coaxial (BNC)
- SFP

The Small Form Factor Pluggable cage can be fitted with any SFP module suitable for the customer's application.

All MADi outputs remain active at all times, enabling conversion between all three formats.

Port routing offers independent output feeds for each MADi output.

Remote Control

The integral USB port allows for firmware updates, serial data embedding and remote control for extended features, e.g. an internal routing matrix.

TECHNICAL DETAILS

MADi Ports (I/O):	1 x SC-Socket multi/single-mode 1 x coaxial BNC, 75 Ω 1 x SFP (empty cage without module)
AES3 Port (I/O):	1 x DSUB-9*
<i>Line Output:</i>	1 x DSUB-9*
Output Level:	max +24 dBu
SNR:	-114.5 dB /- 117.1 dBA
THD /THD+N:	-108 dB /-105.5 dB
<i>Headphone Output:</i>	6.3 mm TRS jack, stereo
Output Level:	max. +18 dBu
SNR:	-114.2 dB /-117.1 dBA
THD /THD+N:	-106 dB /-103 dB
Sample Rates:	44.1, 48, 88.2, 96, 176.4, 192 kHz
MADi Formats (I/O):	48k Frame, 96k Frame, 56/64 channel, S/MUX
USB:	USB 2.0 for firmware updates and remote control
Power Supply:	1 x 84 V to 264 V AC / 47 Hz to 63 Hz / safety class 1
Dimensions:	Width 140 mm Height 42 mm Depth 140 mm
Weight:	about 0.8 kg

* DSUB-9 to XLR adaptor included in delivery

Channel-based routing can be defined through external remote control software and stored inside the device.

Supported remote methods are USB and 'Serial over MADi'.



Remote Methods:

