

# EXBOX.MD

DANTE / MADI CONVERTER



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## EXBOX.MD

is an Audio-over-IP to MADI converter based on Audinate's audio networking technology Dante. Equipped with three MADI ports and four network ports it offers straight-forward conversion of 64 audio channels between MADI and Dante.

The handy size of the popular EXBOX series (1/3 of 19"), combined with the rock-solid housing and redundant power supplies, makes the EXBOX.MD a perfect connectivity tool for touring live shows, OB vans as well as studio applications.

### Audio Streaming

Up to 32 streams with a total number of 64 audio channels are supported. The device also features the latest Dante firmware with activated AES67 support.

### All-Round Functionality

EXBOX.MD offers highest flexibility as it provides three MADI ports of different interface types:

- 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 particular application.

### FastSRC™

The FastSRC™ is a low latency sample rate converter, switchable for the Dante I/O, and ensures seamless exchange between MADI and Dante I/O when both sources are not synchronised.

### EARS™

Enhanced Automatic Redundancy Switching™ is a system to prevent interruption of the output signal. It uses either the proven BLDS™ technology or pilot tone triggering. A logic monitors the condition of the trigger signal on the Dante input. In case of a failure it switches automatically to the backup input (Dante or MADI).

### Remote control

EXBOX.MD can be controlled by Audinate's remote software 'Dante Controller' and is 'Dante Domain Manager' ready. Device functions, such as the channel based routing matrix, FastSRC™ or EARST™ are accessible via globcon and a browser UI.

## 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) **
Network:	3 x RJ45 (1 Gbit/s) 1 x RJ45 (1 Gbit/s, PoE)
Sample Rates:	44.1, 48, 88.2, 96, 176.4, 192 kHz (+/- 12,5%)
MADI Formats (I/O):	48k Frame, 96k Frame, 56/64 channel, S/MUX
Sample Rate Converter:	FastSRC™ for Dante I/O
Network-Layer:	3
Number of Streams:	32
Number of Channels (I/O):	64
Network Standards:	Dante, AES67
Power Supply:	2 x Hirose DC input (7- 24 V) 1 x RJ45, Power over Ethernet
Dimensions:	Width 140 mm Height 42 mm Depth 140 mm
Weight:	about 0.8 kg

\* BNC input is switchable to word clock input

\*\* optional accessory: SFP modules (LC single-mode or multi-mode)

### Safe operation

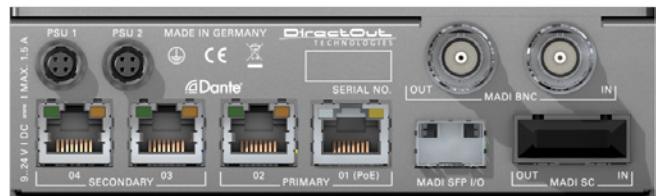
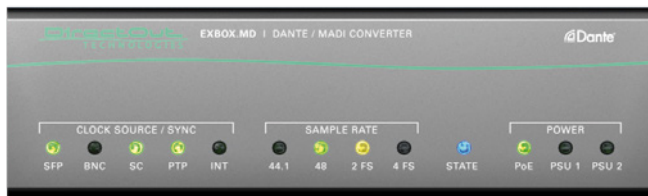
The device can be powered by up to two external power-supplies as well as PoE (Power over Ethernet).

### Built-in Switch

Four network ports are connected to an internal switch and give the opportunity to use Dante's redundancy mode (Primary <> Secondary), while more EXBOX.MDs or other Dante devices can be connected in switched mode directly to increase the number of channels.

### Rack-Ready

EXBOX.MD can be mounted into a standard 19"-rack by using the optional kit BOXMOUNT.XL. Up to three devices may fit side-by-side within 1 RU.



Remote Methods:

