

EXBOX.MD

DANTE / MADI CONVERTER



DirectOut GmbH
Leipziger Str. 32 | D-09648 Mittweida
info@directout.eu | www.directout.eu

DirectOut
TECHNOLOGIES

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.

Overview

LEDs at the front panel inform about clocking, sample rate, device state and power supply at a glance.

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.

One of the three MADi ports is selected as input automatically, all three outputs work in parallel.

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).

Safe operation

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

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

Remote control

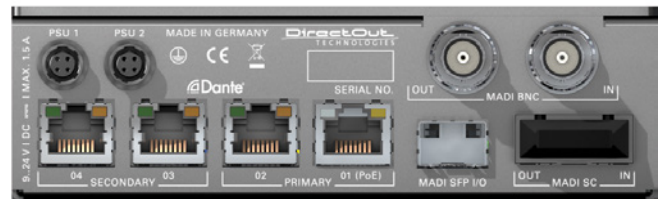
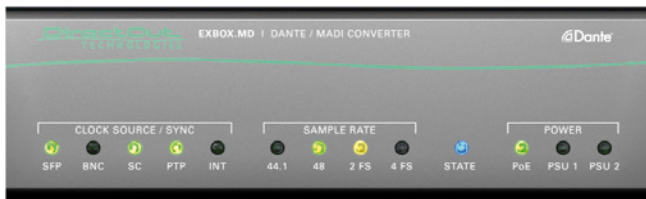
EXBOX.MD can be controlled by Audinate's remote software 'Dante Controller' and is 'Dante Domain Manager' ready.

Built-in Switch

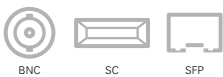
Four network ports are connected to an internal switch and give the opportunity to use Dante's redundancy mode (Primary <-> Secondary), while more EXBOX.MDs or other Dante devices can be connected in switched mode directly to increase the number of channels.

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.



Port Configurations:



Remote Method:

