EXBOX.AES

16 CHANNEL AES / MADI CONVERTER
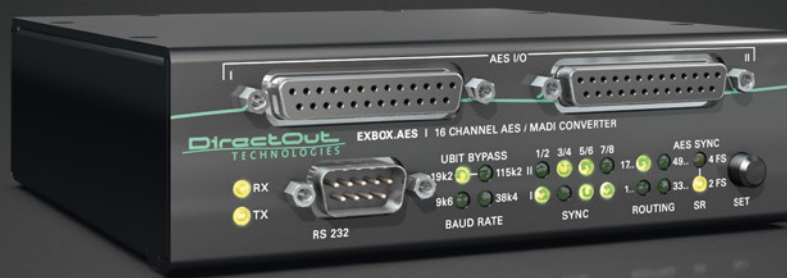
EXBOX.AES

is an AES / MADI converter with eight AES I/Os capable of converting up to 16 audio channels from AES to MADI and vice-versa.

At the same time serial data (RS-232) can be embedded into or de-embedded from the MADI signal.

All settings such as the signal routing, baud rate and the scaling factor are accessible on the front panel of the device.

EXBOX.AES extends MADI environments by offering straightforward AES conversion and simplifies serial data communication with remote devices using the MADI line.

Cascading / Signal Routing
The signal routing is adjustable in blocks of 16 channels. Cascading of four devices enables conversion of all 64 audio channels of a MADI signal.

Bit transparent
The embedder can be deactivated to embed user bits from the AES inputs (OFF) or bypassed to preserve the incoming user bits (UBit Bypass).

RS-232 compliance
The serial data is embedded in MADI user bits 1-9 and the process is compatible with the embedder used by Studer/Soundcraft.

Clocking
Intelligent automatic clocking speeds up the setup and enhances reliability.

Service
The device can be updated with a new or customised firmware via the integral USB port.

TECHNICAL DETAILS	
MADI Ports (I/O):	2 x ports- individually configurable: - SC-Socket multi/single-mode - coaxial BNC, 75 Ω - SFP (empty cage without module)*
Digital (I/O):	2 x DSUB-25 8 x AES3, balanced, AES59 compliant
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
RS-232:	DSUB-9 male
USB:	Mini USB 2.0 for firmware updates
Power Supply:	2 x Hirose DC input (7- 24 V)
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)

Rack-Ready
Each EXBOX 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.

Safe, reliable operation
Two robust Hirose sockets are available to plug in up to two external power supply units or battery packs for safe operating conditions with redundancy.

EXBOX.AES - a handy and powerful AES front end for MADI systems.

All-Round Functionality
EXBOX.AES offers highest flexibility as it provides two module based MADI ports. Available interface types are:
– 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.

SC.IO   BNC.IO   SFP.IO

DirectOut
TECHNOLOGIES