

ANDIAMO.XT ANDIAMO.XT SRC

D.O.TEC® ANDIAMO Series

32 channel AES/MADI AD/DA Converter

D.O.TEC® ANDIAMO.XT is an AES/MADI AD/DA converter for 32 audio channels with superior sound quality. Based on the unique ANDIAMO a higher level of integration and flexibility is achieved now by adding digital inputs and outputs (AES3).

32 analog plus 32 digital I/Os in 2 HUs make **efficient use of rackspace**.

ANDIAMO.XT SRC adds samplerate converters for each of the 32 AES inputs. The SRCs may be activated in groups of eight channels to handle asynchronous signals.

Quick overview

The front panel provides status LEDs for all channels for a quick **check of signal status** (signal present, over, sync state) of all input and output channels.

Parallel Conversion and Cascading

A **routing matrix** enables audio conversion from any input port to any output port (e.g. analog ⇄ MADI and MADI ⇄ AES) at the **same time**. Two units can be cascaded, extending the number of channels for conversion.

Clocking

Available clock sources are **wordclock, MADI input, AES input** or the **internal clock**. The current system clock is provided at the wordclock output at any time.

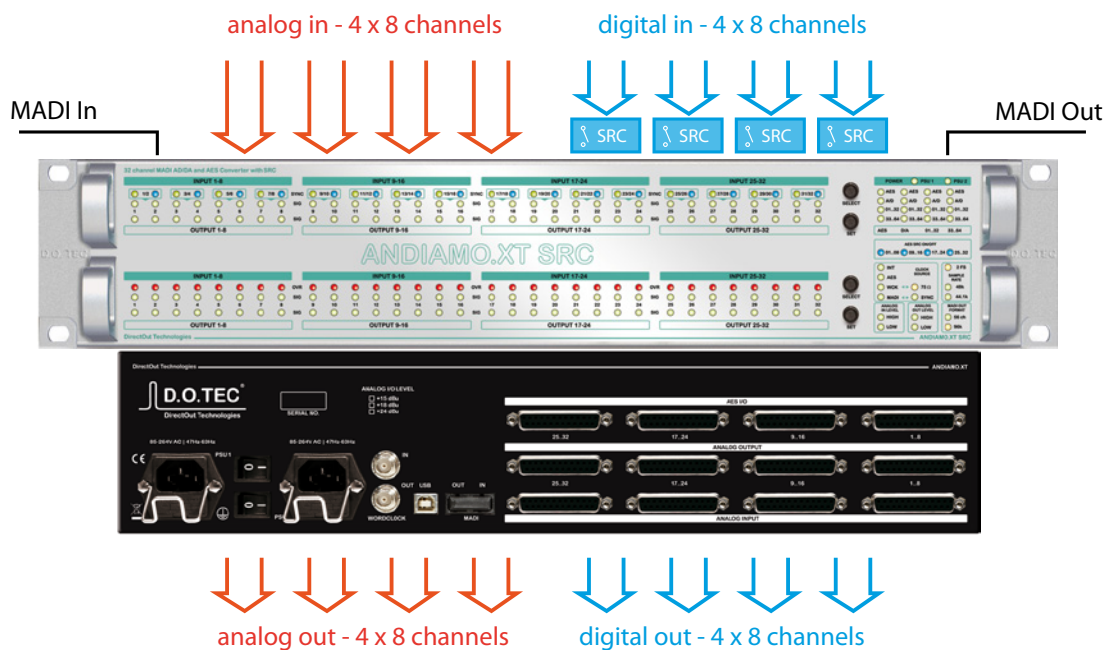
Safe operation

All devices of the D.O.TEC ANDIAMO series offer highest reliability through **two phase-redundant power supplies** with inlets and switches on the rear panel.

Essential features. Compact size. Uncompromised sound. **ANDIAMO!**

Technical Details

MADI Port (I/O):	1 x SC-Socket multi/single-mode or 1 x coaxial BNC, 75 Ω
Digital (I/O):	4 x DSUB-25 (AES3) 32 x samplerate converter (XT SRC)
Analog (I/O):	8 x DSUB-25 (balanced)
Analog Level (I/O):	Version "A": +6 dBu / +15 dBu or Version "B": +9 dBu / +18 dBu or Version "C": +15 dBu / +24 dBu
<i>A/D Section</i>	
SNR:	-115,5 dB RMS (20 Hz - 20 kHz) / -118 dB(A)
THD @ -1 dBFS:	-113 dB
Frequency Response:	-0,15 dB (10 Hz) / -0,15 dB (20 kHz)
<i>D/A Section</i>	
SNR:	-113,5 dB RMS (20 Hz - 20 kHz) / -116,5 dB(A)
THD @ -1 dBFS:	-100 dB
Frequency Response:	-0,5 dB (10 Hz) / -0,15 dB (20 kHz)
Wordclock (I/O):	coaxial BNC (75 Ω termination switchable)
Service:	USB 2.0 for firmware updates (Windows PC)
Supported Samplers:	44.1, 48, 88.2, 96 kHz (+/- 12,5%)
MADI Formats (I/O):	48k Frame, 96k Frame, 56/64 channel, S/MUX
Power Supply:	2 x 84 V to 264 V AC / 47 Hz to 63 Hz / safety class 1
Dimensions:	Width 19" (483 mm) Height 2 HU (89 mm) Depth 10" (254 mm)
Weight:	about 4 kg



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