

ANDIAMO.AES (SRC)

64 CHANNEL AES / MADI CONVERTER



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DirectOut
TECHNOLOGIES

COMPACT SIZE. UNCOMPROMISED SOUND!

ANDIAMO.AES

is part of the ANDIAMO family of powerful, high-end MADI converters.

ANDIAMO.AES is a bi-directional, 64-channel AES3/ MADI interface with a built-in routing matrix. It is equipped with 2 MADI Ports and 32 AES3 I/Os and can simultaneously convert 64 channels of audio from AES3 to MADI and vice-versa.

The device is housed in a compact 2U 19" casing for efficient use of rack space.

ANDIAMO.AES is also available in an SRC version with sample rate converters on the first 16 AES3 inputs switchable in groups of eight channels to handle asynchronous signals.

The device may be operated locally or remotely via the ANDIAMO Remote software. Supported remote methods are USB, D.O.NET, 'MIDI over MADI' and 'Serial over MADI'.

Port redundancy

ANDIAMO.AES is equipped with two MADI ports as standard, offering seamless port redundancy and switchover. Both MADI ports are always active and carry the same MADI data, except when the Extended Routing feature is deployed.

Extended routing

The Extended Routing feature enables both MADI I/Os to be used independently to:

- make full use of all conversion channels at higher sample rates (96 kHz)
- double the range of available MADI input channels
- create two individual MADI feeds

Clocking

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

TECHNICAL DETAILS

MADI Ports (I/O):	2 x SC-Socket multi/single-mode or 1 x SC-Socket multi/single-mode & 1 x coaxial BNC, 75 Ω
Digital (I/O):	8 x DSUB-25 (32 x AES3), AES59 compliant optional: 16 x stereo SRC
<i>SRC Performance</i>	
THD+N	140 dB
Frequency response ripple	<0.025 dB
Latency	< 140 samples
Word clock (I/O):	2 x coaxial BNC (75 Ω switchable), AES11
USB:	USB 2.0 for remote control and firmware updates
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
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 RU (89 mm) Depth 10" (254 mm)
Weight:	about 3 kg

Bit transparency

Three different modes offer individual handling of channel status data via the AES and MADI ports. User bit transparency provides pass-through of proprietary control data or access to MADI user bits at the AES outputs for further analysis. Takeover of the complete channel status (CUVP bits) is also possible.

Quick overview

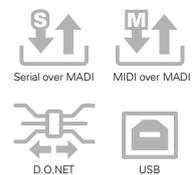
The front panel provides level control and status LEDs for real-time monitoring of signal condition for all input and output channels.

Safe operation

Thanks to two phase-redundant power supplies with separate IEC inlets and AC power switches on the rear panel the device offers the highest reliability.



Remote Methods:



Port Configurations:

