

ANDIAMO 2

32 CHANNEL MADI AD/DA CONVERTER



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DirectOut
TECHNOLOGIES

COMPACT SIZE. UNCOMPROMISED SOUND!

ANDIAMO 2

is part of the ANDIAMO family of powerful, high-end AD/DA MADI converters. ANDIAMO 2 offers simultaneous conversion of 32 audio channels from analog to digital and vice-versa with extremely high sonic quality.

Housed in an elegant, space-saving 1U 19" casing, up to two units may be cascaded for 64 channels of conversion. Bank selection allows the choice of audio channels 1-32 or 33-64 from a MADI stream to be converted. Converter sensitivity can be switched between two levels (hi/lo) – discrete for A/D and D/A.

The device may be operated locally or remotely via the ANDIAMO Remote software. Remote connection can be made by USB, 'MIDI over MADI' and 'Serial over MADI'.

ANDIAMO Remote (Windows® / OS X®) offers access to the following features:

- Matrix Mode which offers free signal routing on a per-channel basis.
- 4 FS support – the device supports sample rates from 44.1 kHz up to 192 kHz to meet the highest sonic demands
- Level control – output gain/level trim for individual channels
- AD/DA calibration in 0.1 dB increments for precise adjustment of AD and DA converter reference levels

Quick overview

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

Clocking

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

Port Redundancy

ANDIAMO 2 is equipped with two MADI ports as standard, offering seamless port redundancy and switchover.

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
Analog (I/O):	8 x DSUB-25 (balanced), AES59 compliant
Analog Level (I/O):	Version ,A': +6 dBu / +15 dBu Version ,B': +9 dBu / +18 dBu 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)
Word clock (I/O):	2 x coaxial BNC (75 Ω switchable)
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 1 RU (44.5 mm) Depth 10" (254 mm)
Weight:	about 3 kg

Extended Routing

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

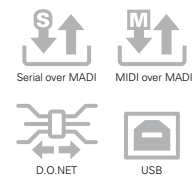
- make full use of all conversion channels at higher sample rates (192 kHz)
- double the range of available MADI input channels
- create two individual MADI feeds

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:

