

# 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:

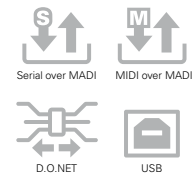
- make full use of all conversion channels at higher sample rates (192 kHz)
- double the range of available MADI input channels
- create two individual MADI feeds

**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:**

