

# ANDIAMO 2.AD

32 CHANNEL MADI AD CONVERTER



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**DirectOut**  
TECHNOLOGIES

**COMPACT SIZE. UNCOMPROMISED SOUND!**

**ANDIAMO 2.AD**

is part of the ANDIAMO family of powerful, high-end AD/DA MADi converters. This unit provides unidirectional conversion of 32 audio channels from analog to digital 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).

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'.

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 calibration in 0.1 dB increments for precise adjustment of AD converter reference levels

**Quick overview**

The front panel provides level control and 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.AD is equipped with two MADi ports as standard, offering seamless port redundancy and switchover. Both MADi ports are always active and

**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):	4 x DSUB-25 (balanced), AES59 compliant
Analog Level (I):	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)
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

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:

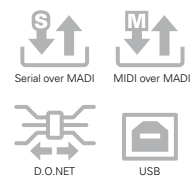
- make full use of all conversion channels at higher sample rates (192 kHz)
- double the range of available MADi input channels
- create two individual MADi feeds

**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:**

