A32pro Converter Multimode

32 x 32 A/D-D/A<> MADI <> ADAT Converter

**A32pro - Clever Conversion And Routing**

The A32pro is based on a new modular hardware platform and packed with analog and digital interfaces. In addition to the 32×32 balanced studio-quality analog inputs and outputs and the stereo main out up to 192kHz, the A32pro offers both ADAT and MADI – probably the most widely used digital audio interfaces available. In addition to the optical first MADI module, another SFP MADI module can be added. Different modes allow redundant operation of both interfaces: If one fails, the other one is activated automatically. Speaking of redundancy: If desired, two power supplies can be connected to the device. All power supplies and interfaces are permanently monitored: In the event of a failure, an error message is output on the TFT screens and on the General Purpose Output (GPO) to connect it to additional hardware.

Packed into a compact 1RU, the highly integrated converter is equipped with 32 x 32 balanced analog channels, brought out on eight D-SUB connectors. They deliver studio levels up to +20dBu, individually adjustable in 1dB steps.

The sophisticated design, using the latest generation of ESS converters, accompanied with a temperature-compensated clock and jitter reduction PLL, guarantees best crystal clear sound up to 192kHz. The A32pro is not just a converter, but thanks to its flexibility, using a sophisticated routing matrix, it is also a digital format converter for integrating your exisiting and future MADI and ADAT equipment.

Even operation of the A32pro is done without any compromise, almost self explaining, as with all our products: A total of four multitouch TFT screens show the levels of all 64 I/O channels, it can’t be done better. Controlling the unit also benefits from the screens due to it’s highly intuitive graphical user interface. Remote control is of course also possible via USB, MIDI, MIDI-over-MADI or GPI. Even a simple MIDI CC mode let’s you control the most wanted parameters from distance.

The two headphone outputs let you monitor any analog or digital input or output. For more demanding tasks the headphone monitoring matrix even feature a M/S decoder mode and a balanced operation mode for high-end headphones.

You need more? Then the A32pro Dante – a version with an additional 64 x 64 Dante channels – is what you need.

The A32pro brings our 12 years of experience in converter technology to the point, uncompromising to the last detail. All packed in only 1HU rack housing, of course fanless!

4 x Multitouch TFT User Interface

Four high-resolution pin-sharp TFT displays provide detailed level information for all 32 analog input and output signals – allowing the overview of the signal flow in and out of the unit. Also the status of all digital interfaces, clocking- and GPIO status and loaded preset is visible all the time.

Redundant MADI I/O System

The MADI I/O system of the A32pro is provided as dual SFP ports for MADI modules. So a variety of different configurations (single or double (redundant) in single- or multimode or coaxial) is possible. The I/O support MADI delay compensation, 64- and 56-channel formats and port redundancy. MADI streams can be used to send and receive embedded MIDI messages.

Internal Routing Matrix

The A32pro provides a sophisticated internal matrix for the free routing and splitting of all 128 Ins to all 128 Outs in blocks of 8 channels. The headphone output allows it to monitor every mono,stereo or even in M/S (mid/side) I/O channel from the front of the unit.

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Flexible Remote Control

A comprehensive remote software, called RemoteFish, for PC and MAC is available to control the A32pro series. In addition to USB, the A32pro can also be connected via MIDI or MIDI-over-MADI. All Ferrofish devices are automatically detected and listed in the software.

Dual Slots for DSP Sticks

The modular platform is ready for expansion: Two slots for optional DSP sticks open a whole new world for multichannel audio processing.

Full spec at this link: https://www.ferrofish.com/portfolio/a32pro-converter-multimode/#specifications