

DS01

8 Channel Remote Gain Preamp Converter



The DS01 is an 8 channel network remote controlled mic-preamp integrated with the acclaimed desono analogue to digital converters. The functionality, form factor and outstanding performance for the price, set a new benchmark for the pro-audio industry.

Preamp Converter

The mic preamps combine with desono multi-format analog to digital converters to output data (PCM or DSD) as MADI, AES and ADAT outputs.



KEY FEATURES

- + 8 channels of remote controlled mic preamps
- + 8 channels of PCM and DSD conversion
- + Auto-gain function
- + Pre-amp output
- + Line level input
- + Front panel control
- + Ethernet control over LAN or WAN using open source OSC protocol
- + MADI output
- + AES output
- + Two ADAT outputs
- + 2u 19" rack mount case

OPTIONS

- DS01B
- DS01E
- DS01EM

Pre-Amp

All pre-amp functions are relay controlled for maximum audio performance.

Each mic-input has a unique high impedance 'sniff' input whose load impedance is independent of pad status. The high impedance input minimizes mic load in applications where no splitter is used.

The pre-amp section has a gain range from 10dB to 65dB in 1dB steps and features zero-cross switching.

A post gain analogue output can, for example, feed an external compressor. The compressor return can be fed directly into the converter section via the line input connector.

Every mic input channel has switchable phantom power.

At the touch of a button a unique auto-gain function can capture the incoming level and set the gain to maximize dynamic range.

Control

The DS01 can be controlled entirely from the front panel, but is also optimized for remote operation. Common to all desono products is the ability to be controlled remotely over a local or wide area network using the OSC protocol.

A PC based GUI offers control of all functions, including full range metering. Multiple pre-sets can be stored and recalled easily and multiple controllers can access the DS01 simultaneously if necessary... from anywhere in the world!

MADI

A coaxial MADI output is included as standard in the EM model. The MADI output can operate in standard and extended modes, in addition to a proprietary mode that is capable of transmitting up to 64 channels of DSD data over one cable.



Mic-Pre

- + Switchable phantom power to the mic-input
- + Polarity
- + Solid-state transformer-less input
- + Sniff input. >10kΩ input impedance irrespective of pad in or out
- + 20dB pad at mic input
- + Balanced output post gain stage
- + Direct converter input bypasses gain stage
- + 10dB to 65dB gain range in 1dB steps
- + Equivalent input noise -128dBu
- + THD <0.0005% at 30dB gain

Converter

- + 24 bit resolution
- + Signal-Noise (un-weighted) > 113.5dB @ 22kHz bandwidth
- + Signal-Noise (A-weighted) > 117dB @ 22kHz bandwidth
- + THD + Noise > -103dB @ -1dBFS, 1kHz
- + Balanced AES3 output
- + ADAT S/Mux Output
- + MADI output operates in standard, extended and DESONO modes

General

- + Ethernet Control using OSC protocol over UDP
- + Auto-ranging power supply
- + 2u 19" rack mount case



Converters

The DS01 can convert 8 channels of analog audio to up to 24-bit/192kHz PCM or DSD digital data.

Balanced AES3 outputs are provided in addition to the main MADI output.

A DSP-free design, precision crystal-based Phase Locked Loops and ultra-low noise and distortion analogue circuitry combine to deliver unrivalled sonic purity in critical digital audio recording and production applications.

desono converters have been the standard audio converter of choice in Hollywood Sound Stage for many years.



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