

# DSP 88 Digital signal processor



## TECHNICAL SPECIFICATIONS



### DSP 88

**DSP 88 is 8 inputs and 8 outputs digital signal processor with MIC/LINE, balanced audio inputs and Phantom power. High performance 24 bit AD/DA converters and 95 kHz sampling rate, 40 bit floating point DSP engine.**

All inputs can be matrix mixed and routed to any or all outputs. Easy to use software for configuration and control DSP 88 by using Ethernet, USB or RS232 connections. Processor's configuration can be accomplished in real time from the front panel or with a computer from any location, if Ethernet connection is used. 31 band, 1/3 octave graphic equalizer per input and 8 band parametric equalizer per input and output. Dual crossover filters with Bessel, Linkwitz-Riley & Butterworth slopes. 640ms delay per input and output. Input compressors and output limiters. 30 preset and phase correction. Phoenix input and output connectors.

	<b>DSP 88</b>
Power supply	~220V/~90 V 50Hz/60Hz
Power consumption	20 VA
Input type	Electronically balanced, switchable gain mic/line inputs
Phantom power	+ 48 V
Nominal output voltage	1 V
Output impedance	50 Ω
Nominal input voltage	Mic level - 2-20 mV Line level - 1 V
Input impedance	> 10 kΩ
Maximum level	+ 20 dBu
Maximum gain	67 dB
Frequency response	20 Hz - 30 kHz
Crosstalk	< -100 dB
Distortion	0,002% (1kHz @ +4dBu)
Connectors	Inputs and outputs - Phoenix connectors RS 232 - Female D-SUB 9 USB - Type B Ethernet - Standard CAT-5
DSP processor	40-bit floating point
Sampling rate	96 kHz
AD/DA converters	24-bit
Weight	4,6 kg
Dimensions	483 mm × 44 mm × 229 mm, 1U 19"