PROUDLY DEVELOPED AND
MANUFACTURED IN PORTUGAL

MPD88

Presentation:

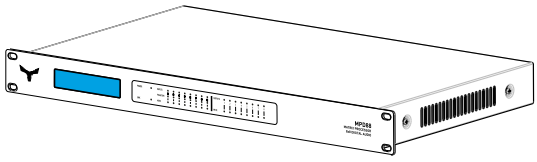
The MPD88 is a matrix audio processor that delivers a high-quality 8-input / 8-output matrix designed for commercial audio installations and professional applications for uncompromised processing.

The digital signal processor is based on a 32/40-bit floating point DSP engine ADSP-21489 400MHz), 96kHz sampling rate, providing 8in/8out (switchable 48V phantom power) with 3-pin terminal block Phoenix connectors ensuring highly scalable and flexible signal routing capability for digital processing.

This MPD88 has built-in DSP functions such as Volume, Phase, Mute, Noise Gate, Feedback Suppressor, Parameter Equalization, Dynamic Equalization, Crossover, Compressor and Delay offering a 10-band PEQ to each input/output.

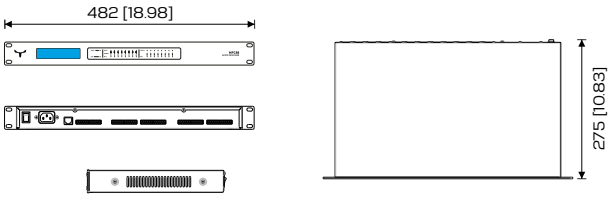
The device can be easily managed via Ethernet through standard RJ45 drive-free connection or remotely controlled through RS-232/RS-485 connection from a third-party. There are also GPIO logic ports for complete control functions and processes (integration of third-party devices).

Built on a 1 RU enclosure, a very clean and fancy front panel incorporates a 2*20 LCD display and a set of LEDs to indicate Power, ethernet, input, output Phantom and Mute status. Whether it's a simple or a complex multi-room installation, the MPD88 delivers a high-quality professional, flexible and scalable system solution for audio distribution with precise parameterization, routing and processing.



Features:

- Flexible network audio matrix processor
- 96 KHz sampling, 40 bit floating point engine
- 8×8 analogue Mic/Line I/O
- 48V phantom power supply for each input
- 3-pin terminal block Phoenix connectors
- Ethernet, RS-485 and RS-232 interface ports
- 2x2 local GPIO logic ports/interface
- 10-band PEQ to each I/O
- Speaker processing: filters, delay, limiter and PEQ
- 2*20 LCD display on front panel
- 19" rack device, 1 RU



Dimensions in mm [in]

Technical specifications:

Type	Network audio matrix processor
Inputs	8 Mic/line
Outputs	8 Mic/line
GPIO	2 I/O
Signal processing	40-bit floating-point DSP
Digital-to-Analog conv	32-bit
Sampling rate	96kHz
Phantom power	+48VDC power on/off
Frequency range	5Hz to 24kHz (-3dB)
T.H.D.	<0.0025%
Input Impedance	Balanced, >4kΩ
Max input/output level	+20dBu
Minimum fixed delay	<2ms
Input signal processing	Volume, Phase, Mute, Noise Gate, Feedback Suppressor, Parameter EQ, Dynamic EQ, Crossover, Compressor, Delay
Output signal processing	Matrix Mixer, Volume, Phase, Mute Crossover, Compressor, Limiter and Delay
PEQ (I/O)	10-band PEQ to each input/output: PEQ/low-shelf/hi-shelf/All-pass1/All-pass2 Other filter types

Programs/presets	23 user programs/presets
Network control	Ethernet, RS-485, RS-232, GPIO
I/O connectors	3-pole terminal block
Digital connectors	RJ45 ethernet
Display	2*20 LCD display front panel
LEDs	Power, ethernet, input, output, mute Phantom status
Mains connector	IEC 3p socket
Operation Voltage	90 – 240 V AC; 50/60 Hz
Power consumption	22W
Dimensions (WxHxD)	1RU space, 275mm depth (10.83in)
Weight	4.0Kg | 8.82lb