

# PROPHON



## **DSP480mkII** 4 in / 8 out system processor



The Prophon DSP480 mkII is the latest version of the workhorse, with 4 input and 8 output, fully routable DSP matrix processor.

With added features, better signal processing, and the latest DSP components.

The DSP480 mkII is designed for installation and tour applications, with 30 storable presets, 7 EQ points on each input and each output channel, up to 1S (1000mS) delay on all input and output channels in steps of 21uS, Crossover on each output channel 12-48dB/oct. Bessel, Butterworth, Linkwitz-Riley, wide mains input 90V - 250V AC for stable and reliable use, Graphic display on front panel with intuitive menu system for ease of use without needing to connect to a computer and use the GUI software, all settings can easily be accessed and set using the rotary encoder and menu buttons, Prophon DSP480 mk2 is the perfect DSP-partner for small to medium sized reliable and stable sound system.

Channels	4 in / 8 out
Dynamic range	116 dB A-weighted
Frequency response	20Hz - 20kHz (+/-0,5dB)
CMRR	<50dB (30Hz - 20kHz)
Crosstalk	< -100dB
THD+N	0,003% (1kHz, +4dBu)
User presets	30
Mains input	90V - 250V AC, 50/60Hz
Input impedance	10kOhm
Output impedance	50kOhm
Maximum input level	19dBu
Maximum output level	19dBu
Sampling frequency	48kHz
Input gain	-40dB - +12dB, in 0,1dB steps
Output gain	40dB - +12dB, in 0,1dB steps
Input delay	1s (1000mS) in steps of 21uS
Output delay	1s (1000mS) in steps of 21uS
Input EQ	7 band EQ
Output EQ	7 band EQ
Input / Output EQ gain	-30dB - +15dB in steps of 0,1dB
Input / Output EQ type	PEQ, Lo-shelf 6/12dB, Hi-shelf 6/12dB
Input / Output EQ frequency	19,7Hz - 21,9kHz
Input / Output EQ bandwidth	0,017-4,750Oct (selectable oct. or Q value)
High-pass / Low-pass crossover filter frequency	19,7Hz - 21,9kHz
High-pass / Low-pass crossover filter types	Bessel, Butterworth, Linkwitz-Riley
High-pass / Low-pass crossover filter slopes	12, 24, 36, 48 dB / oct.
Compressor threshold	-20dBu - +20dBu, in steps of 0,5dBu
Compressor ratio	1,2 / 1,5 / 2 / 3 / 4 / 6 / 10 / 20 / 40 / 128
Input / Output compressor attack time	1mS - 100mS in steps of 1mS
Input / Output compressor release time	50mS - 1000ms, in steps of 50mS
Fuse	T1AL, AC250V
Net weight	2 kg.
Dimensions	19", W482 x D158 x H45 (1RU)