

SMS 480

DESCRIPTION :

The SM Professional SMS 480 is a premium 4 IN / 8 OUT Digital Speaker Management System.

Integrating high resolution DAC & DSPs, 16-band PEQ, multiple crossover filters and slopes, speaker output delay, advanced matrix mixing, easy PC software and abundant audio processing technologies, the system offers full sonic control over your speakers.



FEATURES :

- Premium 4 IN / 8 OUT digital speaker management system.
- Integrates advanced Analog Devices SHARC® DSP 24-bit/48kHz 400Mhz chip for best-in-class sonic performance.
- Easy and user-friendly PC software for end-to-end remote speaker control and management.
- Per channel 16-band PEQ with variable Q factor for inputs and outputs.
- Accurate crossover frequency selection with slopes ranging from 6dB to 48dB/Octave including Butterworth, Bessel and Linkwitz-Riley filters.
- Responsive gate, limiter and gain settings for advanced dynamic range control.
- Adjustable speaker output delay time selectable up to 250ms.
- Automatic delay time conversion to equivalent distance in feet and metres.
- Adaptive auto feedback suppression to mitigate unpleasant feedback loops, howling and whistling.
- Built-in sine wave signal and pink/white noise generator for speaker frequency calibration.
- Advanced matrix mixing system to tackle complex speaker routing scenarios.
- Effortless connectivity via standard 100M Ethernet interface.
- Balanced XLR input and output connectors.
- 32 user-definable presets with save, delete, recall, import and export options.
- Password protection to lock and unlock settings and avoid unauthorised tampering.
- Easy DSP and ARM firmware updates over Ethernet for added future-proofing.
- Front panel interactive LCD screen for local access and configuration.
- Self-illuminated switches with tricolour 8-segment LED meters.
- Ideal for precise configuration and setup of multiple loudspeakers or line array systems in live, touring and install applications.

SPECIFICATIONS :

Maximum Input Level	18dBu
Maximum Output level	18dBu
Harmonic Distortion THD+N	<0.005%
Frequency Response	20Hz-20kHz $\pm$ 0.3dB
Input Impedance	>20KOhm
Signal-to-Noise Ratio	-106dB
DSP	400MHz ADSP-21488
Sampling Frequency	48kHz
Quantization	24-Bit
Storage	100M Ethernet
Input & Output Gain	-70dBu to 12dBu
Delay	Output 1-4: 218 milliseconds
Filter	Low Shelf, High Shelf, High Pass, Low Pass, Bessel, Butterworth, Linkwitz-Riley
Slope	-6dB/oct, -12dB/oct, -18dB/oct, -24dB/oct, -36dB/oct, -48dB/oct
Power Supply	240V AC, 35W max.
Dimension (W x D X H) mm	482 x 200 x 44 (1U)
Net Weight (Kg)	2.8

Specifications from the official SM Professional literature. Issued for customer reference.