CELTO ACOUSTIQUE

CLM48

AT A GLANCE

CELTO Acoustique CLM48 is a comprehensive loudspeaker management system that offers high-end hardware, extended processing capacity and fully featured control software. With 120 parametric filters available and more than 6 km of total delay, CLM48 is ready to handle the most challenging projects. When paired with CELTO Acoustique amplifiers and speakers, CLM48 unlocks new territories of performance, thanks to the custom presets that use FIR filtering, Dynamic Eqs and multiband compressors .

MAIN FEATURES

› Premium 4 In x 8 Out Networkable Loudspeaker Management System
› High precision 64-bit floating point internal calculations (96kHz sampling rate)
› 32-bit D/A ESS™ Sabre Reference converters with 126dB dynamic range and audiophile grade preamps
› Stereo AES/EBU Digital input and AVB MILAN Audio network (by future firmware upgrade)
› On each input: Delay (2sec), Gain, Noise gate, and 10 filters (PEQ, Notch, Shelving, Allpass, Bandpass)
› On each output:
  ▪ Routing, Delay (2sec), Gain, HPF and LPF filters (up to 48dB/oct),
  ▪ 10 filters (PEQ, Notch, Shelving, Allpass, Bandpass),
  ▪ Zero Attack PeakStop Limiter and 4 multiband Compressors (Threshold, Attack, Release, Ratio)
  ▪ Dynamic EQs and 1024 tap FIR filters (only available on CELTO presets)
› 100 preset memories with speaker preset management per output
› Fined grained Password protection
› CELTO DSP CONTROL software for Windows and Mac platforms

SPECIFICATIONS

Analog Inputs	4 female NEUTRIK™ XLR electronically balanced / RF filtered
	> 40kΩ Impedance
	+21dBu maximum input level with AKM™ 121dB A-weighted dynamic range A/D converters
Digital Inputs	1 stereo AES/EBU (dedicated female NEUTRIK™ XLR)
Analog Outputs	8 male NEUTRIK™ XLR electronically balanced / RF filtered
	120Ω Impedance
	+20dBu maximum output level with ESS™ 126dB A-weighted dynamic range 32-bit D/A converters
Connectivity	2x 100MB RJ45 Ethernet interface compatible with common TCP/IP network equipment
System Performance	96kHz sampling rate, 64-bit accumulators
	Frequency response of 20~20k Hz at -0.5dB
	THD+N lower than 0.003% at +4dBu, 1khz, 0dB input
	Interchannel crosstalk >100dB
Power	90~264Vac / 50-60Hz / 25W max consumption (industrial grade power supply)
	Touring ready PowerLock 3 pin connector
Size (WxHxD)	482x44.5x230mm net, 550x110x270mm gross
Weight	2.7kg net, 4.2kg gross