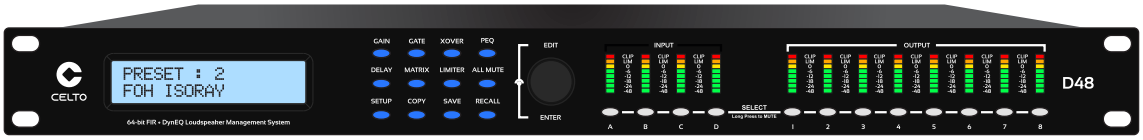
CELTO

D48

Loudspeaker Management System



AT A GLANCE

CELTO D48 is a high performance loudspeaker management system based on top-of-the-line SHARC DSP with extended processing capacity and pristine ESS SABRE 120dB dynamic range converters. The modern D48 Control software features high DPI compatibility, always visible VU meters, full Matrix routing, 192 parametric filters, 3 DynEQ per input, Feedback Suppressors, 512 taps FIR filter per output , 6400 meter of total delay, and includes a comprehensive CELTO speaker preset library.

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 ESS SABRE 120dB dynamic range A/D and D/A converters with audiophile grade preamps
- › 2 Stereo AES/EBU Digital input
- › On each input: Gain, Noise Gate, Feedback Suppressor, Delay, DynEQ, Compressor and 16 filters
- › On each output:
  - Full Matrix Routing, Delay, Gain, HPF and LPF crossovers (up to 48dB/oct),
  - 16 filters (PEQ, Shelving, AllPass),
  - TrueRMS Limiter (Threshold, Attack, Release, Ratio)
- › 32 memories with speaker preset management per output
- › Fined grained Password protection
- › CELTO DSP CONTROL software for Windows platform with auto network discovery

SPECIFICATIONS

Analog Inputs	4 female NEUTRIK™ XLR electronically balanced / RF filtered > 40kΩ Impedance +20dBu maximum input level with ESS™ Hyperstream® II 120dB dynamic range 32-bit A/D converters
Digital Inputs	2 stereo AES/EBU
Analog Outputs	8 male NEUTRIK™ XLR electronically balanced / RF filtered 120Ω Impedance +20dBu maximum output level with ESS™ Hyperstream® IV 120dB dynamic range 32-bit D/A converters
Connectivity	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
Cooling	Low noise and long life SUNON™ Maglev™ fan
Power	90~264Vac / 50-60Hz / 25W max consumption (industrial grade power supply)
Size (WxHxD)	482x44.5x210mm net, 550x110x250mm gross
Weight	2.7kg net, 4.2kg gross

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