DSP48

4 INPUT 8 OUTPUT DIGITAL SPEAKER PROCESSOR

Features

DSP48 series professional loudspeaker audio processors provide users with multiple channels for choosing: 3×6. Support analog input and analog output. They can realize a variety of DSP functions, including matrix mixing, DEQ, FIR phase adjustment, noise gate, PEQ, delay, compressors, limiters, and frequency dividers. They can be quickly debugged and monitored through the GUI software Mconsole, which provides a broad operating space for the construction and operation of audio amplification systems. DSP48D represents the function of configuring 4 channels of Dante network audio input and output. Supports analog input and analog output channels in line level, Dante network optional, 96k 24-bit sampling rate. Input with 15-band PEQ, output with 10-band PEQ, high and low pass filter. DEQ adjustment in each input channel. FIR phase correction: input channels ×1024 taps filter, output channels ×512 taps filter. All-pass filter support. Supports matrix mixing of all channels. Nice GUI control software Mconsole (Windows). USB free-driver connection. Supports TCP/IP, USB wired control, Android Tcon wireless control. Supports preset locking and setting default parameters. Provides RS232 central control.



Technical Specifications

Feature	Specification
Signal processing	LUCASACS chips
Audio system latency	1.8ms
D/A conversion	24-bit
Sampling Rate	96kHz
Input channel	4 balanced inputs, Line level
Audio interface	Cannon male and female
Input resistance	11kΩ
Maximum input level	16dBu / Line
Output channel	8 balanced outputs, Line level
Output impedance	100Ω
Frequency response curve	20Hz–40kHz (±0.5dB) / Line
Noise floor	20Hz–20kHz, A-wt, –93dBu
THD+N	–90dB (@0dBu, 1kHz, A-wt) / Line
SNR	108dB (@16dBu, 1kHz, A-wt) / Line
USB	Micro-B type, free drive
RS232	Serial port communication
TCP/IP network port	RJ-45
Indicator light	CLIP, LIMIT, LEVEL, EDIT, MUTE
Power supply & Dissipation	AC 90V–264V 50/60Hz. Standby 11.6W, Operate 11.8W
Operating temperature	–20C to +80C
Dimensions (L×W×H)	Device: 483 × 215 × 44.5 mm / Package: 537 × 343 × 77 mm
Weight	Net: 3.6 kg / Packaged: 4.2 kg

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