



2-channel Feedback Suppressor

DS-S224D



Feature:

- * High-performance 40-bit DPS processor (clocked at 400M), providing 32-bit/48kHz excellent high-quality sound.
- * Diversified audio processing functions: notch filter, frequency shifter, noise gate, limiter, crossover and equalizer.
- * The equalizer supports a 31-band graphic equalizer and an 8-band parametric equalizer.
- * The crossover supports Butterworth, Bessel, Linkwitz-Rayleigh and other octaves.
- * Designed with a 2-inch IPS true color screen with a resolution of 320*240; support Chinese and English switching display.
- * With 48 LED indicators for real-time display of the notch filter status, and 12 static + 12 dynamic notch filters per channel.
- * With dual-channel pass-through, one-key reset of notch point configuration function.
- * Support 4 scene switching.
- * With factory reset function.
- * With device positioning function.
- * With power-off automatic memory protection function.
- * With Ethernet multi-use data transmission and control port, it can support real-time management of single and multiple devices.
- * With intuitive and graphical software interface; support XP/Windows7, 8, 10 and other system environments.

Specification:

Model	DS-S224D
Input channels and plugs	2 XLR and TRS multi-use plug analog inputs
Output channels and plugs	2 XLR male plug + 2 TRS male plug analog outputs
Input impedance	Balance: 20K Ω
Output impedance	Balance: 100 Ω
Input range	\leq +20dBu
Frequency response	20 Hz-20kHz (\pm 0.5dB)
SNR	\geq 103dB@1kHz 20dBu (A-weighted)
THD	$<$ 0.012% OUTPUT=0dBu/1kHz
Channel separation	$>$ 82dB (1kHz)
Howling search and suppression	Fully automatic notch
Filter	24/CH
Q value range	10-50
Frequency resolution	1Hz
Howling search time	0.1~0.5S
FFT length	1024
Acoustic gain	4~8dB
System gain	0dB
Notch filter	Dual channel, 12 static + 12 dynamic points for each
Crossover	With three high and low pass filters: Butterworth, Bessel, Linkwitz-Rayleigh
Equalizer	31-band graphic equalizer + 8-band parametric equalizer
Display	2-inch IPS true color screen, resolution 320*240; 48 LED indicators for notch filter status
Processor	48kHz sampling frequency, 40-bit DSP processor; 32-bit A/D and D/A conversion
Dimension (LxDxH)	484X209X45 mm
Net weight	2.4kg