



Suppressor

TS-224D



Description

The high-performance dual-channel fully automatic feedback suppressor is designed with 2 analog balanced inputs and 2 analog balanced outputs. Designed for high-quality sound reinforcement in medium and large professional venues. Widely used in conference rooms, performances, auditoriums, multi-function halls and other scenes.

Feature

- * High-performance 40-bit DPS processor (clocked at 400M), providing 32-bit/48kHz excellent high-quality sound.
- * Adopt "notch" + "frequency shift" dual methods for feedback suppression. The notch filter provides 12 fixed points + 12 dynamic points. High-precision frequency shift, ranging from -10Hz to 10Hz.
- * Support noise gate function for eliminating noise. Provides multiple parameter settings at the same time to facilitate flexible on-site application.
- * Support noise gate function to limit the output size. Provides multiple parameter settings at the same time to facilitate flexible on-site application.
- * Support equalizer function, provides graphic equalizer and parametric equalizer types, and provides optional 8-band parametric equalizer and 31-band graphic equalizer. The graphic equalizer supports multiple types of overhead, bottom shelf, and parametric filters. The graphic equalizer supports single point bandwidth mode configuration.
- * The crossover supports three filter types: Bessel, Linkwisch-Rayleigh, Butterworth and 6/12/18/24/32/48db/oct, the filter is adjustable in the entire frequency range. .
- * Support automatic gain function. When the sound reaches a certain peak value, it will automatically attenuate and become smaller. When the sound is smaller, it will automatically gain amplification; keeping the volume within a certain range.
- * Support 320*240 2-inch IPS true color display, which is convenient and quick to operate. It adopts single-button shuttle quick operation to quickly realize mode, pass-through, lock and Chinese and English selection functions.
- * Support 48 notch status LED indicators to display notch status in real time.
- * Support 4 scene switching and flexibly imports and exports scene data.
- * Support restoration of factory settings, device positioning, and automatic power-off memory protection.
- * Support batch upgrade of multiple devices through background management software.
- * With Ethernet Internet interface to control multiple devices online in real time through the network.
- * With intuitive and graphical software interface; support XP/Windows7, 8, 10 and other system environments.

Specification

Model	TS-224D
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	$\leq +20\text{dBu}$
Frequency response	20 Hz-20kHz ($\pm 0.5\text{dB}$)
SNR	$\geq 103\text{dB}@1\text{kHz } 20\text{dBu}$ (A-weighted)
THD	$< 0.012\%$ OUTPUT=0dBu/1kHz
Channel separation	$> 82\text{dB}$ (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