



## 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.
- \* It has an automatic gain function. When the sound reaches a certain peak value, it will automatically attenuate and become smaller. When the sound is smaller, the gain will be automatically amplified to keep the volume within a certain range.
- \* The crossover supports three filter types: Bessel, Linkwich-Rayleigh, Butterworth and 6/12/18/24/32/48db/oct, the filter is adjustable in the entire frequency 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 audio data transmission function, with 2 digital input and output audio channels, and support network audio transmission.
- \* 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

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