



Description

This high-performance, dual-channel, fully automatic digital feedback suppressor features two balanced analog inputs and two balanced analog outputs. It's designed for high-quality sound reinforcement in medium- to large-scale professional venues. It's widely used in conference rooms, performances, auditoriums, and multi-purpose halls.

Features

1. High-performance 64-bit DPS processor (1.3GHz main frequency), high-precision 32-bit/48KHz AD/DA, and professional DSP processing provide excellent high-quality sound.
2. The device is equipped with two completely independent feedback suppression channels, each of which supports adaptive feedback suppression (AFC) function, with a transmission gain improvement of 6dB~12dB. It can process different sound source signals (such as the main speaker microphone and the audience pickup) separately to avoid cross-howling interference in multi-microphone scenarios.
3. The device supports an acoustic correction button, which can be pressed to more accurately predict the acoustic feedback loop and achieve better adaptive effects. It provides three input level adjustment settings: high, medium, and low, suitable for conference scenarios with dynamic microphones (low sensitivity), condenser microphones (high sensitivity), and mixed microphone arrays.
4. It has two independent channels, each supporting 0-99 levels of digital volume adjustment and mute switch function, suitable for precise sound pressure management scenarios such as theater partition prompt sounds and multi-zone broadcasting.
5. Based on the howling detection threshold update method, it has frequency shift + notch feedback suppression functions, and can use 48 programmable notch points. High-precision frequency shift range is -10Hz to 10Hz.
6. The device features a rotary encoder and a 2.0-inch IPS screen for controlling and configuring device passthrough and scenes. The IPS screen displays the IP address and real-time levels of input and output channels.
7. With device positioning, the PC client has the function of locating similar devices in the local area network with one click, and the located device will display the positioning information on the display screen.
8. The device has a unified centralized control function and supports centralized control of 65,535 devices through software.
9. Supports multi-client data synchronization. When more than two clients are connected to the mixer device, multi-terminal data synchronization can be achieved.
10. Feedback suppressor software can be integrated into the conference audio integrated management platform to achieve unified management of audio equipment. The platform can scan the online status of digital conference hosts, audio processors, mixers, suppressors, and amplifiers. It can also scan multiple online devices of the same product and display the device hardware name, hardware IP address, online and offline status information; it has the function of uploading configuration information to the cloud or saving it locally for backup and restoring configuration information with one click.
11. It has a noise gate function to eliminate noise and provides multiple parameter settings for flexible on-site application.
12. It has a limiter function to limit the output size. It also provides multiple parameter settings for flexible on-site application.
13. The EQ features both graphic and parametric equalizers, with 8-band parametric and 31-band options available. The graphic equalizer supports high-shelf, low-shelf, and parametric filter types. It also supports single-point bandwidth configuration.
14. It has a crossover function, with three filter types: Bessel, Linkwich-Rayleigh, and Butterworth, and multiple options of 6/12/18/24/32/48db/oct. The filter is adjustable across the entire frequency band.



15. It has an automatic gain function. When the sound reaches a certain peak, 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.
16. Use single-touch shuttle for quick operation, quickly realize mode, direct, lock and Chinese and English selection functions.
17. The front panel has 48 LED trap status indicators (with 2×12 static points and 2×12 dynamic points), a 2-inch IPS true color display, and a coding knob; the rear panel has a rocker switch, 2-way XLR female + 2-way TRS female analog inputs, 2-way XLR male + 2-way TRS female analog outputs, and 1 RJ45 interface.
18. Supports 4 scene switching and flexible import and export of scene data.
19. Supports restoring factory settings, device positioning, and automatic memory protection during power outages.
20. Supports batch upgrade of multiple devices through background management software.
21. Ethernet interface, can be used to control multiple devices simultaneously online in real time through the network.
22. The PC software has a beautiful interface and user-friendly operation, and can work in Windows 7, 8, 10 and other system environments.

Specification

Input impedance	Balance: 20KΩ
Output impedance	Balanced: 100Ω
Input range	≤+18dBu
Frequency response	20Hz-20kHz (±0.5dB)
Signal-to-noise ratio	≥110dB@1kHz 18dBu (A-weighted)
Distortion	<0.012% OUTPUT=0dBu/1kHz
Channel separation	>82dB(1kHz)
Howling search and suppression method	Adaptive feedback suppression, fully automatic notch
filter	24 per channel
Q value range	10-50
Frequency resolution	1Hz
Howling to find time	0.1—0.5S
FFT length	1024
Transmission gain	4-10dB
System gain	0dB
Notch Filter	Dual channels, 12 static points + 12 dynamic points
Crossover	With Butterworth, Bessel, Linkwich-Rayleigh three high-pass and low-pass filters
Equalizer	31-band graphic equalizer + 8-band parametric equalizer
show	2-inch IPS true color display, resolution 320*240; 48 notch filter status LED indicators
processor	48kHz sampling frequency, 40-bit DSP processor; 32-bit A/D and D/A conversion
Power consumption	≤10W
Power supply range	AC 110V-240V 50-60Hz
Operating temperature	-10°C-+45°C
Product dimensions (L×D×H)	484×209×45 mm
net weight	2.4kg