

Specification

Product Name: 6×2 Channel Feedback Suppressor

Product Model: HY-FS60

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Production Department: Product Department

1、 Product Overview

1.1 Product Image



2、 Product Specifications and Parameters

2.1 Product Description

The feedback suppression system features full automatic detection of existing feedback points. It uses DSP technology to filter sound, effectively suppressing feedback quickly and efficiently. This improves local amplification pressure and clarity. It is plug-and-play, entering working mode with a single button, requiring no adjustment, and automatically adapts to other audio equipment and acoustic environments. It is compatible with all condenser microphones on the market, enhancing microphone gain by 6-15dB with a speaking distance of 30-150mm. It also includes a 1.8-inch LCD color screen to display the current device status and system output level, providing clear information for on-site operation and maintenance.

2.2 Functional Parameters

1. Patent Algorithm for Full-Time Adaptive Filter: Intelligent, high-speed feedback processing that significantly reduces feedback even in challenging environments. This feature helps prevent damage to audio equipment and speakers.
2. Plug-and-Play: Enters working mode with a single button press, requiring no adjustment. Automatically adapts to other audio equipment and acoustic environments.

3. Compatibility with All Condenser Microphones: Efficiently boosts microphone gain by 6-15dB with a speaking distance of 30-150mm.
4. 1.8-Inch LCD Color Screen: Displays current device status and system output levels, providing clear information for on-site operation and maintenance.
5. Six MIC Balanced (and Unbalanced) Inputs and Two Balanced Outputs: Each balanced input features independent gain adjustment and 48V phantom power.
6. Front Panel One-Button Feedback and Bypass Mode: Simple operation for setting feedback and bypass modes.
7. Individual Feedback and Bypass Mode for the Sixth Microphone: Allows separate setting of feedback and bypass modes for the sixth microphone.
8. Two RCA Auxiliary Inputs and Two RCA Auxiliary Outputs: Allows connection of additional devices.
9. Adjustable High and Low Frequencies: Both MIC and RCA line signal inputs have adjustable frequency settings.

2.2 Technical Parameters

Sampling Rate	40KHz
Frequency Response	20Hz-20KHz
Transient Response Distortion	<0.1% (1kHz)
Signal-to-Noise Ratio (SNR)	>90db
System Signal Delay	<11ms
Frequency Shift Value	-5Hz
Balanced Input Impedance	68K Ω
Line Input Impedance	10K Ω
Music Input Impedance	10K Ω
Balanced Output Impedance	1K Ω
Line Output Impedance	2K Ω
Recording Output Impedance	2K Ω
Balanced Input Sensitivity	-30db-56db
Feedback Suppression Mode Frequency Response	20Hz-20kHz
Bypass Mode Frequency Response	20Hz-20KHz