

D6576

Professional Feedback Suppressor



Description

This product is a high-quality professional feedback suppressor featuring adaptive feedback notch processing. It is equipped with 2 balanced/unbalanced analog inputs and 2 balanced/unbalanced analog outputs. The unit incorporates built-in DSP functions including adaptive notch filtering, noise gate, analog volume adjustment, mute, and bypass/pass-through. The device can be controlled via RJ45 driver-free connection to a computer web interface, making it suitable for a wide range of applications.

Features

- 2 line/microphone inputs and 2 line/microphone outputs.
- Built-in high-performance high-speed floating-point digital signal processor with adaptive feedback notch processing algorithm technology.
- Front panel equipped with 4 × 8-segment real-time level meters for accurate input/output signal level indication.
- Front panel features quick-access buttons for channel mute, bypass, and filter reset.
- Each input channel provides 15 adaptive notch filters, with configurable quantity of dynamic/fixed filters as needed.
- TCP/IP control protocol supports connection to a PC for web-based adjustment of various detailed parameters.
- Supports multi-level analog volume adjustment (-18dBV to 12dBV).

Specifications

Model	D6576
Digital Signal Processing	
DSP Chip	40-bit floating-point SHARC DSP 450MHz
Digital-Analog Conversion	24-bit
Sampling Rate	48KHz
Analog Audio Input and Output	
Input Channel	2 inputs (balanced/unbalanced)
Audio Interface	XLR balanced input and output, single-ended (TRS 6.35) unbalanced input and output.
Input Impedance	10kΩ
Max. Input Level (1% Distortion)	10V
Max. Output Level (1% Distortion)	1.5V
Output Channel	2 outputs (balanced/unbalanced)
Output Impedance	220Ω
Audio Performance	
Frequency Response	20Hz-20kHz (±1dB)
THD+N(@1KHz,0dBV)	≤0.004
SNR (0dBV)	≥93dB
Connection & Display	
TCP / IP Port	RJ-45
RS232	COM Interface
Electrical Physical Parameters	
Power Supply Range	AC100V---240V 50/ 60Hz
Dimension	432.5mm X 186mm X 44mm
Power Consumption	≤10W
Net Weight	2.35kg
Working Temperature	-20℃-50℃