D6576

Professional Automatic Feedback Suppressor

Description

The D6576 product is a high-quality professional automatic feedback suppressor (adaptive feedback notch processing) equipped with 2 (balanced/unbalanced) analog inputs and 2 (balanced/unbalanced) analog outputs. The product has built-in DSP functions such as adaptive notch filter, noise gate, analog volume adjustment, mute, bypass pass-through, etc. The device can be controlled via RJ45 driver-free connection to a computer web page, making it suitable for use in various occasions.

Features

- Sensitivity: -26dBFS
- 2 line/microphone inputs, 2 line/microphone outputs;
- Built-in high-end high-speed floating-point digital signal processor and adaptive feedback notch processing algorithm technology;
- The panel is equipped with 4*8-segment real-time level display indicators to accurately display the input/output signal level;
- The panel has quick buttons for channel mute, bypass and filter reset;
- Each input has 15 adaptive notch filters, and the number of dynamic/fixed filters can be configured as needed;
- TCP/IP control protocol, connect to PC to control and adjust various detailed parameters on the web page;
- Supports multi-level analog volume adjustment (-18dBV ~ 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 (RCA) 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
Frequency Response	20Hz-20kHz（±1dB）
THD+N(@1KHz,0dBV)	≤0.004
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℃

The specifications will be subject to change without prior notice.