



Description

1. High-performance professional audio processor with DSP technology
2. Using 32-bit floating-point DSP, 24-bit AD/DA, 96K sampling frequency
3. The device provides RS-485/USB connection management function
4. 2-way balanced input, 2-way balanced output
5. Frequency shift $\pm 10\text{Hz}$ adjustable
6. Built-in 48 notch filters, 12 static notch filters + 12 dynamic notch filters per channel
7. Fully automatic feedback suppressor function, 5-level preset
8. Input and output provide compressor, noise gate function
9. Each channel provides 7-segment PEQ and high-pass settings
10. One key BYPASS, panel key lock function

Specification

Signal processing	32-bit fixed/floating-point DSP
Audio system delay	< 1.9ms
Digital to analog conversion	24-bit
Sampling Rate	96kHz
Frequency Range	20Hz~20kHz
Total harmonic distortion	<0.014 % THD+D
Signal to noise ratio	108dB (A-weighted), 106dB (unweighted)
Dynamic Range	110dB
Input interface	2 x XLR / 2 x 1/4" TRS (female) balanced inputs
Input Impedance	Balanced 50 Ω , Unbalanced 10K Ω
Output interface	2-way XLR / 2-way 1/4 "TRS (female) balanced output
Output impedance	120 Ω
Maximum input level	2V RMS
Maximum output level	1.6V RMS
Functions	Noise Gate, Frequency Shift, Notch, EQ, Compression Limiter
Feedback suppression	Method Frequency shift + automatic wave limit, optional
Communication interface	RS-485 interface, USB Type-B
Display	LCD2002
Indicator light	Power, input and output audio signal, pass-through
Power Requirements	AC 220V-50Hz
Working temperature	-20 $^{\circ}\text{C}$ ~+60 $^{\circ}\text{C}$
Dimensions	482x44.5x265mm
Package size	550x80x395mm
Net weight	3.2 kg
Gross weight	4.2 kg