

D8826

High-End Professional 2-Input 6-Output Audio Processor with DSP Functions



Description

This product is a professional-grade audio processor featuring a 96kHz sampling rate and native 32-bit AD/DA conversion precision, delivering an extremely high dynamic range. It is equipped with 2 analog inputs and 6 analog outputs. The unit includes built-in DSP functions such as input/output gain adjustment, noise gate, compressor, equalizer, full-featured matrix mixing, crossover, delay, limiter, and real-time level meters. Thanks to its excellent circuit hardware parameters, this processor faithfully reproduces the original sound quality and provides pleasant, captivating audio output, making it suitable for a wide variety of applications—small, medium, and large.

Features

- 96kHz sampling rate with native 32-bit AD/DA resolution, delivering an extremely high dynamic range.
- High-precision panel level meters for real-time monitoring.
- Full-featured crossover with adjustable filter order from 1st to 8th.
- Input/output gain adjustment, delay, noise gate, limiter, compressor, and more.
- Full-featured matrix mixing with support for send level adjustment.
- 2 XLR analog inputs and 6 XLR analog outputs.
- RS-232 and RS-485 interfaces for comprehensive control.
- 9-band adjustable PEQ for inputs, and 11-band adjustable PEQ for outputs.
- 20 scene presets for easy recall and switching.

Specifications

Model	D8826
Input/Output	2 × 6
Input/Output Type	Analog

Signal Processor	64-bit Floating-Point DSP 1GHz
Bit Depth	32-bit
Sampling Frequency	96kHz
Input Impedance	20kΩ
Output Impedance	600Ω
A/D Dynamic Range	128dB
D/A Dynamic Range	127dB
Max Input Level	>20dBu
Max Output Level	>20dBu
Transmission Delay	1.81ms
Input Channel Delay	0ms~1000ms (Step:0.01ms)
Output Channel Delay	0ms~1000ms (Step:0.01ms)
FIR Taps	1024 × 6
THD+N	<0.0008% (+10dBu @ 20Hz~20kHz)
Frequency Response	20Hz~20kHz ±0.1dB 10Hz~32kHz ±0.2dB
Crosstalk	≤ -100dB
SNR	≥115dB(20Hz-20kHz No Weighted)
Dynamic Range	≥115dB(20Hz-20kHz No Weighted)
Noise Floor	<-95dBu(20Hz-20kHz No Weighted)
Connection Type	TCP/IP、RS232、RS485
Preset	20
Size	483mm×44mm×264mm 1RU
Net/Gross Weight	4.1Kg / 5.0Kg