

D8826

2x6 Analog Professional Audio Processor with DSP Function



Description

This product is a professional-grade audio processor with a sampling rate of 96kHz and native AD/DA sampling precision of 32bit, featuring an extremely high dynamic range. It is equipped with 2 analog inputs and 6 analog outputs. The product incorporates 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. With excellent circuit hardware parameters, this processor can perfectly reproduce the original sound quality and deliver pleasant, captivating audio output, making it suitable for various large, medium, and small-scale applications.

Features

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

Front / Rear Panel

