

D8836

High-End Professional 3-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 resolution, delivering an exceptionally high dynamic range. It comes equipped with 3 analog inputs and 6 analog outputs. Built-in DSP functions include 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 accurately reproduces the original sound while producing pleasing and engaging audio output, making it suitable for a wide range of applications—from small to large venues.

Features

- 96kHz sampling rate with native 32-bit AD/DA conversion, delivering an extremely high dynamic range.
- High-precision level meters on the panel for real-time monitoring.
- Full-featured crossover with selectable filter orders from 1st to 8th.
- Input/output functions include gain adjustment, delay, noise gate, limiter, compressor, and more.
- Full matrix mixing capability with adjustable send levels.
- 3 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	D8836
Input/Output	3 × 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

