

## DP409

### FIR DSP Speaker Processor



#### Description

DP409 is a 4-in 8-out FIR DSP speaker processor, integrated with high performance DSP process, Dynamic EQ, FIR automatic linear phase and other powerful function. Standard FIR Designer in Mconsole provides automatic linear magnitude and phase function, user can take an easy way to set their speakers parameters.

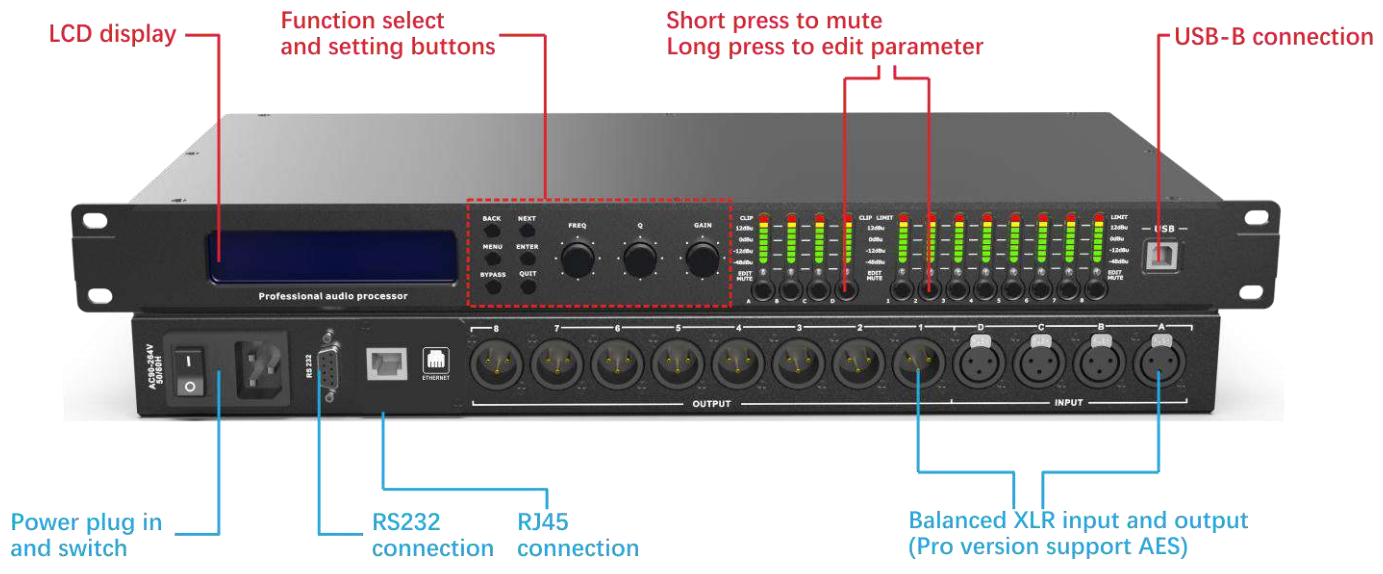
With RJ45\USB and RS232 connectors, PC software Mconsole provides user a easy way to control multiple devices. RS232 connectors support device being controlled from third-party system.

#### Features

- 4 analog inputs and 8 analog outputs.
- High performance DSP process, 96k24bit sampling rate.
- Input with 15 bands PEQ, output with 10 bands PEQ.
- Support HPF and LPF with Butterworth\Bessel\Linkwitz-Riley. Support LSLV and HSLV, ALL-PASS filters.
- Input with 3 bands Dynamic EQ.
- Input with 4 x 1024Taps 48k FIR linear phase setting.
- Output with 4 x 256Taps 48k FIR linear phase setting.
- Standard FIR Designer automatic linear phase function .
- Support presets archiving and locking, hide setting parameters.
- Control connections: USB or TCP/IP. Configured with RS232 central control connection.
- Nice GUI windows7/8/10/11 software
- LED indicator for input and output signal.
- High analytical power, wide dynamic audio performance, suitable for stage, bar and other high-end sound systems.

Model	DP409
<b>1. DSP Process</b>	
Process	ADI SHARC 21489 450MHz
System delay	1.8ms
AD/DA	24-bit 96KHz
<b>2. Analog Audio Inputs and Outputs</b>	
Input	4 channels balanced.
Input interface	XLR (Neutrik®)
Input impedance	20KΩ
Max input level	18dBu/Line
Output	8 channels balanced. Line level
Output interface	XLR (Neutrik®)
Output impedance	50Ω
<b>3. Audio Performance Specifications</b>	
Frequency response	20Hz-20kHz(+/-0.5dB)/Line
THD+N	-90dB(@0dBu,1kHz,A-wt)/Line
Ground noise	20Hz-20kHz, A-wt, -92dBu
SNR	110dB(@18dBu,1kHz,A-wt)/Line
<b>4. Connect Ports and Indicators</b>	
USB	Type A-B, free driver
RS232	Serial port communication
TCP/IP interface	RJ-45
Indicator light	Colourful led lighting for clip, level, edit, mute
<b>5. Electrical and Physical</b>	
Supply	AC90V ~ 264V 50/60 Hz
Products Dimensions	483mmx215mmx44.5mm
Packaged Dimensions	537mmx343mmx77mm
Net Weight	3.2kg
Packaged Weight	4.2kg
Operating temperature	-20°C ~ 80°C

# Front / Rear Panel



## Machine Dimension Drawings

