

# D6688

## Professional Audio Processor



### Description

This series is a high-quality professional audio processor with 8 analog inputs and 8 analog outputs. This product has built-in DSP functions such as input/output gain controller, noise gate, equalizer, matrix mix, crossover, delayer, and limiter. The device can be controlled through RJ45 drive-free connection to computer web page, controlled by the handheld terminal through the route WIFI login page, or controlled remotely through RS-232/RS-485 connection to the central control, suitable for various applications.

### Features

- 8 analog inputs, 8 analog outputs.
- Support free switching between microphone input and line input.
- With a 48V phantom power supply for each input, controlled by a web switch.
- With input/output level setting, signal generator, delay, noise gate, limiter, etc.
- With matrix mixing control.
- Allow maximum delay time of 1500ms.
- Support TCP/IP for various parameter control on the web side.
- With RS-232, RS-485 and GPIO interfaces for complete control functions.
- With 5-band PEQ adjustable for the input and 9-band PEQ adjustable for the output.
- Support fast switching of multiple scene modes.

### Specifications

Model	D6688
<b>DSP Chip</b>	
Signal Processing	40-bit floating-point SHARC DSP 450MHz
Digital-to-Analog Conversion	24-bit
Sampling Rate	48KHz
<b>Analog Audio Input/Output</b>	
Input Channel	8 balanced inputs Mic/line level
Audio Connector	3.81 mm Phoenix plug, 12-pin
Input Impedance	5.4kΩ
Phantom Power	+48VDC, 6.5mA per input channel

Input Analog Gain	-5/0/5/10/20/29/37/43
Maximum Delay Setting Per Output Channel	1500ms
Output Channel	8 balanced outputs line level
Output Impedance	102Ω
Maximum Output Level	8V
<b>Audio Indicators</b>	
Frequency Response Curve	20Hz-20kHz (±1dB)
THD+N	-85dB (1kHz, A-wt)
S/N Ratio	95dB (1kHz, A-wt)
<b>Connection and Display</b>	
TCP/IP Network Port	RJ-45
RS232	Phoenix connector (for serial command control)
RS485	Phoenix connector (for serial command control)
GPIO Port	Phoenix connector, for recalling machine archive (customizable function)
Indicator Light	Power, Link
Display Screen	IP address, version
<b>Electrical and Physical Parameters</b>	
Power Supply	AC100V---240V 50/60 Hz
Dimensions	44.5mm×482mm×265mm
Net Weight	3.35kg, 4.3kg
Operating Temperature	-20℃--80℃

## Front / Rear Panel

### Front Panel



### Rear Panel

