

i3600 3 in 6 out Audio Processor



i4800 4 in 8 out Audio Processor



Phonic introduces the multi-functional professional Digital Audio Processors with exceptional sound quality and user versatility!

Features:

- 96kHz/24bit sampling rate
- Input with 15 segment PEQ, output with 10 segment PEQ, high and low pass filter.
- All-pass filter and support Dynamic EQ
- Ethernet remote control via PiWare driver-free application
- Complete front panel user interface provides simple and intuitive
- USB drive-free automatic connection software, support RS232 central control, support TCP/IP wired and wireless control.
- Support mobile APP wireless control.
- Support multi-machine networking and joint debugging, remote monitoring, easy for system integration



i3600 & i4800 have excellent sound quality, with the minimum latency **1.8ms** (input to output, analogue). You can instantly access and modify the tour & FOH sound parameters through the front panel buttons. The audio signal can also be switched freely between input and output channels through software. The flexibility of PiWare software ensures the simplicity of system operation.

Each Input channel is equipped with compressor and limiter, FIR filter, 15-band parametric equalizer, 28-band graphic equalizer, Dynamic EQ and up to 1000 ms delay, these are all standard configuration for high-performance processing.

The output routing can be configured as a hybrid matrix mode, free routing or several pre-configured routing options. Flexible channel connections make the configuration of ordinary speaker systems quick and convenient. A wide range of filter types specify 10 parametric equalizers, all-pass filters, and 6 FIR filters, with a maximum delay of 1000 ms. The limiter uses the predictive offset limiter (PXL) algorithm to provide precise speaker power control with the lowest distortion.

*The front panel control provides instant mute input or output, edits all parameters and recalls presets.

*Using a PC or tablet with Windows and Android systems, you can control all i3600/i4800 devices on the network through the PiWare ethernet control software, and can also store as a preset and offline pre-configured system.



Back Panel & Dimensions:



Specifications:

DSP MODULE	
Signal processing	ADI SHARC 21489
Audio system delay	1.8 ms
D/A conversion	24-bit
Sampling Rate	96kHz
ANALOG AUDIO INPUTS AND OUTPUTS	
Input channel	3 / 4 balanced inputs. Line level
Audio interface	Cannon male and female
Input resistance	11k Ω
Maximum input level	16 dBu/Line
Output channel	6 / 8 balanced outputs, Line level
Output impedance	100 Ω
AUDIO PERFORMANCE SPECIFICATIONS	
Frequency response curve	20Hz ~ 40kHz(\pm 0.5dB)/Line
Noise floor	20Hz ~ 20kHz, A-wt, -93dBu
THD+N	-90dB(@0dBu, 1kHz,A-wt)/Line
SNR	108dB(@16dBu, 1kHz,A-wt)/Line
COMMUNICATION PORTS AND INDICATORS	
USB	Micro-B type, free drive
RS232	Serial port communication
TCP/IP network port	RJ-45
Indicator light	CLIP, LEVEL, EDIT, MUTE
ELECTRICAL AND PHYSICAL	
Power supply range	AC 90V ~ 264V 50/60 Hz
Operating temperature	-20 $^{\circ}$ C ~ 80 $^{\circ}$ C
Product dimension	483mm \times 226mm \times 44.5mm
Packed dimension	540mm \times 345mm \times 77mm
Net weight	3.2kg
Packed weight	4.1kg

