



Features

- ▶ Dedicated software for precise function and parameter adjustment
- ▶ Setup Wizard streamlines setup through real-time analyzer readings
- ▶ 2 balanced XLR input connectors and 6 balanced XLR output connectors
- ▶ AES/EBU digital connectivity for connecting to digital devices with flawless audio
- ▶ Make adjustments via computer or take control via front-panel controls
- ▶ Adjustable low and high pass filters for 6-way mono, 3-way stereo crossover application
- ▶ 4-band parametric EQ with adjustable frequency, Q and level ($\pm 12\text{dB}$)
- ▶ EQ bands selectable between band-pass, shelf or peaking-type
- ▶ EQ on inputs 1 and 2 adjustable between 15-band and 7-band GEQs
- ▶ Delay on all input and output channels with fine adjustment control
- ▶ Delay time adjustable up to 298 seconds / 203 meters
- ▶ A.G.C. (Automatic Gain Control) on inputs limits maximum audio and reduces distortion
- ▶ Sub-harmonic generator on inputs for improving low-end response
- ▶ Feedback eliminator on inputs removes unwanted feedback
- ▶ Noise gate on inputs for removing rumble and other unwanted noise
- ▶ 180 degree phase reverse switch on all output mixes
- ▶ Save and recall settings to computer; store up to 50 presets in one file
- ▶ Security key locking system for protecting your setup from unauthorized operation
- ▶ Precise RTA for real-time adjustment on every critical condition

Description

Phonic introduces the i2600 speaker management system, an all inclusive solution that completely redefines speaker EQ and crossover management for speakers. Phonic's i2600 features 2 balanced inputs including 1 channel precise RTA and 6 balanced outputs in addition to offering AES/EBU digital connectivity. The Phonic i2600 software incorporates numerous state-of-the-art functions and allows for precise adjustment of 4 band parameter equalizers, 15 band graphic equalizers, input and output delay alignment, crossovers, gates, compressors, limiters, phase reversal, feedback elimination, and sub-harmonic generator. Two manners of control are provided to customers: all programs and parameters can be controlled through either the PC software or by using the onboard controls.

Dimensions



Specifications

Number of Analog Input	2 (Balanced Female XLR)
Number of Analog Output	6 (Balanced Female XLR)
Number of S/PDIF Digital Input	1 Stereo (XLR Female)
PC Remote Configuration	Yes
Front Panel Configuration	Yes
Matrix Mixer	Inputs Routing
Noise Gate	Pc Sw adjustable Noise Gate
Automatic Gain Controller (AGC)	Automatic Gain Controller for averaging the Input Signal Level
EQ	15-band GEQ Symmetrical Bell Filters OR 7-bands PEQ on inputs; 4-band PEQ on each output (all filters Bell/Shelving)
Filter (LPF/HPF)	Up to 24dB/Oct HP/LP on each output
RMS Compressor	RMS Compressor with 0.1dB precision Logarithmic ratio
PEAK Limiter	Peak Limiter on each output
Delay	Up to 600ms on each Input/Output (22uS step)
Presets	Up to 50 with factory presets
USB port	Yes (on the front panel)
Special Features	
Special Feature 1	RTA and auto EQ on 15 band GEQ
Special Feature 2	Sub Harmonic Synthesizer
Special Feature 3	Feedback Eliminator, stereo 7 notches on inputs
Special Feature 4	STEREO and DUAL MONO operating modes
Special Feature 5	Direct access to channels for editing through front panel buttons
Special Feature 6	The Vu-Meters can be assigned to display the Output Level, the RMS Compressor or the PEAK Limiter Activity
Special Feature 7	Auto Save function for the current editing when shutting down the unit
Special Feature 8	Password System for Unit Lock
Special Feature 9	TCP/IP interface
A/D Performance	
Dynamic Range	
A-Weighted	114 dB
Unweighted	111 dB

THD+N		
-1dB		-100 dB
-20dB		-91dB
-60dB		-51dB
Interchannel Isolation		110 dB
Interchannel Gain Mismatch		0.1 dB
Sampling Frequency		48kHz
D/A Performance		
Dynamic Range		
A-Weighted		114 dB
Unweighted		111 dB
THD+N		
-1dB		-100 dB
-20dB		-91dB
-60dB		-51dB
Interchannel Isolation		90 dB
Interchannel Gain Mismatch		0.1 dB
Sampling Frequency		48kHz
System Performance		
Input Impedance		> 110 kOhm
Output Impedance		< 7 kOhm
Max Input Level	16 dBu	(THD+N=0.01%)
Max Output Level	16 dBu	(THD+N=0.01%)
Ground Floor Noise		
Unweighted	-51dBu	0 Gain
A-Weighted	-84dBu	0 Gain
Filtered LP22kHz (AP)	-86dBu	0 Gain
S/N		
Unweighted	67dBu	0 Gain
A-Weighted	100dBu	0 Gain
Filtered LP22kHz (AP)	102dBu	0 Gain
THD+N (0 dB at 1kHz, processes flatten)		0.005%
CMRR		>45dBu (47dBu)
Frequency Resposnse (0 dB, processes flatten)	-0Bu (20Hz) / 0dBu (1kHz) / 0.7dB (20kHz)	
Interchannel Crosstalk		<-110dBu
Crosstalk Input to Output		<-100dBu
LCD Type	Alphanumeric 2x24 Characters	
Operating Voltage	100-1240VAC 50/60Hz Switch Mode Power Supply	