

## i7600

Dual 30-Band 1/3 Octave Digital Graphic Equalizer with RTA



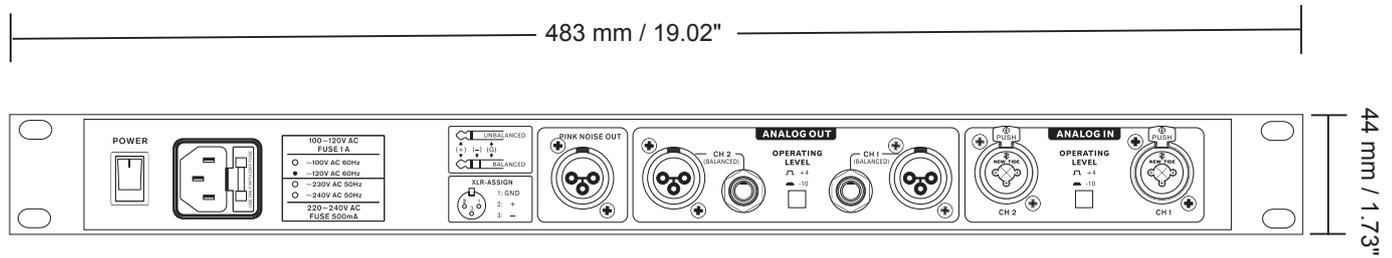
## Features

- ▶ Doubles as dual-channel 30-band real-time spectrum analyzer (RTA)
- ▶ 24-bit A/D and D/A converters with 256/512 times over sampling for high headroom and resolution
- ▶ Internal 32-bit/44.1 KHz processor
- ▶ Provides 12 dB of boost or cut
- ▶ Channel-link function
- ▶ Stores up to 60 programs: 30 factory-set, 30 user-defined
- ▶ Selectable unit of measurement for RTA line signal: dBu or dBV
- ▶ Six view range options for band-level measurement
- ▶ Six response time options
- ▶ Peak-hold options: permanent and none
- ▶ Three weighting options: A weighting, C weighting, and flat
- ▶ Pink noise generator outputs balanced test signals at 0 dB
- ▶ Bypass function
- ▶ Variable low-pass filter (LPF) and high-pass filter (HPF)
- ▶ Balanced XLR and 1/4" TRS inputs and outputs
- ▶ Operating levels of +4 dBu and -10 dBV independently selectable for input and output
- ▶ 780 bright LED indicators
- ▶ Rack mountable in one rack-space chassis

## Description

Phonic's i7600 SUPRACURVE combines the best features of a digital equalizer and a real-time spectrum analyzer (RTA) into one rack space unit. Dual 30 x 13-segment LED chains provide clear and immediate frequency setting displays. Additionally, each EQ section can be bypassed for quick comparison between the processed and unprocessed sounds.

### Dimensions



### Specifications

<b>INPUT</b>	
Connectors	Balanced XLR and 1/4" TRS (combo)
Nominal Operating Level	+4 dBu or -10 dBV (determined by a rear panel switch)
Impedance	20k ohms
Maximum Input Level	+16 dBu
<b>OUTPUT</b>	
Connectors	Balanced XLR and 1/4" TRS
Nominal Operating Level	+4 dBu or -10 dBV (determined by a rear panel switch)
Impedance	220 ohms
Maximum Output Level	+16 dBu
<b>SYSTEM</b>	
Frequency Response	20 Hz to 22 kHz, +/- 0.5dB
Dynamic Range	96 dB typical
THD	0.004% typical at +4 dBu, 1 kHz
S/R	< -90 dB
Crosstalk	< -80 dB, 20 Hz to 22 kHz
<b>FUNCTIONS</b>	
EQ Module	Dual ISO-standard 30-band, 1/3-octave, 20 Hz to 20 kHz, LPF, HPF, channel gain
RTA Module	Response time, level view range, weighting, peak hold, pink noise
<b>DIGITAL PROCESSING</b>	
Converters	32-bit sigma-delta, 64/128-times oversampling
Sampling Frequency	44.1 kHz
PROGRAM MEMORY	30 factory-set programs (read only), 30 user-defined programs (read/write)
<b>FRONT PANEL</b>	
Switches	EQ/RTA, Bypass
Rotary Controls	Graphic Edit, Function Edit
Display	Digital alphanumeric LCD
<b>REAR PANEL</b>	
Connectors	Input x 2 (XLR and 1/4" TRS combo), Output x 2 (XLR and 1/4 TRS), pink noise (XLR)
Switches	Input operating level switch (+4 dBu/-10 dBV). Output operating level switch (+4 dBu/-10 dBV).
<b>POWER REQUIREMENTS</b>	
USA/Canada	~120 V AC, 60 Hz
UK/Australia	~240 V AC, 50 Hz
Europa	~230 V AC, 50 Hz
Fuse	100-120 V AC: 1 A, 200-240 V AC: 0.5 A
Power consumption	15 W
Power connector	Standard IEC receptacle
<b>PHYSICAL</b>	
Dimensions (WxHxD)	483 x 44 x 206 mm (19.02" x 1.73" x 8.11 ")
Weight	2.5 kg (5.5 lbs)