

i7600 Dual 30 Band 1/3 Octave Digital GEQ w RTA

Dual-channel 30-band, 1/3-octave digital graphic equalizer
Dual-channel 29-band real-time spectrum analyzer (RTA)
24-bit A/D and D/A converters and 32-bit digital signal processor (DSP)
Stores up to 60 programs: 30 factory set, 30 user-defined
Pink noise generator outputs balanced test signals at 0 dB
Variable low-pass filter (LPF) and high-pass filter (HPF)



FEATURES

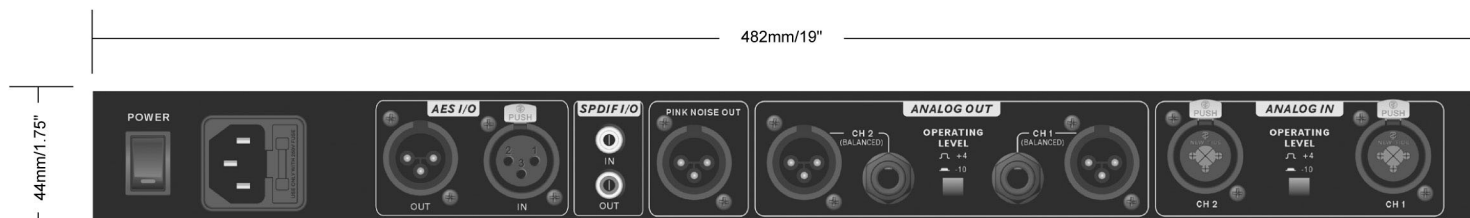
- Dual-channel 30-band, 1/3-octave digital graphic equalizer
- Dual-channel 29-band real-time spectrum analyzer (RTA)
- 24-bit A/D and D/A converters with 256/512 times over sampling for high headroom and resolution
- Internal 32-bit/44.1 KHz processor
- Provides 12 dB of boost or cut
- Channel-link 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

Phonic's SUPRACURVE i7600 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.

Specifications

INPUT	
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
OUTPUT	
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
SYSTEM	
Frequency Response	20 Hz to 22 kHz, +/- 0.5 dB
Dynamic Range	96 dB typical
THD	0.004% typical at +4 dBu, 1 kHz
S/N	< -90 dB
Crosstalk	< -80 dB, 20 Hz to 22 kHz
Processing Latency	< 1.5 ms
FUNCTIONS	
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

DIGITAL PROCESSING	
Converters	32-bit sigma-delta, 256/512-time oversampling
Sampling Frequency	44.1 kHz
PROGRAM MEMORY	
30 factory-set programs (read only), 30 user-defined programs (read/write)	
FRONT PANEL	
Switches	EQ/RTA, Bypass
Rotary Controls	Graphic Edit, Function Edit
Display	Digital alphanumeric LCD
REAR PANEL	
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)
POWER REQUIREMENTS	
USA/Canada	~120 V AC, 60 Hz
UK/Australia	~240 V AC, 50 Hz
Europe	~230 V AC, 50 Hz
Fuse	100-120 V AC: 100 mA, 200-240 V AC: 50 mA
Power consumption	15 Watts
Power connector	Standard IEC receptacle
PHYSICAL	
Dimensions (W x H x D)	483 x 44 x 206 mm (19 x 1.75 x 8 inches)
Weight	2.5 kg (5.5 lbs)



Back Panel

PHONIC