

EQ 30 / 15 Band Stereo Equalizer



BostonAudio EQ-30

FEATURES

The EQ30 Series were designed to meet the needs of the most demanding sound reinforcement environments, while offering the simplicity of straight forward controls. The EQ30 provides standard features like dual channels, 15 2/3 octave bands, ISO frequency centers, +/-12 dB input gain range, and switchable 40Hz/18 dB per octave low-cut filters, but also includes other thoughtful features. These include 45 mm faders; selectable +/-6dB or +/-15dB boost/cut range for precise gain adjustments; XLR, barrier strip, and 1/4" TRS connectors for installation ease; balanced inputs and outputs for quiet operation; and chassis/signal ground lift capabilities for quick hum isolation. The visionary design of the Bostonaudio EQ30 makes your job easier.

REVOLUTIONARY ENGINEERING

The Bostonaudio EQ30 Equalizers were precision engineered to provide years of maintenance-free operation in any application. The magnetically isolated transformer, electronically balanced/unbalanced inputs and servo balanced/unbalanced outputs, RF-filtered inputs and outputs, and power-off hard-wire relay bypass with 2 second power up delay were steps our engineers took to ensure compatibility for all installations. Only the best components were utilized, yielding a 10Hz to 50kHz frequency response, greater than 90dB SNR (ref +4dBu), less than 0.005% THD +Noise (1kHz at +4dBu), and interchannel crosstalk of less than -80dB from 20Hz to 20kHz. All this attention to detail is contained in a 2U steel/aluminum chassis.

SPECIFICATIONS

Inputs

Connectors 1/4" TRS, female XLR (pin 2 hot), and barrier terminal strip
Type: Electronically balanced/unbalanced, RF filtered
Impedance Balanced 40k Ω , unbalanced 20k Ω
Max Input Level: >+21dBu balanced or unbalanced
CMRR: >40dB, typically >55dB at 1kHz

Outputs

Connectors: 1/4" TRS, male XLR (pin 2 hot), and barrier terminal strip
Type: Impedance- balanced/unbalanced, RF filtered
Impedance: Balanced 200 Ω , unbalanced 100 Ω
Max Output Level: >+21dBu balanced/unbalanced into 2k Ω or greater >+18dBm balanced/unbalanced (into 600 Ω)

System Performance

Bandwidth: 20Hz to 20kHz, +0.5/-1dB
Frequency Response: <10Hz to >50kHz, +0.5/-3dB
+/-15dB range +/-6dB range
Dynamic Range: 109db 115db
Signal-to-Noise: 90db 97db
THD+Noise: <0.005%
Interchannel Crosstalk: <-80dB, 20Hz to 20kHz

Function Switches

EQ Bypass: Bypasses the graphic equalizer section in the signal path
Low Cut (recessed): Activates the 40Hz 18dB/octave Bessel high-pass filter
Range (recessed): Selects either +/- 6dB or +/- 15dB slider boost/cut range

Indicators

Output Level: 4-LED bar graph (Green, Green, Yellow, Red) at -10, 0, +10, and +18dBu
EQ Bypass: 1 LED: red
Clip: 1 LED: red
Low Cut: 1 LED: red
+/-6dB: 1 LED: green
+/-12dB: 1 LED: red

Power Supply

Operating Voltage: 100VAC 50/60Hz, 120VAC 60Hz, 230VAC 50/60Hz
Power Consumption: EQ30 24W; EQ60 24W

Physical

Dimensions EQ30: 8.9cm x 48.3cm x 20.1cm
EQ60: 13.4cm x 48.3cm x 20.1cm
Weight: EQ30: 8.5 lbs. 11KG
EQ60: 10.6 lbs. 12KG