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Professional Graphic Equalizer

Precise Processing Power



PROCESSORS

EQ-231 Professional Graphic Equalizer

The EQ-231 is a professional 31-band stereo graphic equalizer for both live and studio applications. Designed and built for precision and performance, its basic yet comprehensive controls ensure accuracy as well as flexibility when tweaking your audio signals. With its stereo 31-bands with +/- 12dB range, Low Cut and EQ Bypass, shaping your sound is now so easy and precise with the EQ-231.



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EQ-231 Professional Graphic Equalizer

Features

- Two 31-band, 1/3-octave Constant Q frequency bands
- Switchable boost/cut ranges of ± 6 or ± 12 dB
- 12 dB per octave 50Hz low-cut filter
- Front-panel bypass switch
- ± 12 dB input gain range
- 4-segment LED ladders for monitoring output levels
- XLR and TRS Inputs and Outputs
- Internal Toroidal Transformer
- Frequency Response from 20Hz to > 50 kHz
- Dynamic range from greater than 108dB

Highlights



Range +/-6 / +/-12



EQ by pass



Low Cut



Ventilation



SPECIFICATIONS

EQ-231

| | |
|---------------------------|---|
| Inputs | |
| Connectors | 1/4" TRS, female XLR (pin 2 hot) |
| Type | Electronically balanced/unbalanced, RF filtered |
| Impedance | Balanced 40k Ω , unbalanced 20k Ω |
| Max Input Level | $>+21$ dBu balanced or unbalanced |
| CMRR | >40 dB, typically >55 dB at 1kHz |
| Outputs | |
| Connectors | 1/4" TRS, male XLR (pin 2 hot) |
| Type | Impedance-balanced/unbalanced, RF filtered |
| Impedance | Balanced 100 Ω , unbalanced 50 Ω |
| Max Output Level | $>+21$ dBu balanced/unbalanced into 2k Ω or greater $>+18$ dBm balanced/unbalanced (into 600 Ω) |
| System Performance | |
| Bandwidth | 20Hz to 20kHz, $+0.5/-1$ dBK |
| Frequency Response | <10 Hz to >50 kHz, $+0.5/-3$ dBK |
| Dynamic Range | 108dB |
| Signal-to-Noise | 90dB |
| THD+Noise | $<0.004\%$ |
| Interchannel Crosstalk | <-80 dB, 20Hz to 20kHz |
| Function Switches | |
| EQ Bypass | Bypasses the graphic equalizer section in the signal path |
| Low Cut | Activates the 50Hz 12dB/octave high-pass filter |
| Range | Selects either +/- 6dB or +/- 12dB slider boost/cut range |
| Power Supply | |
| Operating Voltage | 240VAC 50/60Hz |
| Power Consumption | 18W |
| Mains Connection | IEC receptacle |
| Physical | |
| Dimensions (H x D x W) | 3.5" x 6" x 19" |
| Weight | 2.72kg |

• The manufacturer reserves the right to make changes or improvements in manufacturing or design which may affect specifications.

