

dbx 231 Dual 31 Band Graphic Equalizer



With a lineage extending back to the revered 12 and 20 Series graphic equalizers, the dbx® 231 easily lives up to the dbx reputation at a price point which can find a home in the tightest of budgets. Besides including two 31-band channels of 1/3-octave equalization, the 231 also offers ± 6 or ± 12 dB boost/cut range; XLR, 20mm faders and 1/4" inputs; nonconductive nylon sliders; and an intuitive user interface with comprehensive output and gain reduction metering. As always, the inevitable result of our meticulous attention to detail and top-quality componentry is exceptional sound, performance, and reliability.

The 2-Series represents a major step forward in the performance of entry-level graphic equalizers. From its amazing 10Hz to 50kHz frequency response, to its 108dB dynamic range and internal toroidal transformer, the 2-Series offers out of this world specifications with a down to earth price point. Sure to find a home in the studio, on tour and with installed sound venues, the 2-Series is destined to take its rightful place in the lineage of great dbx® signal processors that are the Professional's Choice™. With such affordable quality, there's no longer any excuse for compromising your sound.

Features:

- Two 31-band, 1/3-octave Constant Q frequency bands
- Switchable boost/cut ranges of ± 6 or ± 12 dB
- 12dB per octave 40Hz 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 of <10Hz to >50kHz
- Dynamic range of greater than 108dB

Technical Specifications

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, $+0.5/-1$ dB
Frequency Response: <10 Hz to >50 kHz, $+0.5/-3$ dB
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 ± 6 dB or ± 12 dB slider boost/cut range

Power Supply

Operating Voltage: 100VAC 50/60Hz, 120VAC 60Hz, 230VAC 50/60Hz
Power Consumption: 15W
Mains Connection: IEC receptacle

Note: Specifications subject to change.

*A Harman International Company
The Professional's Choice In Signal Processing*