

231

Dual Channel 31-Band Graphic Equalizer

dbx[®]

PROFESSIONAL PRODUCTS

VISIONARY DESIGN

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 ± 12 dB input gain range; switchable ± 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.

REVOLUTIONARY ENGINEERING

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 <10 Hz to >50kHz**
- **Dynamic range of greater than 108dB**

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H A Harman International Company



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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: >+21dBu balanced or unbalanced
CMRR: >40dB, typically >55dB 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: >+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

Dynamic Range: 108db
Signal-to-Noise: 90db

THD+Noise: <0.004%
Interchannel Crosstalk:<-80dB, 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: 100VAC 50/60Hz, 120VAC 60Hz, 230VAC 50/60Hz
Power Consumption: 15W
Mains Connection: IEC receptacle

Note: Specifications subject to change.

dbx engineers are constantly working to improve the quality of our products. Specifications are, therefore subject to change without notice.

FOR MORE INFORMATION CONTACT:

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