

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.

dbx PROFESSIONAL PRODUCTS

The Professional's Choice In Signal Processing

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FOR MORE INFORMATION CONTACT:

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