

# 231

Dual Channel 31-Band Graphic Equalizer

**dbx**<sup>®</sup>

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  $\pm 12$  dB input gain range; switchable  $\pm 6$  or  $\pm 12$  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<sup>®</sup> signal processors that are the Professional's Choice<sup>™</sup>. 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  $\pm 6$  or  $\pm 12$  dB**
- **12dB per octave 40Hz low-cut filter**
- **Front panel bypass switch**
- **$\pm 12$  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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# 231

## Dual Channel 31-Band Graphic Equalizer



## SPECIFICATIONS

### Inputs

Connectors: 1/4" TRS, female XLR (pin 2 hot)  
Type: Electronically balanced/unbalanced, RF filtered  
Impedance: Balanced 40k $\Omega$ , unbalanced 20k $\Omega$   
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 $\Omega$ , unbalanced 50 $\Omega$   
Max Output Level:  $>+21$ dBu balanced/unbalanced into 2k $\Omega$  or greater  
 $>+18$ dBm balanced/unbalanced (into 600 $\Omega$ )

### 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  $\pm 6$ dB or  $\pm 12$ 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.

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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The Professional's Choice In Signal Processing

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