

# 231s Graphic EQ

Dual 31-Band Equalizer

**dbx**<sup>®</sup>  
by HARMAN



## Exceptional sound and rugged reliability

When the pros need an EQ, they turn to dbx. With a proven track record that spans four decades, dbx<sup>®</sup> EQ's are the industry standard for touring, studios, and audio installations. With the dbx heritage of revered pro EQs, the 231s meets the needs of the most demanding sound reinforcement environments, while offering the simplicity of straightforward controls.

The dbx 231s includes two 31-band channels of 1/3-octave equalization,  $\pm 12$  dB input gain, switchable  $\pm 6$  dB or  $\pm 12$  dB boost/cut range, 20mm nonconductive sliders, an intuitive user interface, and output level metering. From its extended 10Hz to 50kHz frequency response and 112 dB dynamic range to the quality componentry and meticulous attention to detail, the 231s offers exceptional sound and rugged reliability that guarantees you will always sound your best.

Sure to find a home in the studio, on tour and with installed sound venues, the dbx 231s is destined to take its rightful place in the lineage of great dbx signal processors that are the professional's choice in signal processing. With such affordable quality, there's no longer any excuse for compromising your sound.

## Features

- ▶ Dual 31-band, 1/3-octave Constant Q frequency bands
- ▶ Switchable boost/cut ranges of  $\pm 6$  or  $\pm 12$  dB
- ▶ Front panel bypass switch
- ▶  $\pm 12$  dB input gain range
- ▶ 4-segment LED ladders for monitoring output levels
- ▶ XLR and TRS Inputs and Outputs
- ▶ Frequency Response of <10 Hz to >50kHz
- ▶ Dynamic range of greater than 108dB

### Who uses this product:



BANDS



DJs



SOUND  
INSTALLATION



STUDIO

dbx Professional  
Products

8760 S. Sandy Pkwy.  
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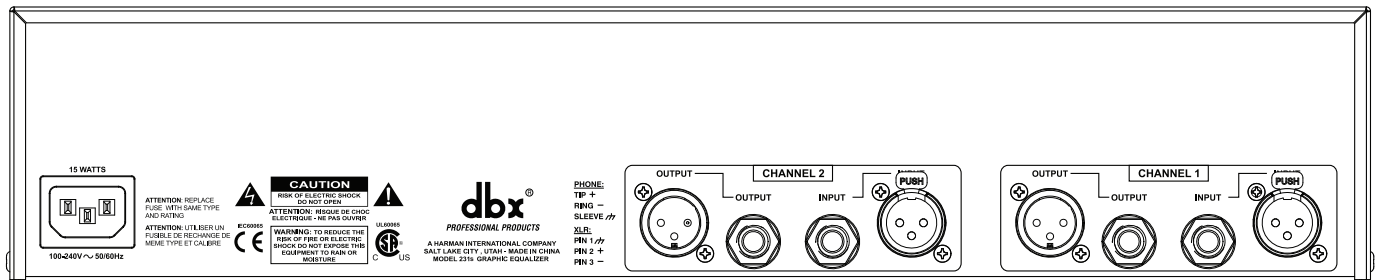
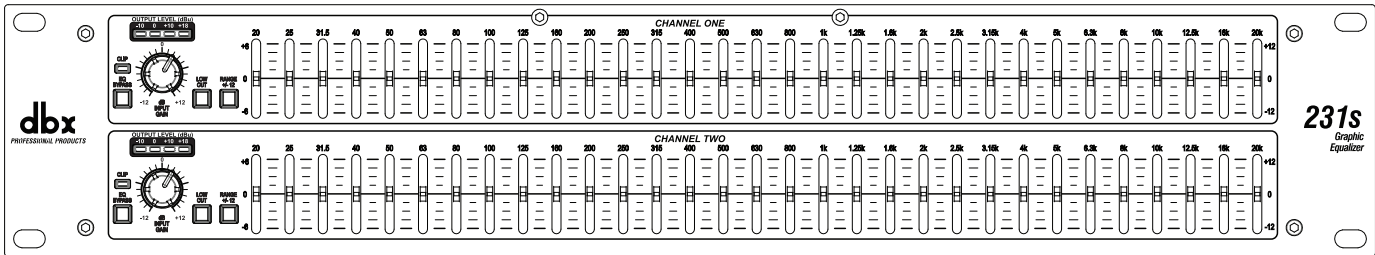
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## Specifications

### 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: >+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 $\Omega$ , unbalanced 50 $\Omega$   
 Max Output Level: >+21dBu balanced/unbalanced into 2k $\Omega$  or greater  
 >+18dBm balanced/unbalanced (into 600 $\Omega$ )

### SYSTEM PERFORMANCE:

Bandwidth: 20Hz to 20kHz, +0.5/-1dB  
 Frequency Response: <10Hz to >50kHz, +0.5/-3dB  
 Dynamic Range: Typically >112dB  
 Signal-to-Noise: Typically >95dB  
 THD+Noise: <0.003%  
 Interchannel Crosstalk: <-90dB, 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: 100-240VAC 50/60Hz  
 Power Consumption: 15W  
 Mains Connection: IEC receptacle

### PHYSICAL:

Weight: 6.2 lbs.(2.81 kg) Shipping weight 7.9 lbs. (3.58 kg)  
 Dimensions: 3.5" (8.9cm) H x 6" (15.24cm) D x 19" (48.26cm) W

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