

231s Graphic EQ

Dual 31-Band Equalizer

dbx
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® 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, ± 12 dB input gain, switchable ± 6 dB or ± 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 ± 6 or ± 12 dB
- ▶ Front panel bypass switch
- ▶ ± 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

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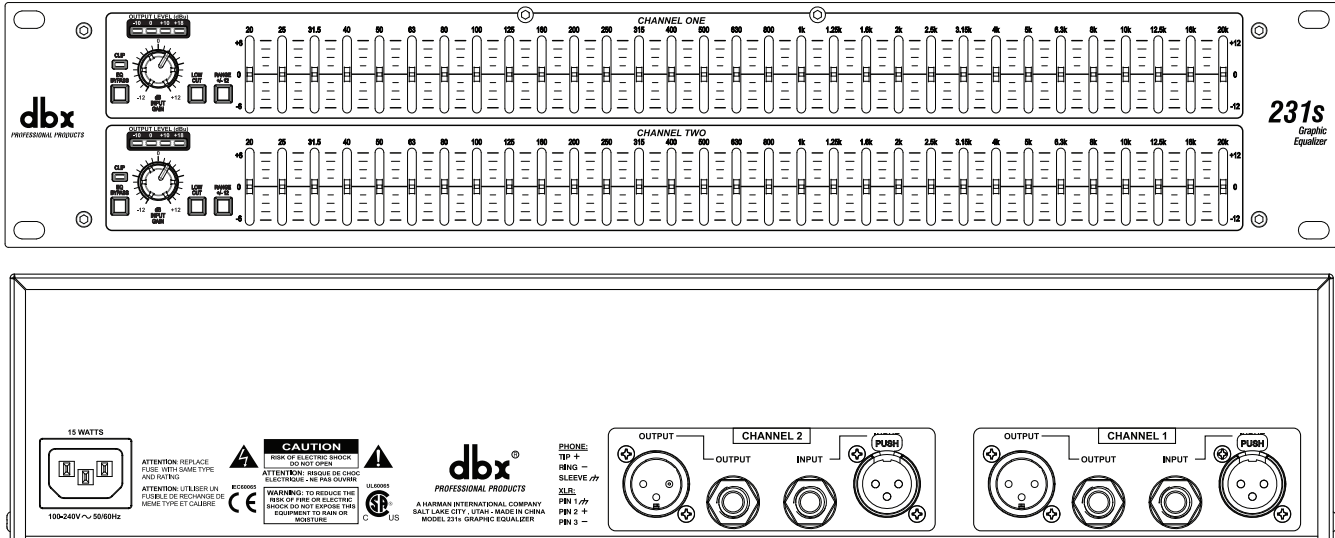
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Specifications

INPUTS:

Connectors:	1/4" TRS, female XLR (pin 2 hot)
Type:	Electronically balanced/unbalanced, RF filtered
Impedance:	Balanced 40k 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:	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.

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