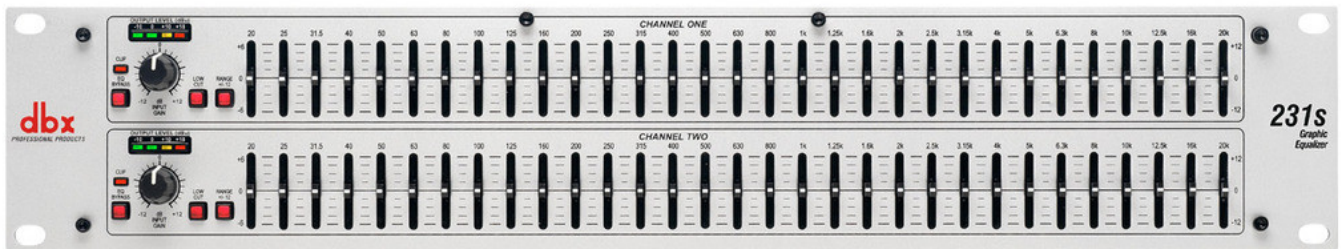


# dbx 231S Dual Channel 31 Band Equalizer



When the pros need an EQ, they turn to dbx. With a proven track record that spans four decades, dbx® EQs 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.

## Specifications

Input Connectors 1/4" TRS, female XLR (pin 2 hot)

Input Type Electronically balanced/unbalanced, RF filtered

Input Impedance Balanced 40k ohm, unbalanced 20k ohm

Max Input  $>+21$ dBu balanced or unbalanced

CMRR  $>40$ dB, typically  $>55$ dB at 1kHz

Output Connectors 1/4" TRS, male XLR (pin 2 hot)

Output Type Impedance-balanced/unbalanced, RF filtered

Output Impedance Balanced 100 ohm, unbalanced 50 ohm

Max Output  $>+21$ dBu balanced/unbalanced into 2k ohm or greater;  $>+18$ dBm balanced/unbalanced (into 600 ohm)

Bandwidth 20Hz to 20kHz,  $+0.5/-1$ dB

Frequency Response  $<10$ Hz to  $>50$ kHz,  $+0.5/-3$ dB

Dynamic Range Typically  $>112$ dB

Signal to Noise Ratio Typically  $>95$ dB

THD+Noise  $<0.003\%$

Interchannel Crosstalk  $<-90$ dB, 20Hz to 20kHz

Bypass Switch Bypasses the graphic equalizer section in the signal path

Low cut Switch Activates the 50Hz 12dB/octave high-pass filter  
Range Switch Selects either +/- 6dB or +/-12dB slider boost/cut range  
Operating Voltage 100-240VAC 50/60Hz  
Power Consumption 15W  
Power Connector IEC receptacle  
Unit Weight 6.2 lbs.(2.81 kg)  
Shipping Weight 7.9 lbs.(3.58kg)  
Dimensions 3.5" (8.9cm) H x 6"(15.24cm) D x 19" (48.26cm) W

[dbx 231S Dual Channel 31 Band Equalizer Manual](#)