

451

SINGLE CHANNEL 31 BAND, PRECISION GRAPHIC EQUALIZER



The 451 31-Band 1/3 Octave Graphic Equalizer may be used in a variety of applications such as live sound, recording studios, instrument racks, DJ sound systems and fixed equipment installations. Designed to interface into any audio system, the 451 is a powerful tool for solving audio problems and creating interesting sound textures.

The 451 possesses a long list of impressive features including: Constant-Q circuitry, 20mm center detent sliders (with a selectable boost/cut range of 6dB or 12dB), balanced XLR and 1/4" and unbalanced RCA input and output connections, adjustable high pass and low pass filters, variable input level control, signal clip

level indicator, ground lift switch, internal power supply and selectable line voltage switch.

The rugged, all-steel constructed chassis occupies 1U rack spaces and is intended for installation into standard 19" equipment racks. This 31 Band EQ has the features and performance you need for any of your audio applications requiring precise equalization.

For the latest in equalizer technology today, check out the 451 at your favorite ART dealer.

451 SPECIFICATIONS

Frequency Bands:	31, 1/3 octave, ISO spacing
Filter Type:	Constant Q - 3% center accuracy
Slider Travel:	20mm w/ positive center detent
Range:	+/-6dB or +/-12dB selectable
High Pass Filter	10Hz to 250Hz, 12dB/oct
Low Pass Filter	3kHz to 40kHz, 12dB/oct
Input Connections:	Active balanced XLR and 1/4" TRS (XLR pin 2, 1/4" tip = Hot (+)) Unbalanced RCA
Input Impedance:	24k ohms (bal), 12k ohms (unbal)
Max. Input Level:	+19dBm
Output Connections:	Active balanced XLR and 1/4" TRS (XLR pin 2, 1/4" tip = Hot (+)) Unbalanced RCA
Output Impedance:	<150 ohms (typ)
Max. Output Level:	+19dBm
Frequency Response:	20Hz to 20kHz, +0.5dB
THD + Noise:	0.01%
Signal to Noise Ratio:	94dB
Power: (Switchable)	95-130VAC, 50/60Hz, 9 watts (USA) 190-250VAC, 50Hz (Export)
Dimensions:	1.75"H x 19" W x 7" D
Weight:	7.5lbs. (3.4kg)

451 FEATURES:

- ✓ SINGLE CHANNEL 31-BAND GRAPHIC EQUALIZER
- ✓ CONSTANT-Q FILTERING
- ✓ BALANCED XLR, ACTIVE BALANCED 1/4", AND UNBALANCED RCA INPUT AND OUTPUT CONNECTORS
- ✓ +/- 6DB OR +/-12DB LEVEL ADJUSTMENTS
- ✓ VARIABLE HIGH-PASS AND LOW-PASS FILTERS
- ✓ GROUND LIFT
- ✓ 20MM CENTER DETENTED FREQUENCY BAND SLIDERS

APPLICATIONS:

- Live Sound Systems / PA
- Permanent/ Fixed Installations
- Church, Club, and Practice PA Systems
- DJ Sound Systems
- Monitor Systems
- Home and Project Recording Studios

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