

GEQ1500 / GEQ3100

GEQ1500 Dual Channel 15-Band Graphic Equalizer

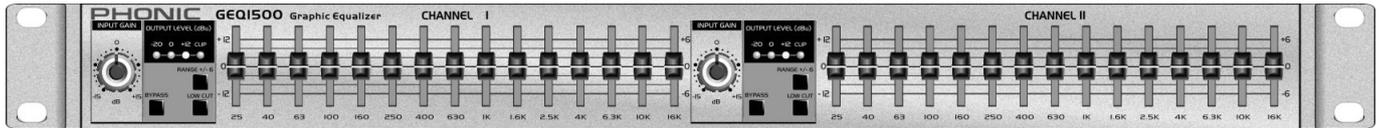
GEQ3100 Dual Channel 31-Band Graphic Equalizer

Switchable boost/cut ranges of ± 6 or ± 12 dB

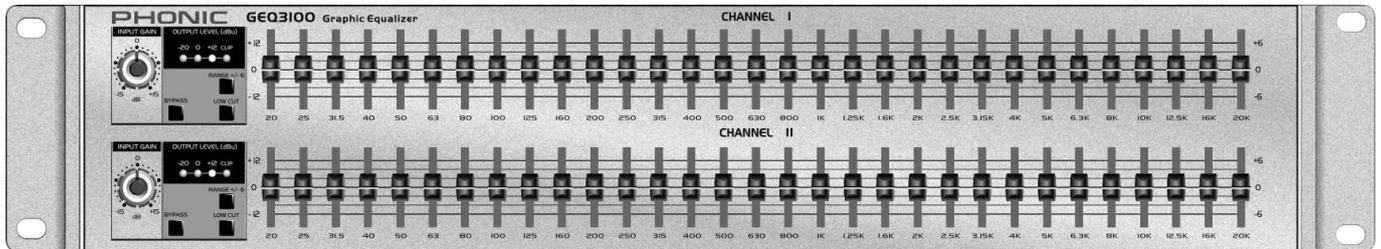
12 dB per octave 50Hz low-cut filter

4-segment LED meter for monitoring output levels

GEQ1500



GEQ3100



FEATURES:

- ▶ GEQ1500 – Two 15-band, 2/3-octave Constant Q frequency bands
- ▶ GEQ3100 – Two 31-band, 1/3-octave Constant Q frequency bands
- ▶ Switchable boost/cut ranges of ± 6 or ± 12 dB
- ▶ 12 dB per octave 50Hz low-cut filter
- ▶ Front-panel bypass switch
- ▶ ± 15 dB input gain range
- ▶ 4-segment LED meter for monitoring output levels
- ▶ XLR and TRS Inputs and Outputs
- ▶ Internal Toroidal Transformer
- ▶ Frequency Response of $<10\text{Hz}$ to $>50\text{kHz}$
- ▶ Dynamic range greater than 108dB

The Phonic GEQ1500 and GEQ3100 are powerful two-channel graphic equalizers and one of the best solutions for room compensation, feedback reduction, and vocal and instrument enhancement. Each unit delivers the quality and dependability that one has come to expect from Phonic gear. Precision center detented controls allow users to adjust the 15 (1500) or 31 (3100) frequency bands on each channel, with a useful switch swapping the range between ± 6 and ± 12 dB, allowing fine adjustments of the entire audio spectrum. The useful low cut filter quickly and effectively eliminates unwanted elements like stage rumble and low frequency interference. The output level for each channel is displayed on an 4-segment LED meter, and a hard-wired bypass switch is provided for quick comparison between processed and unprocessed output sounds (and works even when the unit is off). Designed to meet the most stringent requirements for performance and workmanship, the GEQ graphic equalizers bring you the power to shape your sound like never before.

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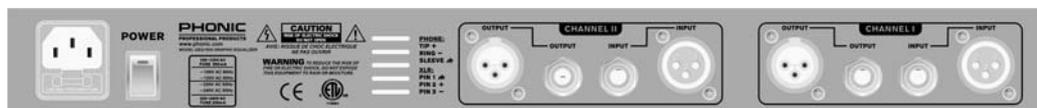
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Specifications

	GEQ1500	GEQ3100
INPUT		
Connectors	1/4" TRS, female XLR (pin 2 hot)	1/4" TRS, female XLR (pin 2 hot)
Type	Electronically balanced/unbalanced, RF filtered	Electronically balanced/unbalanced, RF filtered
Impedance	Balanced 40k ohm, unbalanced 20k ohm	Balanced 40k ohm, unbalanced 20k ohm
Max Input Level	>+21dBu balanced or unbalanced	>+21dBu balanced or unbalanced
CMRR	>40dB, typically >55dB at 1kHz	>40dB, typically >55dB at 1kHz
OUTPUTS		
Connectors	1/4" TRS, male XLR (pin 2 hot)	1/4" TRS, male XLR (pin 2 hot)
Type	Impedance-balanced/unbalanced, RF filtered	Impedance-balanced/unbalanced, RF filtered
Impedance	Balanced 100 ohm, unbalanced 50 ohm	Balanced 100 ohm, unbalanced 50 ohm
Max Output Level	>+21dBu balanced/unbalanced into 2k ohm or greater >+18dBm balanced/unbalanced (into 600 ohm)	>+21dBu balanced/unbalanced into 2k ohm or greater >+18dBm balanced/unbalanced (into 600 ohm)
SYSTEM PERFORMANCE		
Bandwidth	20Hz to 20kHz, +0.5/-1dB	20Hz to 20kHz, +0.5/-1dB
Frequency Response	<10Hz to >50kHz, +0.5/-3dB	<10Hz to 45kHz, +0.5/-3dB
Dynamic Range	108dB	108dB
Signal-to-Noise	90dB	90dB
THD+Noise	<0.004%	<0.004%
Interchannel Crosstalk	<-80dB, 20Hz to 20kHz	<-80dB, 20Hz to 20kHz
FUNCTION SWITCHES		
EQ Bypass	Bypasses the graphic equalizer section in the signal path	Bypasses the graphic equalizer section in the signal path
Low Cut	Activates the 50Hz 12dB/octave high-pass filter	Activates the 50Hz 12dB/octave high-pass filter
Range	Selects either +/- 6dB or +/- 12dB slider boost/cut range	Selects either +/- 6dB or +/- 12dB slider boost/cut range
POWER SUPPLY		
Operating Voltage	100VAC 50/60Hz, 120VAC 60Hz, 230VAC 50/60Hz	100VAC 50/60Hz, 120VAC 60Hz, 230VAC 50/60Hz
Power consumption	12W	15W
Main Connection	IEC receptacle	IEC receptacle

Note: Specifications subject to change without notice.

Back Panel



GEQ1500



GEQ3100



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Information in this document is subject to change without notice

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