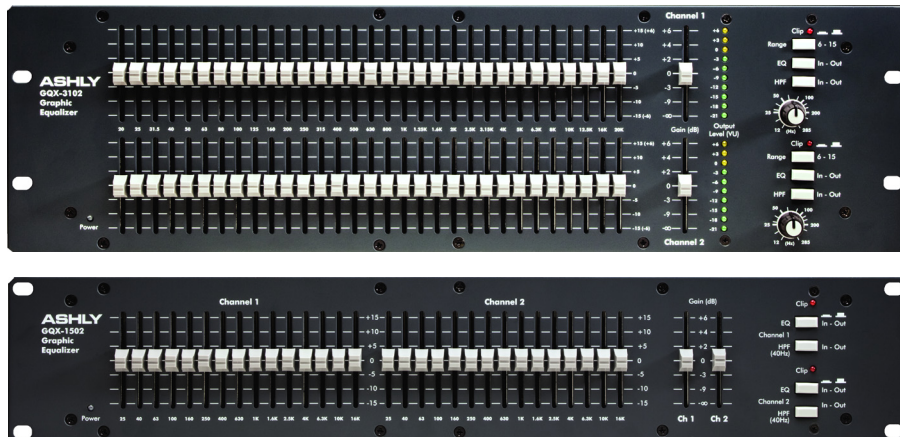


GQX-Series

GQX specifications

GQX-3102 2-Channel 31-Band Equalizer | GQX-1502 2-Channel 15-Band Equalizer



GQX Series graphic equalizers are available in two configurations. The GQX-1502 features two channels of 15-band 2/3-octave equalization and a switchable high-pass filter (40Hz). The GQX-3102 features two channels of 31-band 1/3-octave EQ, a tunable high-pass filter circuit (8Hz to 200Hz), a switch-selectable cut or boost of either 6dB or 15dB. The 45mm full-throw faders are a custom-manufactured metal-shaft type, with the center detented position utilized as an "on/off" switch for that filter which minimizes any possible degradation in signal noise levels. A 10-segment, two color LED meter displays accurately displays your signal level and references 0 VU to +4dBu.

The GQX models are designed to be significantly quiet without the need for noise reduction to be built into the equalizer circuit. Double-sided circuit boards and an extensive ground plane design are used in the filter sections to improve RFI and electrostatic immunity. Precision Wein-Bridge filters and carefully designed summing amplifiers combine to provide extremely accurate response, low noise, negligible distortion, and complete immunity to magnetic fields. All filters exhibit true constant "Q" response with no broadening near the "flat" setting. High slew-rate circuitry throughout the signal path results in clean, quiet, transparent sound. The faders used are a custom-manufactured metal-shaft type, with molded saddle knobs, for the ultimate in reliability and smooth "feel". Ashly's unique "T-Beam" front panel construction eliminates interconnections between the faders and the filters, resulting in a very rugged and rigid front panel.

Input and output connections include locking XLR, 1/4" TRS and Euroblock. Ashly's servo-balanced output circuitry maintains unity gain even if pins 2 or 3 are connected directly to ground. The power supply is a universal switching power supply which operates from 100-240VAC, 50/60Hz with the power switch located on the rear panel.

Features:

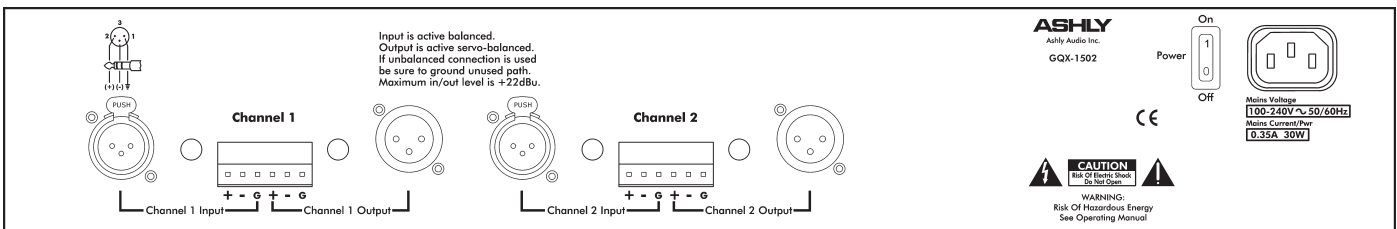
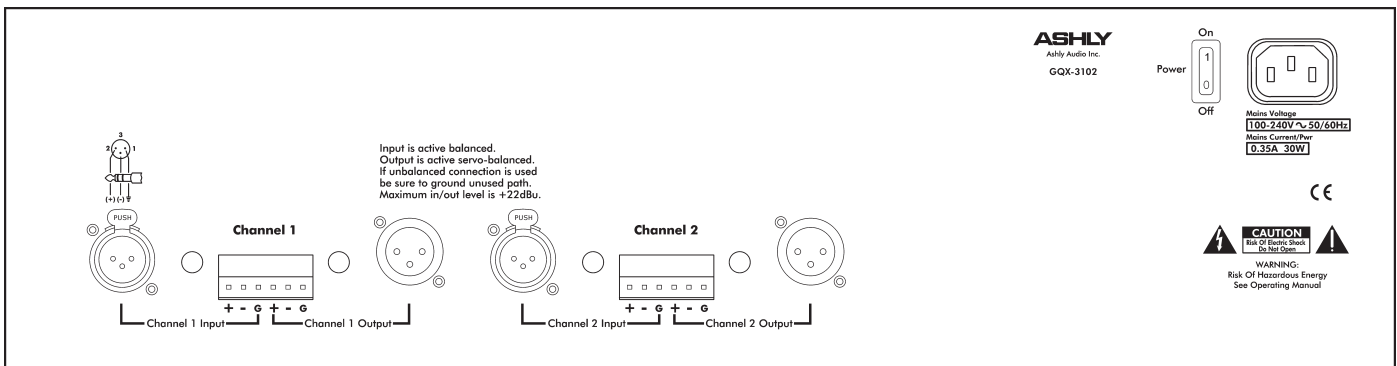
- 1% Tolerance Components for Precise Filter Accuracy
- Precision Wein-bridge filters
- Constant "Q" design
- Switchable Boost/Cut Range of ± 6 or ± 15 dB
- 45mm, Detented Metal Shaft Faders
- 12dB/Octave, 40Hz High Pass Filter
- 10 position, 2-color LED level meter
- Peak LED indicators
- Balanced Inputs
- Servo-balanced Outputs
- XLR, TRS and Euroblock Connections
- Universal 100–240VAC Internal Power Supply
- Rider friendly

Applications:

- Monitor Systems
- FOH Sound Systems
- DJ Systems
- Installations Requiring Fixed EQ
- Recording/Broadcast Studios

GQX-3102 2-Channel 31-Band Equalizer | GQX-1502 2-Channel 15-Band Equalizer

Specification	GQX-3102	GQX-1502
Input	Active Balanced, 20 kohms	Active Balanced, 20 kohms
Max Input Level	+23dBu	+23dBu
Output	Servo Balanced, 110 ohms	Servo Balanced, 110 ohms
Max Output Level	+23dBu	+23dBu
Connectors	XLR, 1/4" TRS, Euroblock	XLR, 1/4" TRS, Euroblock
Frequency Response	20 Hz-20kHz, ± 0.25 dB	20 Hz-20kHz, ± 0.25 dB
THD	<.01%@+20dBu	<.01%@+20dBu
IM Distortion (SMPTE)	<.01%@+20dBu	<.01%@+20dBu
Output Hum & Noise (unweighted)	-93dBu	-95dBu
EIN	-96dBu	-96dBu
Channel Separation	>95dB @ 1Khz	>85dB @ 1Khz
Gain Control	(-) infinity to +6dB	(-) infinity to +6dB
Filter Type	Constant Q/Wein Bridge	Constant Q/Wein Bridge
Filter Number	2x31	2x15
Filter Bandwidth	1/3 Octave	2/3 Octave
Filter Tolerance	+/- 3%	+/- 3%
Filter Range	+/- 15dB	+/- 15dB
Subsonic Filter	12dB/Octave @8-200Hz	12dB/Octave @40Hz
Power Requirements	100-240 VAC (50-60 Hz), 24W	100-240 VAC (50-60 Hz), 24W
Dimensions	19"W x 5.25"H x 8"D	19"W x 3.5"H x 8"D
Shipping Weight	17 lbs.	14 lbs.



Notes:
0dBu = 0.775 VRMS

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