

### ARCHITECTS SPECIFICATIONS

#### GQX-1502

The graphic equalizer shall be stereo (2-channels). Each channel shall consist of 15 bands centered on standard ISO frequencies at intervals of 2/3 octave and covering a frequency range of 25Hz to 16kHz. Individual bands shall be activated by linear slide faders with a 45mm travel, metal actuator shafts and a tactile center detent. The range of equalization per band shall be  $\pm 15$ dB. The equalizer shall have a gain of unity with all sliders centered, and shall have a maximum in/out level of +22dBu. Frequency response shall be  $\pm .25$ dB 20Hz to 20kHz. Hum and noise shall be at least -95dBu and SMPTE intermodulation distortion or THD shall be less than .01% at full output. Input impedance shall be 20k ohm balanced, 10k ohm unbalanced. Output impedance shall be 200 ohm servo-balanced. Inputs and outputs shall be active (transformerless) balanced type on XLR, 1/4" phone

jacks and euroblock connections. Individual filters shall be Wein-bridge type and connected in a summing circuit optimized for minimum filter interaction and constant bandwidth at any slider setting. Boost and cut characteristics shall be fully symmetrical, with the filter being electrically removed from the circuit in the center (flat) position. Individual filters shall be accurate to within 3% of indicated center frequency and shall be non-adjustable to insure long term accuracy. The equalizer shall also include a 12dB per octave high pass filter at 40Hz, equipped with a bypass switch. An LED indicator shall show overload conditions. Input gain shall be adjustable over -infinity to +6dB, and an overall EQ bypass switch shall be included. The equalizer shall weigh 9.5 lbs net and mount in a standard 19" rack using 2 spaces (3.5" high). The power requirement shall be 100-240VAC, 50-60Hz, 24W. The unit shall be an Ashly Audio GQX-1502.

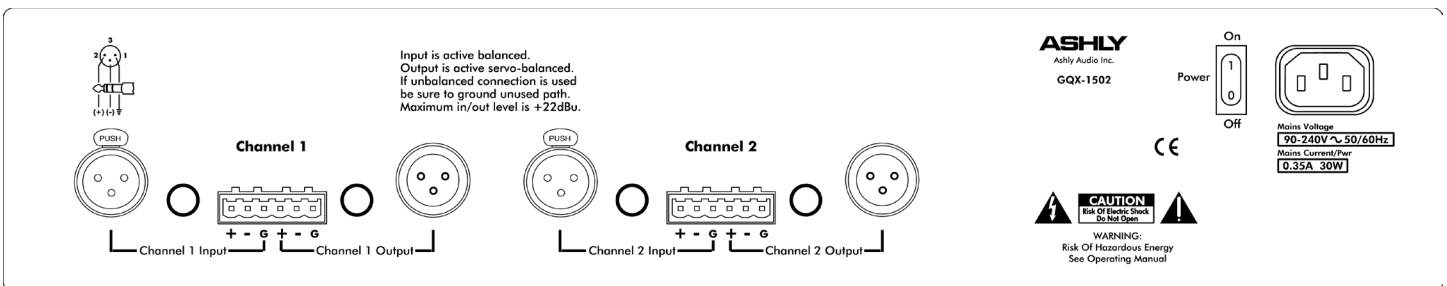
#### Features:

- Constant "Q" Design with Low Ripple and Accurate Response Near the "Flat" Setting
- Precision Wein-bridge Filters for Accurate Response and Low Distortion
- Switchable High Pass Filter
- High Quality Detented Metal-Shaft Fader
- Frequency Sliders Feature Center Detent "Off"
- Balanced XLR, 1/4", and Barrier Strip Inputs
- Servo-Balanced XLR, 1/4", and Barrier Strip Outputs
- 5-Year Worry-Free Warranty
- Safety/Compliance: cTUVus/CE, RoHS
- Rider Friendly

## Specifications GQX-1502

<b>Input</b>	
Type	Active Balanced
Impedance	20K $\Omega$
Max Level	+23dBu
Connectors	1/4" Phone Jack (TRS), XLR, Euroblock
<b>Output</b>	
Type	Servo-Balanced
Source Impedance	100 $\Omega$
Min Load Impedance	600 $\Omega$
Max Level	+23 dBu
Connectors	1/4" Phone Jack (TRS), XLR, Euroblock
<b>Overall</b>	
Frequency Response	20 Hz - 20 kHz $\pm$ 0.25 dB
THD	<.01%@+20dBu
IM Distortion (SMPTE)	<.01%@+20dBu
Output Hum & Noise (unweighted)	-95dBu
Channel Separation	>85dB @ 1Khz
Gain Control	$-\infty$ to +6dB
<b>Filters</b>	
Type	Constant Q/Wein Bridge
Number	2x15
Bandwidth	2/3 Octave
Tolerance	$\pm$ 3%
Range	$\pm$ 15dB +/-6 dB
Subsonic Filter	18dB/Octave @ 40Hz
<b>Power Requirements</b>	
Nominal Voltage	100-240 VAC (50-60 Hz)
Power	24W
<b>Physical</b>	
Shipping Weight	14 lbs
Dimensions	19"Lx3.5"Hx8"D

## Rear Panel GQX-1502



### Applications:

General Tone Control, Feedback Control, Console Channel Equalization, Large Room Equalization for Churches, Studios, Concerts, Dance/Night Clubs, PA Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals

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