

### 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 10Hz to 20kHz. Hum and noise shall be at least -96dBu 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. Inputs and outputs shall be active (transformerless) balanced type on XLR, 1/4" phone jacks and barrier strip terminals. 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 a range of  $\pm 15$ dB, 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 110-115VAC, 50-60Hz, 12W. 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
- UL Listed
- Rider Friendly

## General Specifications GQX-1502

### INPUT

Type: Active Balanced  
 Impedance: 20k ohm  
 Max. Level: +22dBu

### OUTPUT

Type: Servo-Balanced  
 Min. Load Impedance: 600 ohm:  
 Max. Level: +22dBu

Frequency Response: ±.25dB 20Hz-20kHz:  
 IM Distortion (SMPTE): <0.01% @ +20dBu  
 THD (20Hz-20kHz): <0.01% @ +20dBu  
 Equivalent Input Noise (20Hz-20kHz):- 96dBu

### FILTERS

Type: Constant Q/Wein-Bridge  
 Number: 2 X 15  
 Bandwidth: 2/3 Octave ISO Center  
 Tolerance: ±3%  
 Range: ±15dB  
 Subsonic Filter: 12dB/Octave @ 40Hz

### Power Requirements:

120VAC, 50-60Hz, 12W

### Shipping Weight:

10 lbs

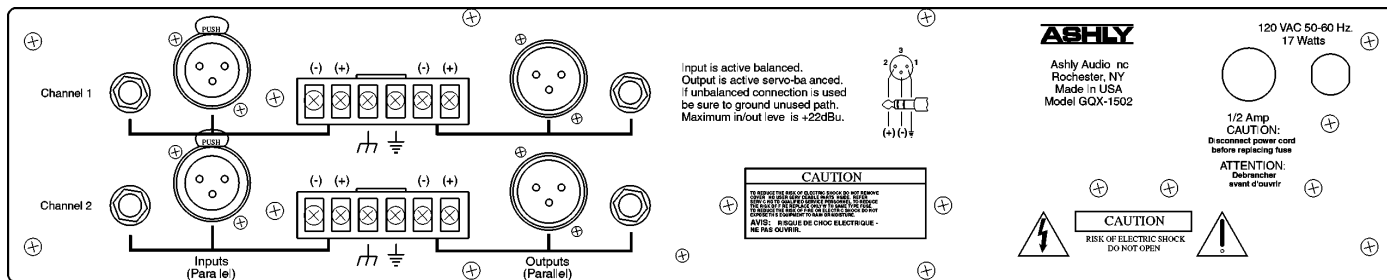
### Dimensions:

19"L x 3.5"H x 6"D

### I/O Connectors:

XLR, 1/4", and Barrier Strip

## Rear Panel GQX-1502



## Applications:

Churches, Studios, Concerts, Dance/Night Clubs, PA Systems, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals

Ashly manufactures a complete and comprehensive line of Graphic and Parametric Equalizers, Electronic Crossovers, Power Amplifiers, Compressor-Limiters, Mixers, and Amplifier Input Options. Please call, write or visit our web site for information on any of these Ashly Products.

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