

**ARCHITECTS SPECIFICATIONS**

**MQX-2150**

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 25mm travel, and a tactile center detent. The range of equalization per band shall be switchable between ±15dB or ±6dB.

The equalizer shall have a gain of unity with all sliders centered, and shall have a maximum in/out level of +23dBu. Frequency response shall be ±.25dB 20Hz to 20kHz. Hum and noise shall be at least -96dBu and SMPTE intermodulation distortion or THD shall be less than 0.01% at +20dBu. Input impedance shall be 20k ohm balanced, 10k ohm unbalanced. Output impedance shall be 200 ohm balanced, 100 ohm unbalanced. Inputs and outputs shall be active (transformerless) balanced type on both XLR and 1/4" phone jacks. Individual filters shall be Wein-bridge type and con-

nected 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 an 18dB per octave high pass filter at 20Hz, internally selectable. A green signal presence and red clip indicators shall show critical operating levels. Input gain shall be adjustable over minus infinity to +6dB, and an overall EQ bypass switch shall be included. The equalizer shall weigh 6.5 lbs net and mount in a standard 19" rack using 1 space (1.75" high). The power requirement shall be 90-125VAC, 50-60Hz, 10W. The unit shall be an Ashly Audio MQX-2150.

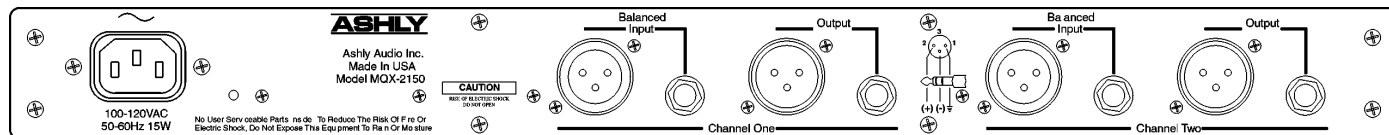
**Features:**

- Constant "Q" design for low ripple and minimum interaction
- Precision Wein Bridge Filters
- Balanced XLRs & 1/4" TRS Jacks on Inputs and Outputs
- Selectable 15dB or 6dB Range
- 18dB/Octave High Pass Filter
- Low Noise Design
- Silent In/Out Switching
- Signal Present and Clip LEDs
- 25mm Fader with Center-Off Position
- 5-Year Worry-Free Warranty

General Specifications MQX-2150		CROSSTALK:	< -90dB, 20Hz-20kHz
INPUT TYPE:	Active Balanced	FILTER TYPE:	Constant Q/Wein Bridge
INPUT IMPEDANCE:	20K ohm Balanced, 10k ohm Unbalanced	BANDWIDTH:	2/3 octave
MAX. INPUT LEVEL:	+23dBu	TOLERANCE:	±3%
OUTPUT TYPE:	Pseudo-Balanced*	RANGE:	±6 or ±15 dB
OUTPUT IMPEDANCE:	200 ohm Balanced, 100 ohm Unbalanced	SUBSONIC FILTER:	18dB/octave @ 20Hz (internally switchable)
MAX. OUTPUT LEVEL:	+23dBu	POWER REQUIREMENTS:	
CONNECTORS:	1/4" Phone jack and XLR	Nominal Voltage:	90-125VAC, 50-60Hz, (240VAC available)
FREQUENCY RESPONSE:	± .25dB	Minimum Voltage:	90VAC
TOTAL HARMONIC DISTORTION:	< .01% @ +20dBu	Power:	10W
IM DISTORTION (SMPTE):	< .01% @ +20dBu	SHIPPING WEIGHT:	8 lbs
OUTPUT HUM AND NOISE:	< -96dBu (20Hz-20kHz unweighted)	DIMENSIONS:	19"L x 1.75"H x 6"D

\*Pseudo-balanced output is single ended signal with balanced impedance

### Rear Panel MQX-2150



### 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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