ARCHITECTS SPECIFICATIONS

MQX-1310

The graphic equalizer shall be monaural (1 channel). It shall consist of 31 bands centered on standard ISO frequencies at intervals of 1/3 octave and covering a frequency range of 20Hz to 20kHz. 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 either ±6dB or ±15dB selected via a 2-position switch. 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 -92dBu and SMPTE intermodulation distortion or THD shall be less than .01% at full output. Input impedance shall be 20k□ balanced, 10k ohm unbalanced. Output impedance shall be 200 ohm balanced, 100 ohm unbalanced. Inputs and outputs shall be active (tranformerless) balanced type on both XLR, 1/4" phone jacks and barrier strip terminals. Individual filters shall be Wein-bridge type and connected in a sum-

ming 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-adjust-able to insure long term accuracy.

The equalizer shall also include an 18dB per octave high pass filter at 40Hz, equipped with a bypass switch. Green signal presence and red clip indicators shall show critical operating levels. Input gain shall be adjustable over -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-1310.
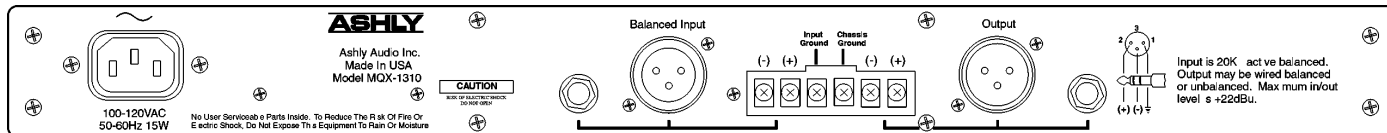
Features:

- Constant "Q" design for low ripple and minimum interaction

- Precision Wein Bridge Filters

- Balanced XLR, 1/4" TRS & Barrier Strip Screw Terminals on Inputs and Outputs

- Selectable 15dB or 6dB Range

- Switchable 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-1310

INPUT TYPE:	Active Balanced	OUTPUT HUM AND NOISE:	< -92dBu (20Hz - 20kHz unweighted)
INPUT IMPEDANCE:	20K ohm Balanced, 10k ohm Unbalanced	CROSSTALK:	NA
		FILTER TYPE:	Constant Q/Wein Bridge
MAX. INPUT LEVEL:	+23dBu	BANDWIDTH:	1/3 octave
OUTPUT TYPE:	Pseudo-Balanced*	TOLERANCE:	±3%
OUTPUT IMPEDANCE:	200 ohm Balanced, 100 ohm Unbalanced	RANGE:	±6 or ±15 dB
		SUBSONIC FILTER:	18dB/octave @ 40Hz, switchable
MAX. OUTPUT LEVEL:	+23dBu	POWER REQUIREMENTS:	
CONNECTORS:	1/4" Phone jack, XLR and Barrier Strip	Nominal Voltage:	90-125VAC, 50-60Hz, (240VAC available)
FREQUENCY RESPONSE:	± .25dB	Minimum Voltage:	90VAC
TOTAL HARMONIC DISTORTION:	< 0.01% @ +20dBu	Power:	10W
IM DISTORTION (SMPTE):	< 0.01% @ +20dBu	SHIPPING WEIGHT:	8 lbs
		DIMENSIONS:	19"L x 1.75"H x 6"D

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

Rear Panel MQX-1310

Applications:

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

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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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