

ARCHITECTS SPECIFICATIONS

Ashly PQX-571

The unit shall be a single channel parametric equalizer, capable of being center-frequency-tunable from 20Hz to 20KHz. The unit shall have a single channel of 5 bands of equalization. Each band shall have a bandwidth adjustable between 3 1/3 octave and 1/20 octave. The frequency response shall be 20Hz-20KHz, +/-0.2dB. The distortion shall not exceed .03% THD at +4dBu, 20Hz-20KHz. Hum and noise shall be below -90dBu with the EQ engaged and -108dBu with the EQ out. The unit shall offer a per band amplitude adjustment of +/- 15dB as well as a master gain adjustment of +/-15dB. The unit shall also include low frequency and high frequency shelving covering the range of 40-400Hz and 1.6KHz to 16KHz respectively. The range of shelving frequency shall be +/-15dB. The input impedance shall be 20K ohm active balanced bridging, and the output impedance shall be 200 ohm, quasi-balanced. The maximum in/out level shall be +22dBu or +7dBu at maximum boost, 1/3 octave or greater.

The unit shall be designed for mounting in a standard EIA 19" rack (19"L x 1.75"H x 6"D) and shall have a shipping weight of 8lbs. The unit shall operate from 94VAC - 125 VAC, 50-60Hz. The unit shall be a model PQX-571 single channel Parametric Equalizer manufactured by Ashly Audio Inc. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above combined size/performance specs are met.

Ashly PQX-572

The unit shall be a dual channel parametric equalizer, capable of being center-frequency-tunable from 20Hz to 20KHz. The unit shall have two channels of 5 bands of equalization. Each band shall have a bandwidth adjustable between 3 1/3 octave and 1/20 octave. The frequency response shall be 20Hz-20KHz, +/-0.2dB. The distortion shall not exceed .03% THD at +4dBu, 20Hz-20KHz. Hum and noise shall be below -90dBu with the EQ engaged and -108dBu with the EQ out. The unit shall offer a per band amplitude adjustment of +/- 15dB as well as a master gain adjustment of +/-15dB. The unit shall also include low frequency and high frequency shelving covering the range of 40-400Hz and 1.6KHz to 16KHz respectively. The range of shelving frequency shall be +/-15dB. The input impedance shall be 20K ohm active balanced bridging, and the output impedance shall be 200 ohm, quasi-balanced. The maximum in/out level shall be +22dBu or +7dBu at maximum boost, 1/3 octave or greater.

The unit shall be designed for mounting in a standard EIA 19" rack (19"L x 3.5"H x 6"D) and shall have a shipping weight of 10lbs. The unit shall operate from 94VAC - 125 VAC, 50-60Hz. The unit shall be a model PQX-572 dual channel Parametric Equalizer manufactured by Ashly Audio Inc. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above combined size/performance specs are met.

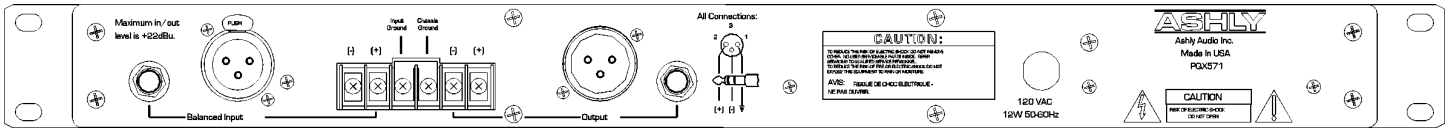
- 5 Fully Parametric Bands
- Parametric Filters Tunable from 20Hz - 20KHz
- Tunable Low and High Frequency Shelving Filters
- 5 Year Worry-Free Warranty
- Very Low Hum and Noise Design
- Adjustable Bandwidth from 3 1/3 to 1/20 of an Octave
- True Reciprocal Curves
- Master and Individual Band In/Out Bypass Switching
- XLR, 1/4", and Barrier Strip Inputs

General Specifications PQX-571 / PQX-572

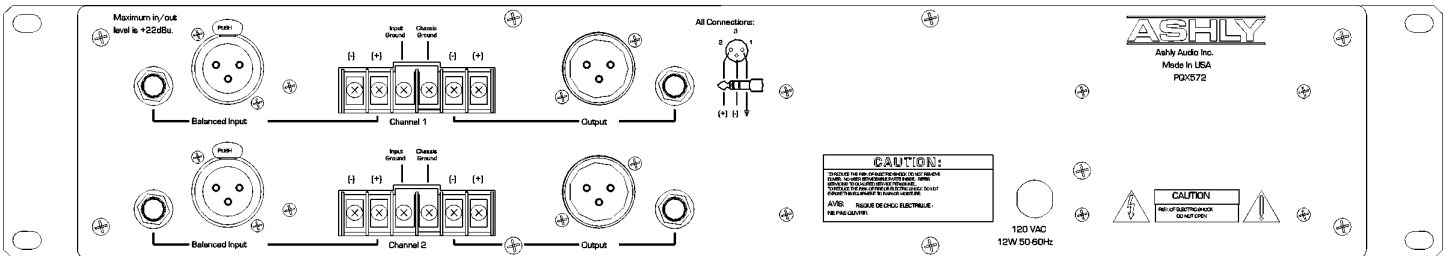
	<u>PQX-571</u>	<u>PQX-572</u>
INPUT		
Type:	Active Balanced	Active Balanced
Impedance:	20k ohm (10K ohm unbalanced)	20k ohm (10K ohm unbalanced)
Max. Level:	+23dBu (+7dBu at max boost, 1/3 octave or greater)	+23dBu (+7dBu at max boost, 1/3 octave or greater)
OUTPUT		
Type:	Balanced	Balanced
Min. Load Impedance:	200 ohm (terminate with 600 ohm or greater)	200 ohm (terminate with 600 ohm or greater)
Max. Level:	+22dBu	+22dBu
Frequency Response:	±.2dB 20Hz-20kHz	±.2dB 20Hz-20kHz
THD (20Hz-20kHz):	<.03% @ +4dBu, 20 Hz-20KHz	<.03% @ +4dBu, 20 Hz-20KHz
Output Noise (20Hz-20kHz):	-93dBu (EQ in, Peaking Filters in) -90dBu (EQ, Peaking Filters and Shelving Filters in)	-93dBu (EQ in, Peaking Filters in) -90dBu (EQ, Peaking Filters and Shelving Filters in)
FILTERS		
Parametric Type:	State Variable with separate summing amplifiers	State Variable with separate summing amplifiers
Number:	1 x 5	2 x 5
Bandwidth:	3 1/3 Octave to 1/20 Octave	3 1/3 Octave to 1/20 Octave
Amplitude Range:	+/- 15dB	+/- 15dB
Shelving Type:	Low, High	Low, High
Low Range:	40-400Hz	40-400Hz
High Range:	1.6KHz-16KHz	1.6KHz-16KHz
Shelving Range:	+/-15dB	+/-15dB
Power Requirements:	120VAC, 50-60Hz, 9W	120VAC, 50-60Hz, 15W
Shipping Weight:	8 lbs	10 lbs
Dimensions:	19"L x 1.75"H x 6"D	19"L x 3.5"H x 6"D
I/O Connectors:	XLR, 1/4", and Barrier Strip	XLR, 1/4", and Barrier Strip
CONTROLS		
Master Gain:	+/- 15dB	+/- 15dB
Master Defeat Switch:	Yes	Yes
Per Band Amplitude:	+/- 15dB	+/- 15dB
Per Band Defeat Switch:	Yes	Yes

Notes: 1. 0 dBu = .775 Vrms. 2. Quasi-balanced output has balanced output impedance with single ended signal.

PQX-571 (back)



PQX-572 (back)



Applications

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