

## ARCHITECTS SPECIFICATIONS

### LX-308B

The unit shall be an eight channel stereo line-level mixer in a one rack space metal chassis. Each channel shall have a pair of balanced 1/4" input jacks with level and pan controls on the front panel. Channels 1 and 2 shall be switchable to accommodate either microphone or line level sources. An input on/off switch with a LED status indicator shall be provided for independent channel muting.

The unit shall have separate Left and Right clip indicators to monitor all internal amplifiers for any possible overload conditions. There shall be Left and Right outputs on 1/4" TRS phone jacks which can be used as balanced or unbalanced. In addition, there shall also be an independent Mono summed output on a separate 1/4" TRS jack. Left/Right level control, variable panning, and a master stereo mute switch must be provided on the front panel, as well as an overall adjustment for the independent Mono summed output.

There shall be a stereo headphone jack with separate level control located on the front panel of the unit. Pre-Master sub inputs and outputs for linking with other mixers must be located on the rear panel. The unit shall have the ability to operate as an eight input stereo or a sixteen input mono mixer by patching cables accordingly.

The mixer shall provide an unity gain signal path when all level controls are set at twelve o'clock.

Distortion shall be less than 0.02 % Total Harmonic Distortion at +20dBu (20Hz to 20kHz) and less than 0.01% Intermodulation Distortion (SMPTE) at +100dBu (20Hz to 20kHz.) Hum and Noise shall be less than -98 dBu residual output noise when all levels are set at minimum, and less than -90dBu at nominal (unity) gain. Frequency Response shall be  $\pm 0.2$ dB, 20 Hz-20 kHz. Voltage gain of the mixer shall be 25dB  $\pm 1$ dB when measured from channel input to master output when levels are set at maximum. Voltage gain when channel one or two are in mic position shall measure 56dB  $\pm 1$ dB at the master outputs. Crosstalk of the unit shall be less than -80 dB when measuring adjacent inputs or input to output at 1kHz. Dimensions of the model shall be 19" wide x 1.75" high x 8.0" deep. The shipping weight shall be 13 pounds. The mixer must be made in America and covered under a full Five Year warranty. The mixer shall be the model LX-308B, manufactured by Ashly Audio, Inc. of Webster, New York. No other unit shall be acceptable unless data submitted from an independent test laboratory verifies that the above specifications are fully met or exceeded.

## Features

- Balanced Inputs and Outputs
- Eight Stereo or Sixteen Mono Inputs
- Individual Left, Right and Mono Outputs
- Channel 1 & 2 Selectable Mic or Line Inputs
- Unity Gain Signal Path Throughout When all Level Controls are Set at Twelve O' Clock
- L & R Level Meters w/Clip Indicators Monitor all Internal Amplifiers
- Pre-Master Sub Inputs & Outputs for Linking Multiple Mixers
- Front Panel 3.5mm Stereo Line In Jack
- Individual Channel Mute Switches
- Stereo Output Mute Switch
- Stereo Headphone Output with Level Control
- Safety/Compliance: cTUVus/CE, RoHS, FCC

## Specifications LX-308B

THD:	< .02 % at +20dBu, 20Hz-20KHz
IMD (SMPTE):	< .01 % at +20dBu
HUM & NOISE:	(20 Hz-20 KHz noise bandwidth): < -98dBu residual output noise, all levels at minimum < -90dBu MASTER OUT, MASTER LEVEL and one INPUT LEVEL at nominal (unity gain)
FREQUENCY RESPONSE:	± 0.2dB 20Hz-20KHz
VOLTAGE GAIN:	0.0 ±1dB —CH. INPUTS or SUB INPUTS to MASTER OUTPUTS, levels at nominal 25 ± 1dB —CH. INPUT to MASTER OUTPUTS, levels at maximum 56 ± 1dB —CH. 1 or 2 INPUT in MIC position to MASTER OUTPUTS 18 ± 1dB —SUB INPUTS to MASTER OUTPUTS, MASTER LEVEL at maximum
CROSSTALK:	< -80dB adjacent inputs or input to output at 1KHz; < -60dB adjacent inputs or input to output at 20KHz
VU METERS:	Two 6-segment LED meters. 0VU = +4dBu
PEAK INDICATORS:	Left and right peak CLIP indicators illuminate when any internal signal amplifier is 3dB below clipping
POWER REQUIREMENTS:	100 -240VAC, 50-60Hz, 12 watts
DIMENSIONS:	19" L x 1.75" H x 8.0" D
SHIPPING WEIGHT:	13 lbs. maximum

Input Specifications: (unless otherwise stated, specification conditions are 150Ω source, all levels nominal, outputs into 2.7KΩ or greater)

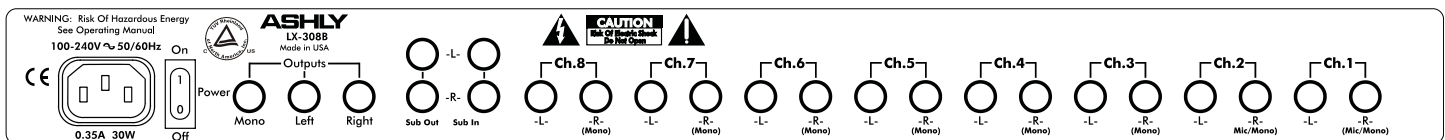
INPUT	BALANCED/ UNBALANCED	LOAD IMPEDANCE	FOR USE WITH NOMINAL	MAX. INPUT LEVEL BEFORE CLIP	CONNECTOR
LINE INPUTS (1-8)	Balanced	≥ 20KΩ	600Ω	+21dBu	Left & Right 1/4" Phone Jacks
MIC INPUTS (1-2)	Balanced	≥ 20KΩ	600Ω	-10dBu	Left & Right 1/4" Phone Jacks
SUB INPUTS (L,R)	Unbalanced	≥ 10KΩ	600Ω	+22dBu	Left & Right 1/4" Phone Jacks

Output Specifications:

INPUT	BALANCED/ UNBALANCED	LOAD IMPEDANCE	FOR USE WITH NOMINAL	OUTPUT LEVEL MAX BEFORE CLIP		CONNECTOR
MASTER OUT (L,R) MONO OUT	Servo-Balanced	≤ 200Ω	10KΩ lines	+4dBu	+22dBu	1/4" Phone Jacks
SUB OUT (L, R)	Unbalanced	≤ 200Ω	10KΩ lines	-4dBu	+22dBu	1/4" Phone Jacks

Notes: 1. 0 dBu = 0.775 Vrms 2. Sensitivity is input signal level which will produce +4dBu out with all levels maximum

## Rear Panel LX-308B



## Applications:

Broadcast Studios, Mobile Broadcast Units, Satellite Downlink Distribution, Boardroom Sound Systems, Multimedia Sound Distribution, Concert Sound, Dance/Night Clubs, Bowling Alleys, Churches, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals.

Ashly manufactures a complete and comprehensive line of Analog and Digital Signal Processors, Power Amplifiers, 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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