

ARCHITECTS SPECIFICATIONS

CLX-51/CLX-52

The unit shall be a single (CLX-51) or dual (CLX-52) channel compressor limiter with independent gain, threshold, ratio, attack, release, and output level adjustments. It shall have a detector patch point allowing for the connection of an external equalizer in the detector loop to produce frequency selective limiting; or allows the connection of an external microphone source to produce voice-over-compression. It shall have front panel mounted switches for engaging/defeating the compressor/limiter functions. It shall have front panel switches for selecting input or output meter display. It shall have both XLR and 1/4" connectors on inputs and outputs. Performance specifications shall meet or exceed the following: Gain control shall be +/- 15dB. Threshold shall be adjustable from -40dB to +22dB. Ratio shall be adjustable from 2:1 to infinity. Attack time shall be adjustable from 200uSec to 20mSec. Release time shall be adjustable from 100mSec to 3 seconds. the output level shall be adjustable from minus infinity to +18dBu. The maximum in-out level shall be +23dBu. The input impedance shall be 20K ohm balanced bridging. The output impedance shall be 200 ohm quasi-balanced. The frequency response shall be 20Hz to

20KHz, +/-0.2dB. Distortion shall be <0.01% THD, 1KHz @0dBu, and <0.15% THD @ +15dBu from 20Hz to 20KHz. Hum and noise shall not exceed -96dBu @ unity gain. The unit shall operate at 115VAC +/-5%, 50-60Hz. 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 8 lbs. The unit shall either be a model CLX-51 (single channel) or a CLX-52 (dual channel) Compressor Limiter manufactured by Ashly Audio, Inc. No other unit shall be acceptable unless submitted data from an independent research lab verifies that the above size/performance specifications are met.

Features:

- XLR and 1/4" Connectors
- Peak Compression Circuitry
- Precision Balanced Inputs
- Extremely Low Noise and Distortion
- Calibrated Threshold Control
- Detector Patch Point
- Input-Output Meter Switch
- Gain Reduction Meters
- Stereo Tie Switch on CLX-52
- U.L. Listed
- 5-Year Worry-Free Warranty

General Specifications CLX-51/CLX-52

CONTROLS

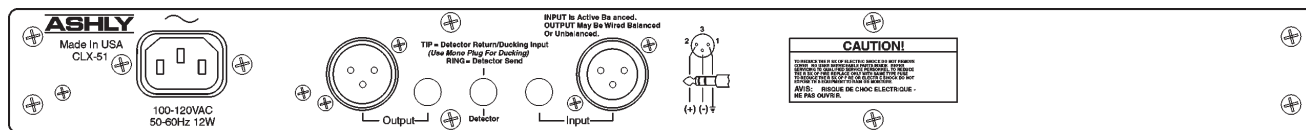
Gain:	+/-15dB
Threshold:	-40dBu - +22dBu
Ratio:	2:1 - infinite
Attack Time:	200uSec - 20mSec
Release Time:	0.1Sec - 3Sec
Output:	-40dBu - +20dBu
Stereo Tie Switch:	Yes(CLX52)
Defeat Switch:	Yes

DETECTOR PATCH POINT

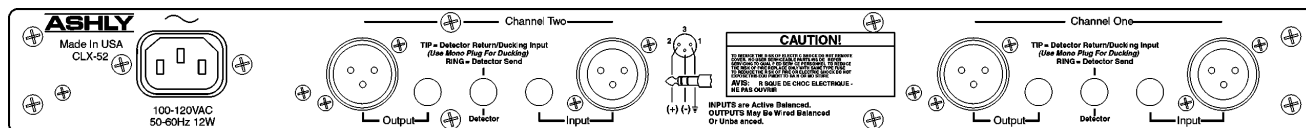
Allows side-chain connection of equalizer for frequency selective operation

INPUT IMPEDANCE:	20k Ohms, balanced bridging
OUTPUT IMPEDANCE:	200 Ohms quasi-balanced (terminate with >600 Ohms)
FREQUENCY RESPONSE:	+/- .2dB 20Hz-20kHz
DISTORTION	
+15dBu, 1kHz:	<0.01%
+15dBu, 20Hz-20kHz:	<0.15%,
HUM AND NOISE:	-96dBu, unity gain
POWER REQUIREMENTS:	93VAC-120VAC, 50-60Hz, 5W
SIZE:	19"W x 1.75"H x 6"D
SHIPPING WEIGHT:	8lbs.

Rear Panel CLX-51



Rear Panel CLX-52



Applications:

Concert Sound, PA Systems, DJ Systems, Dance/Night Clubs, Churches, Auditoriums, Lecture Halls, Sports Stadiums, Outdoor Festivals, Home Theatre.

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.

Ashly Audio Inc., 847 Holt Road, Webster, NY 14580-9103, Toll Free (800) 828-6308, Telephone (585) 872-0010, FAX (585) 872-0739
Internet: <http://www.ashly.com>, email: info@ashly.com