Audio Zone Amplifier 100W
500217

Overview

The MuxLab Audio Zone Amplifier 100W is a Class D amplifier which allows analog or digital sources to feed a pair of 50W per channel speakers. When set in Bridge mode and paired with the MuxLab 70V Transformer unit (500755-70V), the system is compatible with distributed 70V speaker systems over longer distances and supporting daisy chain configurations. The device may be controlled locally via pushbuttons and a knob, and remotely via RS232, IR and an IP webserver interface.

The Audio Zone Amplifier features two analog 2CH audio inputs (RCA & 3.5mm) & one (1) PCM digital optical input (TosLink), along with two 50W 8Ω speaker outputs or one 100W 4Ω speaker output (terminal block).

Applications

Audio Distribution Systems, Meeting & Classroom applications, Hospitality industry, Digital signage, Ceiling and shelf speakers.

Key Features

- Two analog 2CH audio Inputs and one digital optical input
- Supports 2x50 Watts into 8Ω, and 1x100 Watts (Bridge mode) into 4Ω
- Cascadable allowing for chaining amplifiers
- Compatible with MuxLab Hi-Fi Audio Baluns and Audio Matrix Switch (500210)
- Compatible with MuxLab 70V transformer (500755-70V) to allow for longer distance connections and chaining of 70V speaker systems
- Volume, Bass and Treble control, with mute
- Controllable via pushbuttons, RS232, IR and IP webserver interface

Specifications	
Environment	Analog Audio
Devices	Audio System, Line Output, Microphone, Speaker
Compatibility	Compatible with MuxLab Analog Audio products
Transmission	Transparent to the user
Frequency Response	20Hz to 20KHz
CMMR / SNR	>75dB @ 20Hz-20KHz / 80dB at maximum output
Input Impedance	>10KΩ
Damping Coefficient	>100
Stereo Channel Separation	>75dB @ 20HZ to 20KHz
THD + Noise	1% @ 1KHz, 50W
Voltage Gain	25dB
Power Output	1x100 Watts (@ 4Ω) or 2x50 Watts (@ 8Ω)
Connectors	Two (2) RCA Input Jacks for L+R audio input. Two (2) 3.5mm Jacks; one input & one cascade output. One (1) 4-pin terminal block (5.08mm) for the speakers. One (1) Optical TosLink for the Digital Audio. One (1) IR Sensor 3.5mm stereo Jack. One (1) RJ45 Shielded for the Ethernet LAN connection. One (1) 3-pin terminal block (3.81 mm) for RS232. One (1) 4-pin DIN Jack for Power.
Power Supply	One (1) 110-240VAC to 33VDC power supply
Temperature	Operating: 0° to 50°C Storage: -20° to 85°C Humidity: Up to 95% non-condensing
Enclosure	Metal
Dimensions	5.83” x 1.73” x 6.50” (148 x 44 x 165 mm)
Weight	1.59 lbs (0.72 kg)
Compliance	Regulatory: FCC, CE, RoHS
Warranty	2 years
Order Information	500217-US Audio Zone Amplifier 100W, US (UPC: 627699012178) 500217-UK Audio Zone Amplifier 100W, UK (UPC: 627699912171) 500217-EU Audio Zone Amplifier 100W, EU (UPC: 627699812174)

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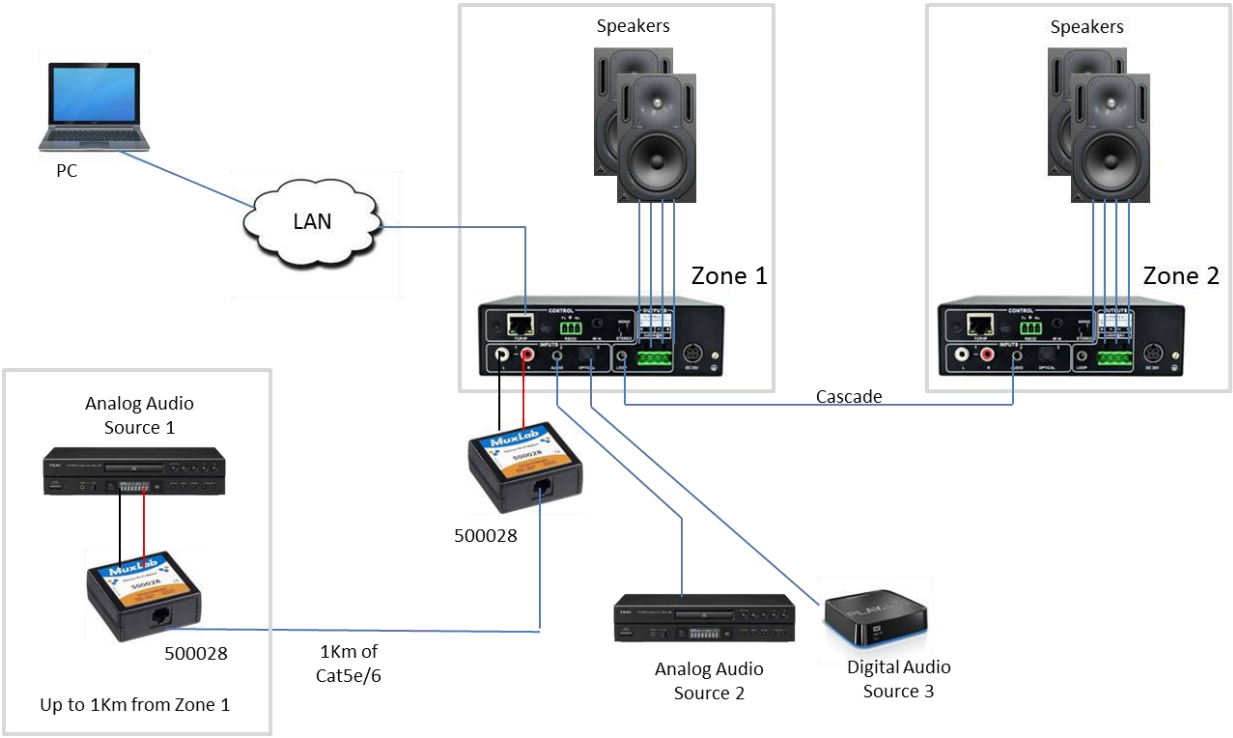
Typical Application



MuxLab Inc. | 8495 Dalton Road, Mount Royal, Quebec, Canada, H4T 1V5
Tel: (514) 905 0588 | Fax: (514) 905 0589 | Toll Free:1 877 689-5228
E-mail: videoease@muxlab.com | www.muxlab.com