



**Overview**

The MuxLab Audio Zone Amplifier is a Class D digital amplifier that allows one (1) analog source to feed a pair of 20W per channel stereo speakers.

The Audio Zone Amplifier features two (2) stereo analog audio lines & 1 MIC inputs, and two (2) 20W, 4-ohm speaker outputs or one (1) 40W, 8-ohm speaker output.

**Applications**

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

**Key Features**

- Two Analog Stereo Audio Inputs and one MIC input
- 20W per channel into 4-ohm
- Cascadable to further amplifiers
- Compatible with MuxLab Hi-Fi Audio Baluns and Audio Matrix Switch
- Volume control, Ground loop isolation
- Controllable via pushbuttons, RS232 and optional IR

| Specification Chart           |  |
|-------------------------------|--|
| <b>Environment</b>            | Audio Distribution   |
| <b>Power Output</b>           | 20W RMS maximum per channel into 4 ohm   |
| <b>Front Control</b>          | Input select, Volume, Bass, Treble, Mute   |
| <b>Power Requirement</b>      | 60W max, 24VDC 2.5A  |
| <b>Compatible Source Unit</b> | Line level Analog Audio  |
| <b>Gain</b>                   | 26dB   |
| <b>Frequency</b>              | 20Hz to 20KHz  |
| <b>Connectors</b>             | Input: Two RCA (L/R) connectors<br>One 3.5mm stereo connector<br>3-position Screw type connector for microphone<br>3-position Screw type connector for RS232<br>One 3.5mm IR Sensor connector<br>Output: 4-position Screw type connector for speakers.<br>One Loopout 3.5mm stereo connector<br>Power input: One locking power jack, 2.0mm |
| <b>Control</b>                | Pushbuttons, RS232, and Optional IR  |
| <b>Temperature</b>            | Operating : 32° to 90°F (0° to 40°C)<br>Storage: -40° to 185°F (-40° to 85°C)  |
| <b>Humidity</b>               | Maximum 90% (non-condensing)   |
| <b>Enclosure</b>              | Metal, black painted   |
| <b>Dimensions</b>             | 4.9" x 3.5" x 1.5" (12.3 x 8.7 x 3.8 cm)   |
| <b>Weight</b>                 | 1 lbs (0.45 kg)  |
| <b>Warranty</b>               | 2 Years  |
| <b>Order Information</b>      | 500216 Audio Zone Amplifier  |

Typical Application Schematic

