

Troubleshooting

The following table describes some of the symptoms, probable causes and possible solutions in respect to the installation of the IR Sensor and Handheld Remote Control:

Symptom	Probable Cause	Possible Solutions
Not Functioning	Remote control not directed towards the IR Sensor	Make sure the IR Sensor is directed towards the remote
Not Functioning	Interference from sunlight, fluorescent, neon or halogen lights	Place the IR equipment away from the interfering light
Not Functioning	Interference from RF radiation of television	Place the IR equipment away from the RF radiation

If you still cannot diagnose the problem, please call MuxLab Customer Technical Support at 877-689-5228 (toll-free in North America) or (+1) 514-905-0588 (International).

Specifications

Environment	Infrared (IR) control
Devices	500216 Audio Zone Amplifier
Supported IR Data Formats	NEC code
Carrier Frequency	38KHz
IR Wavelength	940nm
Receiving Distance	10m
Connectors	IR Sensor: 3.5mm (stereo) jack
Cable Length	57" (1.45m)
Temperature	Operating: 0° to 40°C Storage: -25° to 80°C Humidity: Up to 95% non-condensing
Enclosure	Plastic
Dimensions	4.84" x 2.00" x 0.39" (12.3 x 5.1 x 1cm)
Weight	2.4oz (68.2g)
Regulatory	RoHS
Warranty	Two (2) years
Order Information	500216-IR - IR Sensor & Handheld Remote Control Kit



IR Sensor & Handheld Remote Control Kit 500216-IR Quick Installation Guide

Overview

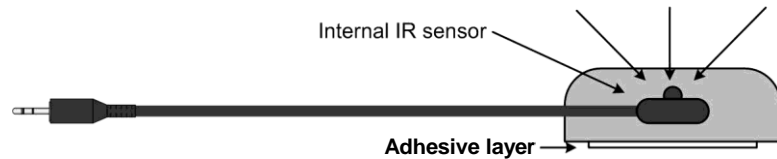
When installing the 500216 Audio Zone Amplifier it may be desirable to manage this device via a handheld remote control unit, particularly if the Audio Zone Amplifier is positioned in a hard to reach location.

The 500216-IR is sold separately and comes with an IR sensor and a handheld remote control unit. The IR sensor connects directly to the Audio Zone Amplifier and allows the user to manage the Audio Zone Amplifier via the handheld remote control at a distance.

Installation

Attaching the IR Sensor

Each Sensor has an adhesive layer on the bottom flat surface of the shell.



Simply peel off the adhesive protective cover and stick the IR Sensor to a stable surface, such as a cabinet. The IR sensor window is on the top shell of the IR Sensor. If you remove the Sensor for any reason, it may be necessary to replace the adhesive with a fresh piece of 2-sided tape to ensure proper adhesion.

The IR Sensor must be visible from the location where the user will control the equipment, and it cannot be farther than the maximum receiving distance (see specifications for more details).

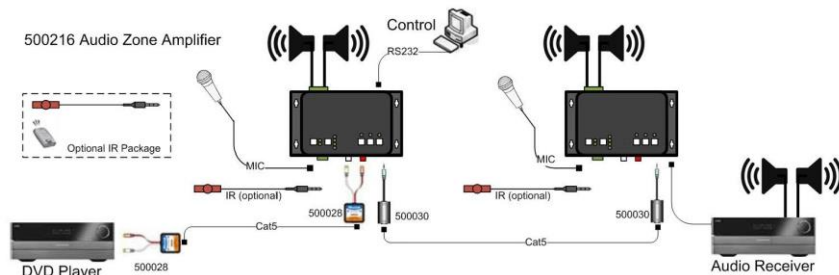
Connecting the IR Sensor

Simply insert the 3.5mm stereo mini plug of the IR Sensor into the "IR Sensor" jack of the 500216 Audio Zone Amplifier.

Preparing the Handheld Remote Control

Ensure that the handheld remote batteries have been properly installed, and that the Audio Zone Amplifier has been installed, connected and powered (see the 500216 Install Guide for further details).

Point the handheld remote control at the IR sensor in order to send commands and manage the Audio Zone Amplifier.



Using the Handheld Remote Control

Inputs Select:

1. RCA dual audio
2. 3.5mm Jack

Volume Control:

MIC: adjust Mic volume

LINE: adjust Line volume

BASS: adjust Bass

TREBLE: adjust Treble

IR Emitter:

transmits the IR signal

Mute:

MIC: Mute Mic volume

LINE: Mute Line volume

SPEAKER: Unmute



IR Remote codes

The remote control uses NEC format with the user code 40FF.

Input Select 1 = Code 04;
Input Select 2 = Code 46;
Mute MIC = 02;
Mute Line = 44;
Unmute = 03;
MIC+ = 48, MIC- = 5C;
Line+ = 1B; Line- = 5A;
Bass+ = 58; Bass- = 59;
Treble+ = 15; Treble- = 54