

# Specifications

<b>Environment</b>	Audio HiFi Muxlab Balun User
<b>Device Targeted</b>	Installation of multiple audio receiver using Muxlab Audio Balun HiFi and Audio Matrix.
<b>Compatible TX Unit</b>	500210, 500028
<b>Compatible RX Unit</b>	500219, 500028
<b>Compatible mounting hardware</b>	M500902, M500900, M500910, M500915
<b>Cabling Requirement</b>	Any 4-pair straight cable Cat5, 5E or 6 UTP.
<b>Connectors</b>	Four RJ45 connectors.
<b>RJ45 Pin Configuration</b>	Pin 1+2, 3+6 for audio
<b>Maximum distance</b>	Total distance (all length must be added): 3250ft (1km)
<b>Temperature</b>	Operating: -40° to 60°C (-40° to 140°F) Storage: -40° to 85°C (-40° to 185°F)
<b>Humidity</b>	Maximum 95% (non-condensing)
<b>Enclosure</b>	ABS UL94HB fire retardant plastic
<b>Dimensions</b>	6 x 5.5 x 2.5 cm (2.4" x 2.25" x 1.0")
<b>Weight</b>	50g (2 oz.)
<b>Warranty</b>	Lifetime
<b>Order Information</b>	M500044 Stereo Analog Audio Splitter



## ANALOG STEREO AUDIO SPLITTER 1X3 500044 Quick Installation Guide

### Overview

The Analog Stereo Audio Splitter allows one analog source using either the Muxlab analog audio balun (500028) or Muxlab Audio Matrix Switch (500210) to be connected passively to up to three receivers using Muxlab's Analog Audio Balun (500028) over CAT 5e/6 cabling.

### Applications

Installation of multiple audio receiver using Muxlab Audio Balun HiFi, Audio Matrix and Balun Amplifier.



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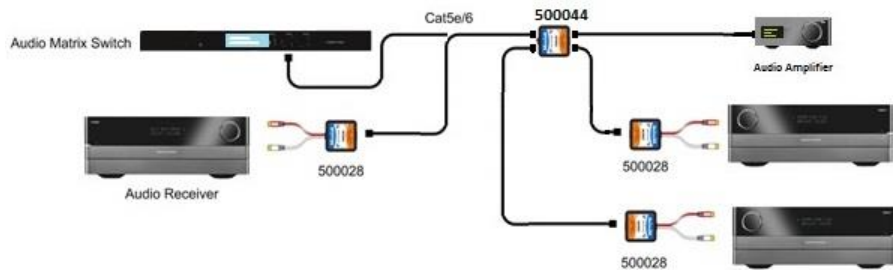
# Installation

One splitter and up to 3 audio analog balun (500028) can be used to complete the system via UTP cable.

**Caution:** Do not attempt to open the housing. There are no user-serviceable parts inside the box. Opening the unit will void your warranty.

Do not connect the unit to a telecommunication outlet wired to unrelated equipment. Making such a connection may damage the equipment and/or the balun. Verify that the desired twisted pairs are not being used for other LAN or telephone equipment.

1. Use a dedicated 4-pair Cat5e/6 cable between the source and the receiver balun. A patch panel can also be used.
2. Verify the wiring is “straight-through”, has 4 twisted pairs and has the standard Ethernet RJ45 plug.
3. Each connector (#1, 2, 3& 4) can be used for input or output. Only one source can be used.
4. Cascading multiple units is not recommended.
5. At the destination point, connect the passive balun Audio receiver (or AV receiver) or Muxlab Amplifier (500219).



# Troubleshooting

The following tables describe some of the symptoms, probable causes and possible solutions regarding the splitter:

Video Symptom	Probable Cause	Possible Solutions
No audio	No continuity	Check continuity on each pair. Check if pairs are not swapped or reversed. Check if the four pairs are present.
	Equipment off	Check the audio source equipment.
Loss of Hi Frequency	Exceeded distance	Verify total cable length.
Hum or Buzz	Defective cable or equipment incorrectly connected or grounded.	Change cable or verify wiring interface. Try grounding equipment on each side to safety ground.

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