Troubleshooting:

No sound	• Check to make sure polarity is correct.
	• Make sure the maximum distance of the UTP does not exceed the maximum range of the balun.
	• Make sure all connections are snugly in place.
	• Check to make sure RJ-45 connector is crimped correctly and wired according to T568B wiring standard.

Specifications:

			MAE-P317-01Q	MAE-P337-01Q
Audio	Signal Type		Analog stereo	
	Max. range		2,500' (760m)	
	Bandwidth		10Hz to 50KHz ±3dB	
	Maximum input		1Vpp	
	Insertion loss		≤ 1dB	
	Return loss		≥ 15dB over the frequency range	
	Common mode rejection		Greater than 40dB	
	Power		No power required for audio	
Connections	Wire type		UTP (unshielded twisted pair)	
	Wire category		20 - 24 AWG @ screwless terminal blocks	
			Cat2 or better, Cat5e ideal, Cat6 improves range	
	Connectors	In	2 (two) RCA plugs	3.5mm plug
		Out	RJ-45 jack	
	Impedance	In	600 ohms	
		Out	100 ohms	
Other	Dimensions		2 1/8" x 1 1/8" x 1" (54 x 29 x 25 mm)	
	Max. humidity		95%	
	Temperature Range		32° ~ 131° F (0° ~ 55° C)	
	Case		ABS plastic	

ENFORCER Audio/Video®

MANUAL
Passive Stereo Baluns

MAE-P317-01Q
Analog Stereo Balun

MAE-P337-01Q
3.5mm Stereo Balun

The ENFORCER Passive Stereo Baluns are the quick, low-cost way to connect audio devices at greater distances than traditional audio cabling methods. The stereo baluns work in pairs to allow analog audio signals to be transmitted over low-cost Cat5e/6 unshielded twisted pair (UTP) cable.

- Passive operation – No external power required
- Uses low-cost Cat5e/6 cable instead of costly coax cables
- Small size for easy installation
- High immunity from interference – Built-in impedance coupled device and noise filter
- Gold-plated connector for longer life and better reliability (MAE-P317-01Q only)
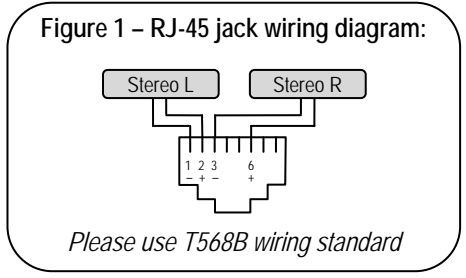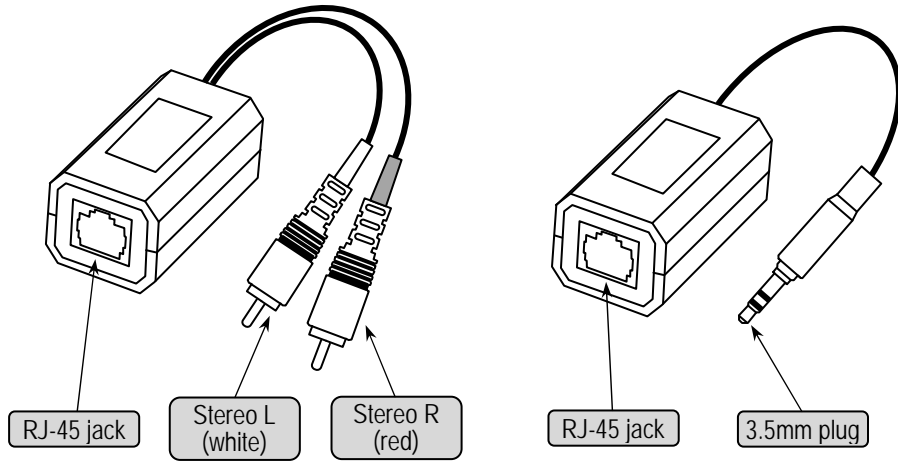- Limited lifetime warranty

SLI® SECO-LARM®

RoHS

NOTE: Products with a model number that ends with "Q" or have a round green "Q" sticker represent RoHs compliant products.

Overview:

MAE-P317-01Q

| RJ-45 jack | Stereo L (white) | Stereo R (red) |

MAE-P337-01Q

| RJ-45 jack | 3.5mm plug |

Figure 1 – RJ-45 jack wiring diagram:

| Stereo L | Stereo R |

```
1 2 3      6
– +  –      +
```

Please use T568B wiring standard

Installation:

NOTE: Stereo baluns are connected in pairs. One connects to the audio source, and the other connects to the audio destination.
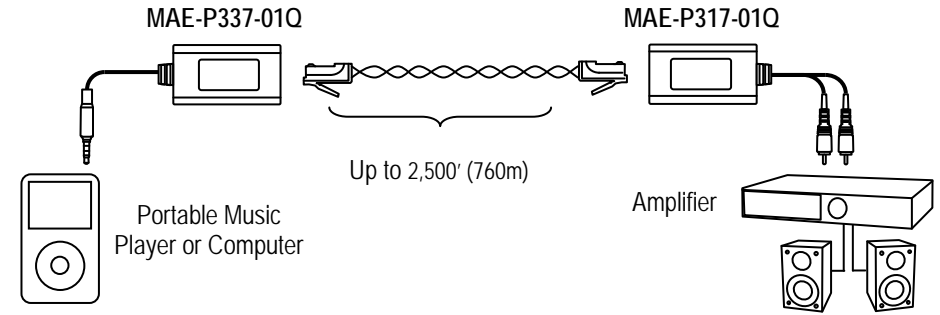
The stereo baluns can be mixed and matched, with both baluns being of the same type, or one being a 3.5mm stereo type and the other being an analog stereo type.

1. Make sure the maximum distance between the audio source and destination does not exceed the maximum range of the stereo baluns.
2. Run the UTP cable from the audio source to where it will be connected to the destination. Follow the audio source's wiring instructions for information on how to safely run and hide this wire.
3. Connect UTP cable to the two audio baluns connecting the RJ-45 plug according to T568B wiring standards.
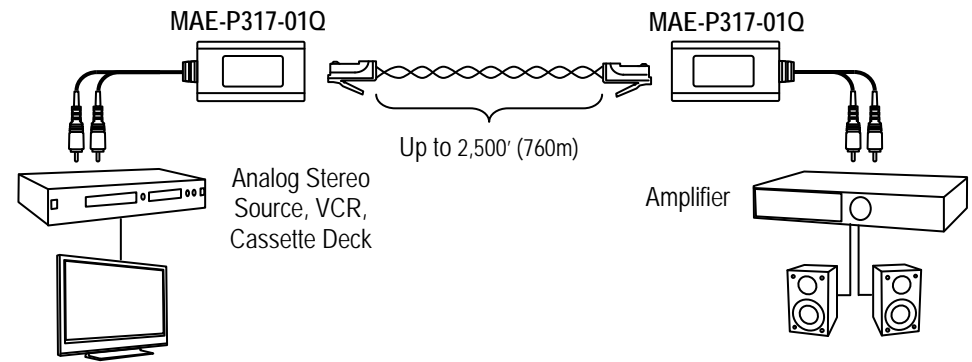
NOTE: The baluns are polarity-sensitive. Observe correct polarity.

4. Plug the audio baluns into the connectors on the source and destination.
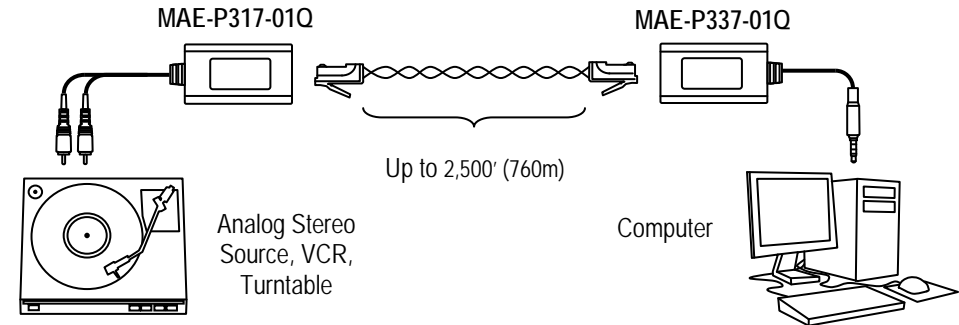5. Test the connection by powering up the audio source and destination.

Sample Application #1: Portable Music Player or Computer

MAE-P337-01Q   MAE-P317-01Q

Up to 2,500′ (760m)

Portable Music Player or Computer

Amplifier

Sample Application #2: Analog Stereo Signal

MAE-P317-01Q   MAE-P317-01Q

Up to 2,500′ (760m)

Analog Stereo Source, VCR, Cassette Deck

Amplifier

Sample Application #3: Connecting a Stereo Source to a Computer

MAE-P317-01Q   MAE-P337-01Q

Up to 2,500′ (760m)

Analog Stereo Source, VCR, Turntable

Computer

SECO-LARM has a complete line of audio/video products.
Please visit www.seco-larm.com for more information.