## Troubleshooting:

| Component video balun does not function correctly | • Make sure all input and output connections are connected firmly to the balun<br>• Make sure the video input device is turned on<br>• Make sure the video output device is turned on<br>• Test the Cat5/6 cable between the baluns<br>• Make sure the IR/Audio transmission switch is set to the correct position |
|---|---|

## Also Available from **SECO-LARM**:

Passive Audio Baluns

HDMI over Cat5e/6

3.5mm Stereo Balun

**MAE-P115-01Q**
(shown)

**MVE-AH010Q**

**MAE-P317-01Q**

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

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# ENFORCER Audio/Video

## Component Video Baluns
### with Programmable Digital Audio or IR Transmission

# MANUAL

**MVE-PW015Q**
Wall Plate

**MVE-PC015Q**
Standard

The ENFORCER MVE-PC0 Series of Component Video Baluns extends the range of traditional component video (YPbPr or RGB) signals. Used in pairs, the baluns use a single Cat5e/6 Cable to deliver HD resolutions up to 1080p and a single digital audio or IR signal distances of up to 160′ (50m), or up to 1000′ (300m) for 480i. The MVE-PC0 Series can also be programmed to transmit an additional digital single audio or IR signal.

**SLI® SECO-LARM®**

RoHS CE

## Features:

- Send component video and digital audio signals over a single Cat5e/6 cable
- Wall or desktop versions available
- Passive operation: No power required
- Gold-plated RCA connectors
- Programmable digital audio or IR transmission
- Supports HDTV signals up to 1080p
- Single RJ-45 output connector

## Specifications:

| | | | |
|---|---|---|---|
| Auido / Video | Max. range | 1080p | 160′ (50m) |
| | | 480i | 1,000′ (300m) |
| | | Audio | 900′ (280m) |
| | Video format | | YPbPr or RGB (1080p/1080i/720p/720i/480p/480i) |
| | Maximum input | | 1Vp~p |
| | Insertion loss | Audio | Less than 1.5 dB over the frequency range |
| | | Video | 0.8 dB for 0.1 MHz. increases to 4.0 dB over the frequency range |
| | Return loss | Audio | Greater than 14 dB over the frequency range |
| | | Video | Greater than 14 dB over the frequency range |
| | Common mode rejection | | -60 dB maximum |
| | Bandwidth | Audio | 60 MHz, 4 dB roll off |
| | | Video | 25 MHz, 1.5 dB roll off |
| | Power | | No power required |
| Connections | Wire type | | UTP (unshielded twisted pair) |
| | Wire category | | 20 - 24 AWG @ screwless terminal blocks |
| | | | CAT5e or CAT6 for improved range |
| | Connectors | Input | RCA / Terminal block |
| | | Output | RJ-45 See pin configuration on page 3 |
| | Attenuation | | DC ~ 5 Mhz, 1.5 dB max |
| Other | Dimensions | Wall-plate | 4$^1/_2$" x 2$^7/_8$" x 1$^5/_8$" (115 x 73 x 41 mm) without plate |
| | | Standard | 3" x 2 $^5/_8$" x 1" (76 x 67 x 25mm) |
| | Weight | Wall-plate | 3.4 oz |
| | | Standard | 5.0 oz |
| | Humidity range | | 0 ~ 95% |
| | Temperature Range | | 14°~165°F (-10°~74°C) |
| | Case | Wall-plate | PC plastic |
| | | Standard | Aluminum |

## Overview:

MVE-PC015Q

MVE-PW015Q

## Installation:

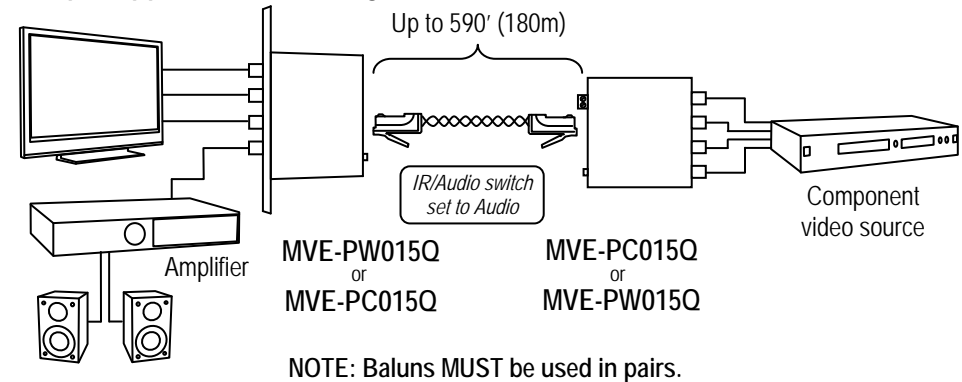NOTE: The component video baluns MUST be used in pairs.

1. Mount and install the baluns where the video inputs and outputs can be easily accessed.
2. If using the included mounting plate, attach the plate to the balun using the included screws.
3. Connect the Cat5e/6 cable to the RJ-45 outputs on the back of both baluns. Use T568B wiring standard.
4. Determine whether audio transmission or IR transmission will be used, and set the Audio/IR switch accordingly. See Sample Application 1 & 2.
5. Connect the male RCA plugs to the female RCA inputs on the baluns.
6. If using IR transmission, connect the IR signal using the terminal blocks on the balun.
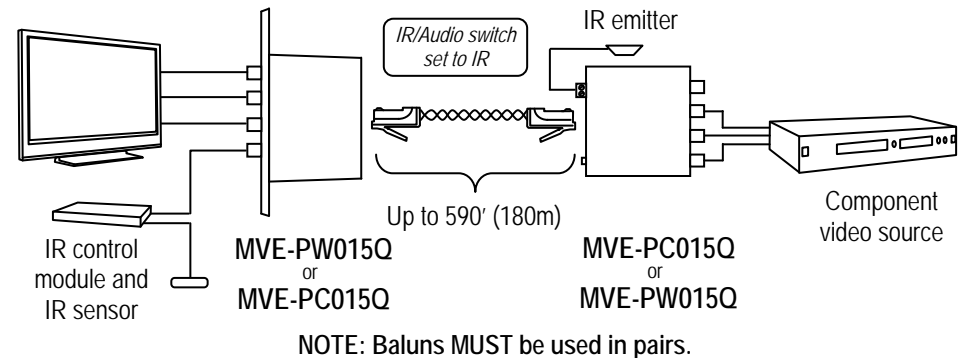
### RJ-45 Pin Configuration

| Connector | | Pins |
|---|---|---|
| Red | (Pr) | Pins 7 & 8 |
| Green | (Y) | Pins 3 & 6 |
| Blue | (Pb) | Pins 1 & 2 |
| Digital audio or IR | | Pins 4 & 5 |

*Use T568B wiring standard*

## Sample Application #1: Using Audio Transmission

Up to 590′ (180m)

IR/Audio switch set to Audio

MVE-PW015Q or MVE-PC015Q

MVE-PC015Q or MVE-PW015Q

Amplifier

Component video source

NOTE: Baluns MUST be used in pairs.

## Sample Application #2: Using IR Transmission

IR/Audio switch set to IR

IR emitter

Up to 590′ (180m)

IR control module and IR sensor

MVE-PW015Q or MVE-PC015Q

MVE-PC015Q or MVE-PW015Q

Component video source

NOTE: Baluns MUST be used in pairs.