

Troubleshooting:

Component video balun does not function correctly

- Make sure all input and output connections are connected firmly to the balun
- Make sure the video input device is turned on
- Make sure the video output device is turned on
- Test the Cat5/6 cable between the baluns
- Make sure the IR/Audio transmission switch is set to the correct position

Also Available from SECO-LARM:

Passive Audio Baluns



MAE-P115-01Q (shown)

HDMI over Cat5e/6



MVE-AH010Q

3.5mm Stereo Balun



MAE-P317-01Q

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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.



**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:**

Audio / 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		

**Installation:**

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

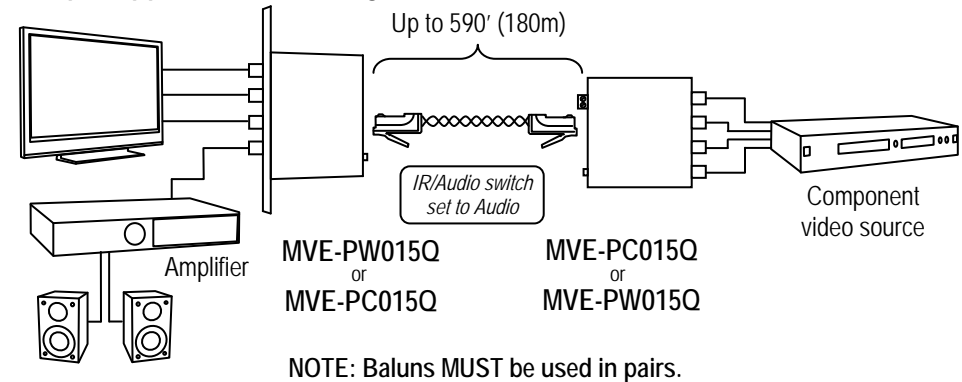
1. Mount and install the baluns where the video inputs and outputs can be easily accessed.
2. If using the included mounting plate, attach the plate to the balun using the included screws.
3. Connect the Cat5e/6 cable to the RJ-45 outputs on the back of both baluns. Use T568B wiring standard.
4. Determine 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**

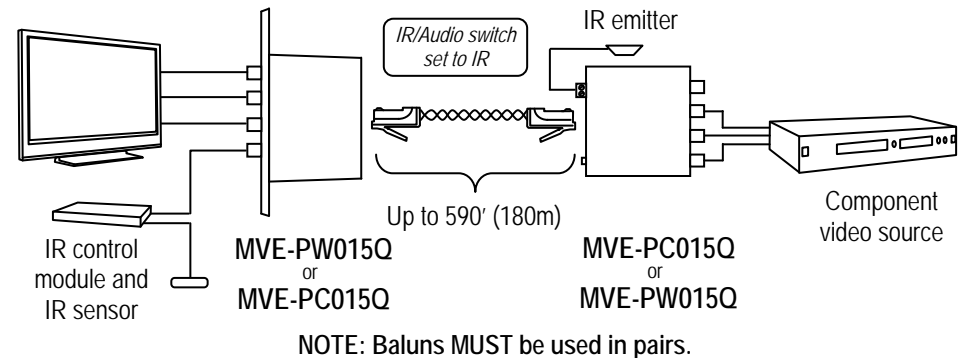
Connector		Pins
Red	(Pr)	Pins 7 & 8
Green	(Y)	Pins 3 & 6
Blue	(Pb)	Pins 1 & 2
Digital audio or IR		Pins 4 & 5

*Use T568B wiring standard*

**Sample Application #1: Using Audio Transmission**



**Sample Application #2: Using IR Transmission**



**Overview:**

