

### Overview

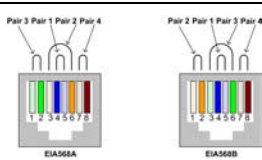
The Active Component Video Balun Kit allows component video, analog stereo audio and/or digital audio, and one IR-emitter signal to be transmitted via a cost-effective unshielded copper twisted cable in a point-to-point configuration.

The product supports simultaneous stereo audio and digital audio transmission. The product provides an IR-emitter pass-through connectivity, supports up to 1080p resolution, and features manual brightness and sharpness adjustments. Applications include digital signage, residential, boardroom, classroom, and home theatre video systems.

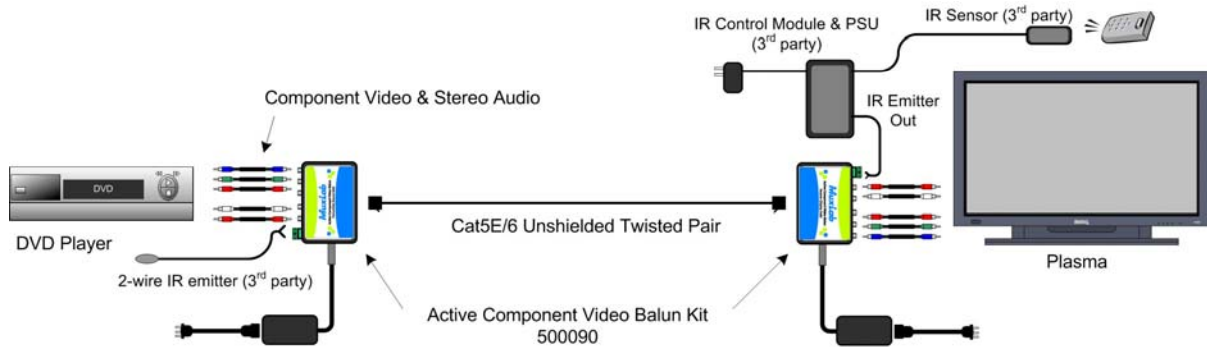


### Key Features

- Up to 1,000 ft (305m) via Cat5e/6 @ 480i/p
- Up to 500 ft (152m) via Cat5e/6 @ 1080p
- Supports simultaneous stereo and digital audio
- IR-Emitter pass-through
- Manual brightness compensation
- Manual sharpness compensation
- Ground loop isolation

Specifications	
Environment	Component Video with Analog Stereo and/or Digital Audio, IR-Emitter Pass-Through
Devices	DVD Players, Satellite Receivers, PCs, laptops, CRT monitors, LCD monitors, plasma screens, DLP projectors
Transmission	Transparent to the user
Bandwidth	Up to 220 MHz (1080p)
Input Impedance	Video & Digital Audio RCA: 75 ohms; Stereo Audio: 2.2 Kohms
Output Impedance	Cat 5e: 100 ohms
Connectors: Transmitter	Component Input: 3 x female RCAs Stereo Audio Input: 2 x female RCAs Digital Audio Input: female RCA IR-Emitter Pass-Through: 2 position terminal block Transmitter Output (Cat 5e): RJ45 shielded
Connectors: Receiver	Receiver Input (Cat 5e): RJ45 shielded Component Output: 3 x female RCAs Stereo Audio Output: 2 x female RCAs Digital Audio Output: female RCA IR-Emitter Pass-Through: 2 position terminal block
Max Distance: Component Video (Y/Pb/Pr) via Cat 5e UTP Cable (or better)	480i/p: 1,000 ft (305 m) 720p/1080i: 500 ft (152 m) 1080p: 500 ft (152 m)
Max Distance: Audio (Stereo/Digital) via Cat 5e UTP Cable (or better)	Analog Stereo Audio: 1,000 ft (305 m) Digital Audio: 1,000 ft (305 m)
RJ45 Pin Configuration Reverse Polarity Sensitive Use EIA/TIA 568A or 568B, straight-through wiring	<div> Green (Y): Pin 1 [R] Pin 2 [T]  Blue (Pb): Pin 4 [R] Pin 5 [T]  Red (Pr): Pin 7 [R] Pin 8 [T]  IR-Emitter Pass-Through: Pin 3 [R] Pin 6 [T] </div> <div>  </div>
Brightness Adjustment	Brightness control via rotary switch on receiver (factory default setting: Zero gain)
Sharpness Adjustment	Sharpness control via potentiometer on receiver (factory default: fully counterclockwise)
LED Indicators	Tx Balun: Power: One (1) green LED Rx Balun: Power: One (1) green LED
Cable	Cat 5e unshielded twisted pair (or better)
Power Supplies (2)	110-240V/12VDC/0.5A, 12VDC power jacks Removable AC blades included for North America, Continental Europe & UK
Temperature	Operating: 0° C to 40° C Storage: -10° C to 70° C Humidity: Up to 95% non-condensing
Enclosure	Black. ABS fire retardant plastic
Dimensions	6" x 4.25" x 1.50" (15.3 cm x 10.8 cm x 3.8 cm)
Weight	2.8 lbs (1.3 kg)
Regulatory	FCC/CE, RoHS
Warranty	Two (2) years
Order Information	500090: Active Component Video Balun Kit

### Typical Application



### Rear Panels

