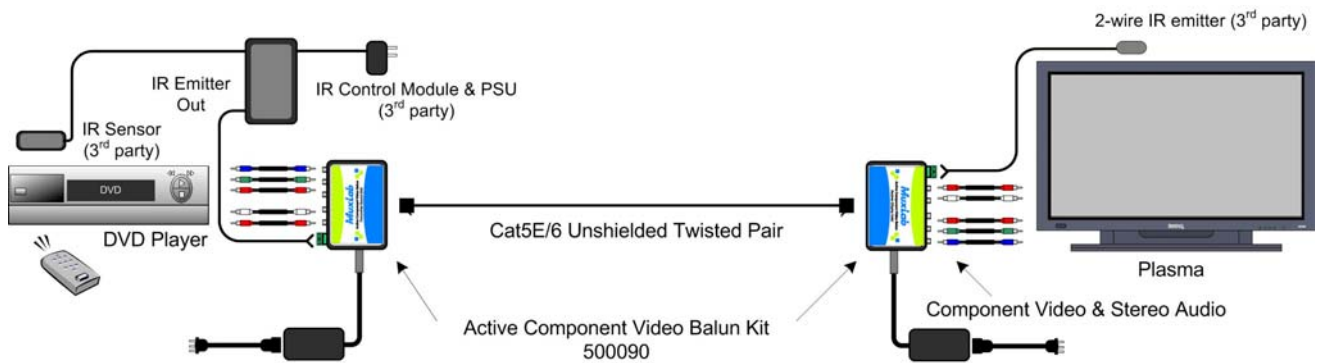




## Active Component Video Balun Kit II (500090)

### Frequently Asked Questions (FAQ)

1. **What are the advantages of the 500090 over the passive component video baluns?** The advantages are:
  - better image quality
  - ground loop isolation to help eliminate hum bars
  - elimination of up to seven (7) single use AV cables
  - fewer points of failure
  - fewer Cat5E cables to install.
  
2. **What is the main application for the 500090?** The main application is where a central AV rack must distribute multiple AV services over pre-existing Cat5E cable to a remote location in a building.
  
3. **Is the 500090 compatible with the 500250/252?** No.
  
4. **Is the video quality of the 500090 better than the passive component video baluns (i.e. 50005x) ?** Yes. The video quality of the 500090 is better than the passive component video baluns. According to MuxLab R&D testing at 1080p, the 500090 exceeds 500-ft distance via Cat5E/6 cable which is beyond the limitation of the passive component video baluns. Furthermore, the 500090 has ground loop isolation to eliminate "hum" bars whereas the passive component video baluns do not. The 500090 also has gain compensation to adjust brightness and sharpness.
  
5. **Is it possible to install the IR sensor at the source and the IR emitter at the display?** Yes, as long as the 2-wire IR emitter is connected to the 500090 and not 3-wire IR sensor.



6. **Does the 500090 support S-Video when used with an S-Video to Dual RCA cable assembly at both ends?** Yes. The Active Component Video Balun Kit (500090) supports S-Video if an S-Video-to-dual RCA cable is used on both ends. <http://www.ramelectronics.net/audio-video/video-cables/s-video-cables/s-video-to-dual-rca-cable-csv2rca10/prodCSV2RCA10.html>. The Luma signal (Y) would connect to the component video Y channel, and the Chroma (C) would connect to the component video Pb or Pr channel.

For more information, please contact MuxLab Customer Technical Support at 877-689-5228 (North America) or +1 514-905-0588 or at [videoease@muxlab.com](mailto:videoease@muxlab.com) or visit <http://www.muxlab.com/>.  
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