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**CALRAD**  
**ELECTRONICS**

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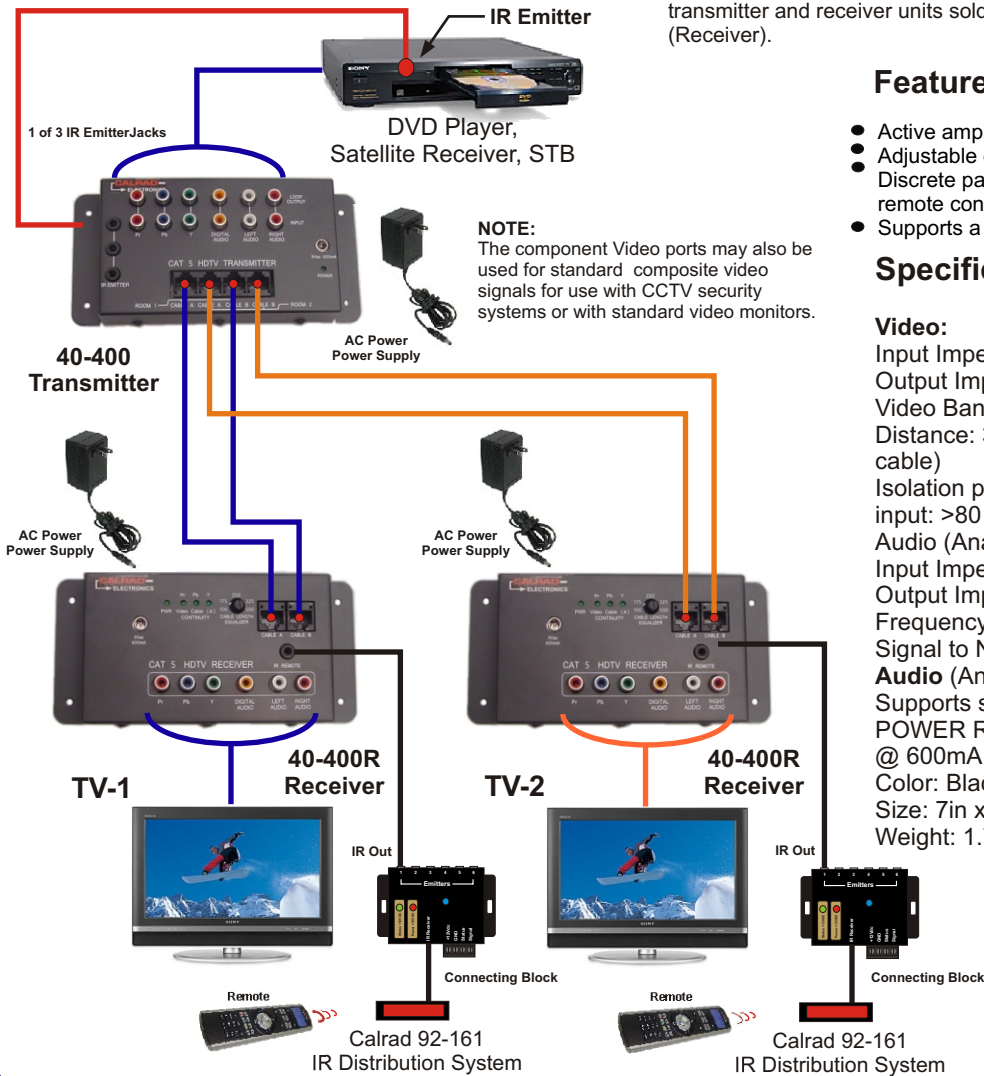
**Product Sheet**

**Part No.**  
**40-400, 40-400R**  
**Component Video, Audio, IR**  
**Balun System**



Calrads 40-400, 40-400R Audio/Video baluns provide an economical alternative to coaxial cables for long length audio/video installations. Baluns are able to maintain a critical 75 Ohm Impedance to audio/video devices while providing 100 Ohm Impedance to the UTP cabling infrastructure. This balanced impedance allows the audio/video signals to travel with little to no degradation up to 300ft over more affordable unshielded twisted pair Cat5 cabling (Up to 500ft over Cat6). Both cables Cat5e, or Cat6 cables are required for the units to work properly.

When connected to the 40-400 transmitter, the 40-400R receiver is able to carry Component Video, Digital Audio, Left/Right Audio and IR Emitter transmission over two common Cat5 cables. Both units features RCA jacks for audio, Component Video, and (S/PDIF, Digital audio) connections and a 1 x 3.5mm jack for the receiver and 3 x 3.5mm jacks for the transmitter. Indicator L.E.Ds on the front panel confirm that a Component Video signal is present. Cable length equalizer circuitry is adjustable for optimum picture viewing. The transmitter and receiver units sold separately, 40-400 (Transmitter), 40-400R (Receiver).



**Features:**

- Active amplification ensures high quality transmission
- Adjustable cable length equalizer
- Discrete passive IR channel for the use of external IR remote control systems
- Supports a two room system

**Specifications:**

**Video:**  
 Input Impedance: 75 ohms  
 Output Impedance: 75 ohms  
 Video Bandwidth: >75MHz  
 Distance: 300ft @1080i (500 feet with Cat6 cable)  
 Isolation port-to-port: >65dB Isolation output to input: >80 dB

**Audio (Analog):**  
 Input Impedance: 22kohm  
 Output Impedance: 1kohm  
 Frequency Response: 20Hz~20 kHz  
 Signal to Noise: 80dB@1volts out

**Audio (Analog L+R, Digital)**  
 Supports standard S/PDIF digital audio  
**POWER REQUIREMENT:** External 9 / 10 volt AC @ 600mA (power supply included)  
 Color: Black  
 Size: 7in x 3.25in x 1in  
 Weight: 1.75lbs

