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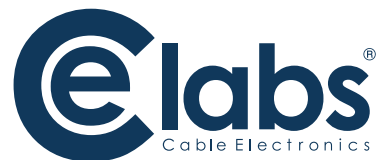
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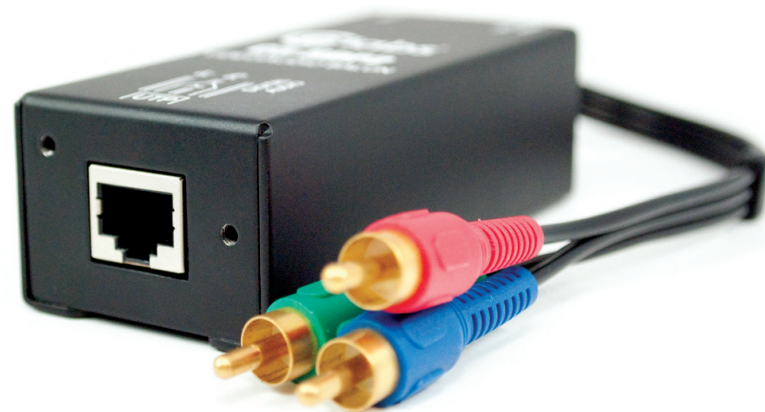
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Document: C5-HDP2\_manual.pdf

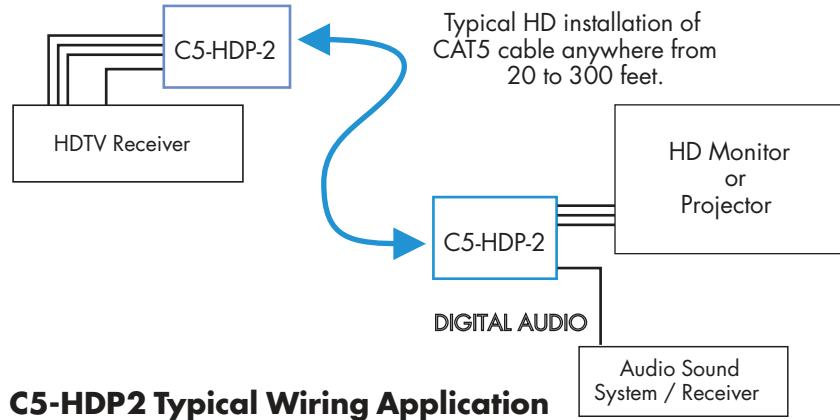
# INSTRUCTION MANUAL



## C5-HDP2 Cat 5 Distribution Adapter UTP Balun



Distribute a High Definition Video/Digital Audio Source to remote locations over extended distances using economical Cat 5 cable.



### C5-HDP2 Typical Wiring Application

## INSTALLATION/OPERATION INSTRUCTIONS

Unpack the C5-HDP2 from the box. Place the adapter in a location close to the source unit.

Connect the C5-HDP2 to the appropriate output jacks on the source using the integrated RCA component video cable. If needed, connect the digital audio with the included RCA to 3.5mm cable.

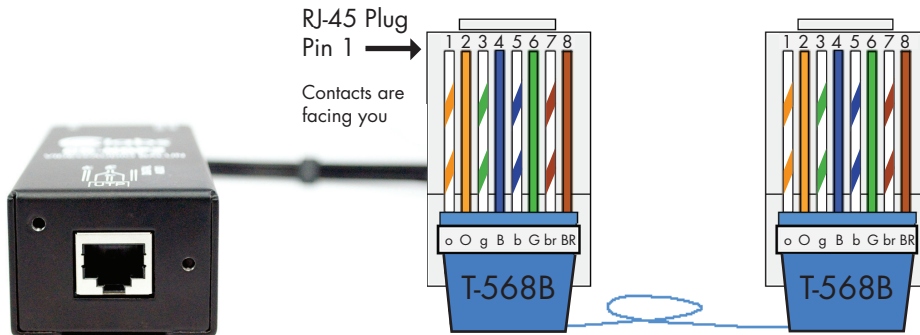
If not already installed, run the UTP cable from the source to the destination. Leave extra cable length to terminate the ends with RJ-45 connectors. Either EIA-568A or EIA-568B wiring standard may be used, as long as it is the same on both ends of the UTP cable.

Do not use a cross-over cable! We recommend EIA-568B.

Plug the remote end of the UTP cable into a second C5-HDP-2 unit. Connect the integrated component video cable from the C5-HDP2 to the HD monitor. The digital audio can be connected to the monitor (provided that it has the digital audio input option) or to an audio receiver that has digital audio input capabilities.

Adjust brightness on video monitor to compensate for cable loss.

Installation is complete.



## HIGH DEFINITION CAT5 PASSIVE BALUNS

The C5-HDP2 is a high quality, wide bandwidth balun that is designed specifically to transport HD video over medium distance UTP cable runs. It has an integrated 8" RGB cable for component video and digital SPDIF audio. The UTP connector uses standard Cat5 or Cat6 cable in order to transport the signals to a remote location. All four channels use the same wide bandwidth, custom balun transformer. This allows all channels to be used for composite video if desired. The chassis is heavy gauge aluminum to stand up to any abuse and provides excellent shielding to prevent pickup of unwanted signals. The chassis is powder-coat painted to ensure corrosion and scratch resistance.

## SPECIFICATIONS

### VIDEO

Nominal Input Level:	1 Volt peak to peak
Gain:	N/A (Passive unit)
Input Impedance:	75 ohms
Output Impedance:	Balanced 100 ohms
Isolation port to port:	>60 dB
Isolation out to input:	Bi-directional
Return loss:	>15 dB
Video bandwidth:	> 35 MHz
Interface:	Integrated 8" cable with RCA connectors

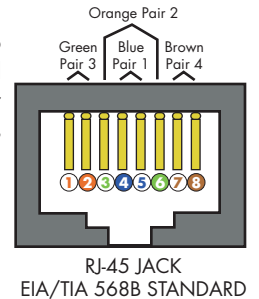


### AUDIO

Digital/Analog:  
There is one audio channel available. It may be used to transport a SPDIF digital audio signal or a mono audio signal (mono analog signal will be attenuated slightly due to lower impedance of the Digital Audio channel). Adapter cable is included.

### PIN OUT

Pin	Description	Pin	Description
1	Pr +	5	Y-
2	Pr-	6	Pb-
3	Pb+	7	Digital Audio +
4	Y+	8	Digital Audio -



### DISTANCE

The adapter provides a minimum of signal loss and may be used for High Definition distribution with cable lengths up to 200 feet usually with no adjustment to the monitor. We have achieved good results with a 1080i signal with cable in excess of 300 feet. Due to the passive nature of the adapter and the inherent loss of the UTP cable, the picture was a little less bright, but easily corrected with minor adjustment to the monitor brightness control. For composite video, the balun should provide an excellent picture in excess of 750 feet. When used in security applications, a monochrome picture will work in excess of 1500 feet.

### POWER

No power required.

### DIMENSIONS

1.2" X 1.7" X 3.9"