



INSTALLATION MANUAL

CT-COMP-EXT

Component Video/Digital Audio Extender Over CAT-5/5e, CAT-6 Cable



PACKAGE CONTENTS

This package contains:

- One pair (two units) of the CT-COMP-EXT Component Video/Digital Audio Extender
- One installation manual

PRODUCT DESCRIPTION

The CT-COMP-EXT is a video/digital audio balun kit consisting of two interchangeable units (a transmitter and receiver) that boosts component video/audio transmission distance up to 1000 feet. With low-cost CAT-5/5e or CAT-6 cable, users can easily extend component sources from digital set top boxes, DVD players, game consoles, PC and other sources to distant component-enabled televisions. The transmission distances between the two units can be up to 100 feet at 480i/p, 500 feet for 720p and 1080i, and 500 feet for digital audio. All transmission distances are measured using Belden CAT-5e cable.

SPECIFICATIONS

CT-COMP-EXT

Specifications (Typical)

1. Video Format	Component video
2. Impedance	100Ω at 1MHz
3. Maximum Capacitance	20pf per foot
4. Transmitter Inputs/Receiver Outputs	3 component video RCA jacks, 1 digital audio RCA jack
5. Transmitter Outputs/Receiver Input	8-pole modular RF-45 jack (T568B)
6. Dimensions	4"(W) x 2" (D) x 1" (H)



INSTALLATION AND OPERATION

1. UNPACKING and HANDLING

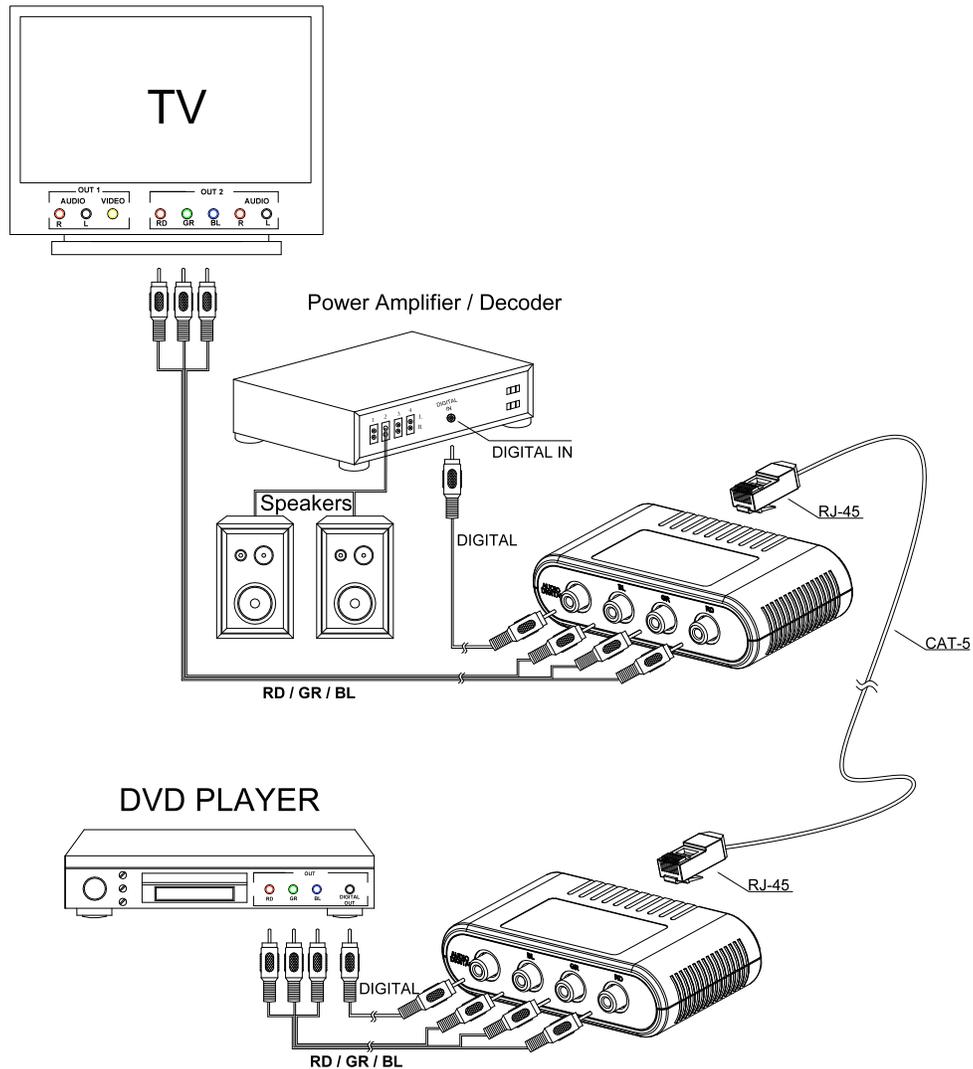
Each unit is shipped assembled and factory tested.

Ensure that all accessories are removed from the container before discarding packing material

2. MECHANICAL INSPECTION

Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact your distributor or Cabletronix at 1-610-429-1511 for assistance.

3. WIRING DIAGRAM



4. HARDWARE CONNECTIONS and ADJUSTMENT

- a. Connect the audio/video source (e.g., DVD player) to the **CT-COMP-EXT balun** using component video cables. Be sure the cable's Red, Green, Blue connectors are properly matched to the video source and the balun's ports. Component video Y = Green, P_B = Blue and P_R = Red.
- b. Connect a digital audio cable (orange connector) between the audio/video source and the **CT-COMP-EXT balun's** digital audio port (orange).
- c. Connect the component television to the second **CT-COMP-EXT balun** using component video cables. Be sure the cable's Red, Green, Blue connectors are properly matched to the television and the balun's ports. Again, component video Y = Green, P_B = Blue and P_R = Red.
- d. Connect a digital audio cable (orange connector) between the television's power amplifier, home theater or other audio system to the balun's digital audio port (orange).
- e. Connect each balun to the CAT-5/5e or CAT-6 cable via the balun's RJ-45 connector.

5. TROUBLESHOOTING

- a. Make sure all component and CAT cable connections are tight and not loose.
- b. To reduce the interference among the unshielded twisted pairs of wires in the CAT cable you can use shielded CAT-5/5e or shielded CAT-6 cables to improve EMI problems that worsen in long transmission lines.
- c. The quality of CAT cables has a major effect on the usable distance of transmission lines and the quality of the displayed signal. Therefore, the actual transmission length is subject to the quality of the CAT cables being used. Further, for resolutions greater than 1080i or 1280x1024 CAT-6 cable is recommended. Professional grade transmission lines such as Cabletronix CAT-5e and CAT-6 cables should be used.
- d. Further troubleshooting assistance can be found on-line at www.cabletronix.com in addition to support from Cabletronix sales engineers at 1-610-429-1511.

This is a notice to inform you that content passing through this device may contain strong language or depictions of violence, sex, or substance abuse. This unit contains no parental control features. Parental discretion is advised.