



INSTALLATION MANUAL

CT-CATTX and CT-CATRX CAT 5 Distribution Hub and Receiver

IMPORTANT INFORMATION



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DO NOT OPEN THE CABINET, REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

PACKAGE CONTENTS

This package contains:

- One CT-CATTX Cat 5 Distribution Hub (transmitter)
- One CT-CATRX Cat 5 Receiver
- One 9 VAC Power Adaptor
- One CT-CATTX/CT-CATRX Installation Manual

PRODUCT DESCRIPTION

The CT-CATTX/CT-CATRX is a CAT 5 distribution hub (transmitter) and receiver designed to distribute high definition video and audio signals from one source to multiple locations over extended distances using economical CAT 5 cable. The CT-CATTX has one set of RCA inputs and one set of RCA loop-thru connectors to go to the next transmitter if installed. The CT-CATRX supports one monitor with component video, right and left audio, and digital audio. The receiver has adjustable equalizer to correct for the signal loss caused by long cables.

SPECIFICATIONS

CT-CATTX / CT-CATRX

CAT 5 Distribution Hub and Receiver Specifications (Typical)

Video	
1. Video Impedance	75 ohms
2. Video Bandwidth	>75MHz (HD requires 37MHz minimum)
3. Video Gain	2V unterminated, 1V into 75 ohms
4. Nominal Input Level	1V peak-to-peak
5. Isolation Port to Port	>65dB
6. Out to In Isolation	>80dB
7. Return Loss	>30dB
8. Distance	300 feet@1080i (500 feet with Cat 6 cable)
Audio (Analog)	
9. Audio Input Impedance	22K ohm
10. Audio Output Impedance	1K ohm
11. Gain	Unity
12. Frequency Response	20Hz to 20kHz
13. Signal to Noise	80dB@1V (out)
14. Nominal Input Level	1V peak-to-peak
15. Digital Audio	Supports standard SPDIF digital audio. Not compatible with analog input signals.
General	
16. Power	9V AC@600mA with a 2.1mm center coaxial connector
17. Dimensions	174mm(W) x 25mm(H) x 83mm(D)

INSTALLATION

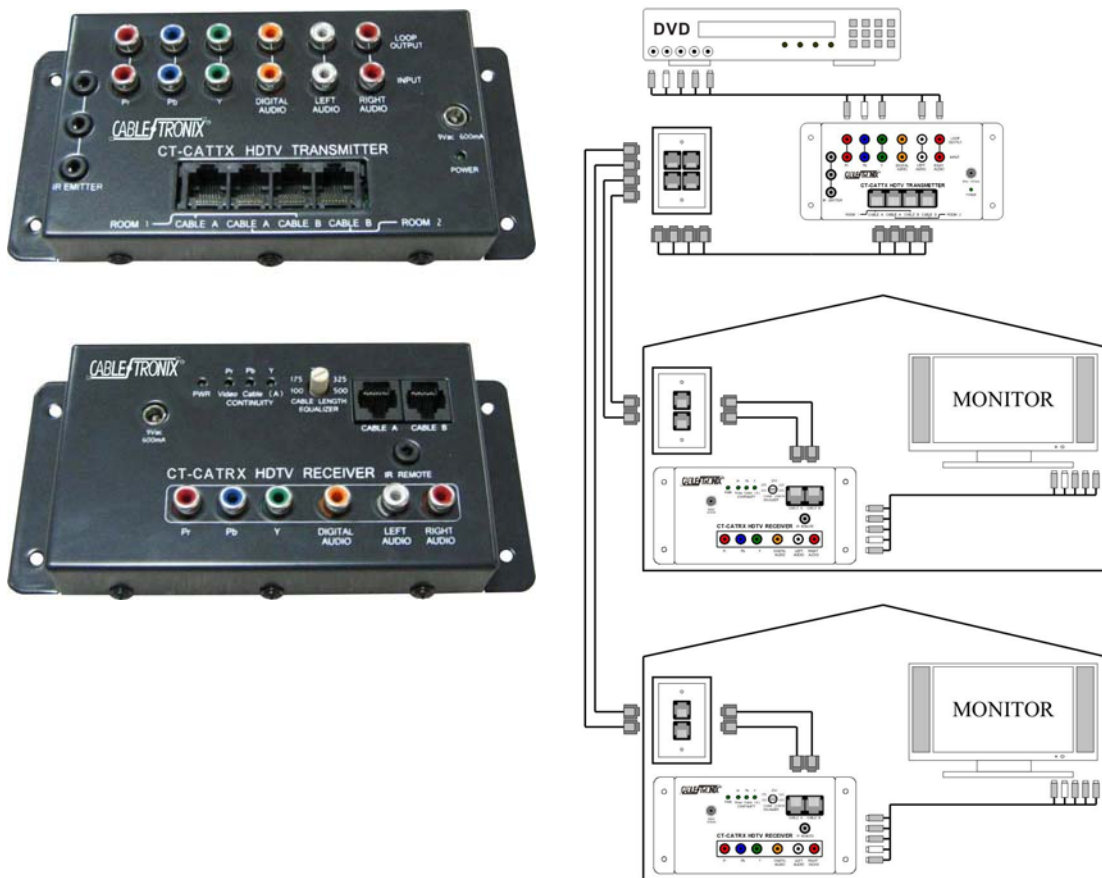
1. UNPACKING and HANDLING

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. PRODUCT DIAGRAM



4. HARDWARE CONNECTIONS

- Connect Cat 5 cables A1 and B1 to the CT-CATTX's RJ-45 jacks. At the other end of the same cables connect A1 and B1 to the CT-CATRX. The RCA outputs are used to connect to the remote monitor.
- Insert the power supply connector into the power jacks of both units. Plug the wall transformer into a power outlet. The power LED should be on and the unit is ready to use. The CT-CATRX will have 3 LEDs on to indicate continuity of the CAT 5 cable. If one of the Continuity LEDs is not on there could be a problem with the A cable. Both A and B cables should be installed for the detector to work properly.

- c. Adjust the equalization control to the approximate length of the CAT 5 cable. View the picture on the monitor and fine tune the equalization control for the most pleasing picture.

Troubleshooting assistance can be found on-line at www.cabletronix.com in addition to support from Cabletronix sales engineers at 1-610-429-1511.