



INSTALLATION MANUAL

CT-700

One In/Seven Out Composite Video/Audio Distribution Amplifier

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-700 Distribution Amplifier
- One CT-700 Power Supply
- One CT-700 Installation Manual

PRODUCT DESCRIPTION

The CT-700 allows any audio./video source to distribute composite video with left and right audio to up to seven different locations without any signal loss.

SPECIFICATIONS

CT-700

Distribution Amplifier Specifications (Typical)

Video	
1. Nominal Input Level	1 V peak-to-peak
2. Gain	1 V into 75Ω (2 V unterminated)
3. Input Impedance	75Ω
4. Output Impedance	75Ω
5. Isolation Out to Input	60 dB
6. Return Loss	18 dB
7. Video Bandwidth	100MHz (HDTV requires 37MHz minimum)
Audio	
1. Nominal Input Level	1 V peak-to-peak
2. Gain	Unity (one to one)
3. Input Impedance	22K Ω
4. Output Impedance	1K Ω
5. THD	0.05%
6. Frequency Response	20Hz to 100kHz
7. Channel Separation	>75 dB
8. Port to Port Isolation	60 dB
9. Out to Input Isolation	60 dB
10. Signal to Noise	100 dB @ 2 V out
GENERAL	
1. Power	9 – 10 V AC @ 600mA with 2.1mm power jack
2. Dimensions	8.25" (W) x 2.75" (H) x 1.25" (D)
3. Weight	1lb

– INSTALLATION AND OPERATION

NOTE TO SYSTEM INSTALLER

System installer must adhere to Article 820-40 of the NEC that provides guidelines for proper grounding and specifies that the cable ground shall be connected to *the grounding system of the building*, as close to the point of cable entry as practical.

1. UNPACKING and HANDLING

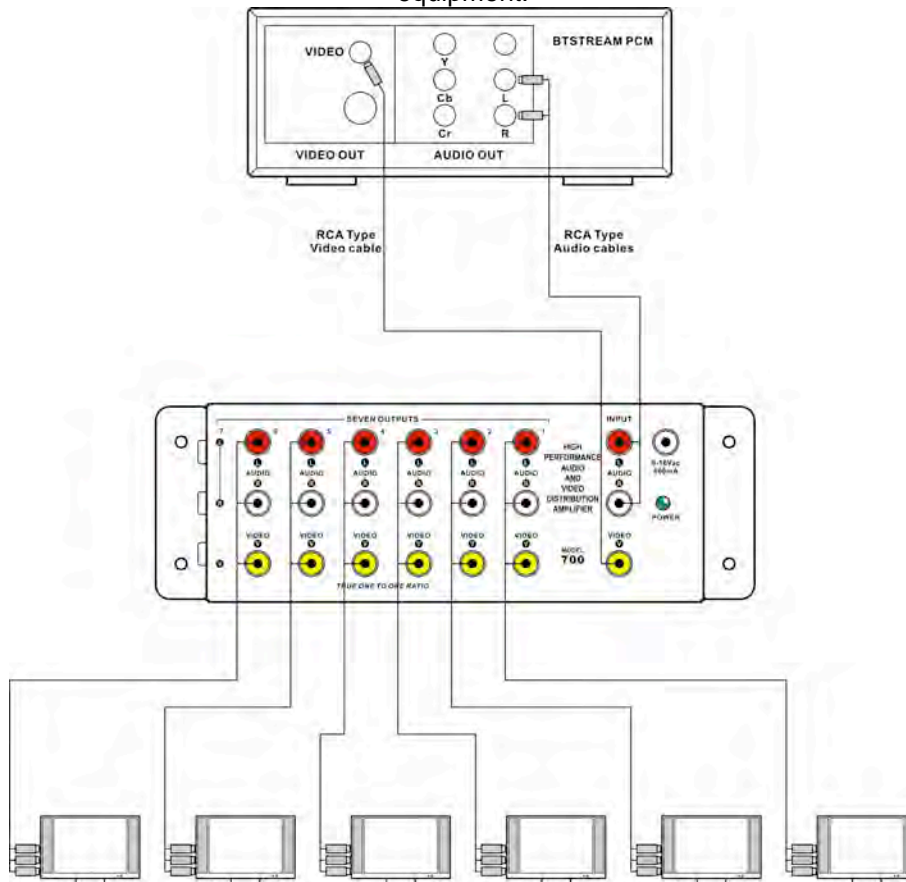
Each unit is shipped with all equipment assembled, and factory tested. Ensure that all accessories are removed from the container before discarding packing material

2. MECHANICAL INSPECTION

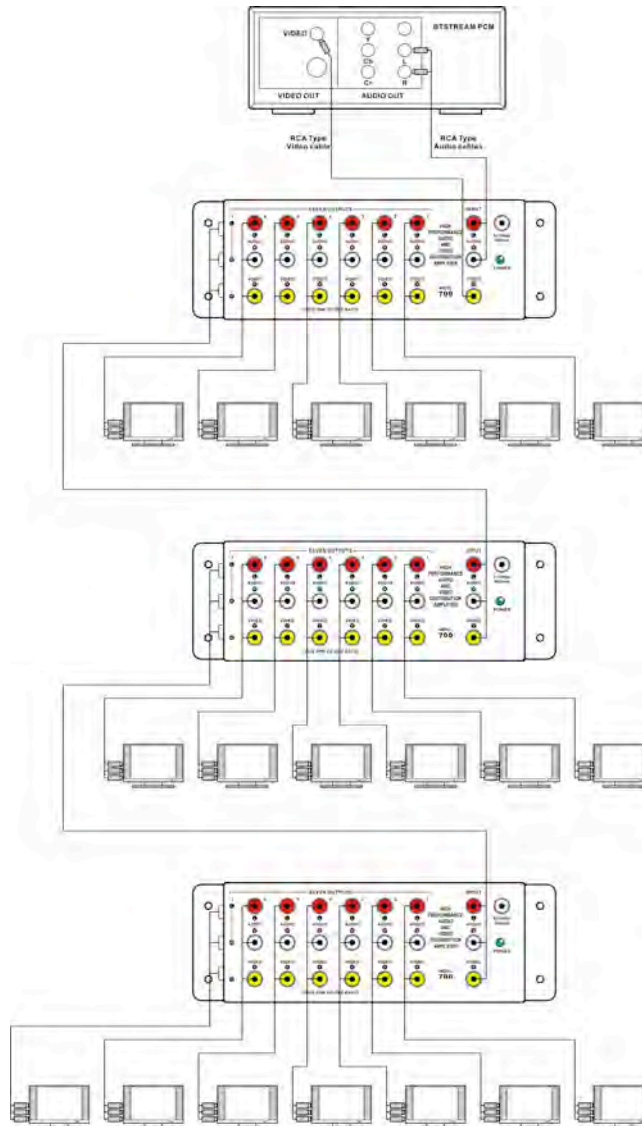
Inspect the front and rear of the equipment for shipping damage. Make sure the equipment is clean, and no connectors are broken, damaged, or loose. If equipment appears to be damaged or defective please contact us at 1-610-429-1511 for assistance.

3. PRODUCT DIAGRAM

Rear view of any audio/video source with composite applications such as a DVD, VCR or other equipment.



Multiple CT-700 units can be looped, cascaded or installed in tandem as shown below without audio/video signal loss.



4. HARDWARE CONNECTIONS

- Connect the signal source's composite video output to the distribution amplifier's composite video output.
- Connect the signal source's audio L/R output to the distribution amplifier's audio L/R input.
- Connect your TV or monitor's composite input to the distribution amplifier's composite video OUTPUT 1, OUTPUT 2, OUTPUT 3, OUTPUT 4, OUTPUT 5, OUTPUT 6, or OUTPUT 7.
- Connect your TV or monitor's audio L/R input to the distribution amplifier's audio L/R

output used in step “c” above.

5. TROUBLESHOOTING

- a. Ensure you are using quality audio/video cables with RCA connectors.
- b. Maximum cable distance between TV/monitor and the CT-700 is 150 feet.
- c. Maximum cable distance between two daisy-chained or cascaded CT-700s is 100 feet.
- d. Further troubleshooting assistance can be found on-line at www.northamericancable.com and www.cabletronix.com in addition to support from Cabletronix sales engineers at 1-610-429-1511.