

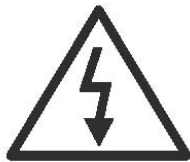


INSTALLATION MANUAL

CT-9X1HD

1-In 9-Out Audio/Video 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-9X1HD Audio/Video Distribution Amplifier
- One 9V AC Power Adaptor
- One CT-9X1HD Installation Manual

PRODUCT DESCRIPTION

The CT-9X1HD is a component audio/video 9-port HDTV distribution amplifier. The unit is designed to allow any audio/video source with Y, Cb, CR or Y, Pb, Pr outputs (components) to distribute audio and video from a single source to nine different locations without any signal loss. The CT-9X1HD also supports composite video and digital audio. 480i, 720p, 1080i, and 1080p resolutions are supported making it ideal for high definition signals.

SPECIFICATIONS

CT-9X1HD

1-In 9-Out Distribution Amplifier Specifications (Typical)

Video	
1. Video Impedance	75 ohm
2. Video Bandwidth	>100MHz (HDTV requires 37MHz minimum)
3. Video Gain	2V unterminated, 1V into 75 ohms
4. Return Loss	18dB
5. Port to Port Isolation	32dB
6. Out to In Isolation	60dB
7. Nominal Input Level	1 Volt peak-to-peak
Audio (Analog)	
8. Audio Input Impedance	22K ohm
9. Audio Output Impedance	1K ohm
10. Gain	Unity
11. THD	0.05%
12. Frequency Response	20Hz to 100kHz
13. Channel Separation	>75dB
14. Port to Port Isolation	60dB
15. Out to In Isolation	60dB
16. Signal to Noise	100dB@2V (out)
17. Nominal Input Level	1 Volt peak-to-peak
18. Digital Audio	Supports standard SPDIF digital audio. Unity gain when terminated into 75 ohms (2X gain high impedance). Greater than 50MHz of bandwidth to ensure minimal degradation.
General	
19. Power	9V AC @1000mA with a 2.1mm center coaxial connector.
20. Dimensions	

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

INSERT IMAGE and CONNECTIONS HERE

4. HARDWARE CONNECTIONS

- a. Connect the signal source's component video (Y, Pb, Pr) output to the distribution amplifier's component video (Y, Pb, Pr) input. Or, connect the signal source's composite video output to the distribution amplifier's composite video input.
- b. Connect the signal source's audio L/R output to the distribution amplifier's audio L/R input.
- c. Connect your TV or monitor's component video (Y, Pb, Pr) input to the distribution amplifier's component video (Y, Pb, Pr) OUTPUT 1, OUTPUT 2, OUTPUT 3, or OUTPUT 4. Or, connect your TV or monitor's composite video input to the distribution amplifier's composite video OUTPUT 1, OUTPUT 2, OUTPUT 3 or OUTPUT 4.
- d. Connect your TV or monitor's audio L/R input to the distribution amplifier's audio L/R output.

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