



## INSTALLATION MANUAL

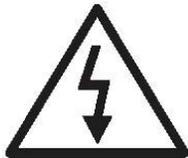
### CT-1XAVTR-K2

## Quad IR Component Video/Audio Balun Kit

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### ***IMPORTANT INFORMATION***

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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-1XVATX Quad IR Component Video/Audio Balun Transmitter
- Two CT-1XVARX Quad IR Component Video/Audio Balun Receivers
- One 12V DC 500mA Power Adapter
- One IR Emitter
- One IR Receiver
- One CT-1XVATR-K2 Installation Manual

## PRODUCT DESCRIPTION

The CT-1XVATR-K2 is a Quad IR Component Video/Balun kit consisting of a CT-1XVATX transmitter and two CT-XVARX receivers. The transmitter allows for component video and digital/analog audio signals to be transmitted up to 300 feet over 2-pair twisted cable such as CAT 5, 5e and 6. The CT-1XVATX transmitter can support up to 4 TVs using CT-1XVARX receivers. The CT-IXVATR-K2 also includes infra-red (IR) capability for support of remote control.

## SPECIFICATIONS

### CT-1XVATR-K2

Specifications (Typical)

<b>PERFORMANCE</b>	
1. Maximum video input	1.2V peak-to-peak
2. Return Loss	>15dB to 1,000 MHz
3. Common Mode Rejection	>40dB @ 1,0000 MHz
4. Maximum Cable Distance	300 feet
5. Video Signal	Component
6. Audio Signal	Digital/Analog
7. Configuration	1 :4
8. IR Capability	Yes
9. Loop Through Capability	Yes
<b>MECHANICAL</b>	
1. CT-1XVATR Connections	2 sets: 3 RCAs (video) 1 RCA (analog audio) 8 RJ45 1 IR Emitter
2. CT-1XVATR Connections (R)	2 sets: 3 RCA (video) 1 RCA (audio) 2 RJ45 1 IR Target 1 Analog Audio
3. Power	12V DC 500mA with included power supply

# 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 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. SAFETY

The CT-1XVATR-K2 has been tested for conformance to safety regulations and requirements. However, like all electronic equipment the CT-1XVATR-K2 should be used with care. Please read and follow the instructions below to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on the units.
- Do not attempt to service this unit yourself except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Place away from objects that might damage the device.
- Place the units on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean the units. Always unplug the power to the devices before cleaning.

#### 4. PRODUCT DIAGRAM

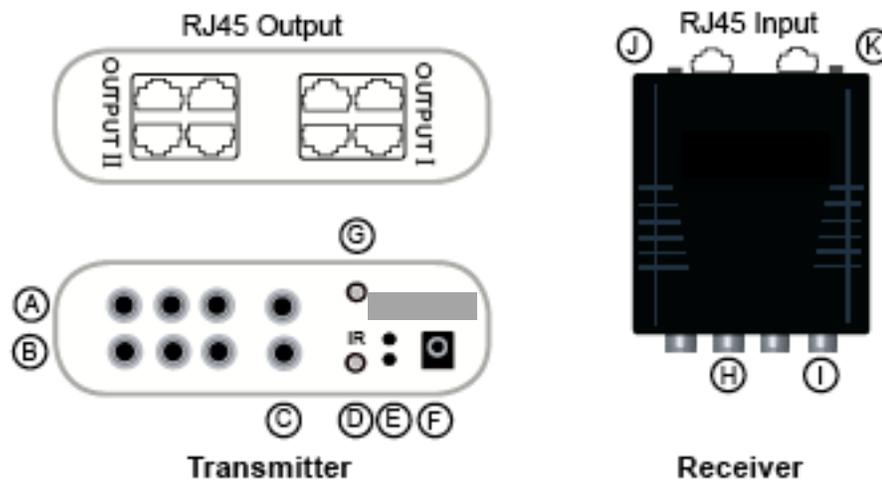


**CT-1XVATX Transmitter**



**CT-1XVARX Receiver**

#### 5. HARDWARE CONNECTIONS and ADJUSTMENT



- (A) RCA Component Video Inputs
- (B) Loop Through RCA Component Video Outputs
- (C) RCA Digital Audio Input and Loop Through Output
- (D) IR Emitter Output
- (E) IR/Power LEDs
- (F) 12V DC Power Input
- (G) Analog Audio Input
- (H) RCA Component Video Output
- (I) RCA Digital Audio Output
- (J) IR Target Input
- (K) Analog Audio Output

***Ensure all power to equipment is switched off prior to installation***

**CT-1XVATX Transmitter**

- a. Connect RCA cables from Component Source to the CT-1XVATX's Component Video Input jacks (A).
- b. Connect an RCA cable from the Digital Audio output on the Component Source to the CT-1XVATX's Digital Audio Input jack (C).
- c. Connect an audio cable from the Analog Audio output on the Component Source to the CT-1XVA-TX's Analog Audio Input jack (G) if required.
- d. Connect a second RCA cable from the transmitter's Loop Through jacks (B) to the component input of the local audio/video device (e.g., television).
- e. Connect the IR Emitter to the CT-1XVA-TX's IR Emitter Output jack (D)
- f. Connect the transmitters RJ45 jacks (Output I and Output II) to corresponding Input 1 and Input II jacks on the CT-1XVARX receiver using CAT5, 5e or 6 cable. Repeat connections for additional devices using additional receivers.

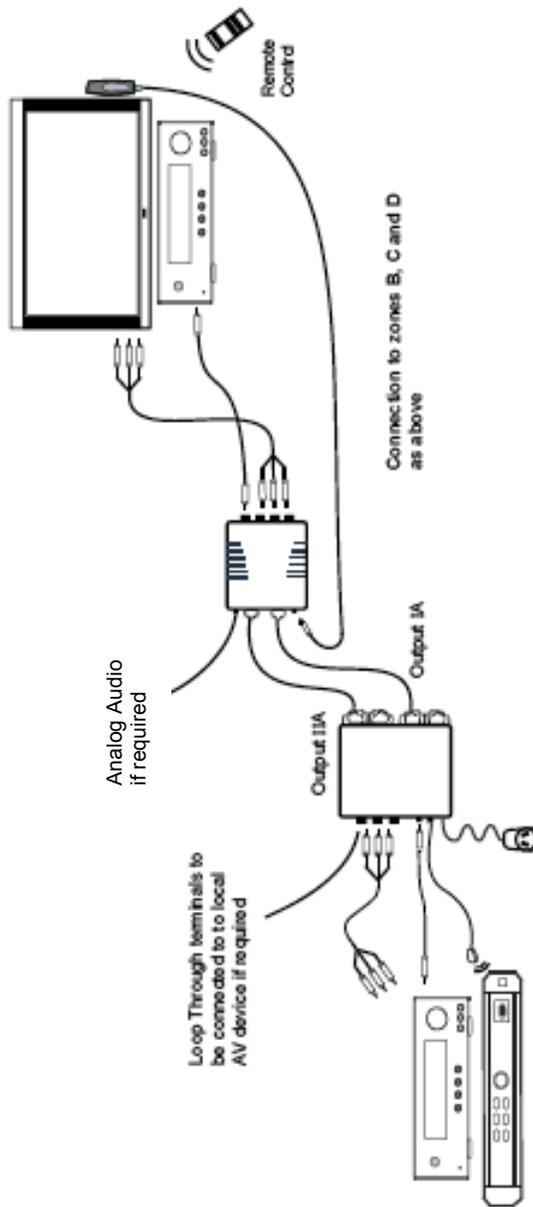
**CT-1XVARX Receiver**

- a. Connect a component video RCA cable (red, green, blue) from the CT-1XVA-RX's RCA Video Output jack (H) to the corresponding input on the component device (e.g., television).
- b. Connect a digital audio RCA cable (orange) from the CT-1XVA-RX's RCA Digital Audio Output jack (I) to the corresponding input of the component device (e.g. television).
- c. Connect an analog audio cable (green) from the CT-1XVA-RX's Analog Audio Output jack (K) to the corresponding input of the component device (e.g., television).
- d. Connect the IR Target to the CT-1XVA-RX's IR Target Input jack (J). The target can be mounted using adhesive backing anywhere within the remote control's line-of-sight.
- e. Repeat the above steps for additional connections.

Now connect the 12V DC power supply to the CT-1XVA-TX's Power Input jack (F).

Once installation is complete, switch on power to all equipment. The Power LED (E) on the CT-1XVA-TX should be illuminated green.

Troubleshooting assistance can be found on-line at [www.cabletronix.com](http://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.