

CTA CT-HDVD-HDCX-IR-V2

Kit - Includes Transmitter and Receiver

User Manual

CT-HDVD-HDCXIR-RX-V2

Additional Receiver

User Manual



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1. Safety Instructions



The lightning flash with arrowhead symbol, within an equilateral triangle, indicates the presence of uninsulated dangerous voltage within the product that could pose a risk of electric shock to users.



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 accompany 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.

2. Introduction

The CT-HDVD-HDCX-IR-V2 has been designed to convert HDMI signals up to 1080p for transmission over a single 75 ohm RF coaxial cable such as RG6, RG59 or RG11. The transmitter uses a 64 QAM mode to achieve long distance transmission with minimal signal degradation, and a source can easily be set up for one to one transmit and display. By adding a 1,000 MHz rated coaxial RF splitter and an additional receive only unit (CT-HDVD-HDCXIR-RX-V2), customers can also distribute the transmitted signal to multiple compatible display points. Using a single low-cost coaxial cable, users can readily extend HDTV sources from DVD players, gaming consoles, computers, and many other sources to distant display monitors including high definition enabled television sets or LCD PC monitors. With the advantage of excellent image quality and strong resistance to interference this model is ideal for video surveillance, digital signage, educational videos or any other application that requires an HDMI source to be located a long distance from the viewing panel or panels. This unit includes an infrared remote control, the infrared function within this product is exclusive to the IR remote and is used solely to change the receive channel of the receive device at the TV.

3. Features

- Fully compatible with HDCP
- Transmit up to 1640' (500 m) with RG6 coaxial cable at 1080P
- Supports up to 72 channels
- Supports multiple receivers

4. Package Contents

- 1- HDMI to RF Transmitter TX
- 1- RF to HDMI Receiver RX
- 1- IR Remote Control*1pcs
- 1- IR Receiver Extension Cable
- 2- Power Supplies (CT-HDVD-HDCX-V2-PS - Replacement Power Supply)
- 1- User's manual

5. Installation Requirements

- Connect power to 12V input on rear of device
- HDMI source device
- TV with HDMI input
- Coaxial cables

6. Panel Descriptions

CT-HDVD-HDCX-IR-V2 Transmitter Rear Panel



- | | |
|----------------------------|---|
| 1. RF Out | 4. USB (S/W update) |
| 2. HDMI Out (pass through) | 5. Input 12 V DC Power Adapter (Included) |
| 3. HDMI In | |

CT-HDVD-HDCX-IR-V2 Transmitter Front Panel



- | | |
|------------------------|----------------------|
| 1. Display Screen | 3. Channel Up Button |
| 2. Channel Down Button | 4. Show S/W Version |

6. Panel Descriptions

CT-HDVD-HDCX-IR-V2 Receiver/ CT-HDVD-HDCXIR-RX-V2 Rear Panel



- | | |
|-----------------------|--|
| 1. RF Signal Receiver | 3. IR Receiver Extension Cable Interface |
| 2. HDMI Output | 4. Input 12V DC Power Adapter(Included) |

CT-HDVD-HDCX-IR-V2 Receiver/CT-HDVD-HDCXIR-RX-V2 Front Panel



- | | |
|------------------------|----------------------|
| 1. Display Screen | 3. Channel Up Button |
| 2. Channel Down Button | 4. Power Button |

Channel Parameters Settings

There are 72 channels (1-72), the instrument is configured through its 2 keys and front panel display.

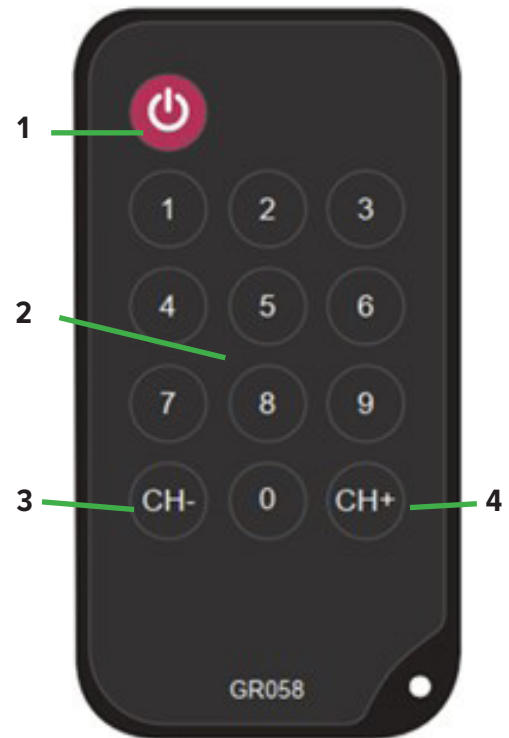
The CT-HDVD-HDCX-IR-V2 Transmitter output channel and Receiver input channel must be set to the same channel.

7. IR Remote Control

The IR remote is used solely to change the receive channel of the RX device at the TV.

This channel selection is for the receivers only, and is not passed across the coax to the transmitter(s).

- 1. Power On/Off Key
- 2. Channel Number Keys
- 3. Channel Down Button
- 4. Channel Up Button

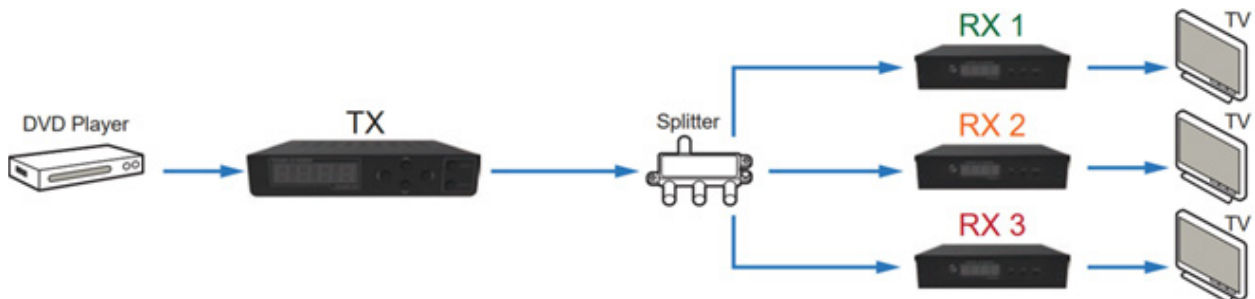


8. Connections

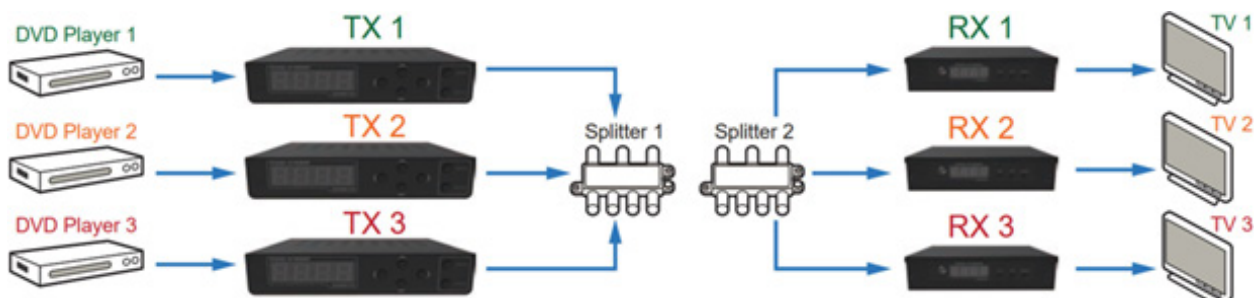
One Transmitter to One Receiver Connection



One Transmitter to Multiple Receivers Connection



Multiple Transmitters to Multiple Receivers Connection



9. Specifications

Specifications	
HDMI Input	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
HDMI Output	Pass through
RX HDMI Output	1080p@60Hz
Video Encoding	H.264
Audio Encoding	MPEG2
Frequency Range	177-213MHz, 473-857MHz
Effective Bit Rate	Max. 23.75 bits
RF Out	40 dBuV
RF RX Sensitivity	-74dBm
RF Interface	75Ω Type F
Power Supply	12V/1A
Enclosure Material	Metal
Transmitter Dimensions	6.69 x 7.08 x 1.25" (170 x 180 x 32 mm)
Transmitter Weight	1.06 lbs.(481 g)
Receiver Dimensions	4.8 x 3.14 x 1.12" (122 x 80 x 28.5 mm)
Receiver Weight	0.49 lbs. (224 g)
Color	Black
Warranty	2 Years Limited

CABLETRONIX - 2 Years Limited Warranty

CABLETRONIX. (the “Company”) warrants to the Original Purchaser that the item purchased is free from defects in workmanship or material under normal use. This warranty starts on the date of shipment of the hardware to the Original Purchaser.

During the warranty period, the Company agrees to repair or replace, at its sole option, without charge to Original Purchaser, any defective component. To obtain service, the Original Purchaser must return the item to the Company properly packaged for shipping. All defective products must be returned to the Company within thirty (30) days of failure. Products must be returned with a description of the failure and Return Merchandise Authorization (RMA) number supplied by the Company. To receive a RMA number and a return shipping address on where to deliver the hardware, call 610-429-1821. The shipping, and insurance charges incurred in shipping to the Company will be paid by Original Purchaser, and all risk for the hardware shall remain with the Original Purchaser until such time as Company takes receipt of the hardware. Upon receipt, the Company will promptly repair or replace the defective unit, and then return said unit to Original Purchaser, shipping prepaid. The Company may use reconditioned or like-new parts or units, at its sole option, when repairing any hardware. Repaired products shall carry the same amount of outstanding warranty as from original purchase. Any claim under the warranty must include dated proof of purchase or invoice. In any event, the Company’s liability for defective hardware is limited to repairing or replacing the hardware.

This warranty is contingent upon proper use of the hardware by Original Purchaser and does not cover: if damage is due to Acts of God (including fire, flood, earthquake, storm, hurricane or other natural disaster), accident, unusual physical, electrical, or electromechanical stress, modifications, neglect, misuse, operation with media not approved by the Company, tampering with or altering of the hardware, riot, war, invasion, act of foreign enemies, hostilities (regardless of whether war is declared), civil war, rebellion, revolution, insurrection, military or usurped power or confiscation, terrorist activities, nationalization, government sanction, blockage, embargo, labor dispute, strike, lockout or interruption or failure of electricity, air conditioning, or humidity control, Internet, network, or telephone service.

The warranties given herein, together with any implied warranties covering the hardware, including any warranties of merchantability or fitness for a particular purpose, are limited in duration to one year from the date of shipment to the Original Purchaser. Jurisdictions vary with regard to the enforceability of warranty limitations, and you should check the laws of your local jurisdiction to find out whether the above limitation applies to you.

The Company shall not be liable to your for loss of data, loss of profits, lost savings, special, incidental, consequential, indirect, or other similar damages arising from breach of warranty, breach of contract, negligence, or other legal action even if the Company or its agent has been advised of

the possibility of such damages, or for any claim brought against your by another party. Jurisdictions vary with regard to the enforceability of provisions excluding or limiting liability for incidental or consequential damages. You should check the laws of your local jurisdiction to find out whether the above exclusion applies to you.

This warranty allocates risks of product failure between Original Purchaser and the Company. The Company's hardware pricing reflects this allocation of risk and the limitations of liability contained in this warranty. The warranty set forth above is in lieu of all other express warranties, whether oral or written. The agents, employees, distributors, and dealers of the Company are not authorized to make modification to this warranty, or additional warranties binding on the Company. Accordingly, additional statements such as dealer advertising or presentations, whether oral or written, do not constitute warranties by the Company and should not be relied upon.

This warranty gives you specific legal rights. You may also have other rights which vary from one jurisdiction to another.