



# HDMI Extender over 2 CAT5e with IR Installation Guide

## **Introducing the *HDMI Extender***

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The *HDMI Extender over 2 CAT5e with IR* boosts your audio/video transmission distance up to 60m (200ft) in HDTV 1080i format. With two cost effective CAT5e/6 cables, users can readily extend an HDMI source such as a DVD player, Blu-ray Disc player, game console, PC, and any other TMDS compliant devices to a remote HDMI/DVI TV or LCD monitor. This cost effective solution provides flexibility for HDMI enabled devices to transmit high quality audio/video to greater distances at minimal cost.

## **Features and Benefits**

- HDMI 1.3a and HDCP compliant
- Extends audio/video transmission from an HDMI source to an HDMI display over two economical CAT5e/6 cables
- Controls source devices from the remote side instantly
- Embedded IR control path
- Minimize cable skew with the adjustable 8-level equalization knob
- Supports distances up to 60m/200ft @ 720p/1080i or 40m/130ft @ 1080p

## Package Contents

- HDMI transmitter (TX)
- HDMI receiver (RX)
- 1x Power adapter (5V, 2A)
- IR transmitter extension cable (90cm/3ft)
- IR receiver extension cable (90cm/3ft)
- Installation guide

## Layout



Figure 1: Transmitter (front & back)

- HDMI In: connect to a HDMI source with an HDMI M-M cable (not included) here
- IR Blaster: this is the IR sending socket, connect the IR transmitter extension cable here
- A/V Signal: plug in a CAT5e/6 cable, links to the A/V Signal connector of the receiving unit
- CTRL Channel: plug in a CAT5e/6 cable, links to the CTRL Channel connector of the receiving unit



Figure 2: Receiver (front & back)

- HDMI Out: connect an HDMI display with an HDMI M-M cable (not included) here
- Signal Level: adjusts the equalization of the received signal from 0 (strongest) to 7 (weakest). It is recommended to switch from 0 to 7 to find the optimal visual experience
- IR Receiver: this is IR receiving socket, connect the IR receiver extension cable here
- A/V Signal: plug in a CAT5e/6 cable, links to the A/V Signal connector of the transmitting unit
- CTRL Channel: plug in a CAT5e/6 cable, links to the CTRL Channel connector of the transmitting unit
- +5V DC: connect to the included 5V power adapter



Figure 3: IR Transmitter



Figure 4: IR Receiver

## Hardware Installation

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1. Connect your HDMI source to the transmitter.
2. Connect the IR transmitter cable to the transmitting unit and point the emitter directly to the IR of the HDMI source.
3. Connect your HDMI display to the receiving unit.
4. Connect your CAT5e cables between the transmitting and receiving units. Make sure the cables are securely connected and not loose.
5. Connect the IR receiver cable to the receiver, and point the IR receiver directly to the IR of the HDMI display.
6. Plug the power adapter into the receiver, then plug the power adapter into a reliable power source.

**Note:** the transmitter does not need a power adapter.

7. If needed, adjust the Signal Level switch from 0 - 7 (strongest - weakest) to find the optimal visual experience.

## Notes

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1. When transmitting non-HDCP compliant audio/video, you can use just one CAT5e/6 cable connected through A/V Signal.
2. All transmission distances in this manual are measured using CAT5e cable(s). Actual transmission length and quality of the received display depends on the quality of your CAT5e/6 cables.
3. To reduce EMI interference over long transmission distances, use shielded CAT5e/6 cables.
4. For resolutions greater than 1080i or 1280 x 1024, a CAT6 cable is recommended.

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## Technical Support and Warranty

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**QUESTIONS?** SIIG's **Online Support** has answers! Simply visit our web site at [www.siig.com](http://www.siig.com) and click **Support**. Our online support database is updated daily with new drivers and solutions. Answers to your questions could be just a few clicks away. You can also submit questions online and a technical support analyst will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. This warranty covers the original purchaser and guarantees the product to be free of any defects in materials or workmanship for three (3) year from the date of purchase of the product.

SIIG will, at our discretion, repair or replace (with an identical product or product having similar features and functionality) the product if defective in materials or workmanship. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please see our web site for more warranty details.

If you encounter any problems with this product, please follow the procedures below.

A) If it is within the store's return policy period, please return the product to the store where you purchased from.

B) If your purchase has passed the store's return policy period, please follow the steps below to have the product repaired or replaced.

**Step 1:** Submit your RMA request.

Go to [www.siig.com](http://www.siig.com), click **Support**, then **REQUEST A PRODUCT REPLACEMENT** to submit a request to [SIIG RMA](#) or fax a request to 510-657-5962. Your RMA request will be processed, if the product is determined to be defective, an RMA number will be issued.

**Step 2:** After obtaining an RMA number, ship the product.

- Properly pack the product for shipping. All accessories that came with the original package must be included.
- Clearly write your RMA number on the top of the returned package. SIIG will refuse to accept any shipping package, and will not be responsible for a product returned without an RMA number posted on the outside of the shipping carton.
- You are responsible for the cost of shipping to SIIG. Ship the product to the following address:

**SIIG, Inc.**  
**6078 Stewart Avenue**  
**Fremont, CA 94538-3152, USA**  
**RMA #: \_\_\_\_\_**

- SIIG will ship the repaired or replaced product via Ground in the U.S. and International Economy outside of the U.S. at no cost to the customer.

## About SIIG, Inc.

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Founded in 1985, SIIG, Inc. is a leading manufacturer of IT connectivity solutions (including Serial ATA and Ultra ATA Controllers, FireWire, USB, and legacy I/O adapters) that bridge the connection between Desktop/Notebook systems and external peripherals. SIIG continues to grow by adding A/V and Digital Signage connectivity solutions to our extensive portfolio.

SIIG products offer comprehensive user manuals, many user-friendly features, and are backed by an extensive manufacturer warranty.

High quality control standards are evident by the overall ease of installation and compatibility of our products, as well as one of the lowest defective return rates in the industry. SIIG products can be found in computer retail stores, mail order catalogs, through major distributors, system integrators, and VARs in the Americas and the UK, and through e-commerce sites.

### **PRODUCT NAME**

HDMI Extender over 2 CAT5e with IR

FCC RULES: TESTED TO COMPLY WITH FCC PART 15, CLASS B OPERATING ENVIRONMENT: FOR HOME OR OFFICE USE

### **FCC COMPLIANCE STATEMENT:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

THE PARTY RESPONSIBLE FOR PRODUCT COMPLIANCE

SIIG, Inc.  
6078 Stewart Avenue  
Fremont, CA 94538-3152, USA  
Phone: 510-657-8688

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