



# HDMI over Single Coax Extender with IR

## Quick Installation Guide

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### Introduction

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The *HDMI over Single Coax Extender with IR* will extend HDMI 1.3 signals over one coaxial cable.

### Key Features and Benefits

- Extends HDMI transmission over a coaxial cable with bi-directional IR path
- Supports 7.1-channel audio
- Supports 480i, 576i, 720p, 1080i and 1080p video resolutions
- HDMI and HDCP compliant

### Package Contents

- *HDMI over Single Coax Extender with IR* (Tx & Rx units)
- 2x Power adapters
- IR Blaster cable & IR Receiver cable
- Quick installation guide

# Layout

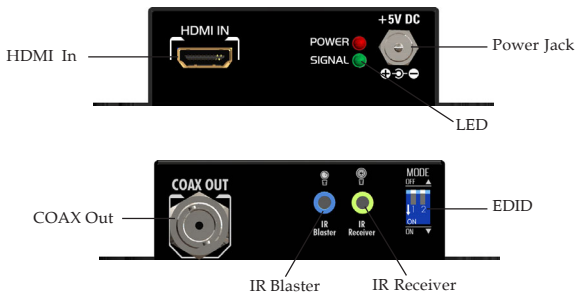


Figure 1: Transmitter (front & back)


- **HDMI IN:** Connect to a HDMI source device with a HDMI M-M cable
- **Power Jack:** Connect to a 5V DC power adapter
- **LED:** Green light means video in Full-HD mode. Orange light means video in SD or HD mode
- **COAX OUT:** Connect to a coaxial cable to be linked to the Receiver's (Rx) COAX In
- **IR Blaster:** Connect to IR Blaster cable
- **IR Receiver:** Connect to IR Receiver cable

- **EDID**

- Pin #1 (OFF) / Pin #2 (OFF) = 3G /HD / SD-SDI with multi-channel audio except DTS-HD Master & Dolby TrueHD
- Pin #1 (OFF) / Pin #2 (ON) = 3G/HD/SD-SDI with stereo PCM audio
- Pin #1 (ON) / Pin #2 (OFF) = HD/SD-SDI with stereo PCM audio
- Pin #1 (ON) / Pin #2 (ON) = EDID Learning Mode\*
- Pin #1 (OFF) / Pin #2 (OFF) = Factory Default

**\*Note:** If the default EDID setting doesn't work with your display, see **EDID Learning** on page 10 for instructions.

## Dip Switches

ON = 


OFF = 



Figure 2: Receiver (front & back)

- **HDMI OUT:** Connect to a HDMI display with a HDMI male-male cable
- **Power Jack:** Connect to a 5V DC power adapter
- **LED:** Green light means video in Full HD mode. Red light means video in SD or HD mode
- **IR Blaster:** Connect IR Blaster cable
- **IR Receiver:** Connect IR Receiver cable
- **COAX IN:** Connect to a coaxial cable to be linked to the Transmitter's (Tx) COAX Out

# IR Cables



Figure 3: IR Blaster



Figure 4: IR Receiver

- **IR Blaster:** The IR Blaster emits IR command signals received from the IR remote control of the device on the opposite end
- **IR Receiver:** Receives IR command signals from the IR remote control of the device on the opposite end

**Note:** Incorrect placement of IR Blaster and IR Receiver may result in the failure of the IR cables. Please check carefully before plugging in the IR cables to the respective IR sockets.

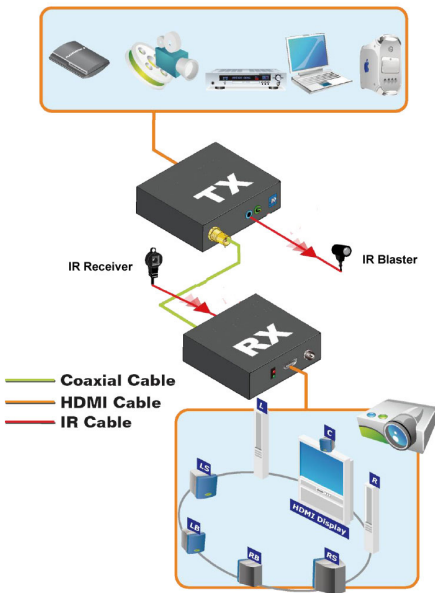


Figure 5

The IR cables shown in Figure 5 are positioned to control the source device (PC, DVD, audio receiver, etc.) from the display side.

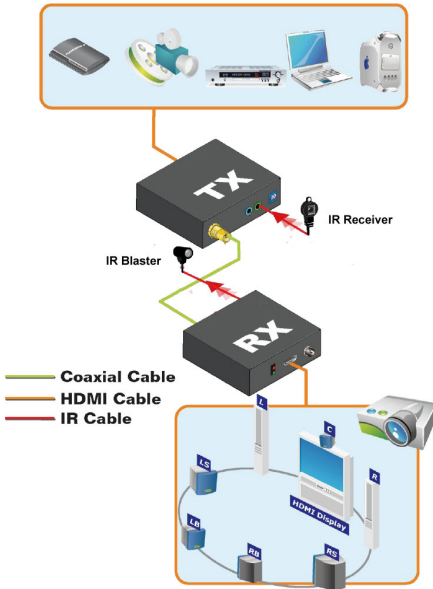


Figure 6

The IR cables shown in Figure 6 are positioned to control the display from the source side.

## Hardware Installation

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1. Power off all devices, including the source HDMI device and display.
2. Connect your HDMI source (such as a Blu-ray player) to the transmitter's **HDMI IN**.
3. Connect your HDMI display (such as a LCD TV) to the receiver's **HDMI OUT** connector.
4. Connect the IR cables to the transmitter's and receiver's IR connector. Use the appropriate IR cable and socket depending on the desired IR direction.
5. Point the IR Blaster directly at the device's IR receiver. On the opposite end, position the IR Receiver to be accessible to the device's IR remote control.

**Note:** Connecting the IR cables is optional. Skip steps 4 and 5 and go directly to step 6 if IR support is not needed.



6. Connect your coaxial cable between the transmitter and receiver. Make sure the coaxial cable is securely connected and not loose.
7. Plug one of the included power adapters into the **Power Jack** of the transmitter, plug the second power adapter into the **Power Jack** of the receiver, then plug both power adapters into a reliable power source.
8. Power on all devices.

## EDID Learning

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EDID is used to transmit the make, model and characteristics of a monitor to the display adapter in the computer. It is also used by an HDTV to identify it's maximum resolution to the DVD player, A/V receiver or video processor.

1. Power off the transmitter, see **Figure 1**. Disconnect the coaxial cable between the transmitter and receiver.
2. Connect an HDMI cable from the transmitter's **HDMI IN** connector to the display's HDMI connector (use HDMI 1 for displays with multiple HDMI connectors). *Do not connect the HDMI source device at this time.*
3. Set the **EDID** on the transmitter at ON-ON.
4. Power on the transmitter. The LED on the **Transmitter** see **Figure 1**, will turn on, which indicates the EDID learning process is finished.
5. Do not change the dip switch. If done so, the EDID learning will lose all information and will have to start over again.

# 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) years 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 **REQUEST A PRODUCT REPLACEMENT**, then **RMA** 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 over Single Coax Extender 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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