



HDMI Over Gigabit IP Distribution System Quick Installation Guide

Introduction

The *HDMI Over Gigabit IP Distribution System* provides an easy extension of HDMI signal over one Cat5/6 cable up to 330ft.

Features and Benefits

- Compliant with HDMI, HDCP and DVI standards
- HDMI signal transmission/extension up to 100 meters
- Supports HDTV resolution up to 1080p
- Supports PCM 2 channel audio & IR pass through
- Metal housing for better RF shielding

Package Contents

- *HDMI Over Gigabit IP Distribution System - Transmitter*
- *HDMI Over Gigabit IP Distribution System - Receiver*
- Power adapter 5V/2.5A (2)
- IR blaster cable & IR receiver cable
- Quick installation guide

Layout



Figure 1: Transmitter_Rear

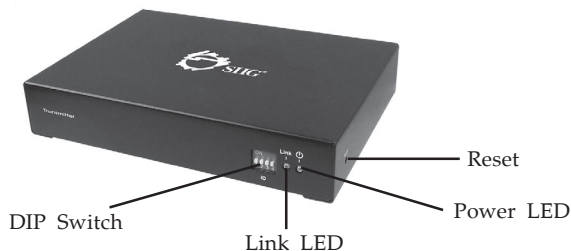


Figure 2: Transmitter_Front

- DC5V: Plug the included power adapter here
- RJ45: Connect to the Receiver's RJ45 port by using a Cat 5/6 cable (cable not included)
- HDMI IN: Connects to your HDMI source device using an HDMI cable (cable not included)
- IR Emitter: Connect the IR blaster cable here
- Power LED: On when power adapter is connected
- Link LED: On when RJ45 connection is established
- DIP Switch: When there're more than 1 input sources, select your source channel through DIP switch
- Reset: Press and hold down the reset button for 5 seconds to go back to the factory default settings



Figure 3: Receiver_Rear

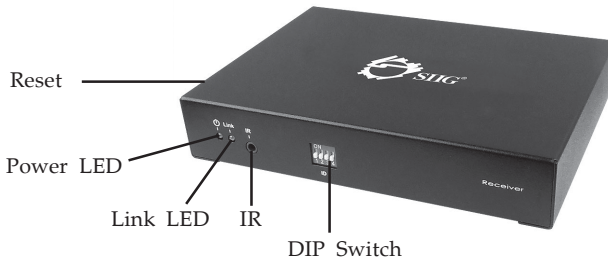


Figure 4: Receiver_Front

- DC5V: Plug the included power adapter here
- RJ45: Connects to the Transmitter's RJ45 port using a Cat 5/6 cable (cable not included)
- HDMI OUT: Connects to your HDMI display using an HDMI cable (cable not included)
- Reset: Press and hold the reset button for 5 seconds to go back to the factory default settings
- Power LED: On when power adapter is connected
- Link LED: On when RJ45 connection is established
- IR: Connect the IR receiver cable here
- DIP Switch: When there are more than 1 input sources, select your source channel through DIP switch

IR Extension Cables

IR Blaster Cable:

Connect the IR blaster cable to your Transmitter's **IR Emitter** connector to send out IR command signals, if needed.



Figure 5

IR Receiver Cable:

Connect the IR receiver cable to your Receiver's **IR** connector to receive IR command signals, if needed.



Figure 6

DIP Switch

Adjust your DIP switch to select the source channel. There are 16 combinations; that is, you can connect at most 16 transmitters at the same time.

Refer to **Figure 7** for the position of switch 1-4, and refer to **Table 1** for all the 16 combinations.

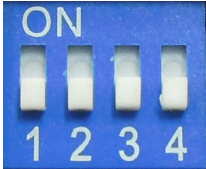


Figure 7

Source channel	Combination (Switch 1-4) *	Source channel	Combination (Switch 1-4) *
1	0000	9	0111
2	0001	10	1011
3	0010	11	1001
4	0100	12	0110
5	1000	13	0010
6	1100	14	0101
7	0011	15	1101
8	1110	16	1111

* "0" means remain the switch down; "1" means bend the switch up to ON

Table 1

Hardware Installation

1. Power off all devices, including the HDMI source device and HDMI display.
2. Connect your HDMI source (such as a Blu-ray player) to the Transmitter's **HDMI IN** connector.
3. Connect your HDMI display (such as a LCD TV) to the Receiver's **HDMI OUT** connector.
4. Connect the IR extension cables to the IR blaster and IR receiver connector on the Transmitter and Receiver respectively.

Skip this step if IR transmission is not needed.

5. *To connect Transmitter and Receiver directly:* Connect your CAT5/6 LAN cable between the Transmitter and Receiver. Make sure your Cat5/6 LAN cable is securely connected and not loose.

To connect Transmitter and Receiver indirectly: Connect the Transmitter to the input port of a Gigabit Ethernet hub by using a Cat5/6 LAN cable, then connect the Receiver to the output port of the Gigabit Ethernet hub by using another Cat5/6 LAN cable.

6. Plug one of the included power adapters into the **DC5V** power jack of the transmitter, plug the second power adapter into the **DC5V** power jack of the receiver, then plug both power adapters into reliable power sources.
7. After the transmitter and receiver are connected, the HDMI extender is ready for use.

Application

One Transmitter to One Receiver

Connect Transmitter and Receiver Directly

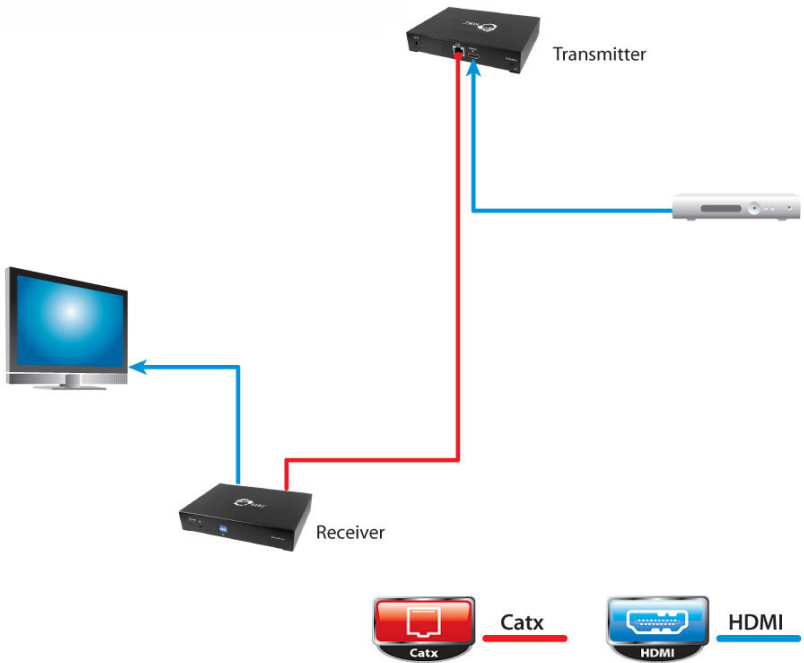


Figure 8

Connect Transmitter and Receiver Indirectly

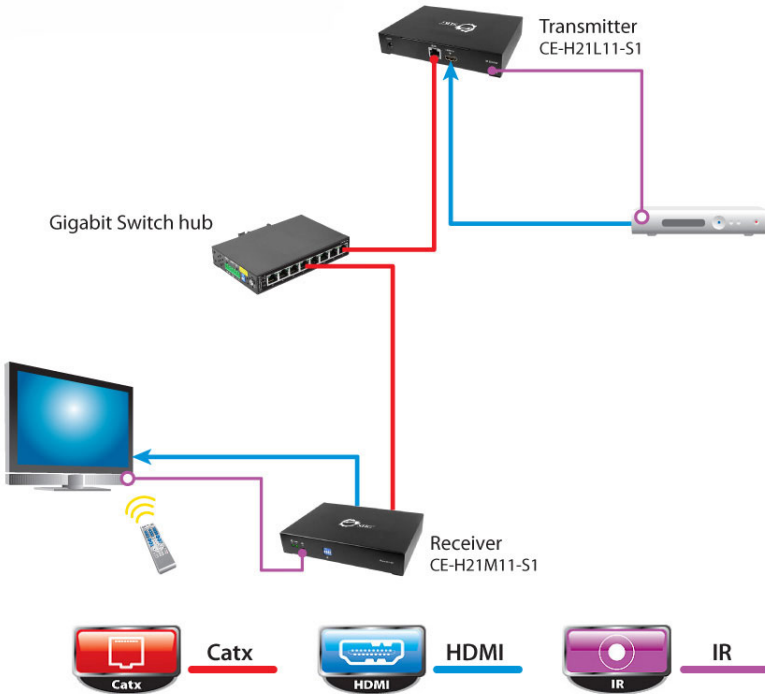


Figure 9

NOTE: The length of Cat5/6 cable between Gigabit switch/hub and Transmitter/Receiver can be up to 100m each.

One Transmitter to multiple Receivers

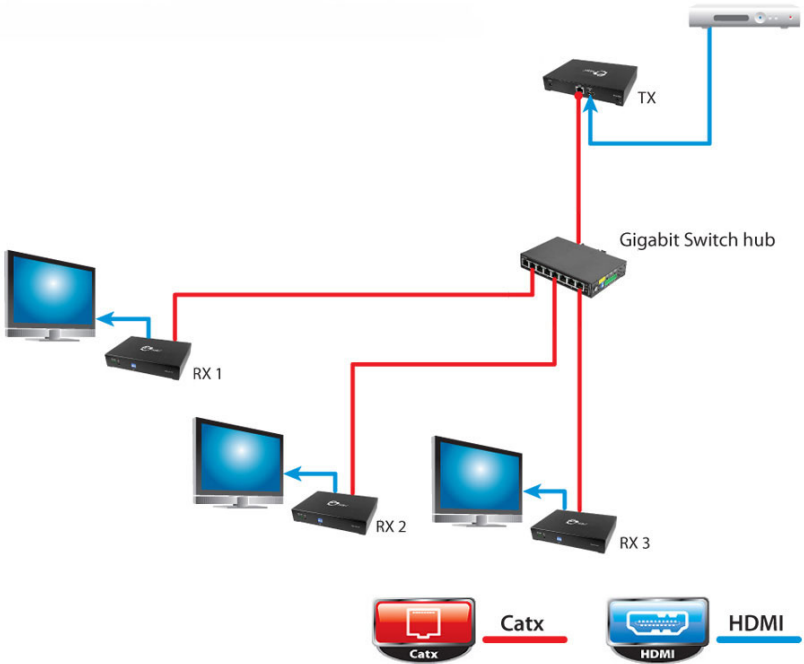


Figure 10

- One Transmitter can connect to up to 200 Receiver units
- The *HDMI Over Gigabit IP Distribution System* only can be used with Gigabit Ethernet switch/hub

Multiple Transmitters to multiple Receivers

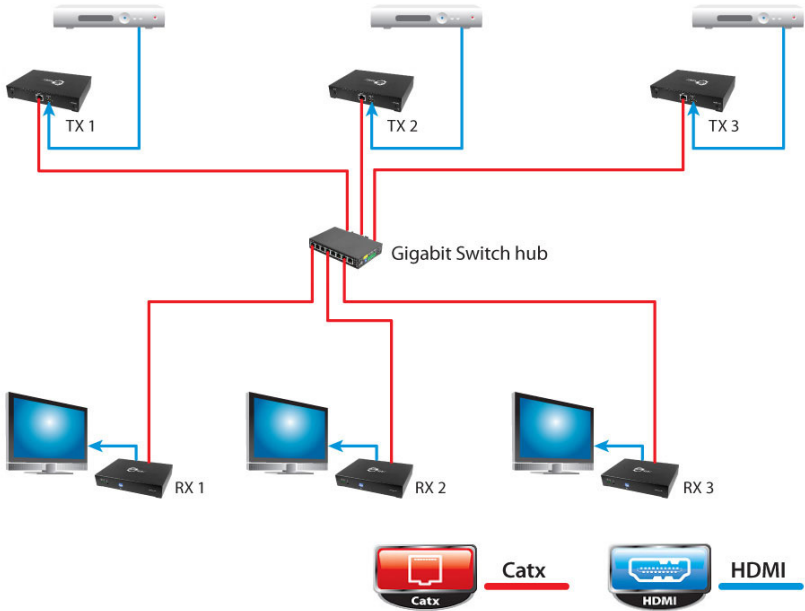


Figure 11

- The DIP switch has 16 combinations, which means up to 16 Transmitters can be connected at the same time
- Adjust the DIP switch on Receiver to be the same as the DIP switch on the desired source channel's Transmitter
- The *HDMI Over Gigabit IP Distribution System* only can be used with Gigabit Ethernet switch/hub

Technical Support and Warranty

QUESTIONS? SIIG's **Online Support** has answers! Simply visit our web site at 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 it.

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

Step 1: Submit your RMA request. Go to 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 software, cable(s) and any other 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.

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. All centered around the distribution and switching of A/V signals over CAT5/6, these products include matrix switches, distribution amplifiers, extenders, converters, splitters, cabling, and more.

SIIG is the premier one-stop source of upgrades and is committed to providing high quality products while keeping economical and competitive prices. High-quality control standards are evident by one of the lowest defective return rates in the industry. Our products offer comprehensive user manuals, user-friendly features, and most products are backed by a lifetime warranty.

SIIG products can be found in many computer retail stores, mail order catalogs, and e-commerce sites in the Americas, as well as through major distributors, system integrators, and VARs.

PRODUCT NAME

HDMI Over Gigabit IP Distribution System

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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