



HDMI over CAT5e Transceiver Quick Installation Guide

Introducing the *HDMI over CAT5e Transceiver*

The *HDMI over CAT5e Transceiver* provides a cost effective solution by which high definition video and high quality audio can be transmitted to multiple locations over long distances using inexpensive CAT5e/6 cables.

Features and Benefits

- HDMI 1.2a compliant
- HDCP compatible
- Allows unlimited cascading
- Regenerates HDMI signal
- Supports distances up to 60m/200ft @ 1080i or 40m/130ft @ 1080p with CAT5e cables
- Support up to 15m/50ft HDMI cables (Input/Output)

Technical Specifications

- Video bandwidth: 1.65 Gbps
- Input: 1x RJ45
- Output: 1x HDMI, 1x RJ45, 1x 3.5mm stereo audio jack
- HDMI connector: 19-pin female

Package Contents

- *HDMI over CAT5e Transceiver* & 4x rubber pads
- Power adapter (5V DC)
- Quick installation guide

Layout

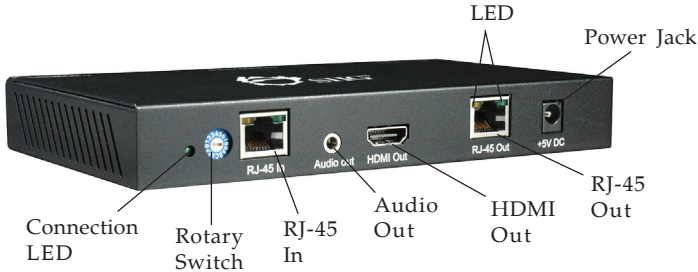


Figure 1: Rear Panel

Rear Panel

- Connection LED: this LED will be lit when proper RJ-45 In is established with another transmitter/transceiver
- Rotary Switch: adjust the 16-level equalization switch according to the transmission distance of the received HDMI signal. For 5.1ch/7.1ch audio output, adjust from 0-to-7 (longest-to-shortest transmission length). For stereo audio output, adjust from 8-to-F (longest-to-shortest transmission length). It is recommended to adjust from 7-to-0 or from F-to-8 to find the optimal visual experience
- RJ-45 In: connect from an upstream transmitter/transceiver using a CAT5e cable
- Audio Out: 3.5mm audio jack, plug in your local stereo speakers here
- HDMI Out: connect a local display here
- RJ-45 Out: link to the next transceiver/receiver (optional) or remote display via RJ45 adapter. The two LEDs will be lit when the *HDMI over CAT5e Transceiver* is powered up
- Power Jack: plug in the 5V power adapter here

Hardware Installation

Please read and follow the safety guidelines to protect yourself from possible injury and to minimize the risk of damage to your equipment.

- Do not attempt to service the unit yourself
 - Provide proper ventilation and air circulation, do not use near water
 - Keep objects that might damage the device a safe distance away, place the unit on a stable surface
 - Use only the power adapter and accessories that came with the unit
 - Do not use liquid or aerosol cleaners to clean the unit. Always unplug the power to the unit before cleaning
1. Turn off all devices, including displays.
 2. Connect a local HDMI display to the **HDMI Out** connector of the *HDMI over CAT5e Transceiver*, then connect a speaker to the **Audio Out** connector.
 3. Connect the next *HDMI over CAT5e Transceiver* to the **RJ-45 Out** by a CAT5e cable (optional).
 4. Plug the included power adapter into the **Power Jack**, then plug the power adapter into a reliable power source.
 5. Power on all devices.

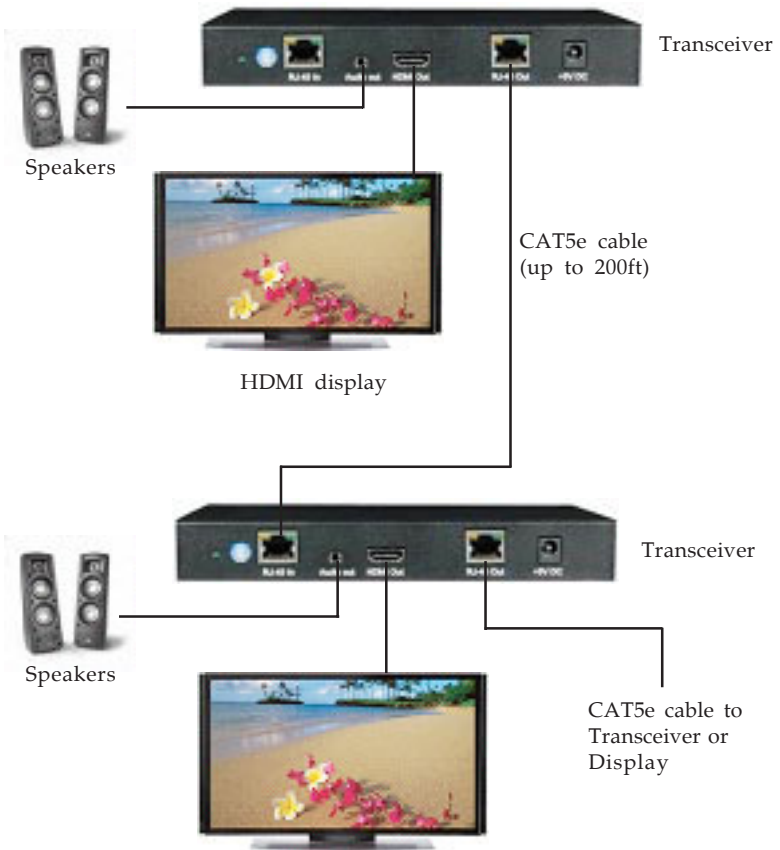
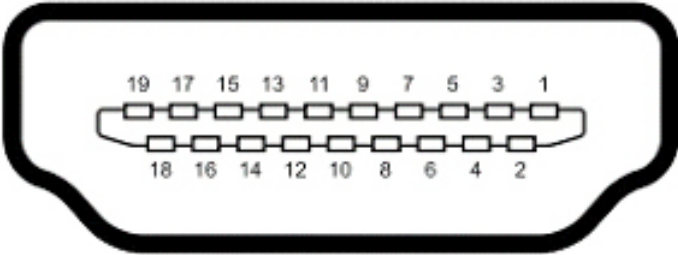


Figure 2: Cascading Transceivers

HDMI Pin Definition



Pin 1	TMDS Data2+	Pin 11	TMDS Clock Shield
Pin 2	TMDS Data2 Shield	Pin 12	TMDS Clock-
Pin 3	TMDS Data2-	Pin 13	CEC
Pin 4	TMDS Data1+	Pin 14	Reserved (N.C. on device)
Pin 5	TMDS Data1 Shield	Pin 15	SCL
Pin 6	TMDS Data1-	Pin 16	SDA
Pin 7	TMDS Data0+	Pin 17	DDC/CEC Ground
Pin 8	TMDS Data0 Shield	Pin 18	+5V Power
Pin 9	TMDS Data0-	Pin 19	Hot Plug Detect
Pin 10	TMDS Clock+		

Table 2: HDMI Pin Definition

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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 analysts will promptly respond.

SIIG offers a 3-year manufacturer warranty with this product. 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 these steps to have the product repaired or replaced.

Step 1: Submit your RMA request.

Go to www.siig.com, click **Support**, then **RMA** to submit a request to [SIIG RMA](#). 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. 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 computer upgrade manufacturer of I/O connectivity products, including PCIe, PCI & ISA serial and parallel ports, USB, Serial ATA & UltraATA controllers, FireWire (1394a/b), networking, sound cards, and other accessories. SIIG is the premier one-stop source of upgrades.

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 CAT5e Transceiver

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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