



HDMI 4K Extender over single cat5e/6 Cable with IR - 60m User Reference Guide

Introduction

The *HDMI 4K Extender over single cat5e/6 Cable with IR - 60m* extends your HDMI A/V signals to a remote display up to 197ft (60m) away through a single Cat5e/6 cable.

Key Features and Benefits

- Delivers crystal clear picture quality up to 30m at 4Kx2K @60Hz, up to 60m at 4Kx2K @30Hz
- Plug-n-play. IR remote control feature allows to remotely control the HDMI source device from the remote display side
- Unique and low profile design easily adapts into the environment, mounting brackets included for different installation requirements
- High quality metal housing with ventilation panels better promote heat dissipation and system stability during long periods of operation
- Built-in power indicator provides easy power status monitoring

Package Contents

- *HDMI 4K Extender over single cat5e/6 Cable with IR - 60m*
- Power adapters (x2)
- IR Blaster extension cable & IR Receiver extension cable
- Mounting ears & screw kit
- User Reference Guide

Specifications

Version	Compatible with HDMI 2.0 and HDCP 2.2
Resolution	2160p / 1080p / 1080i / 720p / 480p
Audio	2-ch PCM stereo audio
Connectors	<u>TX:</u> 1x 19-pin HDMI Type-A, Female 1x 8-pin RJ45 1x 3.5mm IR Blaster <u>RX:</u> 1x 19-pin HDMI Type-A, Female 1x 8-pin RJ45 1x 3.5mm IR Receiver
Transmission Distance	4Kx2K @60Hz: Up to 30m 4Kx2K @30Hz: Up to 60m
Power Adapter	Input: AC 100-240V / 50~60Hz Output: DC 5V / 1A

Layout

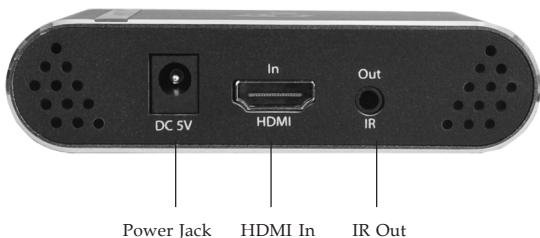


Figure 1: Transmitter (TX) - HDMI Device Input

- **Power Jack:** Connect the included 5V / 1A DC power adapter here
- **HDMI In:** Connect your HDMI source here with an HDMI cable (cable not included)
- **IR Out:** Infrared 3.5mm socket. Plug IR Blaster extension cable here. See instructions on page 7.

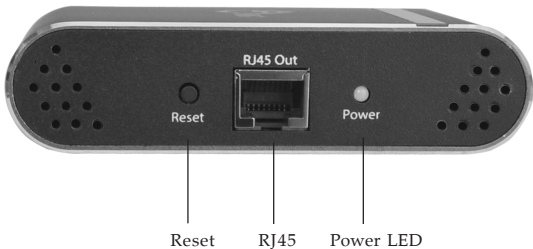


Figure 2: Transmitter (TX) - RJ45 Output

- **Reset:** Press to reset if HDMI Extender doesn't work properly
- **RJ45:** Link to the Receiver's RJ45 via a Cat5e/6 cable
- **Power LED:** On when the Transmitter is powered

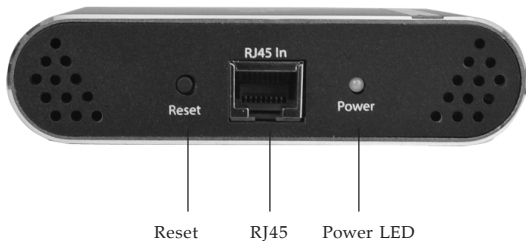


Figure 3: Receiver (RX) - RJ45 Input

- **Reset:** Press to reset if HDMI Extender doesn't work properly
- **RJ45:** Link to the Transmitter's RJ45 via a Cat5e/6 cable
- **Power LED:** On when the Receiver is powered

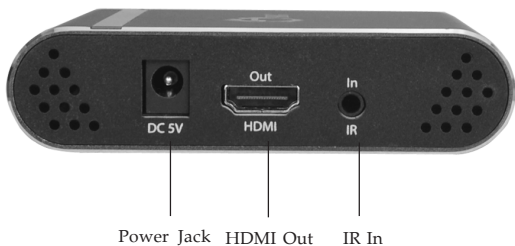


Figure 4: Receiver (RX) - HDMI Display Output

- **Power Jack:** Connect the included 5V/1A DC power adapter here
- **HDMI Out:** Connect to your HDMI display here with an HDMI cable (cable not included)
- **IR In:** Infrared 3.5mm socket. Plug IR Receiver extension cable here. See instructions on page 7.

IR Extenders (20~60kHz IR devices supported)

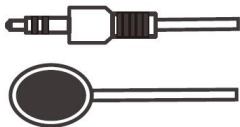


Figure 5: IR Blaster cable
(Connect to Transmitter)

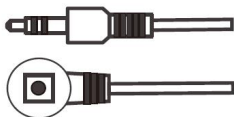


Figure 6: IR Receiver cable
(Connect to Receiver)

- **IR Blaster cable:** Plug into the Transmitter's IR 3.5mm socket to emit IR signals
- **IR Receiver cable:** Plug into the Receiver's IR 3.5mm socket to receive IR signals from a remote control (for the HDMI device connected to the Transmitter)

Important Note: Incorrect placement of IR Receiver and IR Blaster cables may result in cable failures. Please check carefully before plugging in the IR cables to proper IR sockets.

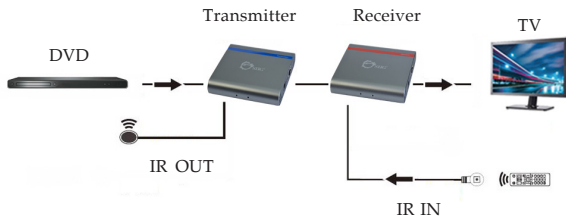
Hardware Installation

Note: To achieve optimal performance, a CAT6 cable is recommended.

1. Power off all devices including your HDMI source and display.
2. Connect your HDMI source to the Transmitter's **HDMI IN** connector with an HDMI cable (not included).
3. Optional: Connect the IR Blaster extension cable to the Transmitter's **IR Out**. Face the eye towards your HDMI device's IR window.
4. Connect your HDMI display to the Receiver's **HDMI OUT** connector with an HDMI cable (not included).
5. Optional: Connect the IR Receiver extension cable to the Receiver's **IR In**.
6. Connect and link the Transmitter and Receiver by a CAT5e/6 cable.
7. Plug the included power adapters into the Transmitter's and Receiver's **Power Jacks**, then plug the power adapters into reliable power outlets.
8. Power on your HDMI device and HDMI display.
9. The HDMI Extender is ready for use.

Application

Extends HDMI signals such as game consoles, DVD players or computers up to 197ft (60m) and supports high resolutions up to 4Kx2K.



* When using the remote control, please make sure its distance to the IR Receiver extension cable is within 5 meters (16.4 ft) and without obstructions.

Figure 7: Application

FAQ & Solutions

Q: There is no picture on the TV:

- A:** 1) Check whether the correct TV input is selected.
2) Make sure the HDMI cables support 4K x2K when the output signal from the source device is 4Kx2K resolution.
3) Make sure the Network cable (CAT5e/6) is firmly connected between TX and RX.
4) Press the "Reset" button on the TX or RX.

Q: There is black screen on the TV:

- A:** 1) Check the length of the Network cable (CAT6) is within below:
- 4K x2K @30Hz: 60m
- 4K x2K @60Hz: 30m
2) Disconnect connections for TX and connect again.

Q: The color is abnormal/ There is no audio output:

- A:** Disconnect connections for TX and connect again.

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 2-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 two (2) years from the date of purchase of the product. This warranty is not transferable and is available only to the original purchaser 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, 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
- Include a copy of your original sales receipt inside the package with date of purchase and place of purchase circled and clearly visible
- 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. 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, VARs and through e-commerce sites.

PRODUCT NAME

HDMI 4K Extender over single cat5e/6 Cable with IR - 60m

**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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