Full HD Multi-Channel Expandable Wireless HDMI Gateway Extender Installation Guide

P/N: CE-H22T11-S1/CE-H22U11-S1

Introduction

The *Full HD Multi-Channel Expandable Wireless HDMI Gateway Extender* connects up to 3 HDMI sources and transmits HDMI A/V signals wirelessly up to 165ft with 1080p resolution.

Features and Benefits

- 10 selectable wireless channels available to prevent signal interference and to provide optimal reception quality

- Integrated HDMI output on the transmitter allows for local monitoring of the extended display

- Built-it switch button and the included palm size remote control allows you to select the HDMI source easily

- Built-in LED indicators provide instant recognition for the connecting status

- Included IR extension modules allow remote controlling of the HDMI source device from the display unit

- Aluminum construction provides overall durability and reliability

- Wall mountable, extraordinary cube-style design creates a sleek and stylish presence to further accommodate with A/V equipment

Package Contents

- *Full HD Multi-Channel Expandable Wireless HDMI Gateway Extender*
- IR blaster extension cable
- IR receiver extension cable
- Power adapters (x2)
- Remote control (with one battery)
- Installation Guide

Specifications

Wireless Technology	5 GHz
Signal Type	HDMI
HDMI Version	HDMI 1.3 compatible
HDCP Version	HDCP 1.2 compatible
Transmission Distance	Up to 50m (165ft)
Supported Resolutions	1080p/1080i/720p/576p/576i/480p/480i
HDMI Cable Distance	Up to 5m (Input & Output)
Audio Format	R/L stereo audio (2-ch)
Power	<u>Input:</u> AC 100-240V, 50/60Hz <u>Output:</u> DC 5V/2A
Color	Black and deep grey
Dimensions (TX & RX)	4.25" (W) x 2.36" (H) x 3.94" (D)
Weight	0.57lbs (TX) / 0.48lbs(RX)
Operating Temperature	32 to 122 degrees F
Storage Temperature	14 to 140 degrees F
Operating Humidity	0% ~ 90% RH (non-condensing)

Note: The transmission distance will vary depending on building layout, electronic interference, other environmental conditions, and may be much less than the maximum.
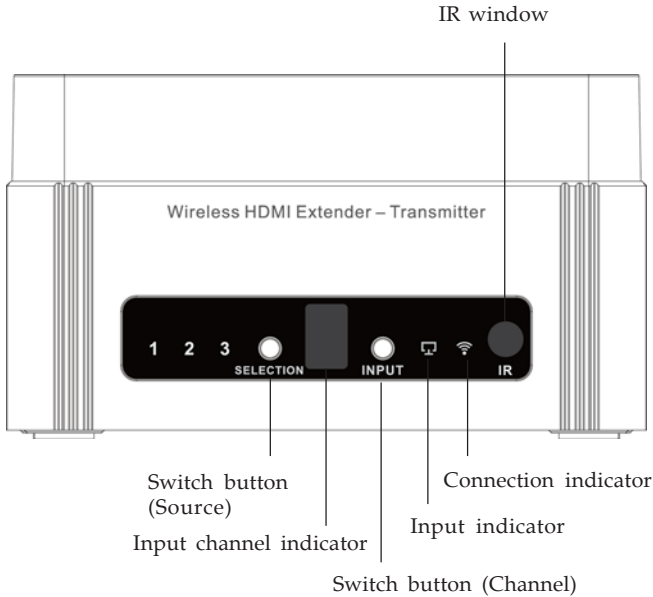
Product Layout

Figure 1: Transmitter (TX) - front side

- **Switch button (Source):** Press to switch between HDMI sources (HDMI sources 1, 2 or 3)
- **Input channel indicator:** Indicates the input channel selected. There are 10 channels (0-9)
- **Switch button (Channel):** Press to select the channel
- **Input indicator:** On when the HDMI signal is linked properly
- **Connection indicator:**
    - On: The Transmitter is powered on
    - Blinking: The wireless connection is established
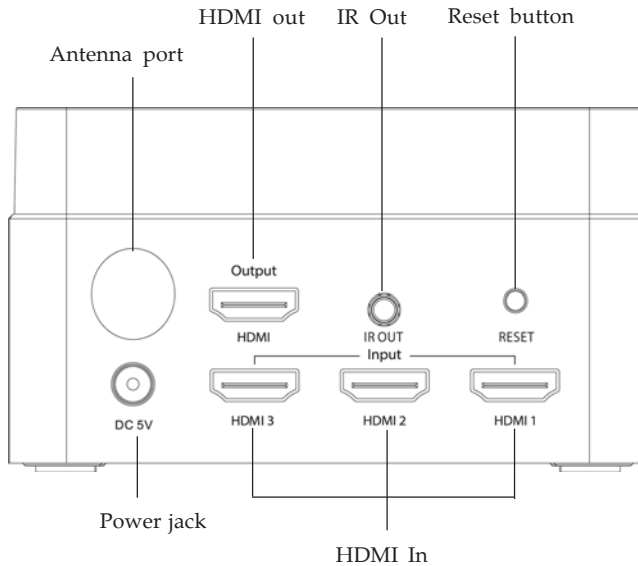- **IR window:** Receives infrared signals from the included remote control

Figure 2: Transmitter (TX) - rear side

- **Antenna port:** Attach the included Antenna here
- **HDMI Output (optional):** Connects to an HDMI display for local monitoring of the extended HDMI display
- **IR out:** Plug the IR Blaster extension cable here
- **Reset button:** Press when the unit doesn't work properly
- **Power jack:** Connects to the included power adapter
- **HDMI In:** Connect to your HDMI sources with HDMI cables (cables not included)
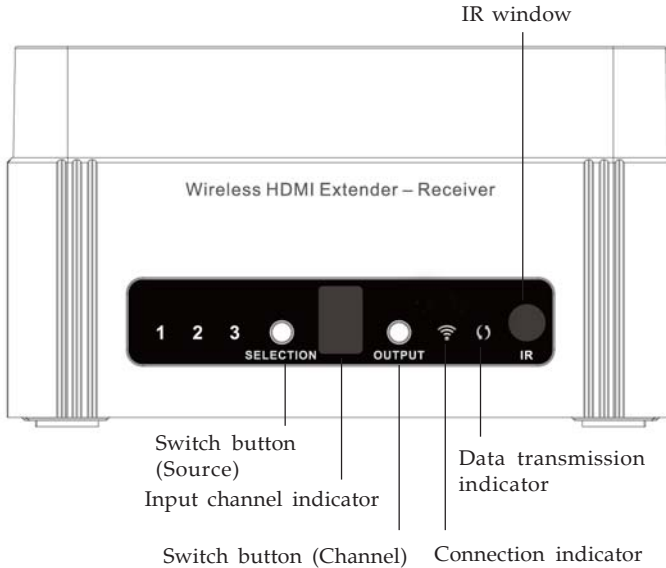
Figure 3: Receiver (RX) - front side

- **Switch button (Source):** Press to switch between HDMI sources (HDMI sources 1, 2 or 3)
- **Input channel indicator:** Indicates the input channel selected. There are 10 channels (0-9)
- **Switch button (Channel):** Press to select the channel
- **Connection indicator:**
  - On: The receiver is powered on
  - Blinking: The wireless connection is established
- **Data transmission indicator:** On when the HDMI signal is linked properly
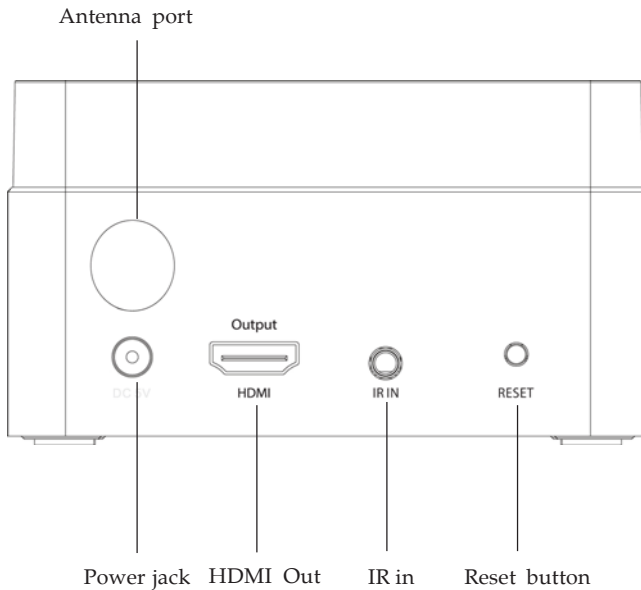- **IR window:** Receives infrared signals from the remote control

Figure 4: Receiver (RX) - rear side

- **Antenna port:** Attach the included Antenna here
- **Power jack:** Connects to the included power adapter
- **HDMI Out:** Connects to your HDMI display with a HDMI cable (cable not included)
- **IR in:** Plug the IR Receiver extension cable here
- **Reset button:** Press when the unit doesn't work properly

IR Remote Control

Figure 5: IR Remote Control

- **Previous (CH-):** Select the previous input source
- **Next (CH+):** Select the next input source
- **Input Select Button (1-3):** Select input source 1, 2, 3

IR Extension cables (20-60Hz Frequency Range)

The IR Extension feature allows you to control your HDMI source device from a remote location.

Figure 6: IR blaster extension cable (IR OUT)

Figure 7: IR receiver extension cable (IR IN)

- **IR blaster extension cable (IR OUT):** Plugs into the Transmitter's **IR Out** socket. It emits the IR signals received from the **IR receiver extension cable** of the Receiver unit and directs it to the HDMI source's IR receiver window

- **IR receiver extension cable (IR IN):** Plugs into the Receiver's **IR In** socket. It receives IR signals from the HDMI source's remote control and directs it to the **IR blaster extension cable** of the Transmitter unit

> **Note:** Incorrect placement of the IR Blaster and IR Receiver extension cables may result in failure of these cables. Please check carefully before plugging in the IR cables to ensure connecting to the proper IR sockets.

Hardware Installation

1. Power off all devices including your HDMI source and display.

2. Attach the included antennas to the TX and RX.

3. Connect your HDMI sources to the Transmitter's **HDMI IN** connectors.

4. Optional: Connect the **IR Blaster extension cable** to the Transmitter's **IR Out**. Face the eye towards your HDMI device's IR window. This connection is needed only if you need to control your HDMI source from the remote location.

5. Connect your HDMI display to the Receiver's **HDMI OUT** connector with an HDMI cable (not included).

6. Optional: Connect your HDMI display to the Transmitter's **HDMI OUT**. It's only needed when local monitoring of the extended HDMI display is required.

7. Optional: Connect the **IR Receiver extension cable** to the Receiver's **IR In**. This connection is needed only if you need to control your HDMI source from the remote location.

8. Plug the included power adapters into the Transmitter's and Receiver's **Power Jacks**, then plug both power adapters into reliable power outlets.

9. Power on your HDMI devices and HDMI display(s).

10. Use the included remote control or built-in switch button to select the same channel for the TX and RX (for channel pairing).

11. The *device* is ready for use.

Application

The *Full HD Multi-Channel Expandable Wireless HDMI Gateway Extender* enables you to connect up to 3 HDMI sources and easily switch between multiple devices. It extends HDMI signals wirelessly up to 165ft.
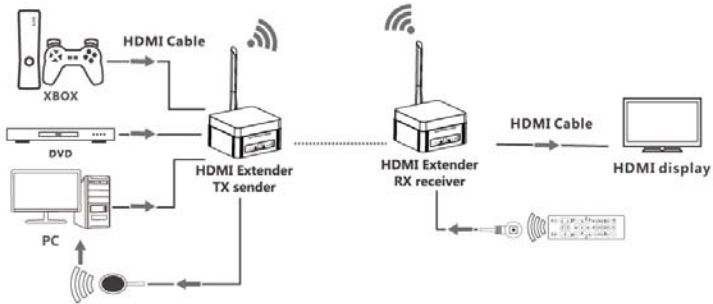
Note: The transmission distance will vary depending on building layout, electronic interference, other environmental conditions, and may be much less than the maximum.

Figure 8

Multicast ability: Broadcasts and independent streams video content to two remotely located displays simultaneously*.
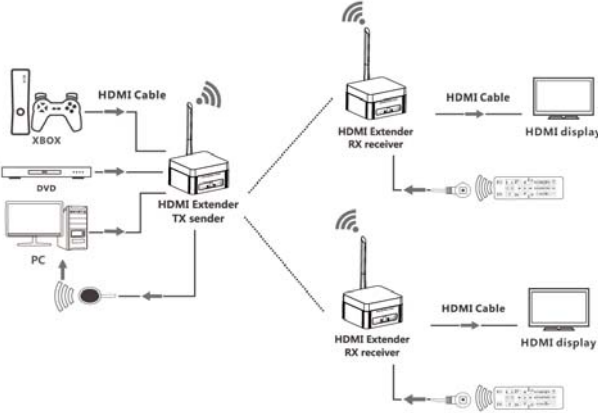
* **Remark:** Extra receiver unit (CE-H22U11-S1) sold separately

Figure 9

Notice

- Wireless signals transmitted through walls, glass, brick or other solid objects will cause signal loss and decrease the transmission distance

- It's recommended that the distance between two receivers not less than 3 meters

- Keep the *unit* in a well ventilated environment to prevent it from overheating

- **DO NOT** expose the *unit* to rain, moisture, or liquids

- **DO NOT** place anything on the *unit*

- **DO NOT** open the housing, doing so will void the warranty and may cause personal injury due to electronic hazard

- **DO NOT** plug-in or take-out the IR extension cables when the *unit* is powered on

FAQ & Solutions

Q: The transmitter can't be connected with the receiver:

A: 1) Check whether the power adapters of Transmitter (TX) and Receiver (RX) are connected.

2) Make sure that the channel of the transmitter and receiver are the same.

Q: The *unit* isn't working properly:

A: 1) Check the HDMI cable lengths are within 5m.

2) Check the transmission distance is within 50m.

3) Press Reset button on the Transmitter/Receiver. Unplug the cables and plug in again.

4) Remove other wireless signals and move any obstacles that are blocking the signal.

5) Decrease the distance between the transmitter unit and the receiver unit.

Q: There is no output on the display:

A: 1) Make sure the HDMI devices are well connected to the Transmitter (TX).

2) Use different HDMI cables.

3) If still not working, connect the HDMI device to the TV directly to see if there's a signal.

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 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 <u>SIIG RMA</u> 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
> - 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. 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 are backed by an extensive manufacturer 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, VARs and e-commerce sites.

PRODUCT NAME

Full HD Multi-Channel Expandable Wireless HDMI Gateway Extender

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

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