

5GHz Wireless HDMI



WiFi-5G

Wireless HDMI System

User Guide

Introduction

Your Wireless HDMI system is a cable-free plug-and-play solution for extending any A/V sources utilizing HDMI, such as satellite boxes, digital video players, and gaming consoles, to remote displays such as High-Definition digital TVs.

Package Contents

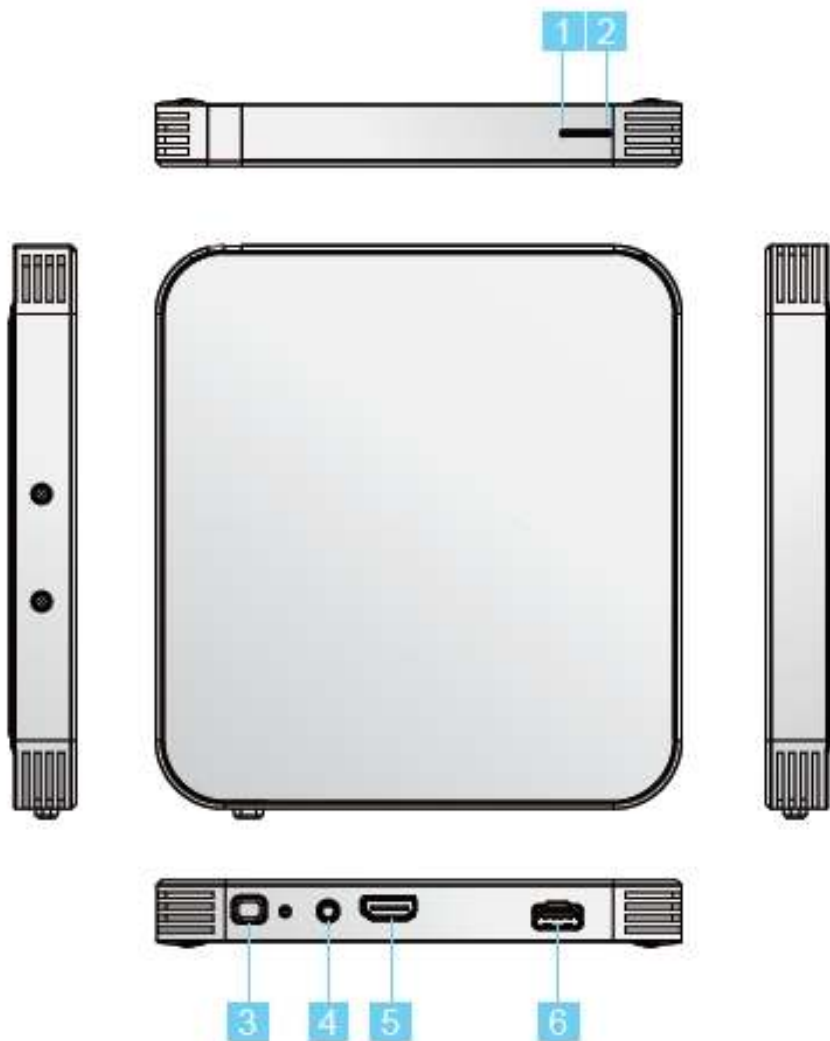
When first unpacking your Wireless HDMI system please check to see if the following items are included:



1	WHDMI Transmitter	5	Power Adapter x 2
2	WHDMI Receiver	6	HDMI Cablex2
3	User guide	7	IR Blaster
4	IR Blaster		

Module View

Transmitter



Module View

Components Summary

1. Status Indicator LED

The status indicator allows you to monitor various system conditions. See the LED Indicators section for more information on the status indicator.

2. Power Indicator LED

The power indicator allows you to monitor the power status of the system. See the LED Indicators section for more information on the power indicator.

3. Power Button

The power switch turns ON and OFF the Wireless HDMI module. Actual behavior of the power switch can be customized in Windows Control Panel.

4. IR Blaster Port

Connect the IR Blaster included with the wireless HDMI system to this port. The IR Blaster enables the wireless HDMI system to control your HDMI devices by sending signals that mimic those of a remote control.

5. HDMI Port

The HDMI port allows you to connect the output device to the transmitter using an HDMI cable. HDMI provides uncompressed all-digital audio/video signal that supports standard, enhanced, or high-definition video and multi-channel audio.

6. Power Connection Port

The power connection port allows you to power the module using the power adapter.

**This port does not support traditional USB functions.*

Module View

Receiver



Module View

Components Summary

1. Infrared Sensor

The infrared communication sensor allows convenient wireless control of the provided receiver using a wireless remote control.

2. Status Indicator LED

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The HDMI port allows you to connect the display device to the receiver using an HDMI cable. HDMI provides uncompressed all-digital audio/video signal that supports standard, enhanced, or high-definition video and multi-channel audio.

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**This port does not support traditional USB functions.*

Module View

Status Indicators

Transmitter



Receiver



Power Indicator (Left LED)

LED	Status
Solid Red	Module Powered ON
No Color	Module Powered OFF

Status Indicator (Right LED)

LED	Status
Solid Blue	Transmitter and receiver link established
No Color	No link established

System Setup

Connection Examples



NOTE: These are example connections only

System Setup

Optimizing System Performance

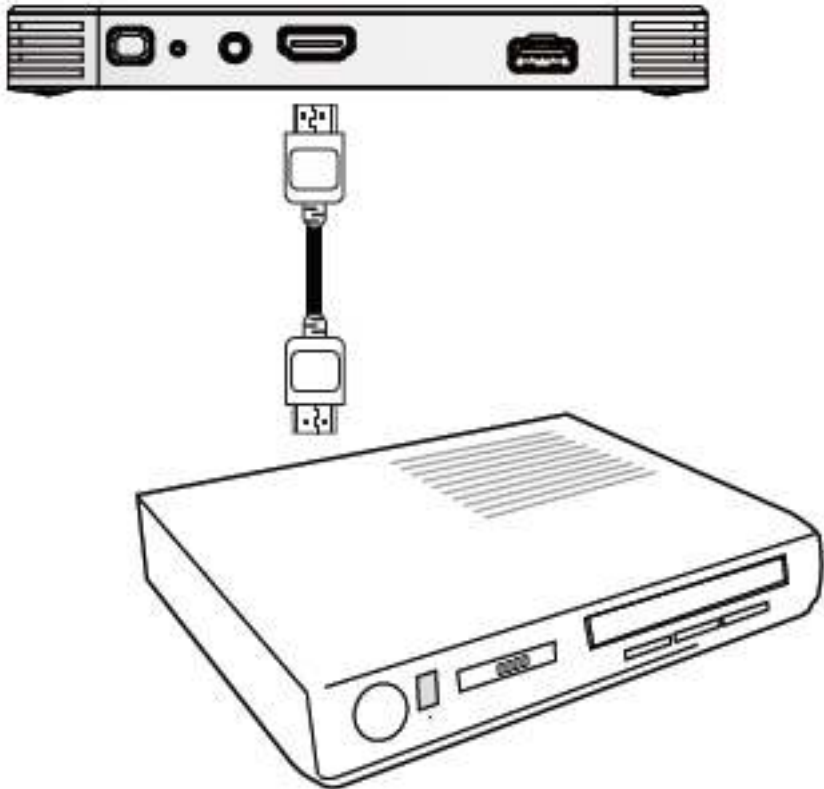
As with all wireless type products, the system's performance can be affected by its environment and any obstruction between the transmitter and receiver. Follow the suggestions below to create an optimal environment for your new Wireless HDMI system. Proper placement of the receiver and transmitter units will ensure a strong connection for superior performance:

Use one system per room, placing the transmitter and receiver units for each system in the same room.

- If you use a 5GHz WLAN or cordless phone, place those in a different room.
- Do not place either unit on a metallic rack.
- Place the transmitter unit as high up as possible.
- Maximum operating distance is approximately 20m or 65 feet with a line of sight path, actual performance may vary depending on the user's environment.
- Be sure to keep at least 30cm or 1 foot minimum distance between the transmitter and receiver units.
- Keep in mind the Wireless HDMI system may be affected by interference from other wireless products and/or signal attenuation (weakening) due to the proximity of certain objects/materials such as walls, floors, doors, and other construction materials that contain metal. Large home appliances may also affect performance such as refrigerators, washers and dryers.

System Connections

HDMI Connection (Transmitter)



NOTE: These are example connections only

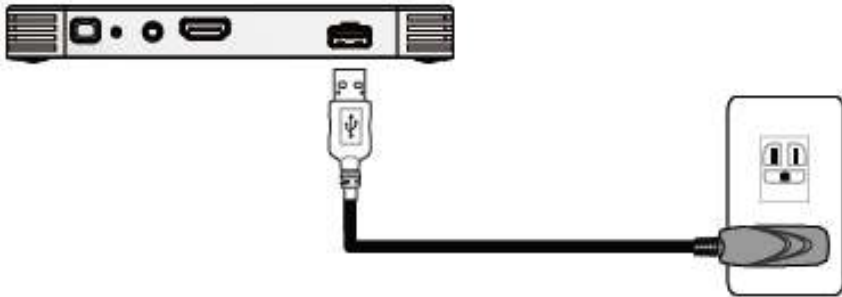
System Connections

Power Connections (Transmitter)

The system allows you to power the module via either an AC power adapter or a USB Power Y-Cable (both provided with your system).

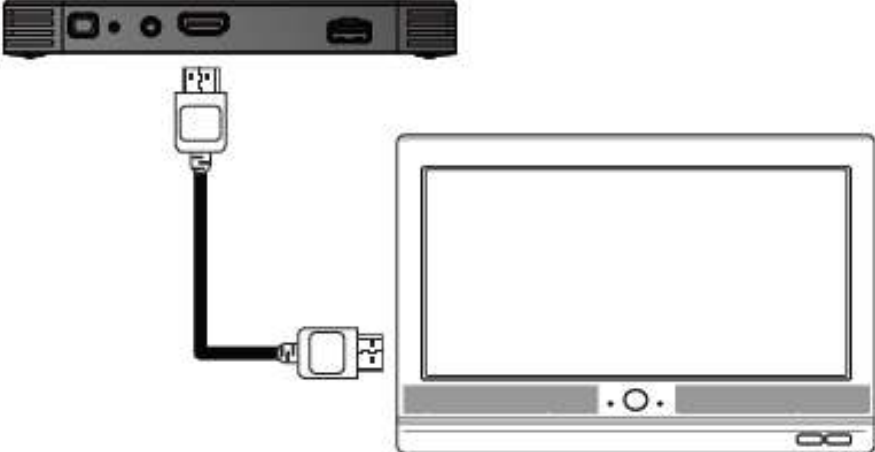
Connecting via the power adapter

Connecting via the power adapter



System Connections

HDMI Connection (Receiver)



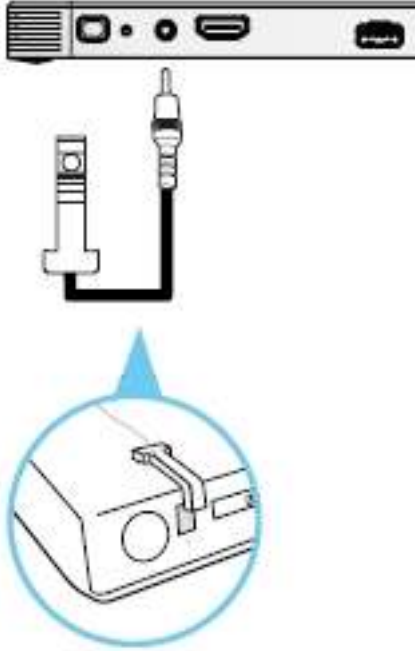
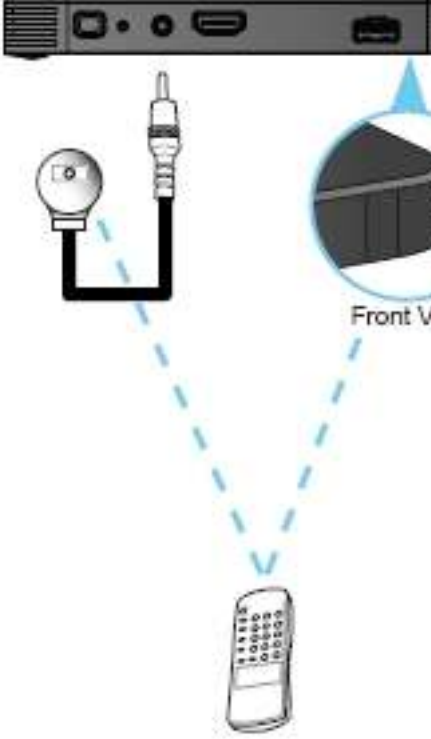
Power Connection (Receiver)



System Connections

IR Blaster Connection	IR Sensor Connectionb
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In home theater settings IR blasters are used to distribute signals to all components that are normally controlled only by remote control. They are essential if the components are placed in different rooms or behind cabinet doors.

Transmitter Side	Receiver Side
 <p><i>When connecting please ensure that you place the IR Blaster in close proximity to the display device and the IR Sensor in an area accessible to the remote control's infrared signal.</i></p>	 <p><i>*The system's receiver features a built-in IR sensor that allows for direct remote control use. You may also connect an external IR sensor either separately or for simultaneous use with the internal IR sensor.</i></p>

Specifications

System Features

- 128bit AES Encryption for secured wireless video transmission
- Motion JPEG compression Technology
- 40 meter LOS transmission system
- 20 - 30ms System Latency
- Supports: IR Blasting / 802.11h DFS / HDMI 1.3 / HDCP 1.1 & 1.2 / CEC

Specifications

Transmitter Specifications

I/O Connectors	1x HDMI Output (19 pins, Type A) 1x 3.5mm Jack (IR Blaster) 1x USB Power Connector
Resolution Support	640x480 @ 85 fps 800x600 @ 85 fps 1024x768 @ 75 fps 1280x1024 @ 30 fps 1600x1200 @ 30 fps 1440x900 @ 30 fps 1680x1050 @ 30 fps 1920x1080 @ 30 fps
IR Blasting Frequency	38Khz
HDMI Version	HDMI 1.3
HDCP Version	HDCP 1.2
DFS	Supports 802.11h DFS
LED	Power ON/OFF Signal Link
Operating Frequency	5.18GHz - 5.825GHz
Antenna	MIMO 2T3R
Power Adapter	AC Input: 100V - 240V (50 - 60Hz) DC output: 5V/2A
Operating Temperature	0 - 40°C

Specifications

Receiver Specifications

I/O Connectors	1x HDMI Output (19 pins, Type A) 1x 3.5mm Jack (IR Receiver) 1x IR Sensor 1x USB Power Connection Port
Resolution Support	640x480 @ 85 fps 800x600 @ 85 fps 1024x768 @ 75 fps 1280x1024 @ 30 fps 1600x1200 @ 30 fps 1440x900 @ 30 fps 1680x1050 @ 30 fps 1920x1080 @ 30 fps
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