

# Wireless HDMI Extender (50m)



## User Manual

VER 1.0

## Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

This Wireless HDMI Extender is based on H.264 standard solution for transmitting one HD source signal to one HD display. It extends distance up to 165ft/50 meters (In an open environment without Wi-Fi interference) between the transmitter and receiver via wireless transmission. It offers high quality configurable and low-bandwidth compression video. Input and output video resolution is up to 1920×1080@60Hz. This wireless extender is designed special to transmit high definition video & audio within one environment.

## 2. Features

- ☆ HDMI 1.3, HDCP 1.4 compliant
- ☆ Support video resolution up to 1920×1080@60Hz
- ☆ Transmit one HDMI HD source signal to one HDMI HD display via wireless technology
- ☆ HDMI wireless transmission distance up to 165ft/50m (In an open environment without Wi-Fi interference)
- ☆ Supported HDMI audio formats: LPCM 2.0CH 32/44.1/48KHz
- ☆ Adopt H.264 high performance codec technology
- ☆ End-to-end latency less than 50ms
- ☆ Compact design for easy and flexible installation

## 3. Package Contents

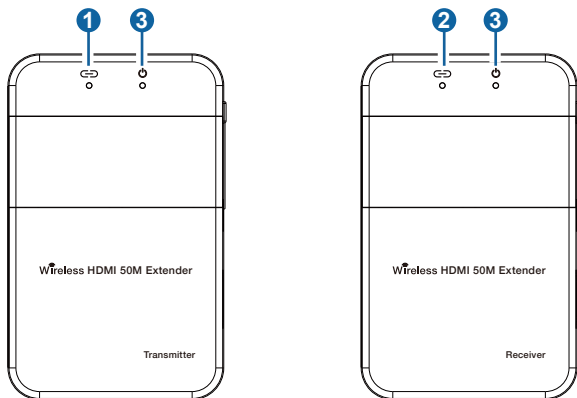
- ① 1 × Wireless HDMI Extender (Transmitter)
- ② 1 × Wireless HDMI Extender (Receiver)
- ③ 2 × Extender Base
- ④ 2 × USB Cable (USB-A to Micro-USB, 1m)
- ⑤ 1 × User Manual

## 4. Specifications

Technical	
HDMI Compliance	HDMI 1.3
HDCP Compliance	HDCP 1.4
Video Bandwidth	6.75Gbps
Frequency Band	5G WIFI
Video Resolution	Up to 1920×1080@60Hz
Color Depth	Input: 8/10/12-bit; Output: 8-bit
Color Space	RGB 4:4:4, YCbCr 4:4:4, YUV 4:4:4, YCbCr 4:2:2
HDR	HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio Formats	LPCM 2.0CH,32/44.1/48KHz
Transmission Distance	50m (In an open environment without Wi-Fi interference)
Connection	
Transmitter	1 × HDMI IN [Type A, 19-pin female] 1 × POWER [Micro USB, Update port]
Receiver	1 × HDMI OUT [Type A, 19-pin female] 1 × POWER [Micro USB, Update port]
Mechanical	
Housing	Plastic Enclosure
Silkscreen Color	Black
Dimensions	Transmitter/Receiver: 90mm (W) × 57mm (D) × 17mm (H)
Weight	Transmitter: 128g; Receiver: 127g
Power Supply	DC 5V/2A
Power Consumption	Transmitter: 1.1W (Max); Receiver: 1.95W (Max)
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20~90% RH (non-condensing)

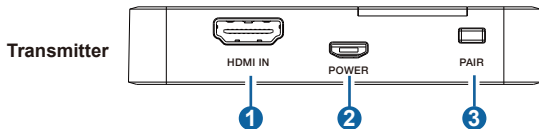
## 5. Operation Controls and Functions

### 5.1 Front Panel

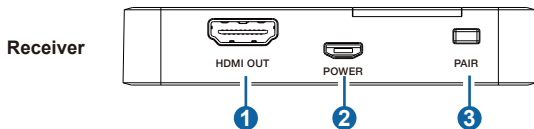


No.	Name	Function Description
1	Transmitter Link LED (Green)	<ul style="list-style-type: none"><li>Light on: Transmitter and Receiver are in good connection status.</li><li>Light flashes slowly: Transmitter and Receiver are establishing connection.</li></ul>
2	Receiver Link LED (Green)	<ul style="list-style-type: none"><li>Light flashes rapidly: Transmitter and Receiver are in good connection status and there is video signal transmission.</li><li>Light flashes slowly and rapidly alternately: Transmitter and Receiver are in good connection status but there is no video signal transmission.</li><li>Light flashes slowly: Transmitter and Receiver are establishing connection.</li></ul>
3	Power LED	Red LED indicates that the Transmitter/Receiver is powered on.

## 5.2 Side Panel



No.	Name	Function Description
1	HDMI IN	HDMI signal input port, connected to signal source device.
2	POWER	<ul style="list-style-type: none"><li>DC 5V/2A power input port.</li><li>Firmware update port.</li></ul>
3	PAIR	Press this button to pair with Receiver.



No.	Name	Function Description
1	HDMI OUT	HDMI signal output port, connected to HDMI display device such as HDTV or Projector with HDMI cable.
2	POWER	<ul style="list-style-type: none"><li>DC 5V/2A power input port.</li><li>Firmware update port.</li></ul>
3	PAIR	Press this button to pair with Transmitter.

### 5.3 Pairing Instruction

Both LINK LEDs of Transmitter and Receiver will flash slowly after powering on the Transmitter and Receiver for the first time or firmware update.

Follow below steps to pair the Transmitter and Receiver.

**Step 1:** Connect the Receiver to display device such as a TV, the TV will show blue background picture.

**Step 2:** Press and hold PAIR button of the Receiver for 5 seconds until a reminder shows on the display device, release the button, the LINK LED of the Receiver flashes slowly.

**Step 3:** Press and hold PAIR button of the Transmitter for 5 seconds, the Transmitter starts to search for a pairing Receiver, the LINK LED of the Transmitter flashes slowly.

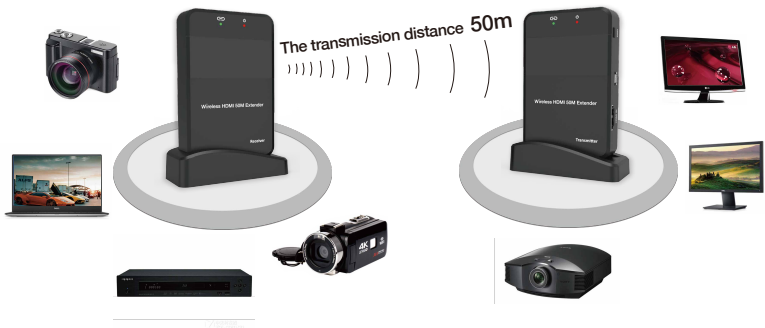
**Step 4:** After successful pairing, the LINK LED of Transmitter will light on and the LINK LED of the Receiver will flash slowly and rapidly alternately.

**Note:** Only need to pair Transmitter and Receiver by hand for first use, they will be in pair automatically next time when they are powered on.

The specific instructions are shown in the following table.

Transmitter's LINK LED status(Green)	Receiver's LINK LED status(Green)	Description
Flash slowly	Flash slowly	Transmitter and Receiver are not paired or connected.
Always on	Flash rapidly	Transmitter and Receiver are paired successfully, and there is video signal transmission.
Always on	Flash slowly and rapidly alternately	Transmitter and Receiver are paired successfully, and there is no video signal transmission.

## 6. Application Example



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HIGH DEFINITION MULTIMEDIA INTERFACE

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