

备注

H24067 (ORE01) 说明书: 0106020140193

材质: 100克书纸

尺寸: 111x146mm

装订方式: 骑马钉



**4K@60Hz Wireless HDMI™
Extender (Loop, IR) - 165ft**

USER MANUAL

WUHD-150-K

*Follow us on Youtube
and Facebook*



www.orei.com

Table of Contents

Introduction	04
Features	05
Package Contents	05
Specifications	06
Operation Controls and Functions	08
Application Example	10

Thank you for purchasing this product

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

Surge protection device recommended

This product contains sensitive 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.

Registration page

Please Activate your warranty by registering your product through the link below - **www.orei.com/register**

Technical Support

Need Help?

Our experienced Technical Support Team is here for you to answer your questions, give technical advice or help troubleshoot your project to get you installed on time and on budget. Call, email or chat with us now.

OREI Live Technical Support Hours

US team (US/Canada/Mexico): Monday-Friday, 9 a.m. - 5 p.m. Central Time

Support Email - info@orei.com | **Support Number** - 877-290-5530

Introduction

The WUHD-150-K Wireless HDMI Extender can extend an HDMI signal up to 165 feet(50m) with 4K@60Hz resolution. The device uses ipcolor STREAM Technology to deliver high-definition, low-latency video transmission. 5G wireless frequency bands provide a number of advantages over traditional 2.4GHz and 5GHz bands, including stability, speed, security, and anti-interference. The device features an HDMI loop output on the Transmitter to connect a display near the source. It's an ideal wireless video transmission solution for video conferences, home entertainment, multimedia education, etc.



Features & Package Contents

1. HDMI 2.0 & HDCP2.2 Compliant
2. Video resolutions up to 4K@60Hz
3. Wireless transmission up to 50M/165Ft line of sight
4. HDMI Loop out at the Transmitter to connect a display near the source
5. SSID Pairing and Channel Switching to avoid interference with other nearby devices.
6. One-way IR Control from Receiver to Transmitter.
7. 5G wireless frequency bands for strong anti-interference.
8. Plug & Play setup, no drivers or software required.

Package Contents

1.	WUHD-150-K Transmitter	1 pcs
2.	WUHD-150-K Receiver	1 pcs
3.	IR Blaster Cable	1 pcs
4.	IR Receiver Cable	1 pcs
5.	Antenna	4 pcs
6.	Mounting Ear	4 pcs
7.	Screw	10 pcs
8.	Grounding Screw	2 pcs
9.	Power Adapter	2 pcs
10.	User Manual	1 pcs

Specifications

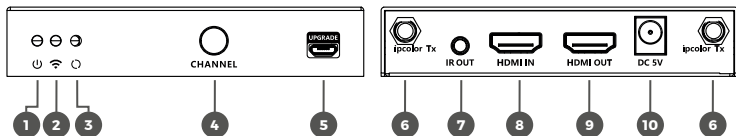
Technical	
HDMI Compliance	HDMI 2.0
HDCP Compliance	HDCP 1.4/HDCP 2.2
Video Bandwidth	18Gbps
Video Resolution	4096x2160@24/30/50/60Hz, 3840x2160@24/30/50/60Hz, 1080P@50/60Hz, 720P@50/60Hz, 1920x1200, 2560x1440
Color Depth	8/10/12 Bit
Color Space	YUV 4:4:4, YUV 4:2:2 & RGB
Audio Formats	PCM
Transmission Distance	≤ 50m
Connection Type	One-to-one
Wi-Fi Frequency bands	5.18-5.24 GHz
Latency	4K@60Hz: 130-220ms 1080P@60Hz: 70-120ms For reference only, delays may vary depending on the resolution, transmission distance, and connection capacity
ESD Protection	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2

Specifications

Connections	
Transmitter:	Input: 1 x HDMI [Type A, 19-pin female] 1 x DC 5V [For Power] Output: 1 x HDMI [Type A, 19-pin female] Control: 1 x IR OUT [3.5mm Jack] 1 x Micro-USB [For Upgrade]
Receiver:	Input: 1 x DC 5V [For Power] Output: 1 x HDMI [Type A, 19-pin female] Control: 1 x IR IN [3.5mm Jack] 1 x Micro-USB [For Upgrade]
Mechanical	
Housing	Iron
Color	Black
Dimensions	Transmitter & Receiver: L: 106mm / 4.17in W: 103mm / 4.05in H: 20.6mm / 0.81in
Weight	Transmitter: 305g / 10.75oz Receiver: 302g / 10.65oz
Power Supply	Input: AC 100-240V 50/60Hz, Output: DC 5V/2A (US/EU standards, CE/FCC/UL certified)
Power Consumption	TX ≤ 5W, RX ≤ 4W
Operating Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Storage Temperature	-30~70°C / -22°F ~ 158°F
Relative Humidity	0-90% RH (non-condensing)

Operation controls and functions

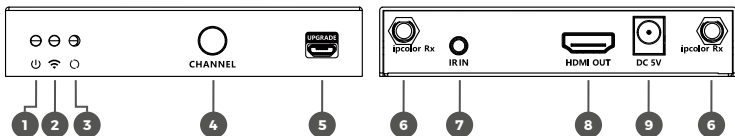
Transmitter (TX)



No.	Name	Function
1	Power Indicator	The indicator will light up blue when active power is received
2	Wi-Fi Indicator	a) Slow flash: Waiting for connection b) Steady: Connection successful c) Quick flash: SSID Pairing mode
3	Signal Indicator	a) Light off: No HDMI signal b) Steady: HDMI signal transmitting normally c) Quick flash: Restore factory settings
4	Channel Switch Button	a) Press to switch channels b) Press and hold for 5s for SSID pairing c) Press and hold for 10s to restore to factory settings
5	Micro-USB port	Used for firmware upgrade
6	Antenna Connectors	Connect the included antennas
7	IR Out	Connect the included IR Blaster cable
8	HDMI Input	Connect a media source device such as a Blu-ray player, set-top box, etc.
9	HDMI Output	Connect a display device such as a monitor, TV, etc.
10	Power Input	Connect the included power adapter

Operation controls and functions

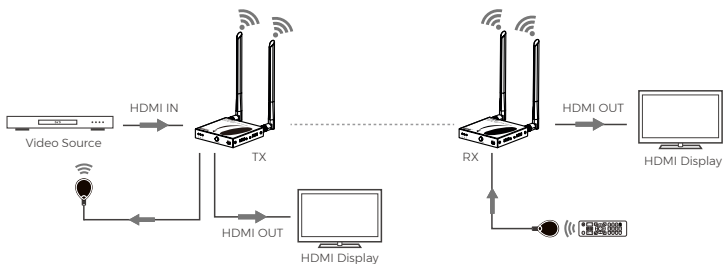
Receiver (RX)



No.	Name	Function
1	Power Indicator	The indicator will light up blue when active power is received
2	Wi-Fi Indicator	a) Slow flash: Waiting for connection b) Steady: Connection successful c) Quick flash: SSID Pairing mode
3	Signal Indicator	a) Light off: No HDMI signal b) Steady: HDMI signal transmitting normally c) Quick flash: Restore factory settings
4	Channel Switch Button	a) After connecting with the Transmitter, press to switch channels b) Press and hold for 5s for SSID pairing c) Press and hold for 10s to restore to factory settings
5	Micro-USB port	Used for firmware upgrade
6	Antenna Connectors	Connect the included antennas
7	IR in	Connect the included IR Receiver cable
8	HDMI Output	Connect a display device such as a monitor, TV, etc.
9	Power Input	Connect the included power adapter

Application Example

One to one connection



Application Example

Connection Instructions

1. Connect the source device to the HDMI IN port on the Transmitter and connect your local display to the HDMI OUT port.
2. Connect the IR Blaster cable to the IR OUT port on the Transmitter and place the blaster near the IR window on the source device.
3. Connect a display at the secondary location to the HDMI OUT on the Receiver and the IR Receiver cable to the IR IN port.
4. Plug in the included power adapters on both ends to start the devices.
5. SSID Pairing
 - A. Enter the SSID pairing mode by holding the Transmitter and Receiver's Channel switch buttons for five seconds. Both Wi-Fi connection indicators will flash quickly in yellow.
 - B. When the SSID pairing is successful, the Wi-Fi indicators on the transmitter and receiver will change from quick flashing to slow flashing or steady.

NO.	Frequency
Channel 1	5.180 GHz
Channel 2	5.200 GHz
Channel 3	5.220 GHz
Channel 4	5.240 GHz



**4K@60Hz Wireless HDMI™
Extender (Loop, IR) - 165ft**

WUHD-150-K

www.orei.com

© 2025