

• Important Safety Notice

Please read below safety instructions carefully before installation and operation:

- 1. Please pay attention to all the warnings and hints on this device.
- 2. Do not expose this unit to rain, moisture and liquid.
- 3. Do not put any stuff into the device.
- 4. Do not reparaire the device or open the enclosure without professional person guidance to avoid electronic shock.
- 5. Make sure good ventilation openings to avoid product overheating damage.
- 6. Shut off power and make sure environment is safe before installation.
- 7. Use DC5V/2A only. Make sure the specification matched if using 3rd party DC adapters.

• Introduction

This HDMI wireless extender includes transmitter unit and receiver unit, allows to transmit and extend HDMI signal up to 30 meters long away wirelessly, it has strong anti-interference ability by running at 5GHz operation frequency, and supports point to point connection. IR passback with 20-60KHz frequency helps to remote control the source device from the receiver side. It is really a very good solution for meeting, conference, home entertainment and multi-media education etc.

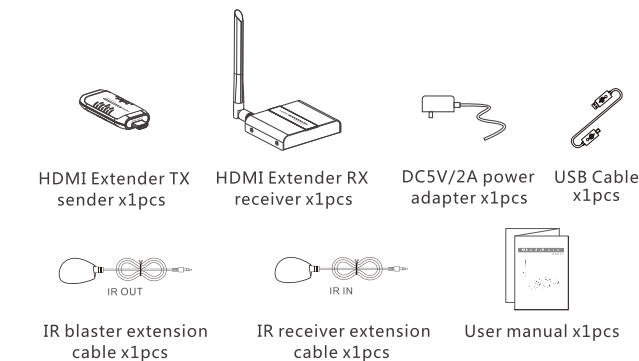
Note:

- 1) Transmission distance will be different due to the environment.
- 2) Wall, brick or glass will shorten the signal cover range or cause big signal loss.

• Features

- 1. Support HDMI1.3, compatible with HDCP1.2.
- 2. Highest resolution up to 1080p full HD.
- 3. Strong anti-interference ability by running at 5GHz operation frequency .
- 4. Support point to point wireless configuration.
- 5. Support IR passback with 20-60KHz frequency.
- 6. 30 meters long range transmission sight distance.
- 7. Plug and play, easy installation.

• Package Contents

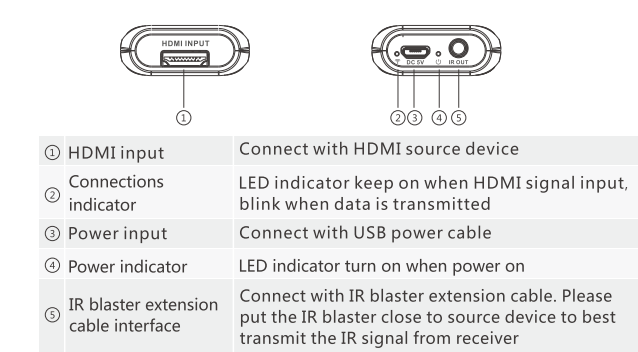


• Installation Requirement

- 1. HDMI source device (DVD, PS3, Set top box, PC etc)
- 2. HDMI display device like SDTV, HDTV, and projector with HDMI port.

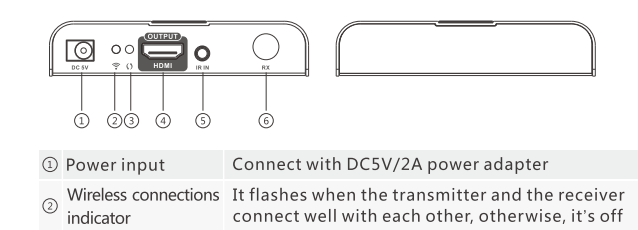
• Panel Description

- 1. HDMI Extender TX sender



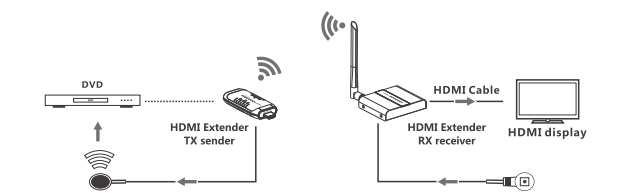
【NOTE】 This device can be powered from the HDMI source device (which with USB port) directly. However, when the transmission/connection is not stable, or the output is not fluent, please connect a 5V plug (with USB port) to the USB cable for power supply.

- 2. HDMI extender RX receiver



|   |                                       |                                                                                                                           |
|---|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| ③ | Data transmission indicator           | Led blinks slowly when it is building connection. Led blinks fast when it is successfully connected and transmitting data |
| ④ | HDMI output                           | Connect with HDMI display device                                                                                          |
| ⑤ | IR receiver extension cable interface | Connect with IR receiver extension cable. Please make sure the remote control is within the required range of IR receiver |
| ⑥ | Antenna                               | Receive wireless signal                                                                                                   |

• Connection



Connection instruction:

- 1) Connect HDMI input to HDMI source device and connect IR blaster extension cable to IR OUT interface of the sender (TX).
- 2) Connect HDMI output to HDMI display device and connect IR receiver extension cable to IR IN interface.
- 3) Power on the device (power led lights) and it works.

Note:

- 1) When the wireless signal transmits through wall, glass or other obstacles, it will cause signal loss. Please install this device in good environment with few obstacles.
- 2) The external environment wireless signal will affect transmission, such as micro waver, wireless mouse and keyboard etc.

• **FAQ**

Q: Transmitter and receiver can't be connected with each other?

- A: 1)Please check if the wireless connection light on product blinks properly.  
2) Restart the transmitter or receiver.  
3) Reconnect the HDMI cable.

Q: The wifi LED indicator of the transmitter is off, but no signal output on display/monitor?

- A: 1) please check if there is an HDMI signal input of sender TX  
2) Try to connect the signal source directly to display device to see if there is signal output from source device or change the signal source, HDMI cables and try again.

Q: Display not fluent and stable

- A: 1) Please move the position of sender (TX) and receiver (RX) and make sure the device is within the signal coverage.  
2) Restart the transmitter or receiver.  
3) Reconnect the HDMI cable.  
4) Remove other wireless signal disturbance and reduce the obstacle on the way.

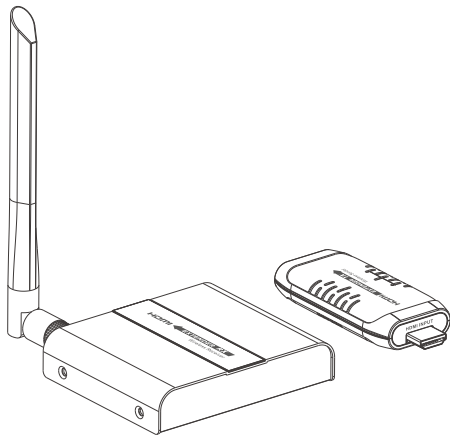
• **Specification**

| Items                          |                           | Specification                                                                          |
|--------------------------------|---------------------------|----------------------------------------------------------------------------------------|
| Power Supply                   | Voltage/Current           | TX:DC5V/1A    RX:DC5V/2A                                                               |
|                                | Power consumption         | TX < 3 W    RX < 5 W                                                                   |
| HDMI Performance And Interface | HDMI compliance           | HDMI1.3                                                                                |
|                                | HDCP compliance           | HDCP1.2                                                                                |
|                                | HDMI resolution supported | 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz |

|                                    |                                               |                                                                           |
|------------------------------------|-----------------------------------------------|---------------------------------------------------------------------------|
| IR performance and interface       | IR remote control                             | Support IR passback with 20-60KHz frequency                               |
| HDMI performance and interface     | Audio formats Supported                       | L/R stereo audio                                                          |
|                                    | Maximum transfer rate                         | 10.2Gbps                                                                  |
|                                    | Input and output TMDS signal                  | 0.7 ~ 1.5Vp-p(TMDS)                                                       |
| Wireless performance and interface | Input and output DDC signal                   | 5Vp-p(TTL)                                                                |
|                                    | Transmission method                           | 5G Wireless transmission                                                  |
|                                    | Transmission distance                         | 30 Meters sight distance                                                  |
| Protection level                   | Latency                                       | ≤200 ms                                                                   |
|                                    | Electrostatic protection of the whole machine | 1a Contact discharge level 3                                              |
|                                    |                                               | 1b Air discharge level 3                                                  |
| Operating Environment              | Standard: IEC61000-4-2                        |                                                                           |
|                                    | Working temperature                           | 0 ~ 40°C                                                                  |
|                                    | Storage temperature                           | -20 ~ 70°C                                                                |
| Body properties                    | Humidity (no condensation)                    | 0 ~ 90%                                                                   |
|                                    | Dimension                                     | TX: 88.90(W) x 38.99(D) x15.17(H)mm<br>RX: 131.65(W) x 95(D) x 19.90(H)mm |
|                                    | Material                                      | TX: Plastic<br>RX: Iron alloy material + crystal panel                    |
|                                    | Finishing                                     | Grit blast                                                                |
|                                    | Color                                         | Black                                                                     |
|                                    | Weight                                        | TX : 30g ,    RX : 220g                                                   |
| Reliability                        | Mean time between failures (MTBF)             | > 30000 Hours                                                             |

**HDMI Wireless Extender**

**User manual**



**Disclaimer**

The product name and brand name may be registered trademark of related manufacturers. TM and ® may be omitted on the user manual. The pictures on the user manual are just for reference, and there may be some slight difference with the real products. We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.