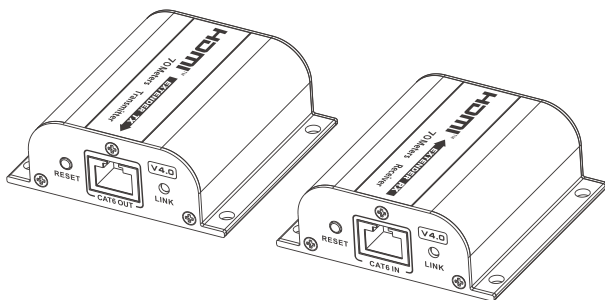


HDMI EXTENDER



• Important Safety Notice

1. Please distinguish the transmitter and receiver before installation.
2. Do not disassemble the machine to repair the product during the working process to avoid electric shock.
3. Please cut off the power before installation. Live installation may damage the equipment.
4. Do not expose the devices to rain, moisture and liquid.
5. Use a 5V/500mA DC adapter only. Make sure the specification matched if using 3rd party DC adapters.

• Introduction

This HDMI Extender includes a transmitter unit and a receiver unit, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports IR pass-back. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

• Features

1. Zero latency.
2. Support up to 1080p@60Hz resolution.
3. Supports Cat6/6A/7 network cables, the transmission distance is up to 70 meters.
4. Support IR pass-back function (20 ~ 60KHz).
5. Support 1080p HDR10 (YUV4:4:4).
6. Support EDID passthrough.
7. Audio formats supported: PCM, LPCM, DTS HD, DTS Audio
8. Automatically adjusts parameters to match different network cables and achieve the best display performance.
9. Lightning Protection, Surge Protection, ESD Protection.

• Package Contents



Transmitter unit x1pc



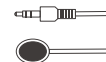
Receiver unit x1pc



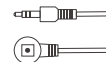
DC5V/500mA x2pcs



User manual x1pc



IR blaster extension cable x1pc



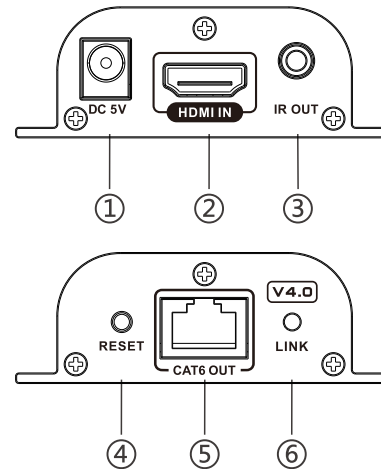
IR receiver extension cable x1pc

• Installation Requirements

1. HDMI source device (compute graphics card, DVD, PS4, HD monitoring equipment etc.)
2. HDMI display device like SDTV, HDTV, projector with HDMI port.
3. UTP/STP CAT6/6A/7 cable, follow standard IEEE-568B, it is recommended to select a network cable with less loss and crosstalk.

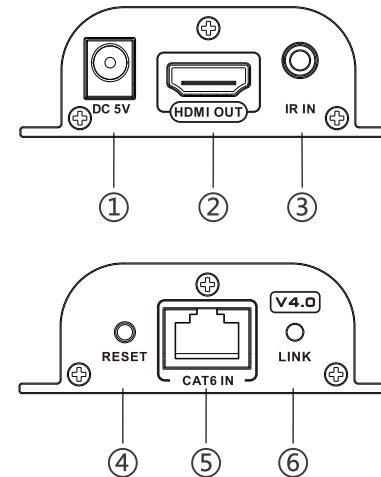
• Interfaces

1. Transmitter (TX)



| | |
|----------------------|---|
| ① DC 5V input | Connect to the 5V/500mA DC power adapter. |
| ② HDMI input | Connect to a HDMI source device. |
| ③ IR Out | Connect the IR blaster extension cable, please keep the infrared transmitter as close as possible to the signal source device when using. |
| ④ Reset button | Press the button to restart the device. |
| ⑤ Rj45 signal output | Output modulated HDMI signal. |
| ⑥ Signal Indicator | No HDMI signal is transmitted, the indicator flashes. HDMI signal is transmitted, the indicator stays on. |

2. Receiver (RX)



| | |
|----------------------|--|
| ① DC 5V input | Connect to the 5V/500mA DC power adapter. |
| ② HDMI OUpout | Connect to a HDMI display device. |
| ③ IR In | Connect the IR receiver extension cable to ensure that the remote control used is within the range of the IR receiving device. |
| ④ Reset button | Press the button to restart the device. |
| ⑤ Rj45 signal output | Input modulated HDMI signal. |
| ⑥ Signal Indicator | No HDMI signal is transmitted, the indicator flashes. HDMI signal is transmitted, the indicator stays on. |

• Installation Procedures

1. The network cable should follow the standard of IEEE-568B. It is recommended to select a network cable with less loss and crosstalk.

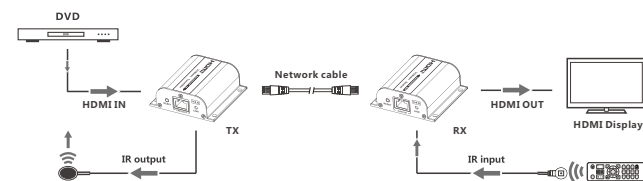
1-Orange/white 2-Orange 3-Green/white

4-Blue 5-Blue/white 6-Green

7-Brown/white 8-Brown



2. Connection



3. Connection instruction

- 1) Connect the HDMI port of the source device to the HDMI IN port of the transmitter via an HDMI cable.
- 2) Connect the CAT6 OUT port of the transmitter and the CAT6 IN port of the receiver via a network cable.
- 3) Connect the HDMI port of the display device to the HDMI OUT port of the receiver via an HDMI cable.
- 4) Connect the IR blaster extension cable to the IR OUT port of the transmitter, connect the IR receiver extension cable to the IR IN port of the receiver.
- 5) Plug the power into the devices to get started.

• FAQ

Q : Why there is no image/image or sound is not played smoothly?

A : Press the “RESET” button of the receiver to restart the device.

Reconnect the devices with a shorter network cable

Q : Why does the signal indicator “LINK” always flashes?

A : 1) Check whether the network cable is uses IEEE-568B wiring

standards.

2) Check whether the source device and the transmitter are connected well.

3) Reset the transmitter or receiver and connect it again.

Q : Why does the receiver ‘s signal indicator “ LINK” stays on but

there is no image output?

A : 1) Press the “RESET” button of the receiver to restart the device.

2) Check whether the display device and the receiver are connected well.

3) Reconnect the network cable or re-power the receiver.

• Specification

| | Items | Specification |
|--------------------------------|---|--|
| Power Supply | Voltage/Current | DC5V/500mA |
| | Power consumption | TX<1.5W ; RX<1.5W |
| HDMI Performance And Interface | HDMI compliance | HDMI 1.3 |
| | HDCP compliance | HDCP 1.4 |
| | HDMI resolution | 800x600、1024x768、1280x720、1280x960、1366x768、1440x900、1680x1050、1920x1080、480i@60Hz、480p@60Hz、576i@50Hz、576p@50Hz、720p@50/60Hz、1080i@50/60Hz、1080p@24/25/30/50/60Hz |
| | Audio formats | DTS、DTS-HD、PCM、LPCM |
| | HDR | Support |
| | EDID through | Support |
| | IR Pass-back | Frequency Range : 20~60KHz |
| | Input and output TMDS signal | 0.7~1.2Vp-p(TMDS) |
| Input and output DDC signal | 5Vp-p(TTL) | |
| Transmission Distance | Cat6/6A/7 | ≤70 Meters |
| Protection Level | Electrostatic protection of the whole machine | Implementation of the standard: IEC61000-4-2 1a Contact discharge level 4 (8KV) 1b Air discharge level 4 (15KV) |
| Operating Environment | Working temperature | -20~60°C |
| | Storage temperature | -30~70°C |
| | Humidity (no condensation) | 0~90%RH |
| Body Properties | Dimension | 71.6(W) x 66.6(D) x 24.8(H) mm |
| | Weight | TX: 85g RX:85g |
| | Color | Black |

Disclaimer

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