



HDMI[®] Over IP Extender

CS-HDIPEXTR

User Manual



• INTRODUCTION

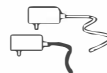
HDMI over IP extender, takes the advantages of the latest transmission technology - and extends your HDMI video/audio with the resolution of 1080p 60Hz up to 120m(394 feet) via single network cable. Supports IR signal, to control the signal source device.

Important Safety instructions:

1. Do not mix up the HDMI EXTENDER TX and HDMI EXTENDER RX, and the IR blaster and IR receiver.
2. Do not plug-in/out the cables ,when it is powered up.
3. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters.

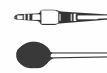
• Package Contents

HDMI EXTENDER sender TX x1pcs



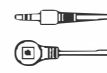
DC5V/1A x2pcs

HDMI EXTENDER receiver Rx x1pcs



IR blaster extension cable x1pcs

User Manual x1pcs



IR receiver extension cable x1pcs

Note : above accessory content is regular package for a kit. If buy HDMI extender TX or HDMI extender RX separately, the package contents would be different.

• Installation Requirements

1. HDMI source device.

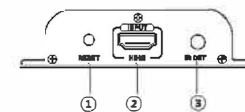
2. HDMI display device with HDMI I input.

3. Network cables : UTP/STP Cat5e/6 network cables, which following the standard of IEEE-568B.

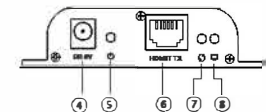
Transmission length: CAT5 80m/CAT5E 100m/CAT6 120m.

• Panel Description

1. HDMI EXTENDER TX (Sender)

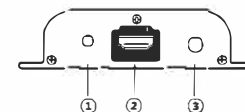


- ① Reset
- ② HDMI signal input
- ③ IR signal output to connect with blaster extension cable
- ④ Power input (DC5V)

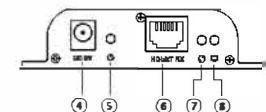


- ⑤ Power Light
- ⑥ IP signal output
- ⑦ Data transmission light
- ⑧ Network link light

2. HDMI EXTENDER RX (Receiver)



- ① Reset
- ② HDMI signal output
- ③ IR signal input to connect with IR receiver extension cable
- ④ Power input (DC5V)



- ⑤ Power Light
- ⑥ IP signal input
- ⑦ Data transmission light
- ⑧ Network link light

• Installation Procedures

1. How to make a Cat5e/6 network cable

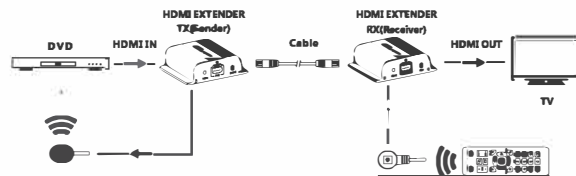
Follow the standard of IEEE-568B:

- | | | |
|----------------|--------------|---------------|
| 1-Orange/white | 4-Blue | 7-Brown/white |
| 2-Orange | 5-Blue/white | 8-Brown |
| 3-Green/white | 6-Green | |

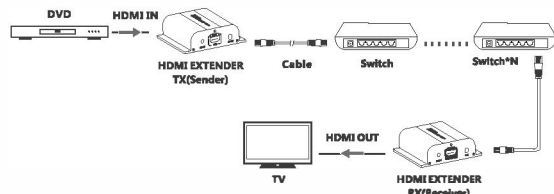


2. Connections

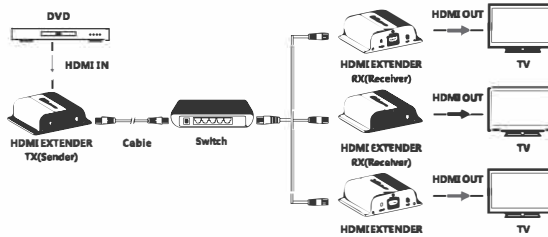
2.1 Point to Point connection: Up to 120 meters transmission distance over single CAT6 (High quality cable can reach 150 meters) .



2.2 Router Connection: By using 1000 Mbps network router/repeater, realize unlimited extension.



2.3 One-to-many Connection: By using 1000 Mbps network router/switch, one sender to several receivers, realize extender & splitter function.



Note: Gigabit (1000Mbps) switcher is required in LAN transmission.

3. IR User Guide

- 1) IR blaster extension cable should plug-in the IR-out port of TX (Sender) of HDMI extender, and the IR receiver extension cable should plug-in the IR-in port of the RX (Receiver) of HDMI extender.
- 2) The emitter of IR blaster should as close as possible to the IR receiver of the signal source device.
- 3) Using the IR remote controller of the signal source device towards the IR receiver (connected to the RX of HDMI extender), to remote control source media playback.

• FAQ

Q : TV display "Waiting for connection" on the right corner?

A : Please check if the power supply of TX (Sender) and switcher (if used) is connected, and make sure connecting cable is firmly.

Q : TV display "Please check the TX input signal" ?

A : 1) please check if there is a HDMI signal input of 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 wire and try again.

Q : Display not fluent, not stable?

A : 1) Please check the cable length between the TX to switch, the switch to the RX and the connection between each level is within the required range.

- 2) Click the "reset" button on the TX/RX front panel, reset and reconnect.

• Specification

Items	Specifications
HDMI Signal	Compatible with HDCP
transport protocol	IP
Support resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
Network Cable	UTP/STP Cat5/5e/6
Transmission distance	Up to 120 meters transmission distance for 1080p 60Hz Full HD over single CAT6
IR signal	Supports 20~60KHz IR devices
Working Temperature	0°C ~ 60°C
Power Supply	DC5V/1A
Power Consumption	TX: 3.5W; RX: 3W
Dimensions	96.8(W) x 94(D) x 23.7(H)mm *2PCS
Weight	TX: 145g RX: 142g
Color	Black

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.

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