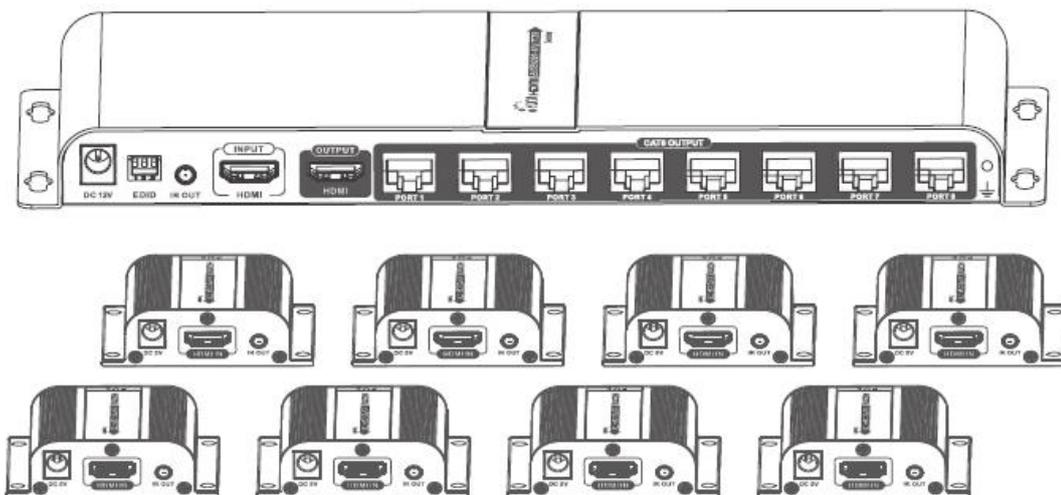


1×8 HDMI Extender Splitter

User manual



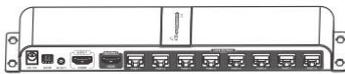
• **IMPORTANT SAFETY INSTRUCTIONS**

1. Do not mix up the Transmitter and Receiver, and the IR blaster and IR receiver.
2. Do not plug-in/out the cables ,when it is in using.
3. Use DC 5V power supply only. Make sure the specification matched if using 3rd party DC adapters.
4. Support power from transmitter to receiver unit over the CAT6 cable.

• **INTRODUCTION**

This HDMI extender splitter works with 8 HDMI CAT6 extender receivers to distribute and extend 1 HDMI source to 8 HDMI displays over single CAT6/6A/7 cable up to 40m/131ft. The highest resolution supported is 1920x1080@60Hz, and it supports IR passback, EDID pass through and only one power adapter for the transmitter is needed, the receivers are powered by the transmitter over CAT6 cable. Ideal solution for HDMI exhibition, video conference and show center, etc.

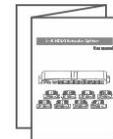
• **PACKAGE CONTENTS**



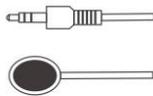
Transmitter unit ×1pcs



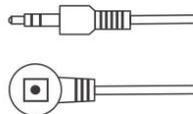
Receiver unit ×8pcs



User Manual ×1pcs



IR blaster extension cable x1pcs



IR receiver extension cable ×8pcs



DC12V/3A ×1pcs

- **FEATURES**

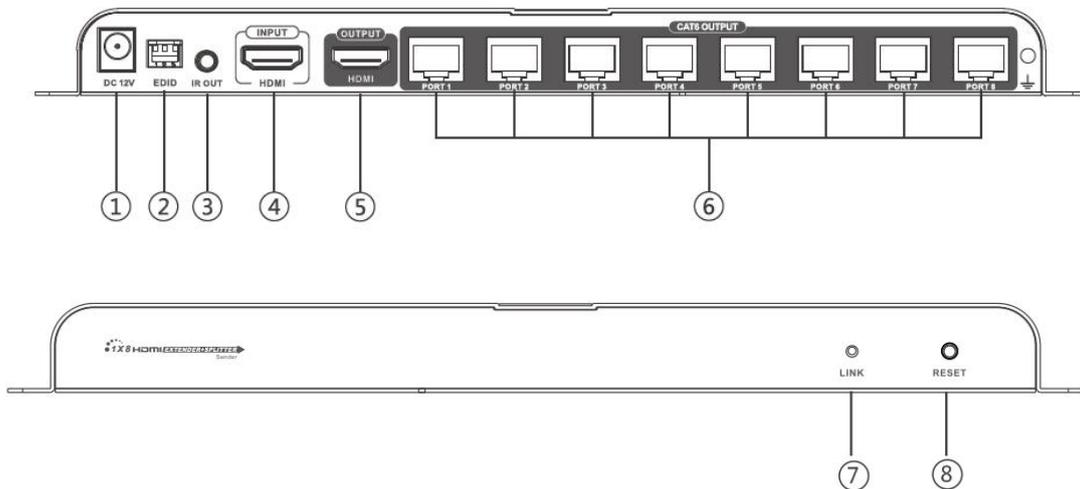
1. Distribute 1 HDMI source to 8 HDMI displays over network cable simultaneously.
2. Support one HDMI Loop-out.
3. Compatible with CAT6/6a/7 network cables.
4. The transmission distance is up to 40m/131ft.
5. The highest resolution supported is 1920x1080@60Hz.
6. Support 20~60KHz IR pass back.
7. Support EDID Setting function.
8. Support power from transmitter to receiver unit over the CAT6 cable.
9. Plug and play.
10. Wall-mounted function, easy installation.

- **INSTALLATION REQUIREMENTS**

1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
2. HDMI display device like SDTV, HDTV, and projector with HDMI port.
3. UTP/STP CAT6/6A/7 cable, follow standard IEEE-568B.

- **PANEL DESCRIPTION**

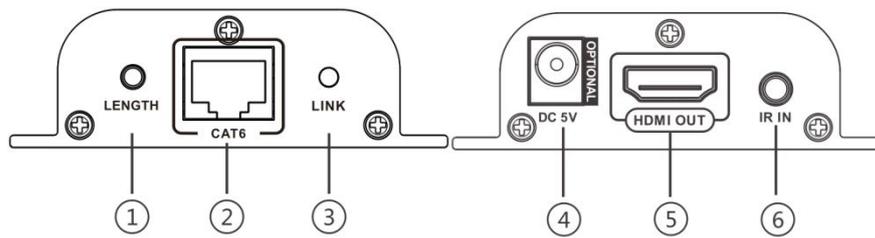
1. **Transmitter unit (TX)**



- ① Power input (DC12V)
- ② EDID switch
- ③ IR blaster extension cable
- ④ HDMI input

- ⑤ HDMI output
- ⑥ RJ45 signal output
- ⑦ Power/ signal indicator
- ⑧ Reset button

Receiver unit (RX)



- ① LENGTH: For adjusting the unit to self-adapt to the length of network cable
- ② RJ45 signal input
- ③ RJ45 indicator led it lights on all the time with HDMI signal transmission, flashes with no signal transmission
- ④ DC5V power input (OPTIONAL)
- ⑤ HDMI signal output
- ⑥ IR signal input to connect with IR receiver extension cable

Remarks: Users can press button " LENGTH " to adjust transmission distance of this device automatically or manually. If users do not press this button when power on, then the device will work like last time because of memory function. If users press this button after power on, the first two press will make the device adjust the distance according to the network cable length automatically. After this two press, if users continue to press this button, then will go to the mode of adjusting transmission distance manually. There is 10 levels to tally and adding one more press means a new level. When users finish the 10 levels adjusting manually it will be back to adjust transmission distance automatically mode and into the new loop.

• Installation Procedures

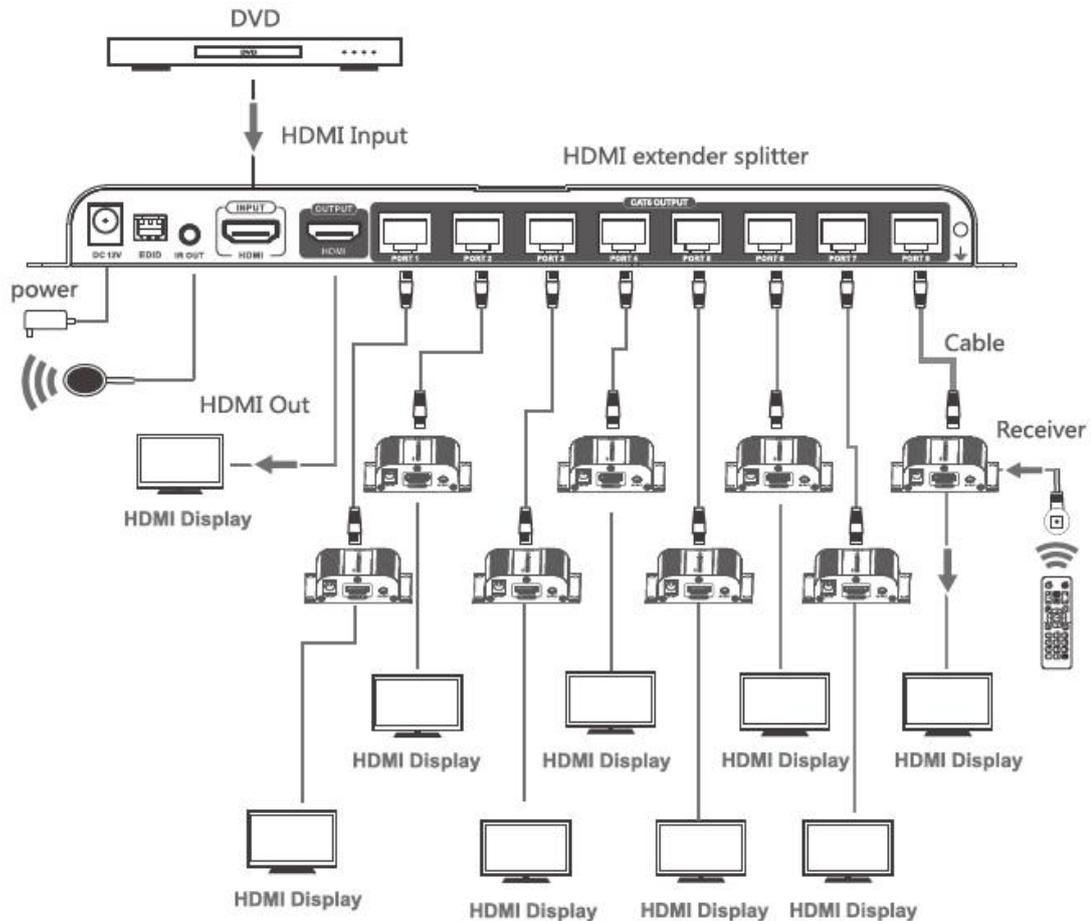


1. How to make a CAT5/5E/6 network cable

Follow the standard of IEEE-568B:

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

2. Connection



Remarks: Please do not remote control two or RX units' IR cable at the same time, which to avoid interference.

3. Connection instruction:

- 1) Connect the HDMI signal source device to the Transmitter HDMI input port with HDMI cable.
- 2) Connect IR blaster to EXTENDER IR OUT
- 3) Connect the Transmitter RJ45 port to HDMI EXTENDER RX's Rj45 input port by network cable.
- 4) Connect HDMI EXTENDER RX's HDMI output port to HDMI display's HDMI input port by HDMI cable and set the HDMI display's signal source to be HDMI port.
- 5) Supply the power(Power's signal light is red, when there are signal input then the power light is blue),the product will work.

4.EDID Setting

- 1) HDMI source device reads the EDID information of the transmitter (TX) and then output the relative HDMI signal format.
- 2) There are 8 build-in EDID status, and others could be selected by the EDID switch in the HDMI extender splitter(transmitter), the detail Setting Information shown as below:

 Switch UP : use the Arabic numeral "1" to represent

 Switch DOWN : use the Arabic numeral "0" to represent

| Switch Status | SW1 | SW2 | SW3 | EDID Mode |
|---------------|-----|-----|-----|---|
| | 0 | 0 | 0 | 720P@50Hz 2.1CH |
| | 1 | 0 | 0 | 720P@50Hz 7.1CH |
| | 0 | 1 | 0 | 1080i@60Hz 2.1CH |
| | 1 | 1 | 0 | 1080i@60Hz 7.1CH |
| | 0 | 0 | 1 | 1080P@60 2.1CH |
| | 1 | 0 | 1 | 1080p@60Hz 7.1CH |
| | 0 | 1 | 1 | Read Loop-out(if not connect the loop-out show default) |
| | 1 | 1 | 1 | Default 720P@50Hz 2.1CH |

• FAQ

Q : No image or audio output on display ?

A: 1) Please check whether display on standby mode;

2) Please make sure the HDMI Port on the HDMI display is correctly connected with the HDMI cable.

3) Please check whether signal indicator “ LINK ” LED on RX side keeps on, LED flash means RX does not receive signal from TX;

4) Please check whether signal indicator “ LINK ” LED on TX turns blue, LED on red means no input signal;

5) Please check whether input resolution is supported by this product.

Q : Image unstable ?

A: 1) Press the “ LENGTH ” button on receiver or “ RESET ” button on the

transmitter to re-identify the signal;

2) Please re-connect the corresponding network cable and try again.

Q : There is only some ports output signal ?

A : 1)Please check and make sure CAT cable or HDMI cable connected well;

2)Press the “LENGTH” button on receiver or “RESET” button on the transmitter to re-identify the signal;

3)Please re-connect the corresponding network cable and try again.

- **SPECIFICATION**

| Items | Specifications |
|---------------------|--|
| HDMI signal | HDMI1.3, Compatible with HDCP1.2 |
| Input | 1 x HDMI |
| Output | 8 x HDMI |
| Support resolutions | 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz |

| | |
|---------------------|--|
| Transmit distance | Full HD resolution 1080p@60Hz up to 40 meters via CAT6 cable |
| IR signal | Support 20~60kHz IR device |
| EDID | Support EDID manual setting function |
| Working temperature | 0°C ~ 60°C |
| Power supply | DC12V/3A |
| Power Consumption | <24W |
| Dimension | TX: 276(L) x 95.98(W) x 23(H) mm RX: 71.6×66.6×22.6mm |
| Weight | TX: 620g x1pcs RX: 80g x8pcs |
| 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.

We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.