

# User manual

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## HDMI Network extender

### Product introduction

This Network Extender is a product extends HDMI 2.0 4K@60Hz signal for 60 meters over Cat6 cable instead of HDMI cable. The purpose of the extender is to achieve long-distance signal transmission with low-cost wires.

### Product features

1. Support high resolutions up to 4K@60Hz
2. Long distance transmission up to 60 meters
3. HDMI V2.0,HDCP V2.2 compatible.
4. HDMI Transmitter and Receiver 2 in 1. Function can be switched by pressing the “switch” button.
5. Low power consumption, high safety.
6. IR receiver and sender cable are built 2 in 1, easy and convenient for installation

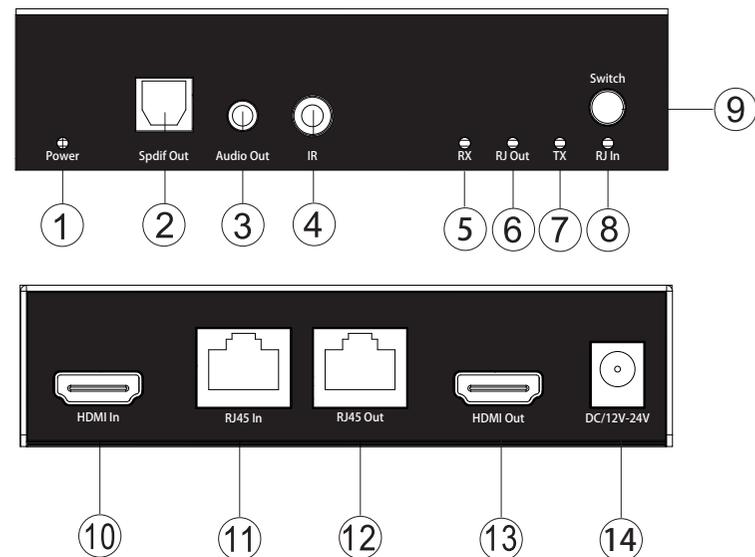
### Package Content

- |                                |    |
|--------------------------------|----|
| 1.HDMI Network extender        | x2 |
| 2.IR receiver & extender cable | x2 |
| 3.Power supply                 | x1 |
| 4.User manual                  | x1 |

## Product specifications

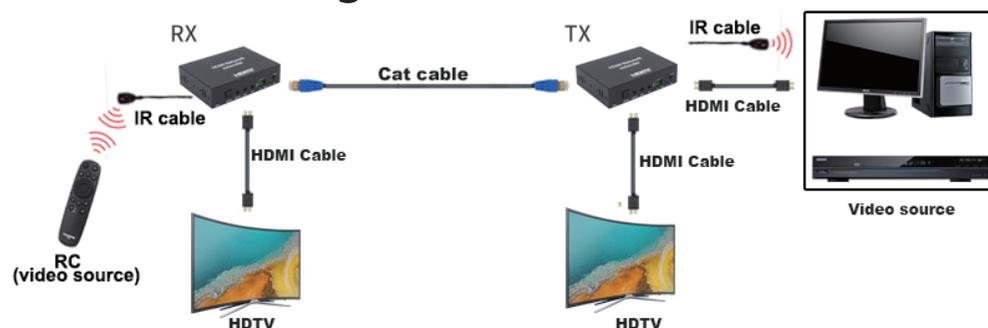
Max length of CAT-6 cable .....	up to 60 meters
HDMI & HDCP Version.....	HDMI V2.0, HDCP V2.2
HDMI input.....	4K/2K/1080p/720p/576p/576i/480p/480i
Support audio format	
.....	DTS Digital Dolby Digital DTS-Hp Dolby TrueHD
HDMI output.....	4K/2K/1080p/720p/576p/576i/480p/480i
Max bandwidth.....	600MHz
Max baud rate.....	18Gbps
Input video signal.....	0.5~1.5Volts p-p
Output DDC signal.....	5Volts p-p (TTL)
Input HDMI cable distance .....	≤ 10m AWG26
HDMI standard cable	
Output HDMI cable distance.....	≤ 10m AWG26
HDMI standard cable	
TX Max power.....	9W
RX Max power.....	9W
Power adapter input .....	AC (50Hz, 60Hz) 100V-240V
Power adapter output .....	DC12V/1A
Operating Temperature range.....	(-15 to +55℃)
Operating Humidity range....	5% to 90%RH (No Condensation)
Dimension (L x W x H).....	112x79x28(mm)
TX Weight.....	265g
RX Weight.....	265g

## Physical interface



- |                                  |                          |
|----------------------------------|--------------------------|
| 1. Power Indicator               | 8. RJ45 Input Indicator  |
| 2. Optical audio output port     | 9. TX/RX Switch button   |
| 3. 3.5mm audio output port       | 10. HDMI Input port      |
| 4. IR Output Input port          | 11. RJ45 Input port      |
| 5. work as Receiver Indicator    | 12. RJ45 Output port     |
| 6. RJ45 output Indicator         | 13. HDMI Output port     |
| 7. work as Transmitter Indicator | 14. DC 12-24V input port |

## Connection diagram



## Connection instructions

Take either of the unit as Transmitter (TX) , take the other unit as Receiver ( RX)

1. Connect the HDMI source(such as DVD,PS3,STB etc.) to the "HDMI in" of TX with HDMI cable.  
Connect the "HDMI out" of the TX to an HDTV with one HDMI cable (optional function for loop out).
2. Connect IR cable to the "IR" Port of TX and put the other end of the IR cable to the IR receiver of HDMI video source .  
Please refer to the video source's user manual to know the position of the IR receiver.
3. Connect the "HDMI out" of RX to HDTV display with HDMI cable.
4. Connect the IR cable to the IR" Port of RX.

5. Use one cat6 cable max 60m to connect "RJ45 out" of TX and "RJ45 in" of RX.
6. If you want to connect audio receivers, use one optical cable to plug in "Spdif out" or a 3.5mm audio cable to plug in "Audio out" of TX or RX, and the other end to connect audio receiver.
7. Plug the power adapters for the TX and RX , then power them on.
- 8.Short press the "switch" button of TX and make "TX" LED indicator on, it works as Transmitter.  
Short press the "switch" button on RX and make " RX" LED indicator on, it works as Receiver.

8. Power on the HDTV display and HDMI source.

## Safety precautions

- Cables must be placed where you won' t step on them.  
Ensure cable integrity
- To provide adequate ventilation during use, be sure to leave at least 1 inch of space between the sides of the device (except on the side of the flat surface).
- Do not install the product in the water source or the environment with excessive moisture near the water source.
- Do not operate this product when your hands are wet.Place this product on a flat surface and keep it away from children.
- Do not disassemble the product by yourself.
- Please use the attached power adapter.

## Possible problems and solutions

The problem	The solution
No electricity	<ol style="list-style-type: none"><li>1. Check whether the power adapter is connected properly.</li><li>2. Check if the power switch is on.</li></ol>
No image or video blurred image	<ol style="list-style-type: none"><li>1. Check whether the display screen is on.</li><li>2. Check if the input source is on.</li><li>3. Check all cables and make sure they are fully plugged into the port.</li><li>4. Try replacing the cables with different known good ones.</li></ol>
No sound or poor sound quality	<ol style="list-style-type: none"><li>1. Check whether the audio device has been turned on. Check if the input source is turned on.</li><li>2. Check if the audio output settings of the input source are set correctly.</li><li>3. Refer to the user manual of input sources for how to change this setting.</li><li>4. Check all cables to make sure they are fully plugged into the ports.</li><li>5. Try to replace it with other cables that are known to be good.</li></ol>

## Product recycling

To properly dispose of the product, follow the recycling process specified in your area.