



USER MANUAL

4K 60m HDMI Extender JHS23/60 MTR

Enjoy the vivid world

Introduction

The Extender uses single cat5e or cat6(recommended) cables instead of HDMI cable to transmit high definition signal up to 60 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.

TX Extender

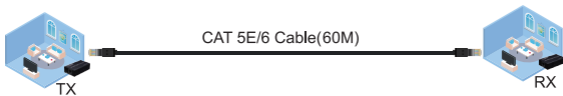


RX Extender



Features

- 1: Support HDMI 1.4b,DVI1.0, HDCP1.4
- 2: 60M long distance transmission:



- 3: Low power consumption, low temperature and high safety.
- 4: Support HDMI out Downscaling

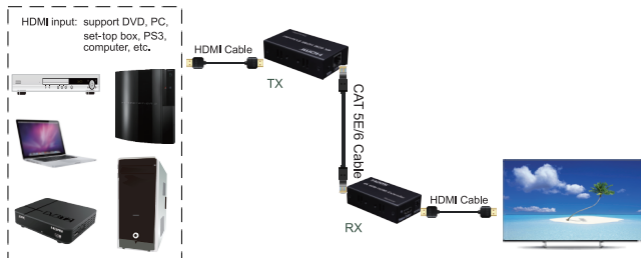
Specifications:

| | |
|--|--|
| Length of CAT5e/CAT6 cable between RX and TX | Up to 60 meters |
| HDMI Input | 4k /1080p/1080i/720p/576p/576i/480p/480i |
| HDMI Output | 4k /1080p/1080i/720p/576p/576i/480p/480i |
| Max bandwidth | 340MHz |
| Max baud rate | 3x3.4Gbps |
| 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 working current | 350mA |
| RX Max working current | 200mA |
| Power adapter format | Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A |
| Operating Temperature range | (-15 to +55 ℃) |
| Operating Humidity range | 5 to 90%RH (No Condensation) |
| Dimension (L x W x H) | 81x47x22 (mm) |
| TX Weight | 102g |
| RX Weight | 103g |

Connecting and Operating:

- 1.Connect one HDMI cable between source device and TX Extender, the max cable distance is 10 meters
- 2.Connect one HDMI cable between display device and RX Extender, the max cable distance is 10 meters
- 3.Connect single cat-5e or cat-6(recommended) cables instead of HDMI cables between TX and RX Extender, the max cable distance is 100 meters
- 4.Connect 5V power supply to the TX and RX.
- 5.LED indicator light
TX LED indicator light: When there is no signal input, it turns blue;
When there is signal input, it turns red,and keep flashing.
RX LED indicator light: When there is no signal input, it turns blue;
When there is signal input, it turns red,and keep flashing.
- 6.EDID button: The button can support the switch of EDID between 1080p and 4K.(4K is the default EDID when the power is on).

Connection diagram:



Application diagrams

HDMI extender over IP is used in audio-visual conference, command and control center, ticketing platform, home theater, multi-media teaching, conference system and so on.



Audio-visual conference



Command and control center



Home theater

Physical interface diagram



| Port | Function description |
|---------|--|
| EDID | 4K and 1080P switch button |
| CAT5e/6 | Cat5e / 6 cable connection port |
| Status | Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing |
| Input | HDMI Input port |
| DC/5V | 5V DC Power input port |



| Port | Function description |
|---------|--|
| CAT5e/6 | Cat5e / 6 cable connection port |
| Status | Turn on the power,it turns blue. when there is signal input,it turns red,and keep flashing |
| Output | HDMI output port |
| DC/5V | 5V DC Power input port |

The Package includes:

- | | | | |
|----------------|------|---------------------------|------|
| 1. TX Extender | 1PCS | 3. 5V/1A DC Power adapter | 2PCS |
| 2. RX Extender | 1PCS | 4. User Manual | 1PCS |