



USER MANUAL

HDMI 60M KVM Extender With Audio

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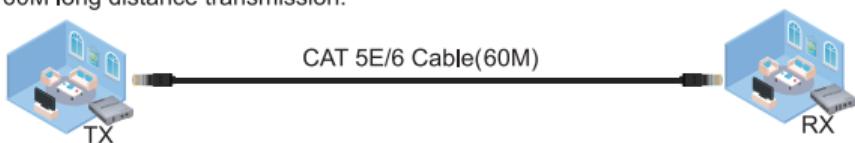
Introduction:

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.



Features:

- 1: Support highest video resolution 1080p/60Hz;
- 2: 60M long distance transmission;



- 3: Both the TX and RX support 3.5MM left and right audio output;
- 4: Low power consumption, low temperature and high safety;
- 5: Support IR remote control;
- 6: Support USB mouse and keyboard extension.

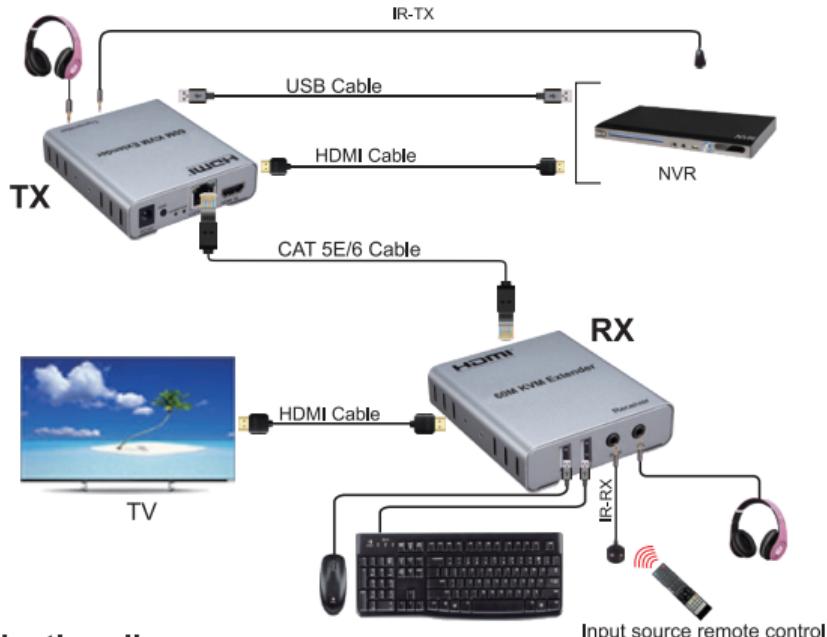
Specifications:

| | |
|---|--|
| Length of CAT-5E/6 cable between RX and TX..... | Up to 60 meters |
| HDMI Input..... | 1080p/1080i/720p/576p/576i/480p/480i |
| HDMI Output..... | 1080p/1080i/720p/576p/576i/480p/480i |
| Max bandwidth..... | 150MHz |
| Max baud rate | 4.5Gbps |
| 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..... | ≤15m AWG26 HDMI standard cable |
| TX max working current | .300mA |
| RX max working current | .300mA |
| Power adapter format..... | Input:AC (50HZ,60HZ)100V~240V; Output: DC5V/1A |
| Operating temperature range..... | (-15 to +45°C) |
| Operating humidity range..... | 5 to 90%RH (No Condensation) |
| Dimension (LxWx H) | 94x84x24(mm) |
| TX weight | .220g |
| RX weight | .220g |

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 15 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 60 meters;
4. Connect 5V power supply to the TX and RX;
5. LED indicator light:
 - TX LED indicator light: When there is signal input, it turns blue;
 - RX LED indicator light: When there is signal input, it turns blue;
6. EDID button: The button can support the switch of EDID between 720P and 1080P. (1080P is the default EDID when the power is on).
7. Plug the IR receiver cable into the receiver, and IR transmitter cable plug into the transmitter if you need the IR receiver cable, aim at the equipment which needs to control.
8. Plug the mouse and keyboard into the two USB port of the receiver, and connect the USB port of the transmitter with the computer if you need the KVM control function.

Connection diagram:



Application diagrams:

HDMI extender 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:

TX:



| Port | Function description |
|---------|--|
| Input | HDMI Input port |
| DC/5V | 5V DC Power input port |
| CAT5E/6 | Cat5e/6 cable output port |
| USB | USB-PC |
| Audio | Stereo output |
| IR-TX | 3.5MM IR transmitter |
| EDID | 1080P and 720P switch button (press for 3 seconds) |

RX:



| Port | Function description |
|---------|---------------------------|
| Output | HDMI Output port |
| DC/5V | 5V DC Power input port |
| CAT5E/6 | Cat5e/6 cable input port |
| IR-RX | 3.5MM IR receiver |
| USB 1 | USB for mouse or keyboard |
| USB 2 | |
| Audio | Stereo output |

The Package includes:

| | | | |
|---------------------|------|------------------------|------|
| 1.TX Extender | 1PCS | 4.IR transmitter cable | 1PCS |
| 2.RX Extender | 1PCS | 5. 5V power adapter | 2PCS |
| 3.IR receiver cable | 1PCS | 6. User manual | 1PCS |