# 4K HDMI 100M KVM Extender

# User Manual



Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## I. Introduction

The 4K HDMI KVM Extender--Extend USB Keyboard, Mouse, and HDMI video signals up to 328ft (100m) over CAT6/6a/7 cable,and you can display on 3 compatible monitors meanwhile. And you can use 2 USB ports on the Receiver (RX) to control your PC at a remote location.
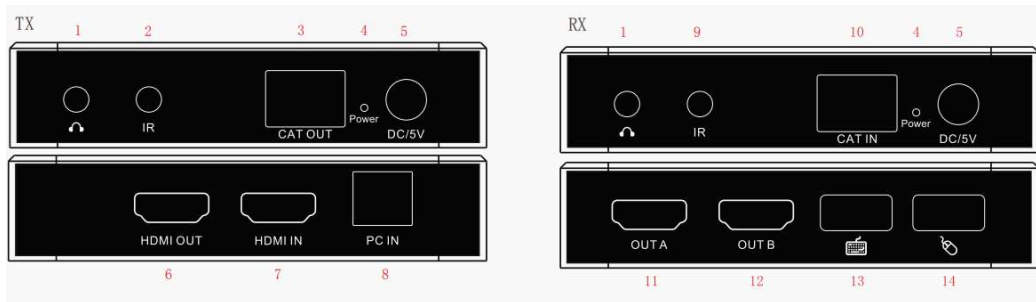
## II. Features

1. Support HDMI1.4 and HDCP1.4.

2. Supports uncompressed data transmission at 4K @30Hz with near zero latency.

3. Supports PCM, LPCM, Dolby, DTS audio formats

4. Supports 3.5MM audio output on TX & RX.

5. Equipped with an HDMI Loop-out on the TX for a local display,and 2 HDMI output on the RX.

6. Equipped with 2 USB ports on the Receiver (RX) to control your PC at a remote location with a USB keyboard and mouse.

7. Supports IR control

## III.  Specifications

| | |
|---|---|
| Bandwidth | 10.2 Gbps |
| Input | TX:1* HDMI,1* PC,<br><br>RX:1* HDMI,1* RJ45,1*IR |
| Output | TX:1* RJ45,1*3.5mm(audio out),1*HDMI(Loop out),1*IR<br><br>RX:2* HDMI,1*USB Type A,1*USB Type B,1*3.5mm(audio out) |
| Max resolution | 4k@30Hz |
| Transmission range | 328ft (100m) over CAT6 |
| Audio support | PCM, LPCM, Dolby, DTS |
| Power Supply | DC 5 V 2 A |
| ESD Protection Human Body Model: | ± 8kV (air-gap discharge)<br><br>± 4kV (contact discharge) |
| Operating Temperature | 0°C ~ 40°C / 32°F ~ 104°F |
| Storage Temperature | -20°C ~ 60°C / -4°F ~ 140°F |
| Relative Humidity | 20 ~ 90% RH (Non-condensing) |
| Power Consumption (Max) | 20W |
| Housing | Aluminum alloy |
| Dimension (L x W x H) | 130x100x22(mm) |
| Weight | TX:260(g)<br><br>RX:250(g) |

## IV.  Operation controls and Functions

1.3.5 Audio output

2.IR output

9.IR input

3.RJ 45 output for cat6

10.RJ 45 input for cat6

4. power indicator

11.HDMI Output A

5.5V2A power input

12. HDMI Output B

6.Local HDMI output

13.USB for keyboard input

7.HDMI input

14.USB for mouse input

8.USB input from PC

## V.　Connecting and Operating:

1. Connect one HDMI cable between source device and TX Extender, and another one HDMI cable between display device and RX Extender.

2. Connect single cat-6　cables between TX and RX Extender, the max cable distance is 100 meters.

3. Connect 5V/2A power supply to the TX and RX.

4. Plug the mouse and keyboard into the port of the receiver, and connect the port of the transmitter with the computer if you need the KVM control function.

5. Plug the 3.5mm audio ports when you want to use earphones.

6. LED indicator light:Turn it on, the power light is red; when there is a signal input, the yellow light in the RJ45 flashing.

## VI.　Packing list

- HDMI KVM CAT6 Extender (TX & RX units)

- IR cables( Transmitter & Receiver)

- 2x Power adapter(5V/2A )

- 1x Operation Manual

- 1x USB cable

## VII. Connection diagram: