



# USER MANUAL

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## HDMI 60M KVM Extender

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.



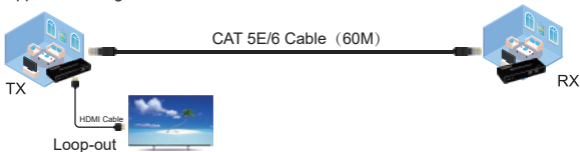
**TX**



**RX**

## Features

- \* Support 1080P/60Hz;
- \* Support local loop-out ;
- \* Support 60m long distance transmission :



- \* Low power consumption, low temperature and high safety ;
- \* Both the TX and RX support 3.5MM left and right audio output ;
- \* Support IR control ;
- \* Support mouse and keyboard extension;

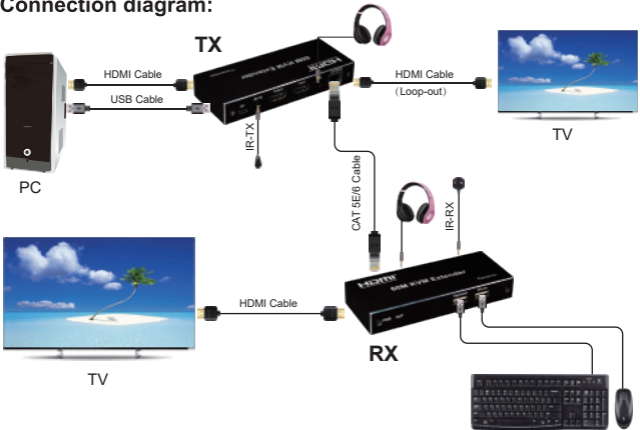
## Specifications:

Length of CAT-6/CAT-5E 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 .....	450mA
RX Max working current .....	350mA
Power adapter format .....	Input:AC (50HZ, 60HZ) 100V-240V; Output: DC5V/1A
Operating Temperature range .....	(-15 to +45 ℃)
Operating Humidity range .....	5 to 90%RH (No Condensation)
Dimension (L x W x H) .....	122x50x19 (mm)
TX Weight .....	108g
RX Weight .....	108g

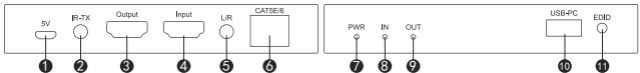
## Connecting and Operating:

- 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).

## Connection diagram:

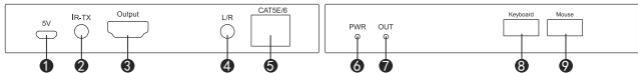


## Physical interface diagram



- 1: 5V ---- 5V DC Power input port;
- 2: IR-TX ---- IR-TX port;
- 3: Output ---- HDMI Loop-out port;
- 4: Input ---- HDMI Input port;
- 5: L/R ---- Stereo output;

- 6: CAT5E/6 ---- Cat5e / 6 cable connection port;
- 7: PWR ---- Power indicator light;
- 8: IN ---- HDMI IN indicator light ;
- 9: OUT ---- HDMI OUT indicator light;
- 10: USB-PC ---- connect with the usb of device (PC);
- 11: EDID ---- 720P and 1080P switch button;



1: 5V ---- 5V DC Power input port;

2: IR-TX ---- IR-RX port;

3: Output ---- HDMI Out port;

4: L/R ---- Stereo output;

5: CAT5E/6 ---- Cat5e / 6 cable connection port;

6: PWR ---- Power indicator light;

7: OUT ---- HDMI OUT indicator light;

8: Keyboard ---- Keyboard port;

9: Mouse ---- Mouse port;

## 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

## The Package includes:

1. TX Extender 1PC

2. RX Extender 1PC

3. IR cable 1 Pair

4. Power adapter 2PCS

5. User Manual 1PC