



USER MANUAL

4K HDMI Extender + Audio

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 100 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal.

TX Extender

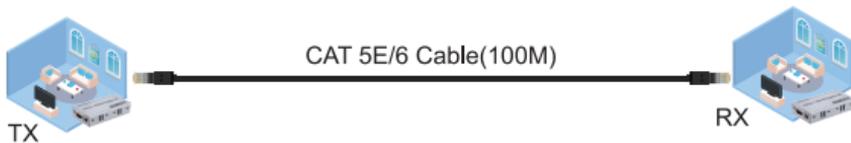


RX Extender



Features

- 1: Support HDMI 1.4a.
- 2: Support 100m long distance transmission



- 3: Low power consumption, low temperature and high safety.
- 4: Support 3D video format
- 5: Both the TX and RX support 3.5MM left and right audio output
- 6: Support IR control

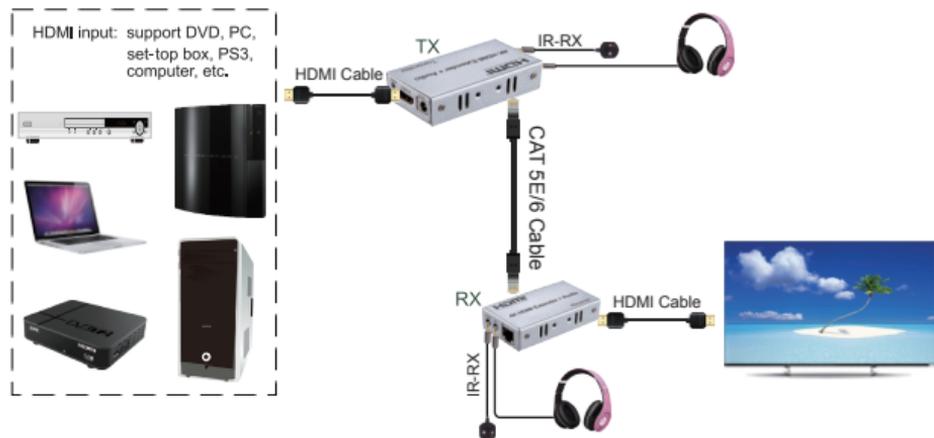
Specifications:

Length of CAT5e/CAT6 cable between Rx and TX	Up to 100 meters
HDMI Input	4k/1080p/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	≤15m AWG26 HDMI standard cable
Output HDMI cable distance	≤15m 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)	82x45x18 (mm)
TX Weight	100g
RX Weight	120g

Connecting and Operating:

- 1.Connect one HDMI cable between source device and TX Extender, the max cable distance is 15 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 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.
RX LED indicator light: When there is no signal input, it turns blue;
When there is signal input, it turns red.
- 6.The pairs of IR RX and IR TX cable connect the 3.5mm IR RX and IR TX port of the receiver and transmitter respectively. (Just connect when you need it)

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



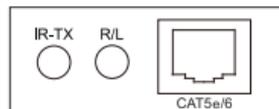
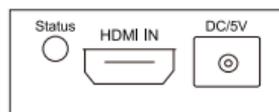
Command and control center



Home theater

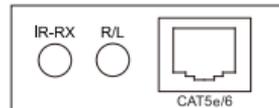
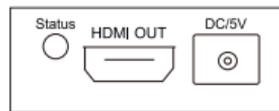
Physical interface diagram

TX:



Port	Function description
Status	Turn on the power, it turns blue. when there is signal input, it turns red
HDMI IN	HDMI Input port
DC/5V	5V DC Power input port
IR-TX	IR-TX port
R/L	Stereo output
Cat5E/6	Cat5e / 6 cable connection port

RX:



Port	Function description
Status	Turn on the power, it turns blue. when there is signal input, it turns red
HDMI OUT	HDMI Output port
DC/5V	5V DC Power input port
IR-RX	IR-TX port
R/L	Stereo output
Cat5E/6	Cat5e / 6 cable connection port

The Package includes:

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