

HDMI Extender over single CAT5e/6 with TCP/IP(200M)

HDMI EXTENDER

User Manual

HDMI Extender over single CAT5e/6 (200M)
(Full HD 1080P TCP/IP)

Bring High-Definition to your life!

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.

1.0 INTRODUCTION

The HDMI Extender over single CAT5e/6 is a tool for extending your HDMI signal over long distances to a compatible display. Instead of using expensive HDMI cables, your existing CAT 5e/6 cables/sockets can be utilized to perform advanced functions like transferring Deep Color (12 bits/color) video and digital audio, with a bandwidth up to 225MHz. The HDMI Transmitter and Receiver, over ONE CAT5e/6 extender is your substantial HDMI extender tool. The HDMI Extender also support IR re-transmitting, so you can control the source which is 200 meters outside using the HDMI extender.

2.0 FEATURES

- 1.Signal transmission :CAT5e or CAT6(recommended) cables up to 200 meters instead of HDMI cables are connected between TX and RX Extender.
- 2.Support HDMI1.3, HDCP 1.2 protocol compliant.
- 3.Support video input : 24/50/60fs/1080p/720p/576p/480p.
- 4.Support video output : 24/50/60fs/1080p/720p/576p/480p.
- 5.Support CEC.
- 6.Support 20~60KHz IR working.
- 7.protocol compliant TCP/IP one transmitter and multiple receivers, with a maximum of 253 receivers.
- 8.Audio format support:
DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD.
- 9.No loss of quality,Installs in minutes.
- 10.Need DC/5V power supply.

3.0 PACKAGING ACCESSORIES:

When first unpacking your extender please check to see if the following items are included:

- 1.HDMI Transmitter-----1 PCS
- 2.HDMI Receiver-----1 PCS
- 3.IR-TX -----1 PCS
- 4.IR-RX -----1 PCS
- 5.Power supply-----2 PCS
- 6.User manual-----1 PCS

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4.0 SPECIFICATION

Length of CAT-6 cable between Transmitter and Receiver-----	Up to 200 meters
HDMI Input-----	24/50/60fs/1080p/720p/576p/480p
Support audio format input -----	DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby-AC3/DSD
HDMI Output-----	24/50/60fs/1080p/720p/576p/480p
Support audio format output-----	LPCM7.1/DTS/Dolby-AC3/DSD
Max bandwidth-----	165MHz
Max baud rate-----	4.95Gbps
Input Video signal -----	0.5~1.5Volts p-p
Output DDC signal-----	5Volts p-p (TT1L)
Input/Output HDMI cable distance-----	≤20m AWG26 HDMI standard cable
Max working current-----	800mA
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)

5.0 PANEL DESCRIPTIONS

Please study the panel drawings below and become familiar with the signal input(S),output(S)and power requirements.

Transmitter Panel



DC/5V -----	Power input interface
Power -----	Power indicator
HDMI IN -----	HDMI input interface
IR-TX -----	IR transmitter port
Audio -----	stereo output port
CAT5e/6 -----	CAT5e/6 output port
Reset -----	Reset button

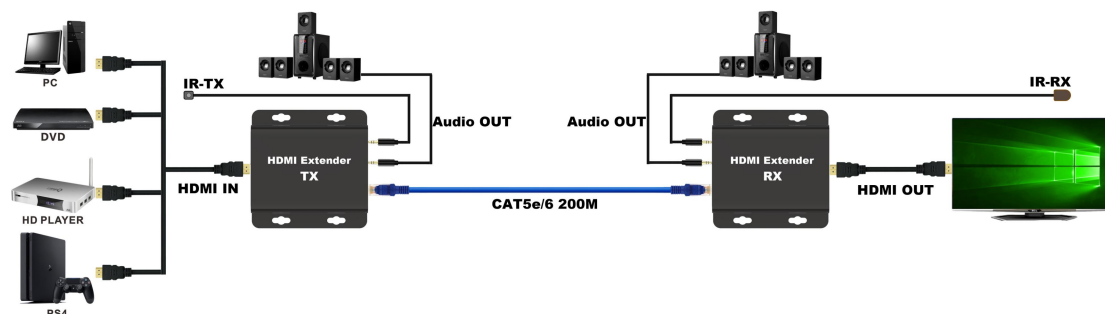
Receiver Panel



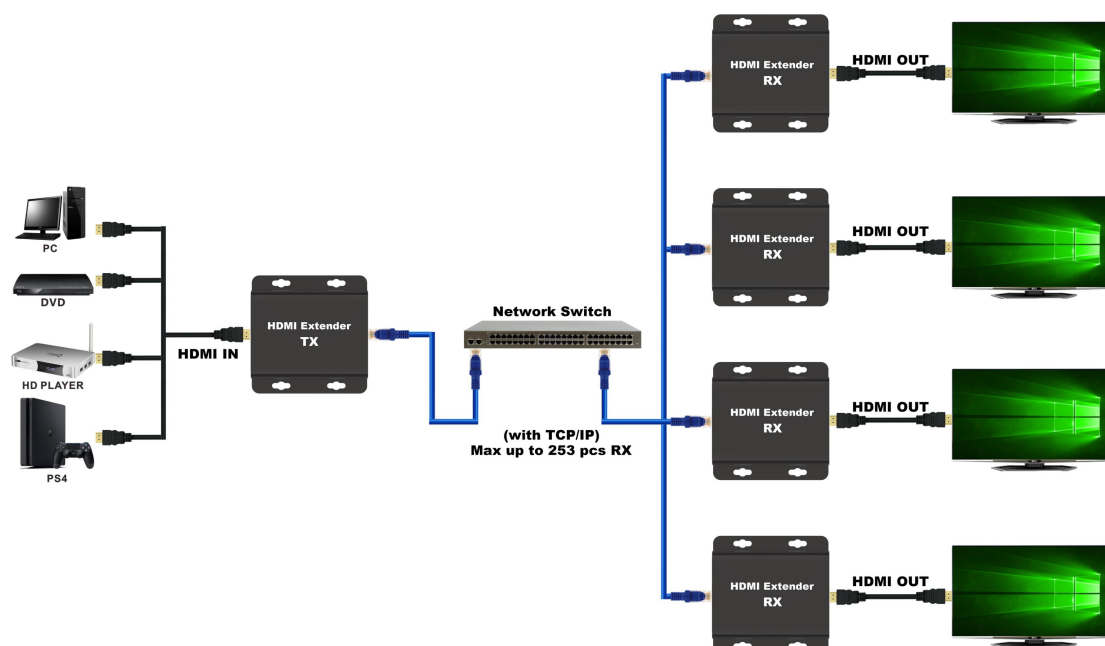
IR-RX -----	IR receiver interface
Audio -----	stereo output port
CAT5e/6 -----	CAT5e/6 input port
DC/5V -----	Power Input interface
Power -----	Power indicator
HDMI OUT -----	HDMI output interface

6.0 CONNECT AND OPERATE

Before installation, please make sure all devices you wish to connect have been turned off..



- 6.01. Connect HDMI signal source to the transmitter of HDMI extender.
- 6.02. Use LAN cable (Recommend: CAT5e/6) to connect transmitter and receiver of HDMI Extender.
- 6.03. Connect the display equipment with HDMI connector to the receiver of HDMI extender.
- 6.04. Power on all connected devices, Choose the input of the display device to its HDMI channel.



Transmitter and Receiver one by N application, N can up to 253.

7.0 INSTALLATION AND PRECAUTIONS

To avoid electric shock, product damage and to protect your safety, please notice the following:

1. Please slowly plug or unplug signal cables and do not often plug, unplug, or shake them.
2. The equipment should not be placed under the sun, rain and damp or

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unventilated environment.

3. Liquid items should not be placed on the equipment.
4. Do not install the equipment near heat sources such as fire , power , or other amplifiers that produce heat.
5. Do not insert the metal or other objects to the equipment in addition to connecting cables to ports.
6. Do not demolish the equipment by yourself ; it should be maintained by professional maintenance staff.