

USER MANUAL

50m HDMI Extender with loop-out

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1.Introduction

The HDMI Extender uses single cat-5E or cat-6(recommended) cables instead of HDMI cable to transmit high definition signal up to 50 meters, cutting down the cost. The Extender is designed to supply for long distance transmission of high definition signal. Our devices offer solutions for noise, space and security concerns, data center control, information distribution, conference room presentation, school and corporate training environments.



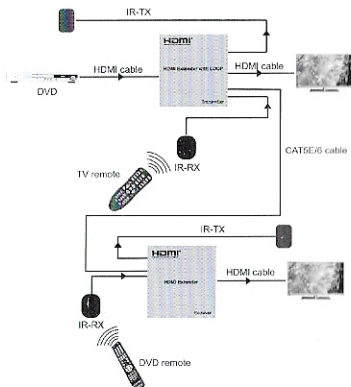
2.Features

- * Support HDMI 1.4a
- * Support 3D
- * Support highest video resolution 1080p/60Hz
- * Support Bi-directional IR Control
- * Support 1.49Gbps data rate and lmds clock up to 148.5MHz
- * Support 8 bit deep color
- * The transmitter support HDMI loop-out function.
- * The transmitter support EDID management.
- * Support AWG26 HDMI standard cable, input up to 10 metres, output up to 10 metres

- * Twisted pair transmission: By using single cat-5e or cat-6(recommended) cable to connect the transmitter and receiver, it can extend the distance up to 60 meters between TX and RX, the quality of the cable will influence the transmission distance.
- * Need DC5V/1A power supply
- * EDID instruction:

Dial up "1 2"	Function
0 0	2D 2 sound channel
0 1	3D 2 sound channel
1 0	2D 5.1 sound channel
1 1	2D 7.1 sound channel
"0"show to dial"up", "1"show to dial"down"	

Physical Connection Showing Picture:



Operating and Connecting :

- 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 10 meters
- 3.Connect single cat-5e or cat-6 (recommended) cables between TX and RX Extender, the max cable distance is 50 meters
- 4.The 2 pairs of IR RX and IR TX cable connect the 3.5mm IR RX and IR TX port of the receiver and transmitter respectively.
- 5.Connect 5V power supply to the TX and RX.
- 6.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.

Specification

Length of CAT-6/CAT-5E cable between Rx and TX.....	Up to 50 meters
HDMI Input.....	24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Support audio format.....	DTS/Dolby/PCM
Support audio input.....	DTS-HD/Dolby-trueHD/DTS/Dolby-AC3/DSD
HDMI Output.....	24/50/60fs/1080p/1080i/720p/576p/576i/480p/480i
Max transmission bandwidth.....	148.5MHz
Max baud rate.....	1.49Gbps
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.....	≤10m AWG26 HDMI standard cable
TX Max working current.....	650mA
RX Max working current.....	300mA
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)	81x87.5x23.5 (mm)
TX Weight.....	210g
RX Weight.....	200g

5.Connection and operation

- 1) Connect the HDMI signal to the HDMI Transmitter with HDMI cable
- 2) Connect the HDMI receiver to the HDTV display with HDMI cable
- 3) Use one fiber cable up to 20km to connect the SC type port of Transmitter and SC type port of Receiver
- 4) Connect the "IR receiver "into "IR-TX" port on transmitter, and "IR transmitter " into the "IR-RX" on receiver, and make sure the IR transmitter aims at IR receiver of the controlled device if you need the IR control function
- 5) Connect two pieces of 5V power supply to the transmitter and receiver, power supply for the equipment and the LED indicator light on. When status lamp on and flicker, equipment starts normal
- 6) Multipoint to multipoint match setting: when multiple TXs and multiple RXs connect to the switch, the fiber extender can match based on "SET" setting (eg: "SET" of TX is 0001, "SET" of RX is 0001)

3.Package Contents

Before attempting to use this unit, please check the package and make sure the following items are contained in the shipping carton:

- 1)one piece of HDMI fiber extender transmitter
- 2)one piece of HDMI fiber extender receiver
- 3)Two pieces of DC 5V power supply
- 4)One pair of IR transmitter and receiver
- 5)User's Manual

The Package includes:

1. TX Extender: 1pc RX Extender: 1pc
2. IR RX Cable: 2pcs IR TX Cable: 2pcs

3. 5V DC Power adapter
4. User Manual

Notes:

Pls use the machine as the instruction listed to keep the long use lifetime of the machine.

- 1.The machine should be placed at the spot far from the Damp, High-Temperature, Dusty,Erosive, and oxidative environment.
- 2.All parts will be free from the strong shake, hit, fall.
- 3.Touching the power adaptor with the wet hands is prohibited.
- 4.Pls hold the power adaptor head and do not pull the power cord when cut off from the socket.
- 5.Pls turn the power off when the machine is not used for long time.
- 6.Pls do not open the cover and do not touch the inside parts.
- 7.Pls use the original factory power adaptor.

Before power on, pls check the connection line carefully. And make sure that all interfaces are normally connected. The common trouble shooting way shows below:

Serial NO	Trouble Description	Cause and Ways to deal with
1	Non-Power-Connected	<ol style="list-style-type: none">1、 Check if the power adaptor head is truly and correctly inserted the power socket.2、 Check the power switch if it is in on status.
2	No Picture	<ol style="list-style-type: none">1、 Pls to make sure that the TV is on and has been connected with the machine.2、 To check if the signal source is on and well connected.3、 Check the system connection quality.4、 Check if the line is all good quality.5、 Check the cable quality
3	Obscure Picture	<ol style="list-style-type: none">1、 To try again to connect the cable to be free from the unsuccessful connection.2、 HDMI Cable Quality(HDMI Standard cable)