Thank you for purchasing this product. for optimum performance and safety,please read the instructions carefully and keep the manual for future reference.

• Important Safety Notice

Please read below safety instructions carefully before installation and operation:

1. Do not mix up the transmitter unit (TX) and the receiver unit (RX) , IR blaster extension cable and IR receiver extension cable before installation.
2. Do not hot plug when it is working.
3. Use DC5V/2A power supply only. Make sure specification matched if using adapters not supplied by factory.
4. **This HDMI Extender supports POE to power the receiver(Connect power supply to the transmitter only, and receiver is powered by the Transmitter). Please note that this HDMI Extender can not use with switch or router.**
5. Static electricity will cause damage of the device, please do ESD protection when using the device.

• Product Introduction

This HDMI Extender includes a transmitter unit and a receiver unit, allows the HDMI signal to be transmitted up to 70 meters at 1080p resolution using a Cat6/6A/7 network cable. It adopts a point-to-point connection configuration, supports PoC to power the receiver, IR pass-back, EDID switch. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

• Product Features

1. Zero latency.
2. Support up to 4K@30Hz resolution.
3. Support CAT6/6A/7 network cables, 1080p@60Hz transmission distance is up to 70meters, 4K@30Hz transmission distance is up to 40 meters.
4. Support IR pass-back function (20～60KHz).
5. Support HDR10.
6. Support EDID switch for setting a very needed HDMI signal format.
7. Support PoC to power the receiver from transmitter.
8. Automatically adjusts parameters to match different network cables and achieve the best display performance.
9. Plug and play.

• Package contents



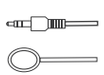
Transmitter unit
(Tx) ×1pc



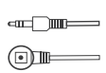
Receiver unit
(Rx) ×1pc



User manual×1pc



IR blaster
extension cable ×1pc



IR receiver
extension cable×1pc



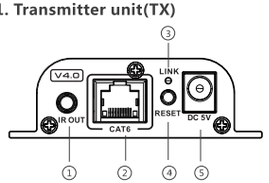
DC5V/2A x1pc

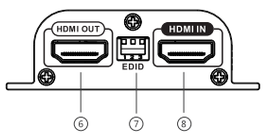
• Installation Requirements

1. HDMI source device(computer graphics card, DVD,PS3, HD monitoring equipment etc).
2. HDMI display device like SDTV, HDTV, projector with HDMI port.
3. UTP/STP CAT6/6A/7 cable, follow standard IEEE-568B.

• Penal Description

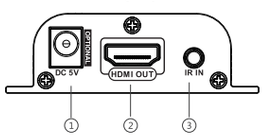
1. Transmitter unit(TX)

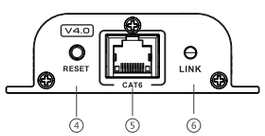




① IR signal output to connect with blaster extension cable
② RJ45 signal output
③ HDMI signal indicator led: it lights on all the time when HDMI signal input,flashes when no signal input
④ Reset butten
⑤ DC5V power input
⑥ HDMI signal output
⑦ EDID switch
⑧ HDMI signal intput

2.Receiver unit (RX)





① Power input: Spare power port (Powered by TX)
② HDMI signal output
③ IR signal input to connect with IR receiver extension cable
④ Reset
⑤ RJ45 signal input
⑥ RJ45 indicator led: it lights on all the time when HDMI signal transmission, flashes when no signal transmission

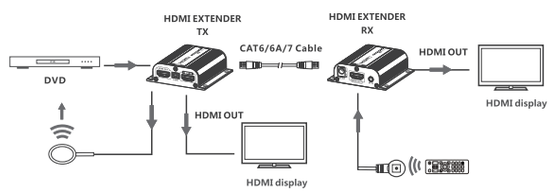
• Installation and Connection

1.How to make a CAT6/6A/7 network cable
Follow the standard of IEEE-568B



1. white and orange; 2. orange; 3. white and green;
4. blue; 5. white and blue; 6. green;
7. white and brown; 8. brown.

2.Connection



3.Connection instruction

3.1 Connect source device to Transmitter unit (TX), and display device to Receiver unit (RX) via HDMI cables
3.2 Connect Transmitter unit (TX) and Receiver unit (RX) via network cables (CAT6,CAT6A or CAT7)
3.3 Plug the power supply to Transmitter unit only, each unit will power up then initialize itself, this HDMI extender works

4. IR User Guide

4.1 IR blaster extension cable should plug in the IR OUT port of TX (Sender) of HDMI extender, and the IR receiver extension cable should plug in the IR IN port of the Video wall controller

4.2 The emitter of IR blaster should as close as possible to the IR receiver window of the signal source device.

4.3 Using the IR remote controller of the signal source device towards the IR receiver (connected to the Video wall controller), to remote control source media playback.

5.EDID Setting

5.1 First of all, set the resolution mode of the source device, please choose "AUTO" of the resolution mode. (However, when the resolution mode of your source device is "AUTO" already, and the output resolution (for instance, output is 720p) is still not in accord with the resolution that set by the EDID dip switch(for instance, it is 1080p). At this time, please set the resolution of your device again to make it in accord with the resolution that set by the EDID dip switch(e.g. 1080p)

5.2 HDMI source device reads the EDID information of the transmitter (TX) and then output the relative HDMI signal forma

5.3 It needs to power on again or reset the transmitter unit after re-setting EDID every time


Switch UP : use the Arabic numeral "1" to represent


Switch DOWN : use the Arabic numeral "0" to represent

Switch Status			Switch Status
1	2	3	
0	0	0	4K@30Hz，2.1CH
1	0	0	4K@30Hz，5.1CH
0	1	0	1080p@60Hz，HDR，7.1CH
1	1	0	1080p@60Hz，HDR，5.1CH
0	0	1	1080p@60Hz，2.1CH
0	1	1	1080p@30Hz，2.1CH
1	0	1	720p@60Hz，2.1CH
1	1	1	DVI 1080P

• FAQ

Q: No image output or audio and video display is not normal?

A: Press Receiver "LENGTH" button for adjusting this unit to self -adapt to the length of network cable.

Q: Receiver "LINK" led is flashing all the time?

A: 1) Make sure network cable connection follows the standard of IEEE- 568B.
2) Check whether Transmitter has HDMI signal input.
3) Reset Transmitter & Receiver and reconnect.

Q: Receiver "LINK" led lights on all the time but no image output?

A: 1) Press RX "RESET" button to reset the device.
2) Make sure HDMI cable is well connected with TV.
3) Make sure the network cable is fine copper wires.

Q: When the indicator light of the TX and RX are always on , but the 1080P monitor connected to the RX could not display?

A: Please just set the output resolution of the video source to be 1080P output only.

• Specification

Item	Specification
HDMI signal	HDMI 1.4
HDCP	HDCP 1.4
Support resolutions	800x600, 1024x768, 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840x2160@24/25/30Hz
Network cable	Low resistance and consumption oxygen-free copper core (CAT6、CAT6A、CAT7)
Transmit distance	1080p@60Hz CAT6≤70m 4K@30Hz CAT6≤40m
IR remote control	Support 20~60kHz wide frequency IR remote control
EDID	Support EDID setting function
Audio format	PCM、AC3、DTS
Working temperature	0℃～60℃
Power supply	DC5V/2A
Power consumption	TX+RX＜8W
Product dimension	71.6(L)×66.9(W)×22.6(H)mm *2pcs
Weight	TX: 79g RX: 79g
Color	Black

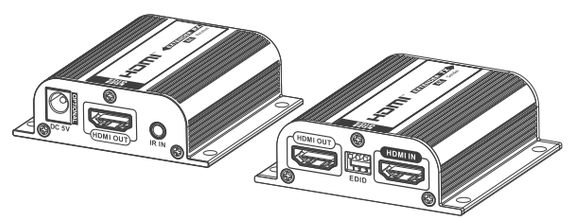
Disclaimer

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We reserve the rights to make changes without further notice to a product or system described herein to improve reliability, function or design.

User Manual

HDMI EXTENDER

EDID



HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE