

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) before installation.
2. Do not hot plug when it is working.
3. No extender power supply needed, use micro USB cable to power the transmitter, and receiver is powered from transmitter.
4. Please do not use other accessories to power this products.
5. If it is found that it's unstable when powered by USB cable directly, please add a 5V plug(with USB port) to connect with the USB cable ( USB to Micro cable 1m ) for power supply.
6. 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 (TX) and a receiver unit(RX), working as a pair. It allows for transmission and extension uncompressed full HD 1080p@60Hz HDMI signal via CAT6/6A/7 network cable, the transmission distance is up to 50 meters with zero latency. This product is perfect for AV transmission in applications of HD conference system, HD video shooting, HD multimedia education system, home entertainment and signage etc.

## • Product Feature

1. Portable size design.
2. Support HDMI1.3, compatible with HDCP1.2
3. Resolution supported is up to full HD 1080p@60Hz.
4. Use CAT6/6A/7 for long distance transmission up to 50 meters
5. Uncompressed and zero latency.
6. Micro USB cable for power, support receiver powered from

transmission.

7. Plug and play, without installation.

## • Package Contents



Transmitter unit (TX) x1pc



Receiver unit (RX) x1pc



User manual x1pc



USB to Micro cable x2pcs

## • 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

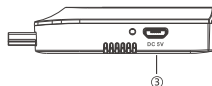
### 1. Transmitter unit(TX)



①



②



③

① RJ45 signal output	Connect with network cable
② HDMI input	Connect with the source device
③ Power input	Connect with the USB cable

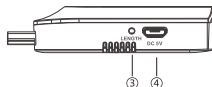
### 2.Receiver unit (RX)



①



②



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④

① RJ45 signal input	Connect with network cable
② HDMI output	Connect with the display device
③ LENGTH button	For adjusting the unit to self-adapt to the length of network cable
④ Power input	Connect with the USB cable (optional)

Remarks: Users can press button" Length" to adjust transmission distance of this device automatically or manually. If users do not press this button when power on, then the device will work like last time because of memory function. If users press this button after power, on, the first two press will make the device adjust the distance according to the network cable length automatically. After this two press, if users continue to press this button, then will go to the mode of adjusting transmission distance manually. There is 10 levels totally and adding one more press means a new level. When users finish the 10 levels adjusting manually it will be back to adjust transmission distance automatically mode and into the new loop.

## • Installation and Connection

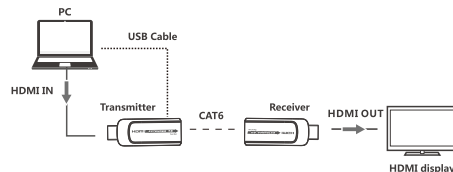
1. How to make a CAT6/6A/7 network cable

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

- 1) Plug the transmitter unit (TX) to the HDMI output port of the source device directly, and plug the receiver (RX) to the HDMI input port of the display device directly.
- 2) Connect Transmitter unit (TX) and Receiver unit (RX) via network cables (CAT6,CAT6A or CAT7).
- 3) Connect the USB cable to Transmitter unit only, each unit will be powered up, this HDMI extender works .

**[NOTE]** It is recommended to use a length range within 15~50m network cable. If the CAT6 cable is too short, there may be no display output because of the signal is too strong. If the CAT6 cable is too long, the output may be with poor quality.

### • 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:** No image output?

- A:** 1) Please make sure that the network cable is made according to the standard of IEEE-568B.
- 2) Check and make sure there is HDMI signal input to the transmitter.
  - 3) Press Receiver "LENGTH" button to adjust this unit to self-adapt to the length of network cable.
  - 4) Make sure the network cable is fine copper wires.

### • Specification

Items	Specification
Power supply	No power supply attached, use micro usb cable to power transmitter

HDMI performance and interface	HDMI compliance	HDMI1.3
	HDCP compliance	HDCP1.2
	HDMI resolution supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz
	Supports audio formats	L/R stereo audio
	Maximum transfer rate	6.75Gbps
	Audio signal transmission format	L/R stereo audio
	Input and output TMDS signal	0.5 ~ 1.5Vp-p(TMDS)
	Input and output DDC signal	5Vp-p(TTL)
Protection level	Electrostatic protection of the whole machine	1a Contact discharge level 3
		1b Air discharge level 3
		Standard: IEC61000-4-2
Operating environment	Working temperature	0 ~ 50°C
	Storage temperature	-10 ~ 70°C
	Humidity (no condensation)	0 ~ 90%
Body properties	Dimension	71.35(L) x 25.9(W) x 11.05(H)mm
	Material	ABS plastics
	Color	Black
	Weight	TX:10g RX:10g

### Disclaimer

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## HDMI EXTENDER

### User Manual

