

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. Please do not use other accessories to power this products.
4. 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 for power supply.

## • 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 40 meters (131 feet) 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 40m (131 feet). If using CAT5e networking cable signals can be transmitted up to 25m (82 feet).
5. Uncompressed and zero latency.
6. Micro USB cable for both TX and RX.
7. Plug and play.

## • Package Contents



Transmitter unit (TX) ×1pcs



Receiver unit (RX) ×1pcs



User manual ×1pcs



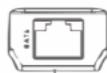
USB Cable ×2pcs

## • 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



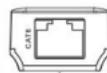
③

① RJ45 signal output Output encoded HDMI signal

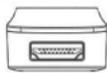
② HDMI input Connect with the source device

③ Power input Connect with the USB cable

### 2.Receiver unit (RX)



①



②



③

④

① RJ45 signal input Input encoded HDMI signal

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 to tally 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

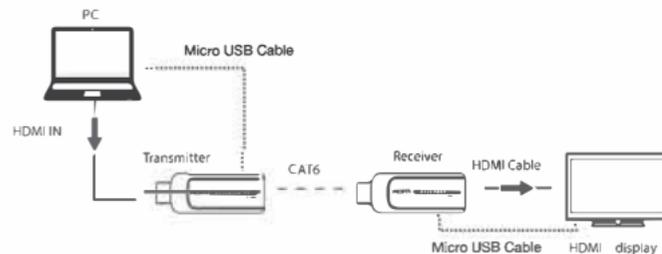
1. How to make a CAT6/6A/7 network cable

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

It is recommended to use a length range within 15-50m (45 - 160 feet) CAT6 networking 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. If using CAT5e networking cable signals can be transmitted up to 25m (82 feet).

- 1) Plug the transmitter unit (TX) to the HDMI output port of the source device (Digital Cable Box, BlueRay® Player) directly, and plug the receiver (RX) (HDTV) 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 (1) of the Micro USB to A Power Cables to the HDMI Transmitter (TX) unit and to a USB jack on the source device. Then, plug the other Micro USB to USB A Power Cable into the Extender Receiver Unit (RX) and the USB jack on the Display (HDTV).

NOTE: You may find that the extender can work off of only a single side being powered by the USB cable. For a more reliable and stable connection, applying power to both ends is recommended.

### • 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 HDMI cable is well connected with TV.

5) 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

### MONSTER

MonsterProducts.com

www.justhookitupcables.com

Made in China

Manufactured and distributed under license from Monster by Vanco International,

Batavia, IL 60510 USA

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	10.2Gbps
	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)
	Input cable length supported	≤5m(AWG26 HDMI1.3cable standard)
	Output cable length supported	≤5m(AWG26 HDMI1.3cable standard)
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
Reliability	Mean time between failures (MTBF)	>30000 Hours

### Disclaimer

The product name and brand name may be registered trademark of related manufacturers. TM and ® may be omitted on the user manual.

The pictures on the user manual are just for reference, and there may be some slight difference with the real products.

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

## HDMI EXTENDER over Single Cat 6 Cable

User Manual

JHIU0088

