

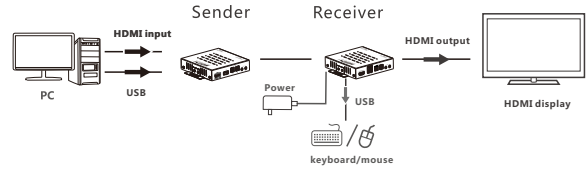
**• Installation Procedures**

**1. To make a Cat6/6A/7 network cable**  
Follow the standard of IEEE-568B:



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

**2. Connections**



**[ NOTE ]** : It is recommended to power from the receiver unit

**3. Bi-directional IR pass back**

- 1) It supports bi-directional IR pass back. User can control DVD at RX end and control TV at TX end.
- 2) If control at RX end, please connect IR blaster extension cable with IR OUT of TX and connect IR receiver extension cable with IR IN of RX. If control at TX end, please connect IR receiver extension cable with IR IN of TX and connect IR blaster extension cable with IR OUT of RX.



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**• FAQ**

- Q: No output on screen?  
A: 1) Firstly, please check and make sure the power supply is connected well. Then, check and make sure all cables are connected correctly.  
2) Please check and make sure the right HDMI input port of the TV/ screen has been chosen.  
3) Please check and make sure there is HDMI signal to be fed into transmitter unit, and check and make sure the receiver unit has been connected well with the display device.
- Q: Data transmission indicator flashes and no output?  
A: Check and make sure the HDMI display device has been switched to the right HDMI input channel.
- Q: Connection indicator keeps off?  
A: Check whether the TX's HDMI IN has signal input and make sure RX's OUT is well connected with HDMI display.
- Q: Output image with snow point?  
A: Change the HDMI cable between the transmitter unit and the source device, it will be better to use a shorter HDMI cable for re-testing.

**• Specification**

Items	Specifications	
HDMI signal	Support HDMI2.0 HDCP2.2, support CEC and 24bits deep color	
Resolution Supported	480i/480P/576i/576P/720P/1080i/1080P/3D/3840×2160	
Audio	LPCM, DTS Digital, Dolby Digital	
Network cable	CAT6、CAT6A、CAT7	
Transmission length	CAT6	70m
	CAT6A	70m
	CAT7	70m
	1080p@60Hz, 1080p@60Hz 3D, 3840×2160@60Hz	
IR control	Support 20~60kHz wide frequency devices and Bi-directional IR transmission	
Working temperature	0 ~ 55°C	
Storage temperature	-10 ~ 70°C	
Humidity	0 ~ 90%(no condensation)	
Power supply	DC12V/2A x1pcs	
Power consumption	TX: <6W; RX: <8W	
Product dimension	109.49(L)x87.0(W)x23.4(H)mm	
Material	Iron alloy material	
Weight	TX:240g RX:240g	
Color	Black	

**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 herein to improve reliability, function or design.

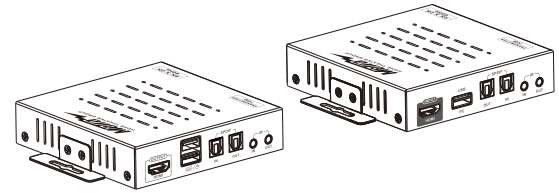


**HDMI HDBaseT KVM Extender**

**CS-HDBTP2UKA-70**

**User manual**

**4Kx2K  
60Hz**



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

Please read below safety instructions carefully before installation and operation:

1. Please pay attention to all the warnings and hints on this device.
2. Do not expose this unit to rain, moisture and liquid.
3. Do not put any stuff into the device.
4. Do not repair or open this device without professional people's guidance.
5. Shut off power and make sure environment is safe before installation.
6. Do not plug-in/out the connected cables when it is in using.
7. Use DC12V/2A. Make sure the specification matched if using 3<sup>rd</sup> party DC adapters.

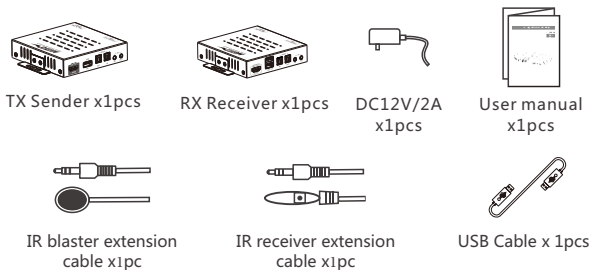
## • Introduction

This HDBaseT single network cable KVM extender transmits HDMI signal up to 70 meters over cat6 fluently and clearly. It is lossless in signal and supports 3D, 24bits deep color, 4kx2k, CEC, HDCP and ultra HD 4KX2K@60Hz. It allows access to a computer system from a remote console by USB connectors(USB keyboard and mouse). ARC (Audio Return Channel) function enables audio from a compatible display to be routed back from the receiver unit to the transmitter. This product supports to power over network cable, just connect the power adapter with the receiver unit, can keep this device working well. It's a perfect solution for audio&video transmission in applications of HD conference system, HD multimedia education system, HD digital advertising and signage etc.

## • Features

1. Support bi-directional IR pass back.
2. Uncompressed HDMI video signal.
3. Supported resolution is up to ultra HD 4Kx2K@60Hz.
4. Support HDBaseT2.0, HDCP2.2 ,CEC, 24 deep color.
5. Support LPCM, DTS-HD and Dolby True HD audio.
6. Support KVM function, remote control conveniently
7. Transmit 4Kx2K@60Hz signal over cat6 up to 70 meters.
8. Can be powered by network cable. It only needs to connect the 12V power on the receiver unit, both transmitter and receiver start work.
9. Support ARC function.

## • Package Contents



## • Installation Requirements

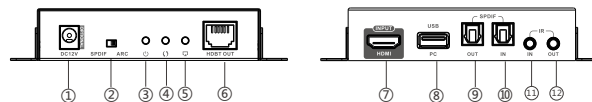
1. HDMI source devices: with HDMI OUTPUT interface, DVD, PS3, STB, PC etc.
2. Display devices : With HDMI INPUT port, SDTV, HDTV, projector

## 3. Network cables :

UTP/STP Cat6/Cat6A/Cat7 network cables, which following the standard of IEEE-568B.

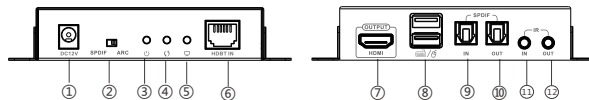
## • Panel Description

### 1. TX Sender



①	Power input	Connect with DC12V/2A power adapter(optional)
②	SPDIF/ARC switch	SPDIF: bi-directional SPDIF audio ARC: Audio Return Channel
③	Power indicator	LED indicator turn on when power on
④	Data transmission indicator	It turns on when the transmitter unit and the receiver unit connect well with each other, and it flashes when there is no transmission between the transmitter unit and the receiver unit.
⑤	Connection indicator	It flashes when the receiver unit connected well with the HDMI display device, and it turns off when no transmission between the receiver unit and the display device.
⑥	HDBT Output	To connect with receiver by network cable
⑦	HDMI input	Connect with HDMI source device
⑧	USB port	To connect with PC
⑨	SPDIF audio output	Connect with optical cable
⑩	SPDIF audio input	Connect with optical cable
⑪	IR receiver extension cable interface	Connect with IR receiver extension cable. Please make sure the remote control is within the required range of IR receiver
⑫	IR blaster extension cable interface	Connect with IR blaster extension cable. Please put the IR blaster close to source device to best transmit the IR signal from receiver

### 2. RX Receiver



①	Power input	Connect with DC12V/2A power adapter
②	SPDIF/ARC switch	SPDIF: bi-directional SPDIF audio ARC: Audio Return Channel
③	Power indicator	LED indicator turn on when power on
④	Data transmission indicator	It flashes when the receiver unit connected well with the HDMI display device, and it turns off when no transmission between the receiver unit and the display device.
⑤	Connection indicator	It turns on when the transmitter unit and the receiver unit connect well with each other, and it flashes when there is no transmission between the transmitter unit and the receiver unit.
⑥	HDBT input	To connect with transmitter by network cable
⑦	HDMI output	Connect with HDMI display device
⑧	USB port	To connect with keyboard/mouse
⑨	SPDIF audio output	Connect with optical cable
⑩	SPDIF audio input	Connect with optical cable
⑪	IR receiver extension cable interface	Connect with IR receiver extension cable. Please make sure the remote control is within the required range of IR receiver
⑫	IR blaster extension cable interface	Connect with IR blaster extension cable. Please put the IR blaster close to source device to best transmit the IR signal from receiver