

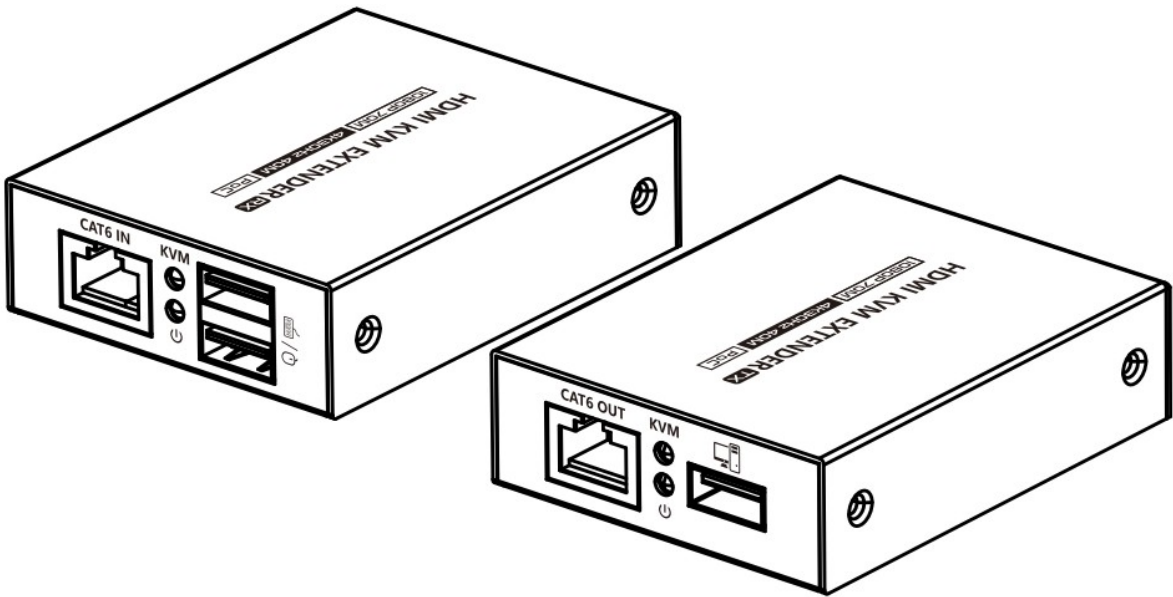


eiratek ER2663KVM HDMI KVM Extender User Manual

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A Step Ahead
UserManual
HDMIKVMEXTENDER
HDMIKVMEXTENDEROVERCAT6(70M)POC



ER2663KVM



HIGH-DEFINITION MULTIMEDIA INTERFACE

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Important Safety Notice

1. Do not disassemble the device to repair during the working process to avoid electric shock.
2. Please cut off the power before installation. Live installation may damage the equipment.
3. Do not expose the device to rain, moisture and liquid.
4. Use a 5V/2A DC adapter only. Make sure the specification matches if using 3rd party DC adapters.

Introduction

This HDMI KVM Extender includes a transmitter and a receiver, 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 KVM. It is perfect for outdoor advertising, monitor system, home entertainment, conference, etc.

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 70 meters, 4K@30Hz transmission distance is up to 30 meters.
4. Support KVM function.
5. Support HDR10.
6. Support PoE network cable power supply, only TX power supply is needed.
7. Automatically adjust parameters to match different network cables and achieve the best display performance.
8. Plug and play.

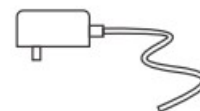
Package Contents



Transmitter
x1pc



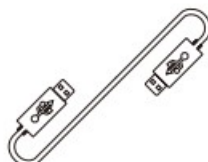
Receiver
x1pc



5V/2A
x1pc



User manual
x1pc



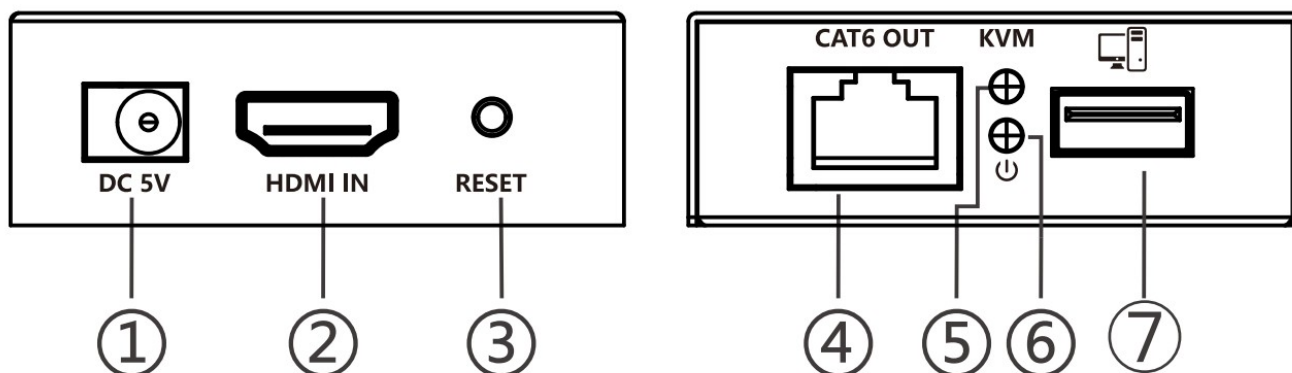
USB Cable
x1pc

Installation Requirements

1. HDMI sourced device (DVD, game console, settopbox, PC, etc.)
2. HDMI display device like TV, projector with HDMI port.
3. UTP/STP Cat6/6A/7 cable, follow standard IEEE-568B.

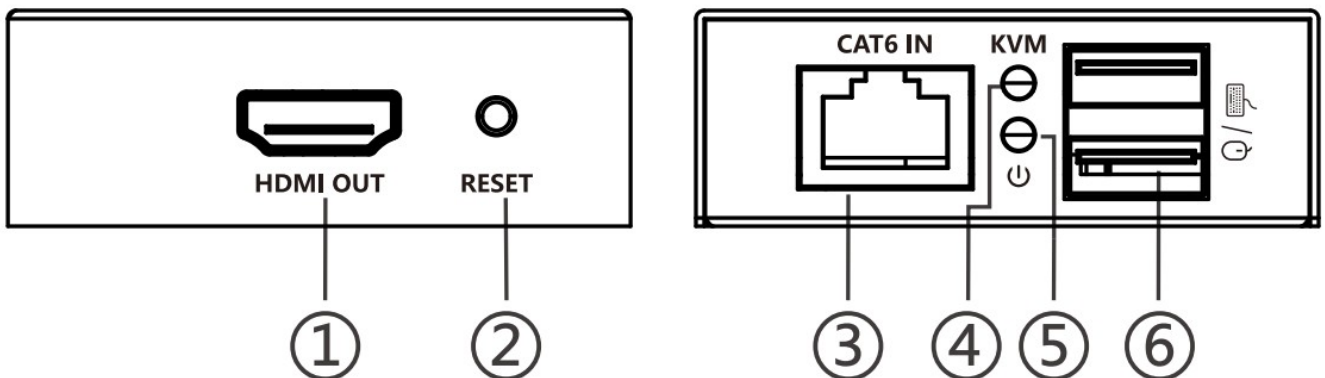
Interfaces

1. Transmitter (TX)



1	DC5V	Connectwith5V/2Apoweradapter
2	HDMIInput	ConnectwithHDMI sourcedevice
3	ResetButton	Pressthebutton to restart the device
4	RJ45Output	ConnectwithCAT6/6A/7networkcable
5	KVMIndicator	a)Lightoff:theUSBportandthecomputerhave notestablishedaconnection b)Steadyon:theUSBportisconnectedtothecomputer,butnoKVMdataistransmitted c)Lightflash:theKVMdataistransmitting
6	PowerIndicator	a)Lightflash:itispoweredon,butnovideodataistransmitted b)Steadyon:thevideodataistransmitting
7	USB-APort	ConnecttothecomputerwithUSBcable

2. Receiver (Rx)



1	HDMIOutput	ConnectwithHDMI displaydevice
2	ResetButton	Pressthebutton to restart the device
3	RJ45Input	ConnectwithCAT6/6A/7networkcable
4	KVMIndicator	a)Lightoff:theUSBportandthecomputerhave notestablishedaconnection b)Steadyon:theUSBportisconnectedtothecomputer,butnoKVMdataistransmitted c)Lightflash:theKVMdataistransmitting
5	PowerIndicator	a)Lightflash:itispoweredon,butnovideodata istransmitted b)Steadyon:thevideodataistransmitting
6	USB-APort	Connecttothemouseandkeyboard

InstallationProcedures

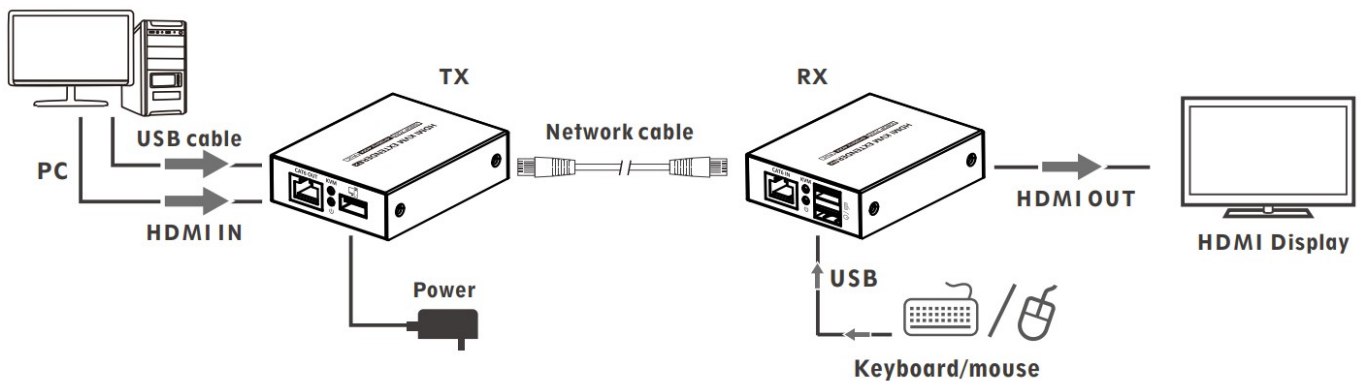
1. Thenetworkcables should follow the standard of IEEE-568B. It is

recommended to select a network cable with less loss and crosstalk.



1. Orange/white
2. Orange
3. Green/white
4. Blue
5. Blue/white
6. Green

2.Connection



3.Connection instruction

1. Connect the HDMI port of the source device to the HDMI IN port of the transmitter via an HDMI cable.
2. Connect the CAT6 OUT port of the transmitter and the CAT6 IN port of the receiver via a network cable.
3. Connect the HDMI port of the display device to the HDMI OUT port of the receiver via an HDMI cable.
4. Use the USB cable to connect the computer to the transmitter, and connect the mouse and keyboard to the USB port of the receiver.
5. Plug the power into the device to get started.

FAQ

Q Why there is no image/image or sound is not played smoothly?

A Press the "RESET" button of the receiver to restart the device. 12 Reconnect the devices with a shorter network cable.

Q Why does the power indicator always flash?

A 1 Check whether the network cable is using IEEE-568B wiring standards.

2 Check whether the source device and the transmitter are connected well.

3 Reset the transmitter or receiver and connect it again.

Q Why does the receiver's power indicator stay on but there is no image output?

A 1. Press the "RESET" button of the receiver to restart the device.

2. Check whether the display device and the receiver are connected well.

3. Reconnect the network cable or re-power the receiver.

Specification

Items		Specification
Power Supply	Voltage/Current	DC5V/2A (only TX power supply is needed)
	Power consumption	TX+RX 10W
HDMI Performance and Interface	HDMI compliance	HDMI 1.4
	HDCP compliance	HDCP 1.4
HDMI Performance and Interface	HDMI resolution	800×600, 1024×768, 1280×720, 1280×960, 1366×768, 1440×900, 1680×1050, 1920×1080, 480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60Hz, 3840×2160@24/25/30Hz
	Audio formats	DTS, DTS-HD, PCM, LPCM
	HDR	Supported
	Input and output TMDS signal	0.7-1.2Vp-p(TMDS)
	Input and output DDC signal	5Vp-p(TTL)
Transmission Distance	Cat6/6A/7	1080p@60Hz transmission 70 meters 4K@30Hz transmission 40 meters
Protection Level	ESD	Implementation of the standard: IEC61000-4-2 1a Contact discharge level 2 (±4KV 1 b Air discharge level 3 (43KV)
Operating Environment	Working temperature	-20-60°C
	Storage temperature	-30-70°C
	Humidity (no condensation)	0-900/0RH
Body Properties	Dimension	75.0(L) x 60.0(W) x 20(H) mm
	Weight	Tx: 123g RX: 123g
	Color	Black

Disclaimer

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

The pictures in this user manual are just for reference. The terms HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

Wereservetherightstomakechangeswithoutfurthernoticetoaproduct
orsystemdescribedhereintoimprovereliability,functionordesign.



Documents / Resources

	eiratek ER2663KVM HDMI KVM Extender [pdf] User Manual er2663kvm_hdmi_kvm_extender_over_cat6_70m_poc_user_manual.pdf, er2663kvm_hdmi_kv m_extender_over_cat6_70m_poc_user_manual.cdr, ER2663KVM, ER2663KVM HDMI KVM E xtender, HDMI KVM Extender, KVM Extender, Extender
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