


J-Tech Digital JTECH-KVE2 4K USB KVM HDMI Extender



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J-Tech Digital JTECH-KVE2 4K USB KVM HDMI Extender



Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Introduction

The 4K HDMI KVM Extender—Extend USB Keyboard, Mouse, and HDMI video signals up to 328ft (100m) over CAT6/6a/7 cable, and you can display them on 3 compatible monitors. You can use 2 USB ports on the Receiver (RX) to control your PC at a remote location.

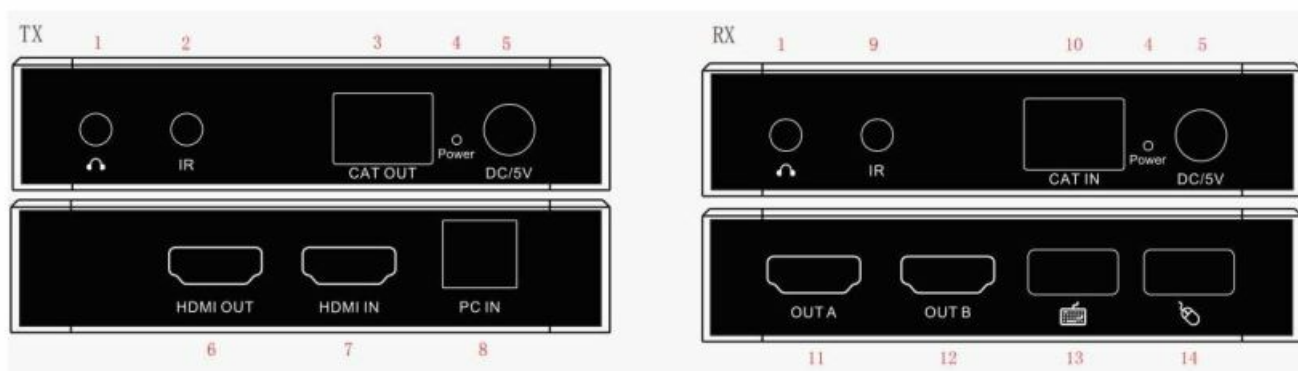
Features

1. Support HDMI1.4 and HDCP1.4.
2. Supports uncompressed data transmission at 4K @30Hz with near-zero latency.
3. Supports PCM, LPCM, Dolby, and DTS audio formats
4. Supports 3.5MM audio output on TX & RX.
5. Equipped with an HDMI Loop-out on the TX for a local display, and 2 HDMI output on the RX.
6. Equipped with 2 USB ports on the Receiver (RX) to control your PC at a remote location with a USB keyboard and mouse.
7. Supports IR control

Specifications

Bandwidth	10.2 Gbps
Input	TX:1* HDMI,1* PC, RX:1* HDMI,1* RJ45,1*IR
Output	TX:1* RJ45,1*3.5mm(audio out),1*HDMI(Loop out),1*IR RX:2* HDMI,1*USB Type A,1*USB Type B,1*3.5mm(audio out)
Max resolution	4k@30Hz
Transmission range	328ft (100m) over CAT6
Audio support	PCM, LPCM, Dolby, DTS
Power Supply	DC 5 V 2 A
ESD Protection Human Body Model:	± 8kV (air-gap discharge) ± 4kV (contact discharge)
Operating Temperature	0°C ~ 40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4°F ~ 140°F
Relative Humidity	20 ~ 90% RH (Non-condensing)
Power Consumption (Max)	20W
Housing	Aluminum alloy
Dimension (L x W x H)	130x100x22(mm)
Weight	TX:260(g) RX:250(g)

Operation Controls and Functions



1. Audio output
2. IR output
3. RJ 45 output for cat6
4. power indicator
5. 5V2A power input
6. Local HDMI output
7. HDMI input
8. USB input from PC
9. IR input
10. RJ 45 input for cat6
11. HDMI Output A
12. HDMI Output B
13. USB for keyboard input
14. USB for mouse input

Connecting and Operating

1. Connect one HDMI cable between the source device and the TX Extender, and another HDMI cable between the display device and the RX Extender.
2. Connect single cat-6 cables between TX and RX Extender, the max cable distance is 100 meters.
3. Connect 5V/2A power supply to the TX and RX.
4. Plug the mouse and keyboard into the port of the receiver, and connect the port of the transmitter with the computer if you need the KVM control function.
5. Plug the 3.5mm audio ports when you want to use earphones.
6. LED indicator light: Turn it on, and the power light is red; when there is a signal input, the yellow light in the RJ45 flashes.

Packing list

- HDMI KVM CAT6 Extender (TX & RX units)
- IR cables(Transmitter & Receiver)
- 2x Power adapter(5V/2A)
- 1x Operation Manual
- 1x USB cable

Connection diagram



Frequently Asked Questions

What is the maximum resolution supported by the J-Tech Digital JTECH-KVE2 4K USB KVM HDMI Extender?

The JTECH-KVE2 supports up to 4K resolution over HDMI 1.4, ensuring high-quality video transmission.

Can the JTECH-KVE2 extend signals over distances longer than 100 meters?

Yes, the J-Tech Digital JTECH-KVE2 can extend HDMI signals up to 328 feet (100 meters) over Cat6/6a/7 Ethernet cables at 1080P resolution.

Does the J-Tech Digital JTECH-KVE2 support HDCP 1.4?

Yes, the JTECH-KVE2 is compatible with HDCP 1.4, ensuring compatibility with a wide range of HDCP-protected content.

How many USB devices can be connected to the JTECH-KVE2?

The J-Tech Digital JTECH-KVE2 includes 2 USB 2.0 ports for connecting peripherals such as keyboards and mice.

Is there any latency in the signal transmission with the J-Tech Digital JTECH-KVE2?

The JTECH-KVE2 boasts near-zero latency, making it ideal for real-time applications and gaming.

What type of Ethernet cable is recommended for use with the J-Tech Digital JTECH-KVE2?

For optimal performance, it's recommended to use Cat6, Cat6a, or Cat7 Ethernet cables with the JTECH-KVE2.

Can the J-Tech Digital JTECH-KVE2 be used for remote desktop applications?

Yes, the JTECH-KVE2 is suitable for remote desktop applications due to its KVM functionality, allowing control over a PC from a distance.

What are the power requirements for the J-Tech Digital JTECH-KVE2?

The JTECH-KVE2 requires an external power source, typically provided by the included power adapters.

Is the J-Tech Digital JTECH-KVE2 compatible with all operating systems?

The JTECH-KVE2 is generally compatible with most operating systems, but it's always best to check the specific requirements for your setup.

Does the J-Tech Digital JTECH-KVE2 support audio transmission?

Yes, the JTECH-KVE2 supports audio transmission along with video through its HDMI interface.

Can the J-Tech Digital JTECH-KVE2 be used in a commercial environment?

The JTECH-KVE2 is suitable for both home and commercial environments, including offices and conference rooms.

Is there any special software required to use the J-Tech Digital JTECH-KVE2?

No special software is needed to use the JTECH-KVE2, as it is designed to be plug-and-play.

How does the J-Tech Digital JTECH-KVE2 handle 4K video transmission?

While the JTECH-KVE2 can handle 4K video, the maximum transmission distance might be reduced compared to 1080P signals.

Can I connect multiple JTECH-KVE2 extenders in a daisy chain?

The J-Tech Digital JTECH-KVE2 does not natively support daisy chaining. Each extender operates independently.

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References

- [User Manual](#)