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Zunate Zunategyxdmqp2wr-13

Zunate USB HDMI KVM Extender User Manual

Model: Zunategyxdmqp2wr-13

Brand: Zunate

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Zunate USB HDMI KVM Extender. This device allows you to extend HDMI video signals and USB keyboard/mouse control over a single Cat5e/6/6a/7 cable up to 60 meters (197 feet), supporting resolutions up to 4K at 60Hz. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

Product Features

- **Enhanced Performance:** Extends HDMI and USB KVM signals up to 60 meters (197 feet) over a single Cat5e/6/6a/7 cable, supporting stereo sound.
- **Lossless Audio and Video Transmission:** Supports 4K@60Hz resolution for high-level visual effects and an immersive viewing experience. Includes 3D HD Loop Out function for smooth operation.
- **USB Keyboard and Mouse Control:** Enables remote control of your computer using a USB mouse and keyboard, facilitating access to applications and files.
- **Wide Applications:** Suitable for residential use, retail displays, HDTV shows, factories, data centers, conferences, schools, businesses, conference room presentations, and multimedia home theaters.
- **High Compatibility:** Compatible with PCs, game consoles, players, and multimedia devices, offering versatility for various setups.

Package Contents

Please verify that all items are present and in good condition upon opening the package.

- 1 x KVM HDMI Extender Transmitter Unit
- 1 x KVM HDMI Extender Receiver Unit
- 2 x Power Adapters (US Plug)
- 1 x User Manual



Image: Zunate KVM Extender Transmitter and Receiver units.

Specifications

Specification	Value
Model Number	Zunategyxdmqp2wr-13
Material	Aluminum Alloy
HDMI Input Resolution	4K@60Hz, 1080p, 720p, 576p, 576i, 480p, 480i
HDMI Output Resolution	4K@60Hz, 1080p, 720p, 576p, 576i, 480p, 480i
Maximum Transfer Bandwidth	340MHz
Maximum Output Rate	Not specified

Specification	Value
HDMI Input/Output Cable Length	≤10m AWG26 Standard HDMI Cable
Video Signal Input	0.5-1.5 Volts p-p
DDC Signal Output	5 Volts p-p (TTL)
Extension Distance	Up to 60m (197ft) over Cat5e/6/6a/7 cable

Setup Instructions

Follow these steps to set up your KVM Extender:

1. **Connect the Transmitter (TX) Unit:**
    - Connect your source device (PC, game console, media player) to the HDMI **Input** port of the Transmitter unit using an HDMI cable.
    - Connect a USB cable from your source device to the USB-PC port on the Transmitter unit.
    - (Optional) If using the HDMI Loop Out feature, connect a local display to the HDMI **Output** port of the Transmitter unit.
    - Connect one end of a Cat5e/6/6a/7 Ethernet cable to the **CAT6/E/6** port on the Transmitter unit.
2. **Connect the Receiver (RX) Unit:**
    - Connect the other end of the Cat5e/6/6a/7 Ethernet cable from the Transmitter unit to the **CAT6/E/6** port on the Receiver unit.
    - Connect your remote display (monitor, TV) to the HDMI **Output** port of the Receiver unit using an HDMI cable.
    - Connect your USB keyboard to the **Keyboard** USB port on the Receiver unit.
    - Connect your USB mouse to the **Mouse** USB port on the Receiver unit.
3. **Power On:**
    - Connect the provided power adapters to the 5V power input ports on both the Transmitter and Receiver units.
    - Plug the power adapters into electrical outlets. The PWR indicator lights should illuminate.
4. **Verify Connection:**
    - Ensure all cables are securely connected.
    - Power on your source device and remote display. The extended video and KVM control should now be active.



Image: Close-up of the KVM Extender units, showing USB and KVM ports.



Image: Transmitter unit ports including HDMI In/Out, USB-PC, and Ethernet.

Operating Instructions

Once the KVM Extender is set up, operation is straightforward:

- **Power On/Off:** The units will power on automatically when connected to power. Disconnect power to turn off.
- **KVM Control:** Use the keyboard and mouse connected to the Receiver unit to control the source computer connected to the Transmitter unit.
- **Video Display:** The video signal from the source will be displayed on the remote monitor connected to the Receiver unit. If a local display is connected to the Transmitter's loop out, it will also show the same video.
- **Plug and Play:** The device is designed for plug-and-play functionality, requiring no additional driver installation for basic KVM extension.



Image: KVM Extender in use, demonstrating remote control capabilities.



Image: KVM Extender ensuring lossless video and audio transmission.

Maintenance

To ensure the longevity and optimal performance of your KVM Extender, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the units. Avoid using liquid cleaners or aerosols, which may damage the device.
- **Environment:** Keep the device in a cool, dry place, away from direct sunlight, heat sources, and excessive moisture.
- **Cable Management:** Ensure all cables are neatly organized and not under strain to prevent damage to ports or cables.
- **Power:** Always use the provided power adapters. Disconnect power during electrical storms or when the device will be unused for extended periods.

Troubleshooting

If you encounter issues with your KVM Extender, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
No video on remote display.	◦ Check if both Transmitter and Receiver units are powered on. ◦ Ensure all HDMI cables are securely connected and not damaged. ◦ Verify the Cat5e/6/6a/7 cable is properly connected and within the 60m limit. ◦ Try a different HDMI cable or Cat cable. ◦ Ensure the source device and display are powered on and set to the correct input.
Keyboard/Mouse not responding.	◦ Check USB cable connections from the source PC to the Transmitter and from the keyboard/mouse to the Receiver. ◦ Ensure the keyboard and mouse are standard USB devices. Some specialized gaming peripherals may not be fully supported. ◦ Try connecting the keyboard/mouse directly to the PC to confirm they are functional.
Intermittent video or signal loss.	◦ Check the quality and length of the Cat5e/6/6a/7 cable. Use a high-quality cable, preferably Cat6 or Cat7, especially for longer distances. ◦ Ensure there are no strong electromagnetic interference sources nearby. ◦ Verify power connections are stable.
Picture quality is poor or distorted.	◦ Ensure the HDMI cables are rated for the resolution you are using (e.g., High-Speed HDMI for 4K). ◦ Check the display settings on your source device to match the capabilities of your remote display. ◦ Reduce the resolution if the cable length is near the maximum limit.

Warranty and Support

Zunate products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your product or contact Zunate customer support.
If you require technical assistance or have questions not covered in this manual, please visit the official Zunate website or contact their customer service department for further support.

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