

TRENDnet TK-232DV

TRENDnet TK-232DV 2-Port Dual Monitor DVI KVM Switch User Manual

MODEL: TK-232DV

1. Introduction

The TRENDnet TK-232DV is a 2-Port Dual Monitor DVI KVM Switch designed to allow control of two computers using a single set of console controls. This device supports dual DVI-I monitors and offers high-definition resolutions up to 1920 x 1200 (digital) and 2048 x 1536 (analog). It also integrates a 2-port USB 2.0 hub for sharing peripherals such as storage devices or printers between connected computers. Audio support is included with 3.5mm speaker and microphone connections.

2. Package Contents

Verify that all items are present in the package:

- TK-232DV KVM Switch Unit
- Quick Installation Guide
- Power adapter (9V DC, 2A)

3. Setup and Installation

Follow these steps to properly set up your KVM switch. Ensure all computers are powered off before beginning the installation process.

KVM

Connection Interfaces



Connections to PC

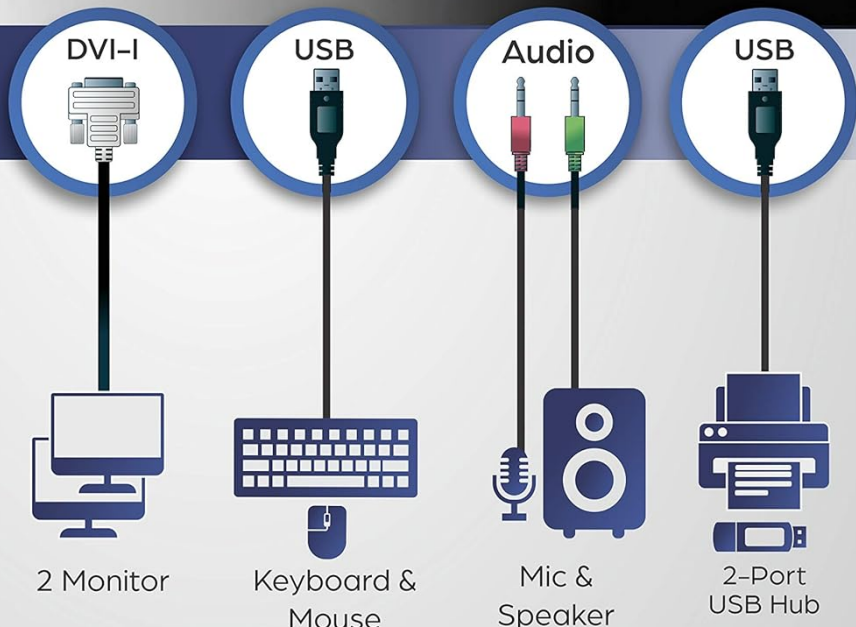
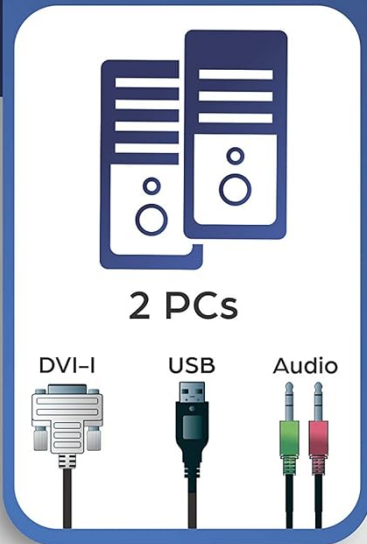


Image 3.1: KVM Connection Interfaces. This diagram illustrates how to connect two PCs to the KVM switch using DVI-I for monitors, USB for keyboard/mouse, and audio cables for speakers/microphone.

1. **Connect Console Devices:** Connect your DVI-I monitors, USB keyboard, USB mouse, speakers, and microphone to the corresponding ports on the KVM switch's console side.
2. **Connect Computers:** For each computer (PC1 and PC2):
 - Connect two DVI-I cables from the computer's video outputs to the 'PC A' and 'PC B' DVI-I input ports for that computer on the KVM switch.
 - Connect a USB 2.0 Type B cable from the computer's USB port to the corresponding USB 2.0 Type B input port for that computer on the KVM switch.
 - Connect 3.5mm audio cables from the computer's speaker and microphone jacks to the corresponding audio input ports for that computer on the KVM switch.
3. **Connect USB Peripherals (Optional):** If you wish to share additional USB devices (e.g., flash drives, printers), connect them to the USB HUB ports on the KVM switch.
4. **Connect Power Adapter:** Plug the included 9V DC power adapter into the KVM switch's power input and then into an electrical outlet.

5. **Power On:** Power on the KVM switch, then power on your connected computers. The KVM switch should automatically detect the active computer.



Image 3.2: Rear Panel Connections. This image provides a detailed view of the rear panel of the TK-232DV, highlighting the DVI-I console ports, DVI-I computer ports, USB 2.0 Type B inputs, USB share ports, and audio jacks for clear connection guidance.

Note: Required cabling (DVI-I, USB, Audio) is sold separately. Ensure you use appropriate DVI-I cables for optimal video quality.

4. Operating Instructions

The TRENDnet TK-232DV KVM switch offers multiple methods for switching between connected computers.

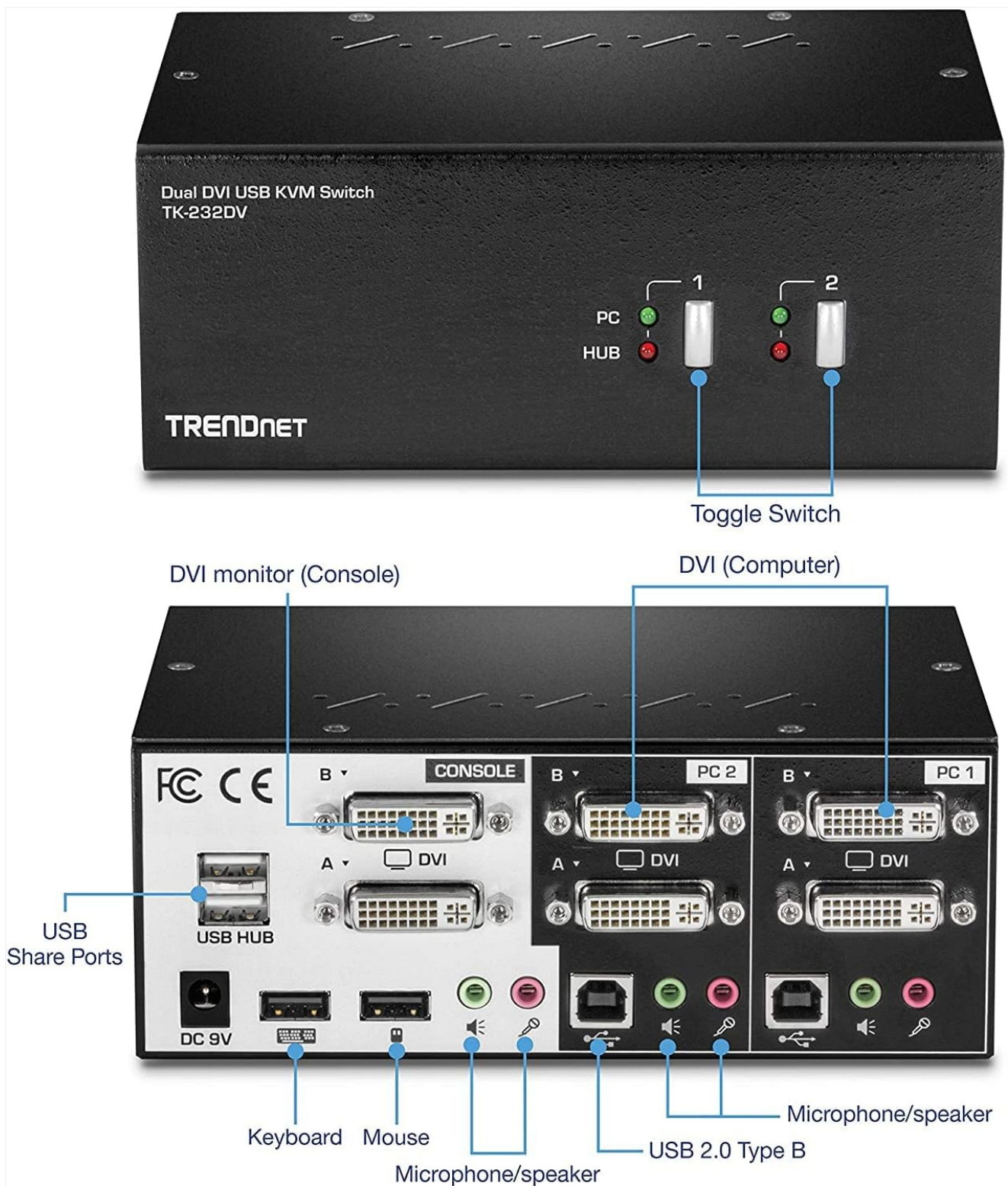


Image 4.1: Switch Modes. This image illustrates the two primary methods for switching between connected PCs: using the front panel buttons or executing keyboard hot-key commands.

4.1. Front Panel Switching

Press the corresponding 'PC' button on the front panel of the KVM switch to select the desired computer. The LED indicator above the button will illuminate to show which computer is currently active.

4.2. Keyboard Hot-Key Switching

You can switch between computers using keyboard hot-key commands. The default hot-key sequence is typically:

- Press the **Scroll Lock** key twice in quick succession, then press the number key **1** or **2** corresponding to the desired computer.
- For example, to switch to PC1, press **Scroll Lock**, **Scroll Lock**, then **1**.

Refer to the Quick Installation Guide for advanced hot-key commands or to change the hot-key settings.

4.3. USB 2.0 Hub Functionality

The integrated 2-port USB 2.0 hub allows you to share USB peripherals between the connected computers. When you switch to a different computer, the USB devices connected to the hub ports will automatically switch to that computer.



Image 4.2: Multiple Device Sharing. This image demonstrates how the KVM switch facilitates sharing of a USB mouse, USB keyboard, audio devices, a printer, and USB flash drives between two connected PCs.

5. Maintenance

To ensure optimal performance and longevity of your KVM switch, follow these general maintenance guidelines:

- Keep the device in a cool, dry environment, away from direct sunlight and heat sources.
- Avoid exposing the device to moisture or extreme temperatures.
- Clean the exterior of the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure proper ventilation around the unit to prevent overheating.

6. Troubleshooting

If you encounter issues with your KVM switch, refer to the following common troubleshooting steps:

1. No Video Display:

- Ensure all DVI-I cables are securely connected to both the KVM switch and the computers/monitors.
- Verify that the correct input source is selected on your monitors.
- Try connecting the monitors directly to the computer to confirm they are functioning correctly.
- Ensure the KVM switch is powered on.

2. Keyboard or Mouse Not Responding:

- Ensure the USB keyboard and mouse are connected to the dedicated console ports on the KVM switch.
- Check that the USB 2.0 Type B cables from the computers to the KVM switch are securely connected.
- Try connecting the keyboard and mouse directly to the computer to verify functionality.
- Some specialized keyboards/mice may require direct connection or may not be fully supported by KVM emulation.

3. Audio Issues:

- Verify all 3.5mm audio cables are correctly connected to the KVM switch and the computers/speakers/microphone.
- Check audio settings on your operating system to ensure the correct output/input device is selected.

4. USB Hub Devices Not Detected:

- Ensure the USB device is properly connected to one of the USB HUB ports.
- Confirm that the active computer has the necessary drivers for the USB device installed.
- Some high-power USB devices may require an external power source or may not function optimally through a KVM's shared hub.

5. Switching Problems:

- Ensure the KVM switch is receiving power.
- If using hot-keys, ensure the hot-key sequence is entered correctly and within the specified time frame.
- Try using the front panel buttons to switch.

If problems persist, consult the full user manual (link provided in Section 8) or contact TRENDnet technical support.

7. Specifications

Feature	Specification
Model	TK-232DV
Operation Mode	Manual
Connector Type	USB 2.0
Video Interface	DVI-I (Dual Monitor)
Digital Resolution	Up to 1920 x 1200
Analog Resolution	Up to 2048 x 1536

Feature	Specification
USB Hub	2-Port USB 2.0
Audio Support	3.5mm Speaker and Microphone
Power Adapter	9V DC, 2A
Item Dimensions (L x W x H)	6.4 x 3.9 x 2.6 inches
Item Weight	1.6 pounds
Operating Temperature	32°F to 104°F (0°C to 40°C)
Manufacturer	TRENDnet

8. Warranty and Support



TRENDnet provides manufacturer protection for the TK-232DV 2-Port Dual Monitor DVI KVM Switch. For specific warranty terms and conditions, please refer to the official TRENDnet website or the documentation included with your product.




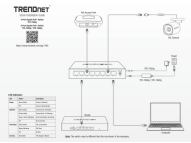
For technical assistance, TRENDnet offers reliable tech support. Contact information can typically be found on the TRENDnet website or in the Quick Installation Guide.

Additional Resources:

- For the complete Installation Manual (PDF), please visit:[TRENDnet TK-232DV Installation Manual](#)

Related Documents - TK-232DV

	<p>TRENDnet TK-204K/TK-404KR 2/4-Port DVI-KVM Switch User's Guide</p> <p>Comprehensive user's guide for the TRENDnet TK-204K and TK-404KR 2/4-port DVI-KVM switches with audio. Learn about installation, operation, specifications, and troubleshooting.</p>
	<p>TRENDnet TK-209K 2-Port USB KVM Switch Kit with Audio - Product Overview and Specifications</p> <p>Detailed overview of the TRENDnet TK-209K, a 2-port USB KVM switch kit with audio support. Features, technical specifications, and connectivity for managing multiple PCs with a single console.</p>

	<p>TRENDnet TU2-700 7-Port USB 2.0 Hub Quick Installation Guide</p> <p>This guide provides instructions for installing and verifying the TRENDnet TU2-700 7-port USB 2.0 Hub. It includes package contents, system requirements, hardware setup, troubleshooting, and contact information.</p>
	<p>TRENDnet TK-EX2 CAT5 KVM Extender User's Guide</p> <p>Comprehensive user guide for the TRENDnet TK-EX2 CAT5 KVM Extender Kit, covering installation, specifications, troubleshooting, and certifications.</p>
	<p>TRENDnet TU-S9E Serial to Ethernet Converter Setup Guide</p> <p>A comprehensive setup guide for the TRENDnet TU-S9E Serial to Ethernet Converter, detailing network connection, software installation, and virtual COM port configuration for seamless serial device communication.</p>
	<p>TRENDnet 5/8-Port Gigabit PoE+ Switch Quick Installation Guide</p> <p>Quick installation guide for TRENDnet 5-Port Gigabit PoE+ Switch (TPE-TG50g) and 8-Port Gigabit PoE+ Switch (TPE-TG80g / TPE-TG82g), including setup diagram, LED indicators, and compliance information.</p>