CMSTEDCD CMSTEDCD

CMSTEDCD USB3.0 HDMI+Displayport KVM Switch User Manual

Model: CMSTEDCD (VP-SW331) | Brand: CMSTEDCD

1. Introduction

Thank you for purchasing the CMSTEDCD HDMI+Displayport KVM Switch. This device allows you to control up to three computers or laptops using a single set of keyboard and mouse, while sharing two monitors. It supports high-resolution video output and provides convenient USB 3.0 connectivity for peripherals. This manual provides detailed instructions for setup, operation, and troubleshooting to ensure optimal performance of your KVM switch.

2. Package Contents

Please verify that all the following items are included in your package:

- CMSTEDCD HDMI & Displayport KVM Switch 3x2
- USB 3.0 Cable x 3
- IR Extension Cable
- IR Remote Control
- DC 12V Power Adapter
- User Manual



Image: The KVM switch unit, three USB 3.0 cables, an IR extension cable, an IR remote control, a 12V power adapter, and a user manual.

3. Product Features

- **3 PC 2 Monitor KVM Switch:** Control 3 computers with a single mouse, keyboard, and 2 monitors. Supports extended and copy display modes.
- **High Resolution Support:** DisplayPort 1.4 supports resolutions up to 8K@60Hz, while HDMI 2.0 supports resolutions up to 4K@60Hz. Compatible with lower resolutions.
- **4 USB 3.0 Ports:** Share USB devices such as mouse, keyboard, and printer with ultra-fast data transfer speeds up to 5Gbps.
- **Dual Switching Modes:** Switch between connected computers conveniently via the infrared remote control or the front panel button.
- **Stable Operation:** Equipped with an external 12V 1A power supply to ensure stable performance, especially for connected USB devices.



Image: Top and rear views of the KVM switch, highlighting its various ports and controls.



Image: Diagram illustrating USB 3.0 transfer speeds (5Gbps) compared to USB 2.0 (480Mbps), showing it is 10 times faster.



Image: Two monitors displaying high-resolution content, with the KVM switch in the foreground, indicating support for up to 8K@60Hz via DisplayPort and 4K@60Hz via HDMI.

4. Setup Instructions

Follow these steps to connect your KVM switch:

1. **Power Connection:** Connect the provided 12V 1A power adapter to the DC12V port on the KVM switch. Ensure it is plugged into a power outlet.
2. **Computer Connections (PC1, PC2, PC3):**
    - For each computer, connect one HDMI cable from the computer's HDMI output to the corresponding HDMI IN port (HDMI A or HDMI B) on the KVM switch.
    - For each computer, connect one DisplayPort cable from the computer's DisplayPort output to the corresponding DP IN port (DP A or DP B) on the KVM switch.
    - For each computer, connect one USB 3.0 cable (provided) from a USB 3.0 port on your computer to the corresponding USB 3.0 IN port (USB 3.0 A or USB 3.0 B) on the KVM switch. **Note:** If these USB 3.0 input

ports are not connected or are improperly connected, USB output devices will not be recognized.

Important: Ensure your computer supports dual display output. Each computer must be connected with one HDMI and one DisplayPort cable to the KVM switch.

3. **Monitor Connections (OUT A, OUT B):**
    - Connect your first monitor to the OUT A HDMI port on the KVM switch.
    - Connect your second monitor to the OUT B DisplayPort on the KVM switch.
4. **USB Device Connections:** Connect your USB keyboard, mouse, flash drive, or other USB 3.0 devices to the 4 USB 3.0 ports on the front of the KVM switch.
5. **IR Extension (Optional):** If using the IR remote control, connect the IR extension cable to the "EXT IR" port on the KVM switch and place the IR receiver in a visible location.

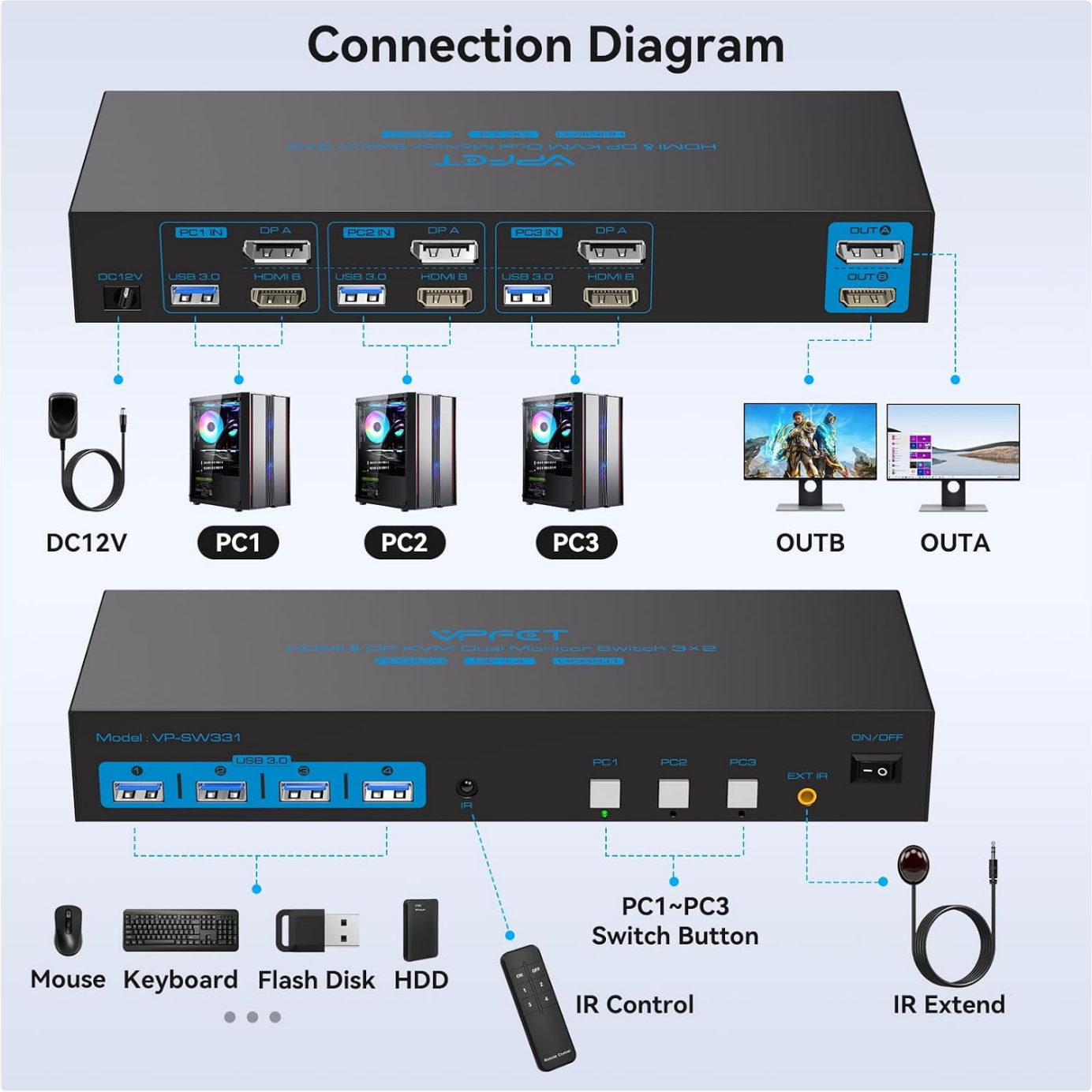


Image: A detailed diagram showing how to connect three PCs, two monitors, and various USB peripherals to the KVM switch.

5. Operating Instructions

The KVM switch offers two methods for switching between connected computers:

5.1. Button Switching

Press the corresponding PC1, PC2, or PC3 button on the front panel of the KVM switch to switch to the desired computer. The LED indicator will illuminate for the active computer.

5.2. Remote Control Switching

Use the provided IR remote control to switch between computers. Press the '1', '2', or '3' button on the remote to select PC1, PC2, or PC3 respectively. Ensure the IR receiver (either built-in or via extension cable) has a clear line of sight to the remote.



Image: Two panels demonstrating the two switching methods: pressing the physical button on the KVM unit and using the remote control with the IR extension.

5.3. Display Modes

The KVM switch supports both Extended Display and Mirror Display modes, allowing you to configure your dual monitors as needed for each connected computer.



Image: A setup showing three PCs connected to the KVM switch, sharing two monitors. Below, illustrations depict the "Extend Displays" and "Mirror Displays" modes.

6. Maintenance

- Keep the device in a cool, dry place away from direct sunlight and heat sources.
- Clean the exterior of the KVM switch with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure all cables are securely connected to prevent signal loss or intermittent issues.
- Avoid placing heavy objects on top of the KVM switch.

7. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No display on monitors.	Loose video cables. Incorrect input selection on KVM or monitor. Computer not outputting dual display. Incompatible resolution/refresh rate.	Check and re-secure all HDMI and DisplayPort cables. Ensure the KVM is switched to the correct PC. Check monitor input settings. Verify your computer's display settings support dual monitor output. Try a lower resolution or refresh rate. Ensure cables are high quality and not longer than 1.5m.
USB devices (keyboard/mouse) not working.	USB 3.0 input cables not connected or improperly connected. Insufficient power to USB devices.	Ensure the USB 3.0 cables from each PC are securely connected to the corresponding USB 3.0 IN ports on the KVM. Verify the 12V 1A power adapter is connected and providing power to the KVM switch.
Remote control not working.	IR extension cable not connected or obstructed. Remote control battery low/dead.	Ensure the IR extension cable is properly connected to the "EXT IR" port and the receiver has a clear line of sight. Replace the battery in the remote control.

If you encounter issues not listed here, please contact CMSTEDCD customer support for assistance. We have a professional technical team to help you solve your problems.

8. Specifications

Feature	Detail
Brand	CMSTEDCD
Model Number	CMSTEDCD (VP-SW331)
Product Dimensions (L x W x H)	13 x 5.5 x 3.5 cm; 920 grams
Video Inputs	3 x HDMI, 3 x DisplayPort
Video Outputs	1 x HDMI, 1 x DisplayPort
USB Ports	4 x USB 3.0 (for peripherals), 3 x USB 3.0 (for PC connection)
Max Resolution (DisplayPort)	8K@60Hz (DP1.4)
Max Resolution (HDMI)	4K@60Hz (HDMI2.0)
Data Transfer Rate	Up to 5 Gbps (USB 3.0)
Switching Methods	Button, IR Remote Control
Power Supply	DC 12V 1A External Power Adapter
Material	Plastic
Operating Mode	Manual

9. Warranty and Support

CMSTEDCD provides technical support for this product. For any questions or issues during use, please contact our customer service team. We are committed to providing professional assistance to resolve your problems.
Information regarding specific warranty periods or repair services is not explicitly provided in the product details. Please refer to your purchase documentation or contact CMSTEDCD directly for warranty details.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question