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CMSTEDCD SW232

CMSTEDCD SW232 8K60Hz DisplayPort HDMI KVM Switch User Manual

Brand: CMSTEDCD | Model: SW232

1. Introduction

This manual provides detailed instructions for the installation and operation of your CMSTEDCD SW232 8K60Hz DisplayPort HDMI KVM Switch. This device allows two computers to share three monitors (one HDMI, two DisplayPort) and four USB 3.0 peripheral devices, such as a mouse, keyboard, and USB drives. It supports both extended and mirrored display modes, enhancing productivity and simplifying your workspace.

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Video: Overview of the CMSTEDCD SW232 KVM Switch functionality and features.

2. Product Features

- **2 PC 3 Monitor KVM Switch:** Connects two computers to share one HDMI and two DisplayPort monitors, along with four USB 3.0 devices. Supports both extended and copy display modes.
- **High Resolution Support:** Compatible with HDMI 2.1 and DisplayPort 1.4 standards, supporting resolutions up to 8K@60Hz and 4K@120Hz. Backward compatible with 4K@60Hz, 2K@144Hz, 3D, 1080P, and 720P. *Note: To achieve 8K@60Hz or 4K@120Hz, ensure your signal source, monitors, and DP cables support these resolutions.*
- **USB 3.0 Connectivity:** Features four USB 3.0 ports with transfer speeds up to 5 Gbit/s, significantly faster than USB 2.0. Compatible with older USB versions. For stable operation with high-power USB devices, connect the included 12V power adapter.
- **Easy Switching:** Switch between connected PCs using a button on the KVM panel or the included wired desktop controller. Plug and play functionality, no software or drivers required. *Note: Keyboard hotkeys are not supported.*
- **Wide Compatibility:** Works with Windows, Vista, XP, Mac OS, Linux, and Unix operating systems. Supports various signal sources including PCs, laptops, PS5, PS4, and Xbox.



Image: Illustrates the 8K Ultra High Definition capabilities of the KVM switch, highlighting 8K@60Hz and 4K@120Hz resolutions.



Image: Demonstrates the high-speed data transfer of USB 3.0 ports, showing 5Gbps compared to USB 2.0's 480Mbps.

3. Package Contents

Please verify that all items are present in the package:

- 1 x CMSTEDCD SW232 KVM Switch Unit
- 2 x USB 3.0 A-A Cables (3.3ft / 1m)
- 1 x Desktop Controller (3.3ft / 1m)
- 1 x DC12V Power Adapter
- 1 x User Manual



Image: Contents of the product package, including the KVM switch, cables, desktop controller, power adapter, and user manual.

4. Setup Instructions

Follow these steps to connect your KVM switch:

1. **Power Off Devices:** Ensure both computers and all monitors are powered off before making any connections.
2. **Connect Monitors:** Connect your three monitors to the KVM switch's output ports (OUT A, OUT B, OUT C). Ensure one HDMI cable and two DisplayPort cables are used for the monitors.
3. **Connect Computers:**
    - For PC1: Connect one USB 3.0 A-A cable from PC1 to the KVM's "PC1 IN" USB 3.0 port. Connect two DisplayPort cables from PC1 to the KVM's "PC1 IN" DP A and DP B ports. Connect one HDMI cable from PC1 to the KVM's "PC1 IN" HDMI C port.
    - For PC2: Connect the second USB 3.0 A-A cable from PC2 to the KVM's "PC2 IN" USB 3.0 port. Connect two DisplayPort cables from PC2 to the KVM's "PC2 IN" DP A and DP B ports. Connect one HDMI cable from PC2 to the

KVM's "PC2 IN" HDMI C port.

Note: Each computer must support multi-screen display and have 2 DisplayPort outputs and 1 HDMI output for full functionality.

4. **Connect USB Peripherals:** Plug your USB devices (keyboard, mouse, hard disk, flash disk, etc.) into the four USB 3.0 ports on the front of the KVM switch.
5. **Connect Desktop Controller:** Plug the wired desktop controller into the "Control" port on the front of the KVM switch.
6. **Connect Power Adapter:** Connect the DC12V power adapter to the "DC 12V" port on the KVM switch and then to a power outlet.
7. **Power On:** Power on the KVM switch using the ON/OFF switch, then power on your monitors and computers.

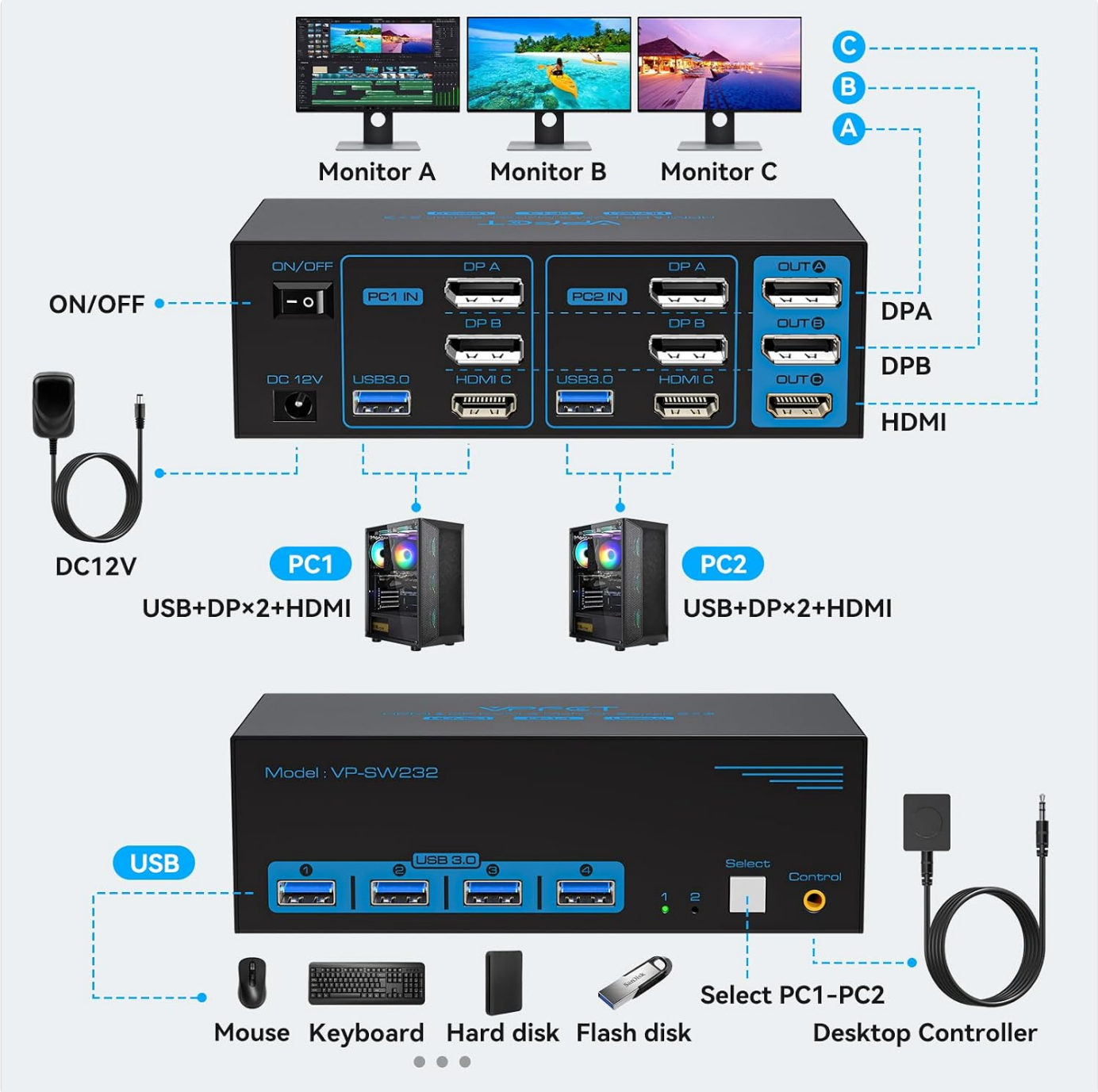


Image: Connection diagram illustrating how to connect two PCs, three monitors, and USB peripherals to the KVM switch.



Image: Example setup of a 3-channel monitor KVM switch, demonstrating two PCs sharing three monitors.

5. Operating Instructions

5.1 Switching Between Computers

You can switch between PC1 and PC2 using one of the following methods:

- **Front Panel Button:** Press the "Select" button on the front panel of the KVM switch to toggle between PC1 and PC2. The LED indicators (1 or 2) will illuminate to show the currently active PC.
- **Desktop Controller:** Press the button on the wired desktop controller to switch between PC1 and PC2.

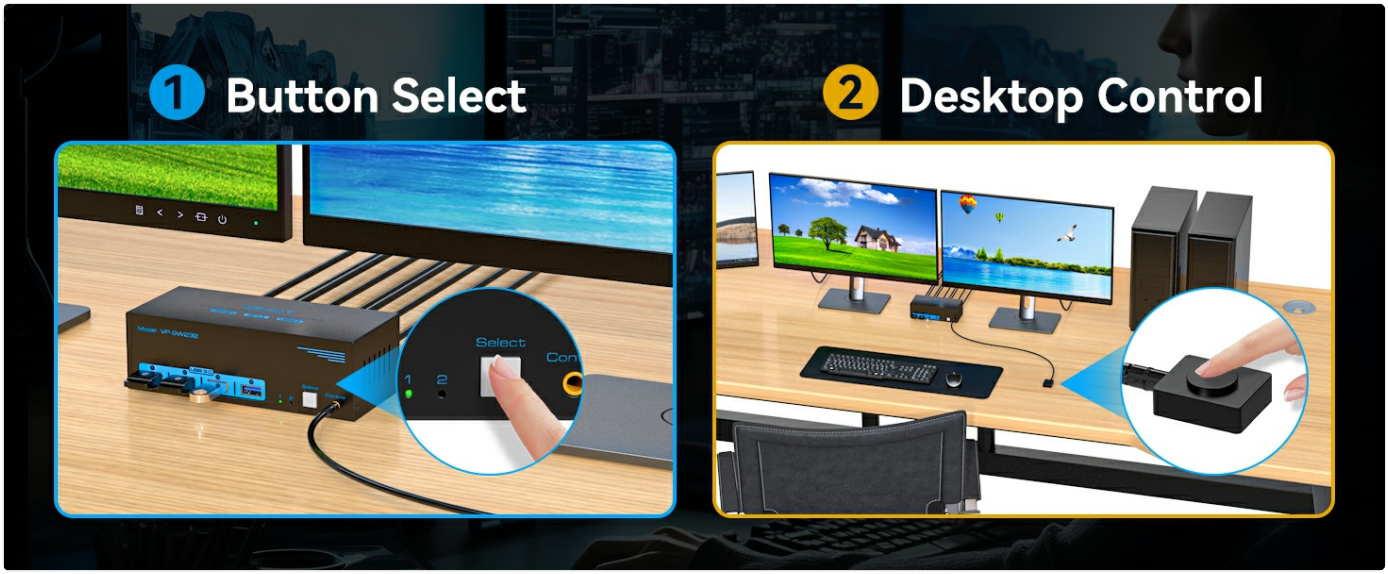


Image: Methods for switching between connected computers: using the front panel button or the desktop controller.

5.2 Display Modes (Extended vs. Mirrored)

The KVM switch supports two primary display modes, provided your connected computers and graphics cards support multi-screen output:

- **Extended Mode:** Each of the three monitors displays a different part of your desktop, extending your workspace. This mode requires your PC to output three distinct video signals.
- **Mirror Mode (Copy Mode):** All three monitors display the same content, mirroring your desktop across all screens. This mode requires your PC to duplicate the video signal across three outputs.

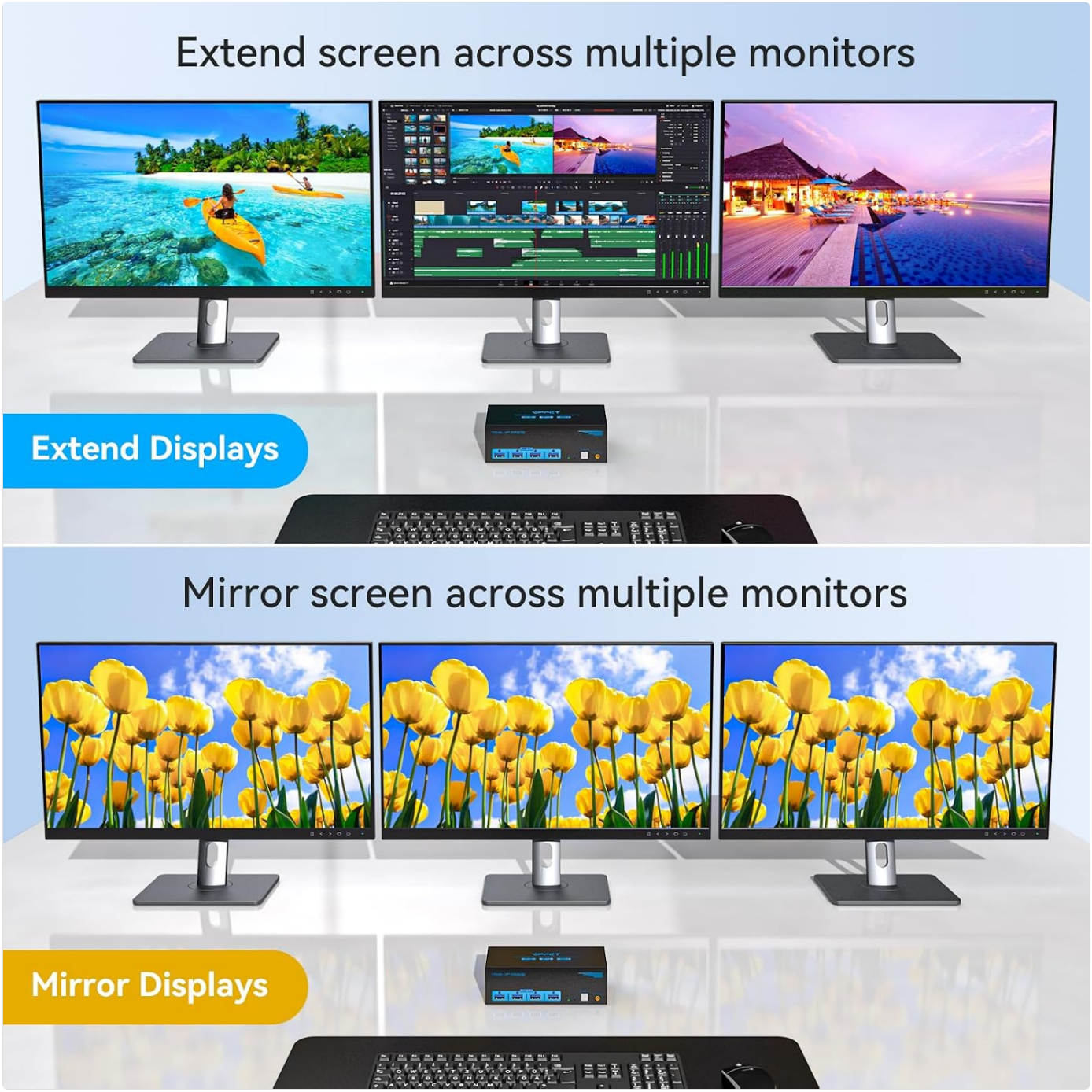


Image: Visual representation of Extended Display mode (three unique screens) and Mirror Display mode (three identical screens).

6. Maintenance

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

- Keep the device in a cool, dry place, away from direct sunlight and excessive heat.
- Avoid exposing the device to moisture or liquids.
- Clean the exterior of the KVM switch with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the device to prevent overheating.
- Handle cables and connectors gently to prevent damage.

7. Troubleshooting

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

- **No Display/Incorrect Resolution:**
  - Verify all HDMI and DisplayPort cables are securely connected to both the KVM switch and your monitors/computers.
  - Ensure your computer's graphics card supports the required number of DisplayPort and HDMI outputs (2 DP + 1 HDMI per PC).
  - Check your display settings on your computer to ensure the correct resolution and display mode (extended/mirrored) are selected.
  - Confirm that your monitors and cables support the desired resolution (e.g., 8K@60Hz or 4K@120Hz).
- **USB Devices Not Working:**
  - Ensure the USB 3.0 A-A cables are properly connected from each PC to the KVM switch.
  - Verify that the 12V power adapter is connected to the KVM switch and a power outlet, especially for high-power USB devices.
  - Try connecting the USB device directly to the computer to confirm it is functional.
  - Restart the KVM switch and the connected computers.
- **Cannot Switch Between PCs:**
  - Ensure the KVM switch is powered on.
  - Check if the desktop controller is securely plugged into the "Control" port.
  - Try using the front panel "Select" button if the desktop controller is not responding.
- **General Issues:**
  - Power cycle the KVM switch (turn off, unplug, wait 10 seconds, plug back in, turn on).
  - Ensure all cables are of good quality and not damaged.

If problems persist after trying these steps, please contact CMSTEDCD customer support for further assistance.

8. Specifications

Brand	CMSTEDCD
Model	SW232
Operating Mode	Plugged-in Mode
Rated Current	2 Ampere
Operating Voltage	12 Volt
Switch Type	Push Button
Video Terminal	HDMI, DisplayPort
Material	Metal
Item Dimensions (LxWxH)	23 x 8.5 x 4 cm
Circuit Type	3 way
Connector Type	Plug In
Mounting Type	Panel Mount

Number of Positions	2
Upper Operating Temperature	45 Degrees Celsius
Compatible Devices	PC, laptop, PS5, PS4, Xbox Series and other compatible devices
Smart Home Compatibility	Not smart home compatible
Color	Deep Blue
Certifications	CE

9. Warranty and Support

CMSTEDCD is committed to providing high-quality products and customer service. While specific warranty details are not provided in this manual, we offer comprehensive after-sales support.
If you encounter any issues or have questions regarding your CMSTEDCD SW232 KVM Switch, please do not hesitate to contact our customer support team. We aim to respond to all inquiries within 24 hours and provide effective solutions.
For support, please refer to the contact information provided with your purchase or on the official CMSTEDCD website.

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