CMSTEDCD SW222-0910

CMSTEDCD SW222-0910 Dual Monitor KVM Switch User Manual

Model: SW222-0910 | Brand: CMSTEDCD

1. Introduction

The CMSTEDCD SW222-0910 KVM Switch is designed to allow two computers or laptops to share two high-definition monitors and four USB 3.0 peripherals. This device supports advanced display resolutions up to 8K@60Hz and 4K@120Hz, providing a seamless and efficient workspace for users needing to switch between multiple systems. This manual provides detailed instructions for setting up, operating, and troubleshooting your KVM switch to ensure optimal performance and user experience.

2. Package Contents

Please verify that all items are present in your package:

- 1x CMSTEDCD SW222-0910 KVM Switch
- 1x DC 12V Power Adapter
- 2x USB 3.0 A-A Cables (3.3ft)
- 1x Wired Desktop Control Button (3.3ft)
- 1x User Manual



Image: The KVM switch unit, DC 12V power adapter, two USB 3.0 A-A cables, a wired desktop control button, and the user manual are included in the package.

3. Features

- **Dual Monitor KVM Switch:** Allows two computers to share two HD monitors and four USB 3.0 ports for peripherals like mouse, keyboard, printer, or USB drive. Supports 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, 1080P, and 720P. Automatically identifies resolution when switching signal sources.
- **USB 3.0 Connectivity:** Features four USB 3.0 ports for connecting various USB peripherals. Offers data transfer speeds up to 5Gbps, which is 10 times faster than USB 2.0.
- **Easy Switching:** Provides two methods for switching between connected computers: a physical button on the device and a wired extension button for convenient desktop placement. Hotkey toggles are not supported.
- **Stable Operation:** Includes a 12V power adapter to ensure stable power delivery to the KVM switch and connected USB devices, especially for power-intensive peripherals like hard drives.



Image: The KVM switch integrated into a desktop environment, connecting two monitors and peripherals to a computer, highlighting 8K@60Hz, USB 3.0, DP 1.4, and HDMI 2.1 capabilities.

4. Specifications

Attribute	Value
Model Number	SW222-0910
Product Dimensions (L x W x H)	5.9 x 2.53 x 1.38 inches (150 x 65 x 35 mm)
Weight	1.21 Pounds
Video Inputs	2x HDMI 2.1, 2x DisplayPort 1.4 (per PC)
Video Outputs	1x HDMI 2.1, 1x DisplayPort 1.4 (to monitors)

USB Ports	4x USB 3.0 (for peripherals), 2x USB 3.0 (for PC connection)
Max Resolution	8K@60Hz, 4K@120Hz
Operation Mode	ON-OFF
Operating Voltage	12 Volts (DC)
Current Rating	1 Amps
Material	Metal

5. Setup Guide

Follow these steps to correctly set up your CMSTEDCD SW222-0910 KVM Switch:

1. **Power Off Devices:** Ensure both computers and monitors are powered off before beginning the connection process.
2. **Connect Monitors to KVM:** Connect your primary monitor to the KVM's HDMI output (OUT A) and your secondary monitor to the KVM's DisplayPort output (OUT B).
3. **Connect Computers to KVM (PC1):**
    - Connect a USB 3.0 A-A cable from your first computer's USB-A port to the KVM's PC1 USB 3.0 input.
    - Connect an HDMI cable from your first computer's HDMI output to the KVM's PC1 HDMI input.
    - Connect a DisplayPort cable from your first computer's DisplayPort output to the KVM's PC1 DisplayPort input.
4. **Connect Computers to KVM (PC2):** Repeat step 3 for your second computer, connecting its USB 3.0, HDMI, and DisplayPort outputs to the corresponding PC2 inputs on the KVM.
5. **Connect Peripherals:** Connect your USB keyboard, mouse, printer, or other USB 3.0 devices to the four USB 3.0 ports on the front of the KVM switch.
6. **Connect Wired Control:** Plug the wired desktop control button into the designated port on the KVM switch.
7. **Connect Power:** Plug the 12V DC power adapter into the KVM switch and then into a power outlet.
8. **Power On:** Power on your monitors and then your computers.

Important Notes:

- Both computers and monitors must have native HDMI and DisplayPort outputs/inputs.
- The use of HDMI to DisplayPort, DisplayPort to HDMI, or any other conversion cables (e.g., HDMI to DVI/VGA) is not supported and may prevent proper functionality.
- Ensure you use high-quality HDMI 2.1 and DisplayPort 1.4 cables (not included) for optimal performance, especially for 4K@120Hz or 8K@60Hz resolutions.

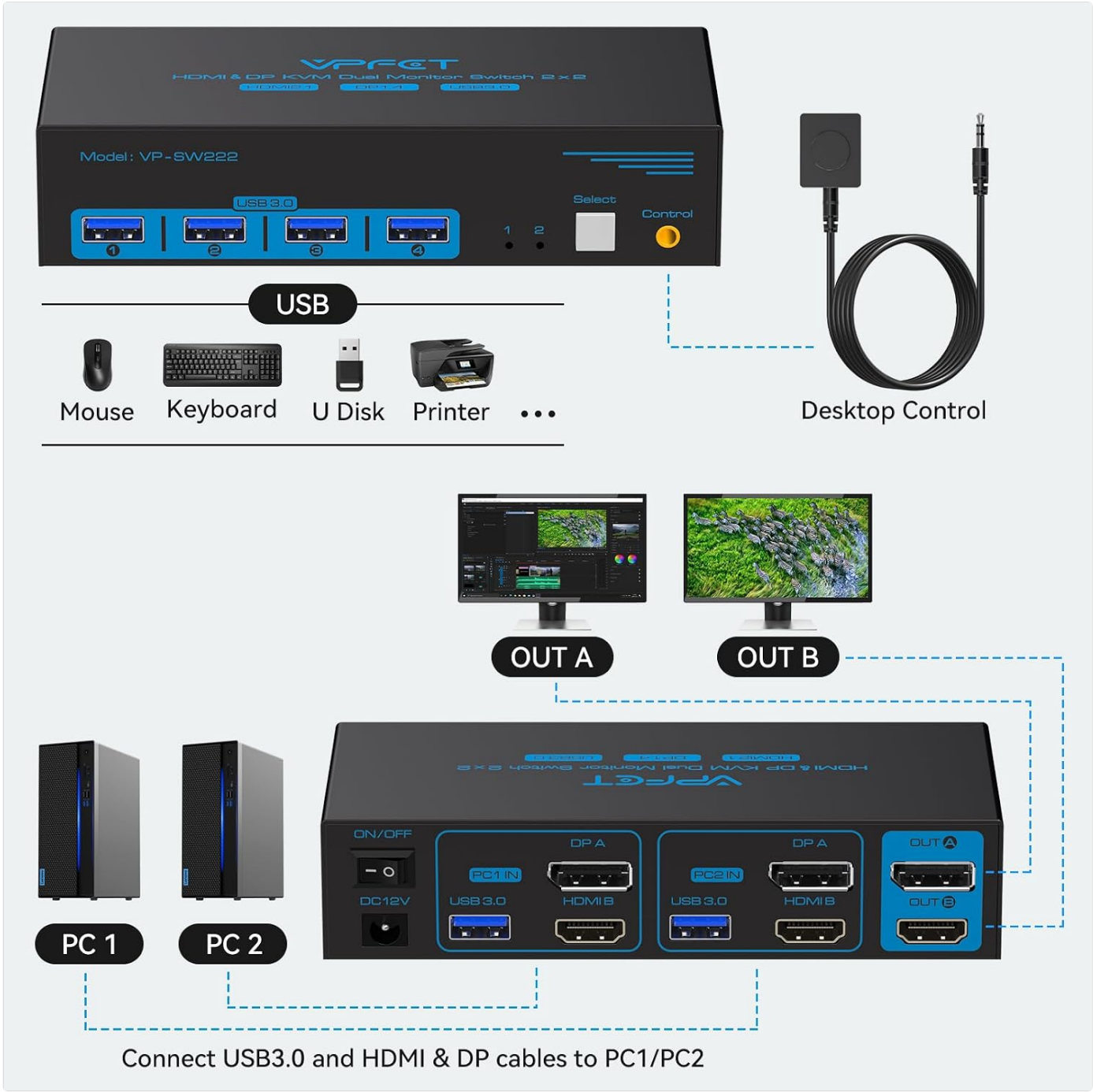


Image: A detailed diagram illustrating how to connect two PCs, two monitors (one HDMI, one DisplayPort), and various USB peripherals (mouse, keyboard, U disk, printer) to the KVM switch.

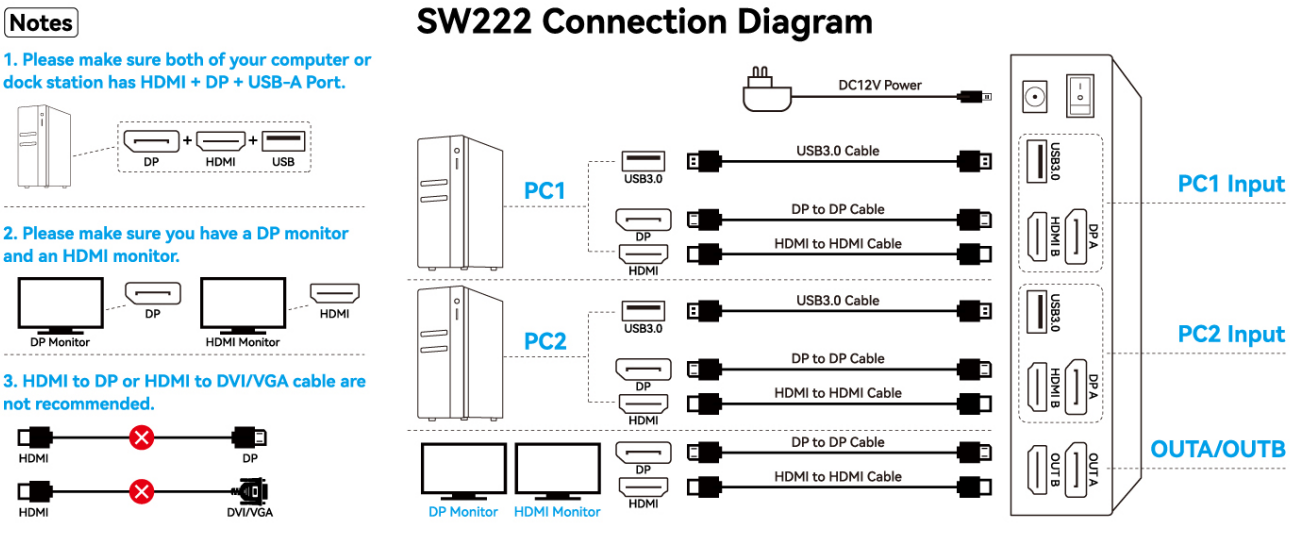


Image: A comprehensive connection diagram for the SW222 KVM switch, emphasizing the requirement for native HDMI and DP ports on computers and monitors, and advising against conversion cables.

6. Operating Instructions

Once the KVM switch is set up, operating it is straightforward:

6.1 Switching Between Computers

You can switch between PC1 and PC2 using two methods:

- **Front Panel Button:** Press the 'Select' button on the front of the KVM switch to toggle between PC1 and PC2.
- **Wired Extension Button:** Press the button on the wired desktop control unit to switch between PC1 and PC2. This allows you to place the KVM switch out of sight for a tidier desktop.

Note: Keyboard shortcuts (hotkeys) are not supported for switching.



Image: A close-up of the KVM switch's front panel, highlighting the LED indicators that show which PC (1 or 2) is currently active.

6.2 Display Modes

The KVM switch supports both extended and copy (mirror) display modes, provided your computer's graphics card supports these functions.

- **Extended Mode:** Each monitor displays a different part of your desktop, expanding your workspace.
- **Copy (Mirror) Mode:** Both monitors display the same content, duplicating your desktop.



Image: Visual representation of extended working mode (desktop spread across two screens) and copy working mode (same content on both screens).

7. Maintenance

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

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

8. Troubleshooting

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

8.1 USB Not Working

- **Check USB 3.0 Cable:** Confirm that the USB 3.0 cable is properly connected between your computer and the KVM switch.
- **Verify Computer USB Port:** Ensure the USB port on your computer is functioning correctly. Test it with another device.
- **Update USB Drivers:** Install the latest USB drivers for your computer's operating system.
- **External Power:** Ensure the 12V power adapter is connected to the KVM switch. The current provided by a PC host alone may be insufficient for some USB devices, especially hard drives.

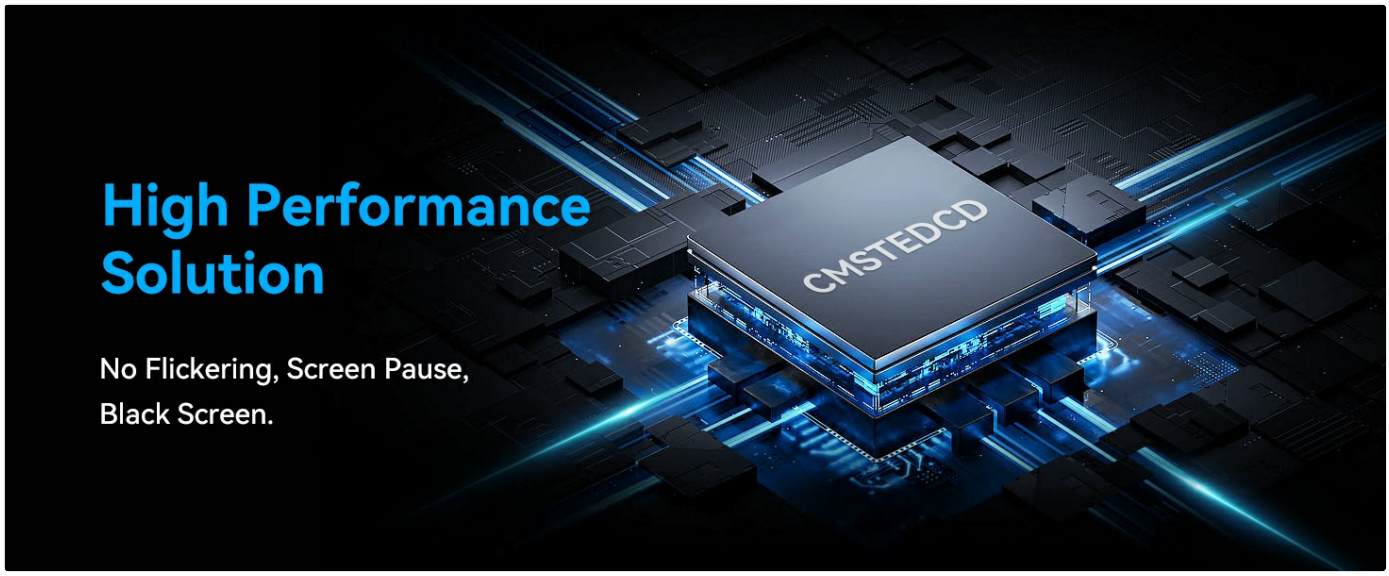


Image: The KVM switch connected to its 12V DC power adapter, illustrating how external power ensures stable operation for USB devices, preventing issues with insufficient power from the PC.

8.2 Display Has No Image

- **Match Video Ports:** Confirm that the KVM switch's video ports (HDMI and DisplayPort) match the corresponding ports on your monitors and computers.
- **Correct Input Connection:** Ensure that PC1's video cables are connected to the KVM's PC1 inputs, and PC2's video cables are connected to PC2 inputs. Also, verify that the KVM's OUT A connects to your primary monitor and OUT B to your secondary monitor.
- **Cable Quality:** Use high-quality HDMI 2.1 and DisplayPort 1.4 cables, preferably 3.3ft or shorter for optimal signal integrity.
- **Avoid Conversion Cables:** Do not use HDMI to DisplayPort, DisplayPort to HDMI, or any other video conversion cables. Direct connections are required.
- **Active Adapters:** If an adapter is absolutely necessary (e.g., for a specific legacy setup), ensure it is an*active* adapter, though direct connections are always recommended.
- **Restart Devices:** Try restarting the KVM switch, monitors, and computers in sequence.

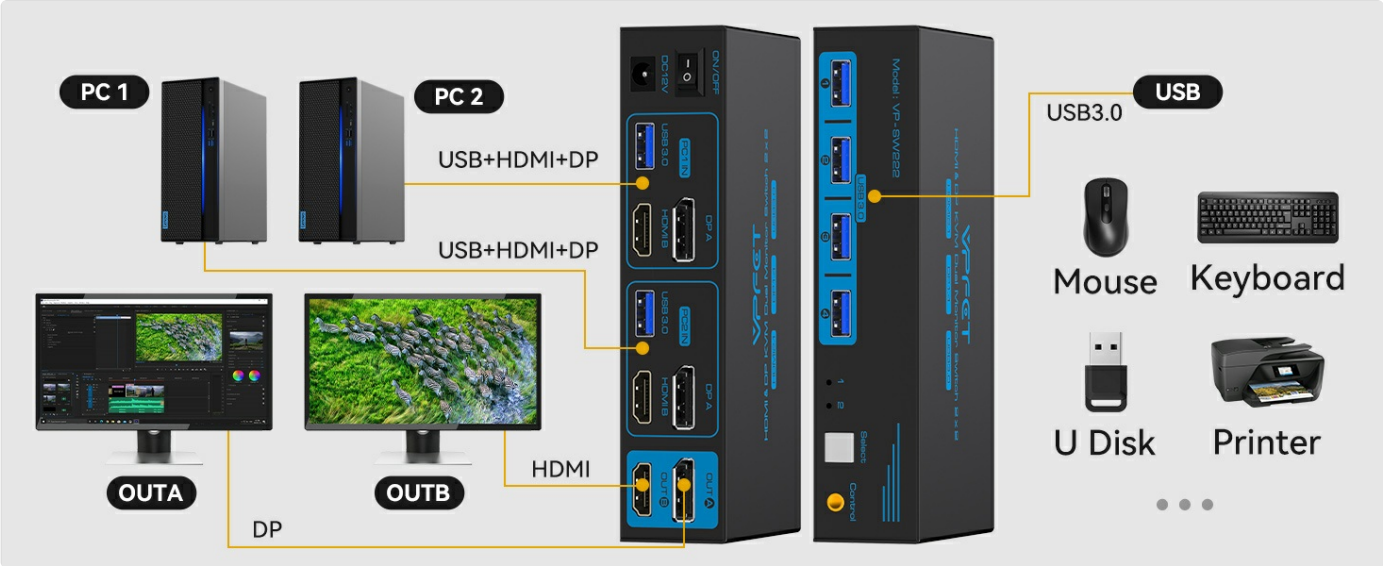


Image: Illustrates the KVM switch's high-performance solution, designed to prevent common display issues such as flickering, screen pauses, or black screens, ensuring a stable visual experience.

9. Warranty and Support

CMSTEDCD stands behind the quality of its products.

- **Warranty:** The KVM switch includes a 12-month warranty, during which the switch will be replaced at no charge if any manufacturing defects occur.
- **Technical Support:** If you have any questions or encounter difficulties during use, please contact CMSTEDCD customer support. A professional technical team is available to assist you.

For further assistance, please visit the CMSTEDCD Store on Amazon.

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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.

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