CMSTEDCD CMSTEDCD-CA-SW222

CMSTEDCD Dual Monitor HDMI+DisplayPort KVM Switch User Manual

Model: CMSTEDCD-CA-SW222

1. Introduction

This user manual provides comprehensive instructions for the CMSTEDCD Dual Monitor HDMI+DisplayPort KVM Switch. This device allows you to control two computers with a single set of keyboard, mouse, and two monitors. It supports high resolutions up to 8K@60Hz and 4K@120Hz, and features USB 3.0 for high-speed data transfer.

Please read this manual thoroughly before operation to ensure proper setup and optimal performance.

2. Package Contents



This image displays the KVM switch along with its complete package contents, including the main unit, desktop control cable, USB 3.0 A-A cables, DC12V power adapter, and the user manual.

- 1 x CMSTEDCD Dual Monitor HDMI+DisplayPort KVM Switch (Model: CMSTEDCD-CA-SW222)
- 1 x Desktop Control Cable (3.3 ft)
- 2 x USB 3.0 A-A Cables (3.3 ft)
- 1 x DC12V Power Adapter

- 1 x User Manual

3. Product Overview

The CMSTEDCD KVM Switch is designed for seamless switching between two computers, sharing two monitors and multiple USB peripherals. It supports advanced display technologies and high-speed data transfer.

3.1 Front Panel



This image shows the front panel of the KVM switch, highlighting the four USB 3.0 ports for connecting peripherals like keyboards, mice, and USB drives. It also displays the two selection buttons (1 and 2) for switching between connected computers and the 'Control' port for the external wired controller.

- **USB 3.0 Ports (x4):** For connecting USB peripherals (keyboard, mouse, USB drive, printer, etc.).
- **Select Buttons (1, 2):** Press to switch between PC1 and PC2.
- **Control Port:** For connecting the external wired controller.

3.2 Rear Panel



This image provides a view of the rear panel of the KVM switch, detailing the power input, on/off switch, and the input ports for PC1 and PC2, each including USB 3.0, HDMI, and DisplayPort connections. It also shows the two monitor output ports (OUT A and OUT B) for HDMI and DisplayPort.

- **DC12V Power Input:** Connect the included power adapter.
- **ON/OFF Switch:** Power switch for the KVM unit.
- **PC1 Input:**
  - USB 3.0: Connect to PC1's USB port.
  - HDMI B: Connect to PC1's HDMI output for Monitor B.
  - DP A: Connect to PC1's DisplayPort output for Monitor A.
- **PC2 Input:**
  - USB 3.0: Connect to PC2's USB port.
  - HDMI B: Connect to PC2's HDMI output for Monitor B.
  - DP A: Connect to PC2's DisplayPort output for Monitor A.
- **OUT A (DisplayPort):** Connect to Monitor A's DisplayPort input.
- **OUT B (HDMI):** Connect to Monitor B's HDMI input.

4. Setup and Connection

Follow these steps to properly set up your KVM switch:



This diagram illustrates the complete connection setup for the CMSTEDCD KVM switch. It shows two PCs (PC1 and PC2) connected to the KVM via USB 3.0, DisplayPort, and HDMI cables. Two monitors (a DisplayPort monitor and an HDMI monitor) are connected to the KVM's output ports. USB peripherals like a mouse, keyboard, U disk, and printer are connected to the front USB 3.0 ports of the KVM. The diagram also highlights the DC12V power connection and the external wired controller.

1. **Power Off Devices:** Ensure both computers and monitors are powered off before making any connections.
2. **Connect Monitors to KVM:**
    - Connect your DisplayPort monitor to the KVM's **OUT A (DP)** port.
    - Connect your HDMI monitor to the KVM's **OUT B (HDMI)** port.
3. **Connect PC1 to KVM:**
    - Connect a USB 3.0 A-A cable from PC1's USB port to the KVM's **PC1 USB 3.0** input.
    - Connect a DisplayPort cable from PC1's DisplayPort output to the KVM's **PC1 DP A** input.
    - Connect an HDMI cable from PC1's HDMI output to the KVM's **PC1 HDMI B** input.
4. **Connect PC2 to KVM:**
    - Connect a USB 3.0 A-A cable from PC2's USB port to the KVM's **PC2 USB 3.0** input.
    - Connect a DisplayPort cable from PC2's DisplayPort output to the KVM's **PC2 DP A** input.
    - Connect an HDMI cable from PC2's HDMI output to the KVM's **PC2 HDMI B** input.
5. **Connect Peripherals:** Connect your keyboard, mouse, and other USB peripherals to the USB 3.0 ports on the front panel of the KVM switch.
6. **Connect External Controller (Optional):** Plug the external wired controller into the 'Control' port on the front of the KVM.
7. **Power On KVM:** Connect the DC12V power adapter to the KVM and turn on the KVM switch using the ON/OFF switch.
8. **Power On Computers and Monitors:** Turn on your computers and monitors.

Important Notes:

- Ensure both of your computer or dock station has HDMI + DP + USB-A Port.
- Ensure you have a DP monitor and an HDMI monitor.
- HDMI to DP or HDMI to DVI/VGA cables are not recommended and may cause compatibility issues. Use direct HDMI and DisplayPort connections.

5. Operating Instructions

The KVM switch offers multiple ways to switch between connected computers.

5.1 Switching Methods

- **Front Panel Buttons:** Press the '1' or '2' button on the front panel of the KVM switch to select the corresponding computer (PC1 or PC2).
- **External Wired Controller:** Press the button on the external wired controller to switch between PC1 and PC2. This is convenient for placing the KVM out of sight.

5.2 Display Modes

The KVM switch supports both Extended and Copy (Mirror) display modes, depending on your computer's display settings.



This image illustrates the two primary display modes supported by the KVM switch: Extended working mode, where the desktop is spread across two monitors, and Copy working mode, where the same content is mirrored on both monitors. The KVM switch facilitates these configurations for connected computers.

- **Extended Mode:** Each monitor displays a different part of the desktop, extending your workspace. This is typically the default and most common setup for productivity.
- **Copy (Mirror) Mode:** Both monitors display the exact same content. This mode is useful for presentations or sharing the same view.

To configure display modes, adjust the display settings within your operating system (Windows, macOS, Linux).

5.3 LED Indicators



This close-up image highlights the LED indicators on the KVM switch. When switching between PC1 and PC2, the corresponding LED (1 or 2) will illuminate, clearly indicating which computer is currently active and being controlled by the KVM.

The KVM switch features LED indicators (1 and 2) next to the select buttons. The illuminated LED indicates which computer is currently active and being controlled by the KVM.

6. Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the KVM switch. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Environment:** Keep the device away from excessive heat, humidity, dust, and direct sunlight.
- **Cable Management:** Ensure all cables are securely connected and not excessively bent or strained.

7. Troubleshooting

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

Problem	Possible Cause / Solution
No display on monitors after switching.	• Ensure all HDMI and DisplayPort cables are securely connected to both the KVM and your computers/monitors. • Verify that the KVM switch is powered on. • Check if the correct input source is selected on your monitors. • Try restarting the KVM switch and then the computers. • Ensure your computer's display settings are configured for dual monitors (Extended or Mirror mode).
Keyboard/Mouse not working.	• Ensure the USB 3.0 A-A cables are securely connected from your computers to the KVM's PC USB inputs. • Try connecting the keyboard/mouse to different USB ports on the KVM. • Some gaming keyboards/mice with special drivers may not be fully compatible. Try a standard keyboard/mouse. • Check your computer's BIOS settings for USB port power management (ensure USB ports are always on).
Flickering screen or unstable display.	• Ensure you are using high-quality HDMI 2.1 and DisplayPort 1.4 cables. • Reduce the resolution or refresh rate of your monitors to see if the issue persists. • Check for driver updates for your graphics card. • Ensure the KVM is receiving stable power.
USB 3.0 devices not recognized or slow.	• Ensure the USB 3.0 A-A cables are connected to USB 3.0 ports on your computers. • Some high-power USB devices (e.g., external hard drives) may require additional power. Ensure the KVM is powered by its adapter. • Try connecting the device directly to the computer to verify functionality.

8. Specifications

Feature	Detail
Model	CMSTEDCD-CA-SW222

Feature	Detail
Inputs	2 x PC (each with 1x USB 3.0, 1x HDMI 2.1, 1x DisplayPort 1.4)
Outputs	2 x Monitors (1x HDMI 2.1, 1x DisplayPort 1.4), 4 x USB 3.0 Ports
Video Resolution	Up to 8K@60Hz, 4K@120Hz
USB Standard	USB 3.0 (5Gbps)
Switching Method	Front Panel Buttons, External Wired Controller
Supported OS	Windows, macOS, Linux
Power Supply	DC 12V Power Adapter
Product Dimensions	20 x 14 x 5.5 cm (7.87 x 5.51 x 2.17 inches)
Weight	520 g (1.15 lbs)

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your purchase or contact CMSTEDCD customer service directly. Details can typically be found on the manufacturer's official website or through your point of purchase.

Please retain your proof of purchase for warranty claims.

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