

CMSTEDCD SW233

CMSTEDCD 8K KVM Switch (Model SW233) Instruction Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your CMSTEDCD 8K KVM Switch (Model SW233). This device allows two computers to share three DisplayPort monitors and four USB 3.0 peripherals, enhancing workspace efficiency. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the device or connected equipment.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x CMSTEDCD 8K KVM Switch (Model SW233)
- 2x USB 3.0 Cables (3.3ft)
- 1x Desktop Control Button (Wired Remote)
- 1x 12V DC Power Adapter
- 1x User Manual

Package List



Image: Contents of the CMSTEDCD 8K KVM Switch package.

3. PRODUCT OVERVIEW

The CMSTEDCD 8K KVM Switch is designed for high-performance multi-monitor setups. It features multiple DisplayPort inputs and outputs, along with USB 3.0 ports for peripheral sharing.

3.1 Key Features

- **DisplayPort 1.4 Support:** Supports resolutions up to 8K@60Hz and 4K@120Hz. Also compatible with 4K@60Hz, 3D, 1080P, and 720P.
- **USB 3.0 Connectivity:** Four USB 3.0 ports offer data transfer speeds up to 5Gbps, significantly faster than USB 2.0. These ports are backward compatible with USB 2.0 and 1.1 devices.
- **Multiple Display Modes:** Supports extended mode (different images on each monitor) and copy mode (identical images on all monitors).
- **Stable Power Supply:** Includes a 12V DC power adapter to ensure stable operation, especially when connecting high-powered USB devices.
- **Dual Switching Options:** Switch between connected computers using either the button on the KVM unit or the included wired extension button.



Image: Front and rear panel layout of the KVM switch, illustrating port functions.

8K Ultra High Definition

Audio and video synchronization.



8K
60Hz

4K
120Hz

3.0
USB*4

32
Gbps

1.4
DP

Image: Visual representation of the KVM switch's high-definition capabilities and USB 3.0 features.

USB3.0 Transfer Files in Seconds

USB 3.0

5Gbps

USB 2.0

480Mbps

10x

Faster than USB 2.0



Image: USB 3.0 data transfer speed comparison.

4. SETUP INSTRUCTIONS

Follow these steps to correctly set up your KVM switch:

1. Connect Computers to KVM:

- For each computer (PC1 and PC2), connect three DisplayPort cables from the computer's graphics card to the corresponding 'DP IN' ports on the KVM switch (e.g., PC1 DP A, PC1 DP B, PC1 DP C).
- Connect one USB 3.0 cable from each computer's USB port to the corresponding 'USB3.0' input port for PC1 and PC2 on the KVM switch.
- *Note: Each connected computer requires three DisplayPort outputs to utilize all three monitors. Ensure your computer's graphics card supports multiple displays.*

2. Connect Monitors to KVM:

- Connect three DisplayPort cables from your monitors to the 'DP OUT A', 'DP OUT B', and 'DP OUT C' ports on the KVM switch.

3. Connect Peripherals:

- Plug your keyboard, mouse, USB drives, or other USB 3.0 peripherals into the four 'USB3.0' ports on the front of the KVM switch.
- Connect the wired remote control to the 'Wired Remote' port on the KVM switch.

4. Power On:

- Connect the 12V DC power adapter to the 'DC 12V' port on the KVM switch, then plug the adapter into a power outlet.
- Turn on the KVM switch using the 'ON/OFF' switch.



Image: Overview of the KVM switch connection setup with two PCs and three monitors.

4.1 Setup Demonstration Video

Your browser does not support the video tag.

Video: This video demonstrates the physical connection process for the KVM switch, including connecting two PCs to the KVM, then connecting the KVM to three monitors, and finally plugging in peripherals like a keyboard, mouse, and the wired remote. It also shows switching between PCs and setting up extended display mode.

5. OPERATING INSTRUCTIONS

5.1 Switching Between Computers

You can switch between PC1 and PC2 using two methods:

- **Panel Button:** Press the 'SW' button located on the front panel of the KVM switch.
- **Wired Remote Control:** Press the button on the wired extension remote for convenient switching.

5.2 Display Modes (Extended & Mirror)

The KVM switch supports both extended and mirror (duplicate) display modes. To configure these modes, use your computer's operating system display settings.

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

For Windows users, you can typically access display settings by pressing the shortcut key **WIN+P** and selecting your desired display mode.



Image: Examples of Extended Displays and Mirror Displays configurations.

6. TROUBLESHOOTING

If you encounter issues, refer to the following common problems and solutions:

6.1 USB Not Working

- **Check USB 3.0 Cable:** Ensure the USB 3.0 cable is properly connected between your computer and the KVM switch.
- **Verify Computer USB Port:** Confirm that your computer's USB port is functioning correctly by testing it with another device.
- **Update USB Drivers:** Install the latest USB drivers for your computer.

6.2 Display Has No Image

- **Match Ports:** Confirm that the KVM switch and monitor video ports are correctly matched (e.g., DP OUT A to Monitor A).
- **Cable Connections:** Ensure all DisplayPort cables from your PCs to the KVM inputs are securely connected.
- **Cable Quality:** Use high-quality DisplayPort cables (preferably 3.3ft or shorter for optimal performance). Conversion cables are not supported.
- **Active Adapters:** If an adapter is required (e.g., for a different video output type on your PC), use an active adapter.
- **Power Supply:** Verify the 12V DC power adapter is correctly connected and providing power to the KVM switch.

7. SPECIFICATIONS

Feature	Detail
Model Number	SW233
Manufacturer	CMSTEDCD
Product Dimensions (L x W x H)	14.99 x 6.48 x 4.83 cm (5.9 x 2.55 x 1.9 inches)
Material	Metal
Video Connector Type	DisplayPort
USB Connector Type	USB 3.0
Max Resolution Supported	8K@60Hz, 4K@120Hz
USB Data Transfer Speed	Up to 5Gbps (USB 3.0)
Power Supply	12V DC Adapter
Switch Type	Push Button (Panel & Wired Remote)
Operating Systems Supported	Windows/Vista/XP, Mac OS, Linux, Unix

8. WARRANTY AND SUPPORT

CMSTEDCD offers a **12-month free switch replacement** for any manufacturing defects or malfunctions encountered during normal use. Our expert technical team is available to assist you with any inquiries or problems you may experience with your KVM switch.

For technical support or warranty claims, please contact us at: vpfetus@163.com