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› **CMSTEDCD /**

› 8K@60Hz Displayport Kvm Switch 1 Monitors 2 Computers USB 3.0 DP1.4 Kvm Switches Display Port for Two Computers Share Single Screen Mouse Keyboard and 2 Additional Peripherals User Manual

## **CMSTEDCD VP-SW204**

# **CMSTEDCD 8K@60Hz Displayport KVM Switch User Manual**

Model: VP-SW204

## **PRODUCT OVERVIEW**

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The CMSTEDCD 8K@60Hz Displayport KVM Switch allows two computers to share a single DisplayPort monitor, a mouse, a keyboard, and two additional USB 3.0 peripherals. This device is designed to enhance office efficiency and gaming experience by providing quick switching between signal sources.



Figure 1: CMSTEDCD 8K@60Hz Displayport KVM Switch with included USB 3.0 cables and 12V power adapter.

## SETUP INSTRUCTIONS

### Product Prerequisites

- Ensure both computers or laptops have a DisplayPort (DP) output port and a USB-A output port.
- Ensure your monitor has a DisplayPort (DP) input port.
- Use cables that comply with the DP1.4 standard and are no longer than 6 feet (1.8 meters) in length to ensure stable video signal transmission.
- Do not use conversion cables (e.g., HDMI to DP). HDMI to DP cables and hubs are not compatible.
- This KVM switch is not compatible with MacBooks.

### Connection Procedure

1. Connect PC1 to the DP port labeled "PC1 IN" on the KVM switch using a DisplayPort cable.
2. Connect PC1 to the USB 3.0 port labeled "PC1 IN" on the KVM switch using a USB-A cable.

3. Repeat the above steps for PC2, connecting it to the "PC2 IN" DP and USB 3.0 ports.
4. Connect your monitor to the "DP OUT" port of the KVM switch using a DisplayPort cable.
5. Connect the supplied 12V power adapter to the "DC12V" port on the KVM switch and plug it into a power outlet. This ensures stable operation, especially for USB devices.
6. Connect your mouse, keyboard, and other USB 3.0 peripherals (e.g., printer, webcam, U disk) to the four USB 3.0 ports on the front of the KVM switch.

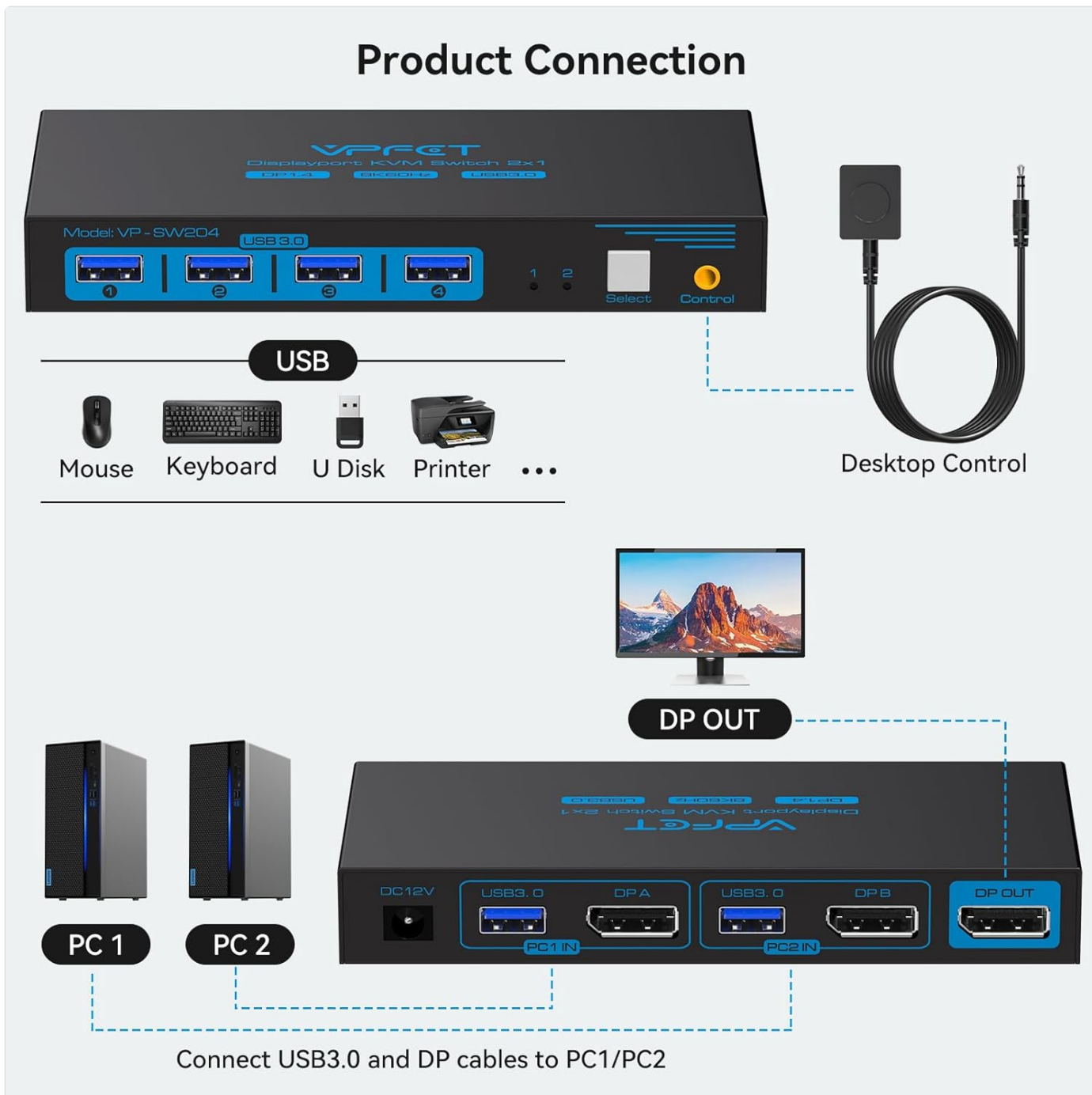


Figure 2: Product Connection Diagram. Illustrates the flow of connections from PCs to the KVM switch, and from the KVM switch to the monitor and peripherals.

# Connection Steps



## Step1:

Connect the supplied 12V/1A power supply unit to ensure stable operation of the KVM Switch 2 PC 1 monitor.



## Step2:

Connect the DP A/B and USB-A ports of PC1/PC 2 to the ports of PC1 IN/PC 2 IN on the back of the KVM switch.



## Step3:

Connect DP OUT on the back of the KVM Switch to the display device; DP OUT displays video from DP A/B.



## Step4:

Connect devices such as mouse and keyboards to the front USB ports. 2 computers can share 1 monitor and 4 USB 3.0 ports.

Figure 3: Detailed Connection Steps. Provides a visual breakdown of each connection point for power, DP, USB, and peripherals.

## OPERATING INSTRUCTIONS

### Switching Between Computers

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

1. **Button Switch:** Press the "Select" button on the front panel of the KVM switch to toggle between PC1 and PC2. LED indicators will show which port is currently active.
2. **Desktop Controller:** Use the included wired desktop controller. Press the button on the controller to switch between PC1 and PC2. This allows the KVM switch unit to be hidden, keeping your desktop tidy.

*Note: Keyboard shortcuts (hotkeys) for switching are not supported by this model.*

# 2 PCs Share 4 USB Devices and 1 Monitor

Supports 4K120Hz/8K60Hz high resolution



Figure 4: Two Quick Switch Modes. Illustrates the physical button on the KVM unit and the external desktop controller for switching inputs.

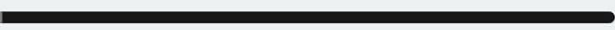
## USB 3.0 Connectivity

The KVM switch is equipped with four USB 3.0 ports, providing a transfer rate of up to 5Gbps. These ports are backward compatible with USB 2.0, 1.1, and 1.0 devices. You can connect various peripherals such as a mouse, keyboard, printer, webcam, and USB flash drives.

# USB 3.0 Transfer Files in Seconds

10X Faster than USB 2.0

USB 3.0  5Gbps

USB 2.0  480Mbps

**5Gbps**



Figure 5: USB 3.0 Transfer Speeds. Highlights the 5Gbps transfer rate of USB 3.0, which is 10 times faster than USB 2.0.

# 2 Quick Switch Modes

## 1 Button Switch



## 2 Desktop Controller



Figure 6: Shared Peripherals Setup. Demonstrates how two PCs can share a single monitor and multiple USB devices through the KVM switch.

## MAINTENANCE

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

- Keep the device clean by wiping it with a soft, dry cloth. Avoid using liquid cleaners or aerosols.
- Ensure the device is placed in a well-ventilated area to prevent overheating.
- Avoid exposing the KVM switch to extreme temperatures, humidity, or direct sunlight.
- Do not attempt to disassemble or repair the device yourself. Refer to qualified personnel for service.

## TROUBLESHOOTING

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

### 1. Unable to Display:

- Check if any conversion cables (e.g., HDMI to DP) are being used between the computer and the KVM switch. Conversion cables are not supported.
- Verify that the DisplayPort cables used are DP1.4 compliant and no longer than 6 feet (1.8 meters).
- Ensure all DisplayPort cables are securely connected to both the computers, the KVM switch, and the monitor.

## 2. Flickering Display:

- Test with a shorter, high-quality DP1.4 cable (e.g., 3.3 feet / 1 meter) to rule out cable issues.
- Adjust the resolution of your computer's display settings to a lower resolution to see if the flickering stops. This can help identify if the issue is related to bandwidth or cable quality at higher resolutions.
- Ensure the 12V power adapter is connected and providing stable power to the KVM switch.

## 3. USB Port Does Not Work:

- Verify that both computers are connected to the KVM switch with their respective USB-A cables (from PC to KVM's PC IN USB 3.0 port).
- If the USB device requires significant power (e.g., external hard drive), ensure it is independently powered. The KVM switch's USB ports may not provide sufficient current for high-power devices without external power.
- Avoid using mouse-keyboard combinations with macro functions, as these may sometimes cause compatibility issues.
- Ensure the 12V power adapter is connected to the KVM switch, as this provides stable power for USB devices.

## SPECIFICATIONS

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The CMSTEDCD 8K@60Hz Displayport KVM Switch offers the following technical specifications:

Feature	Specification
Model	VP-SW204
Video Resolution Support	Up to 8K@60Hz, 4K@120Hz
DisplayPort Standard	DP1.4
USB Ports	4 x USB 3.0 (backward compatible with USB 2.0/1.1/1.0)
USB Transfer Rate	Up to 5Gbps
Switching Methods	Button Switch, Desktop Controller
Operating Voltage	12 Volts
Current Rating	1 Amps
Item Dimensions (L x W x H)	5.9 x 2.55 x 0.86 inches
Compatibility	Windows, Linux (Not compatible with MacBooks)

# Broad Compatibility



Figure 7: Broad Compatibility. The KVM switch supports Windows and Linux operating systems.

## SUPPORT

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For any questions or difficulties encountered during the use of your CMSTEDCD KVM switch, please contact our technical support team. We are committed to providing professional assistance to help you resolve any issues.

Please refer to the product packaging or the official CMSTEDCD website for contact information.