CMSTEDCD SW523P

CMSTEDCD KVM Docking Station SW523P User Manual

Model: SW523P | Brand: CMSTEDCD

1. Introduction

The CMSTEDCD KVM Docking Station SW523P is designed to enhance productivity by allowing two computers (laptops or desktops) to share two monitors, a keyboard, mouse, and other USB peripherals. This 14-in-1 multi-port docking station supports dual monitor resolutions up to 4K120Hz and provides up to 100W Power Delivery (PD) for connected laptops. It streamlines your workspace by eliminating the need for repeated cable plugging and unplugging.

2. Package Contents

Please verify that all items are present in your package:

- KVM Docking Station (SW523P) x1
- DC20V Power Adapter x1
- USB-C to USB-C Cable x1
- USB 3.0 A-to-A Cable x1
- Desktop Controller x1
- User's Manual x1



Image: Contents of the SW523P package, including the docking station, cables, power adapter, desktop controller, and user manual.

3. Product Overview (Ports and Functions)

The CMSTEDCD KVM Docking Station SW523P features a comprehensive array of ports for connectivity and data transfer. Familiarize yourself with the port layout for proper setup.

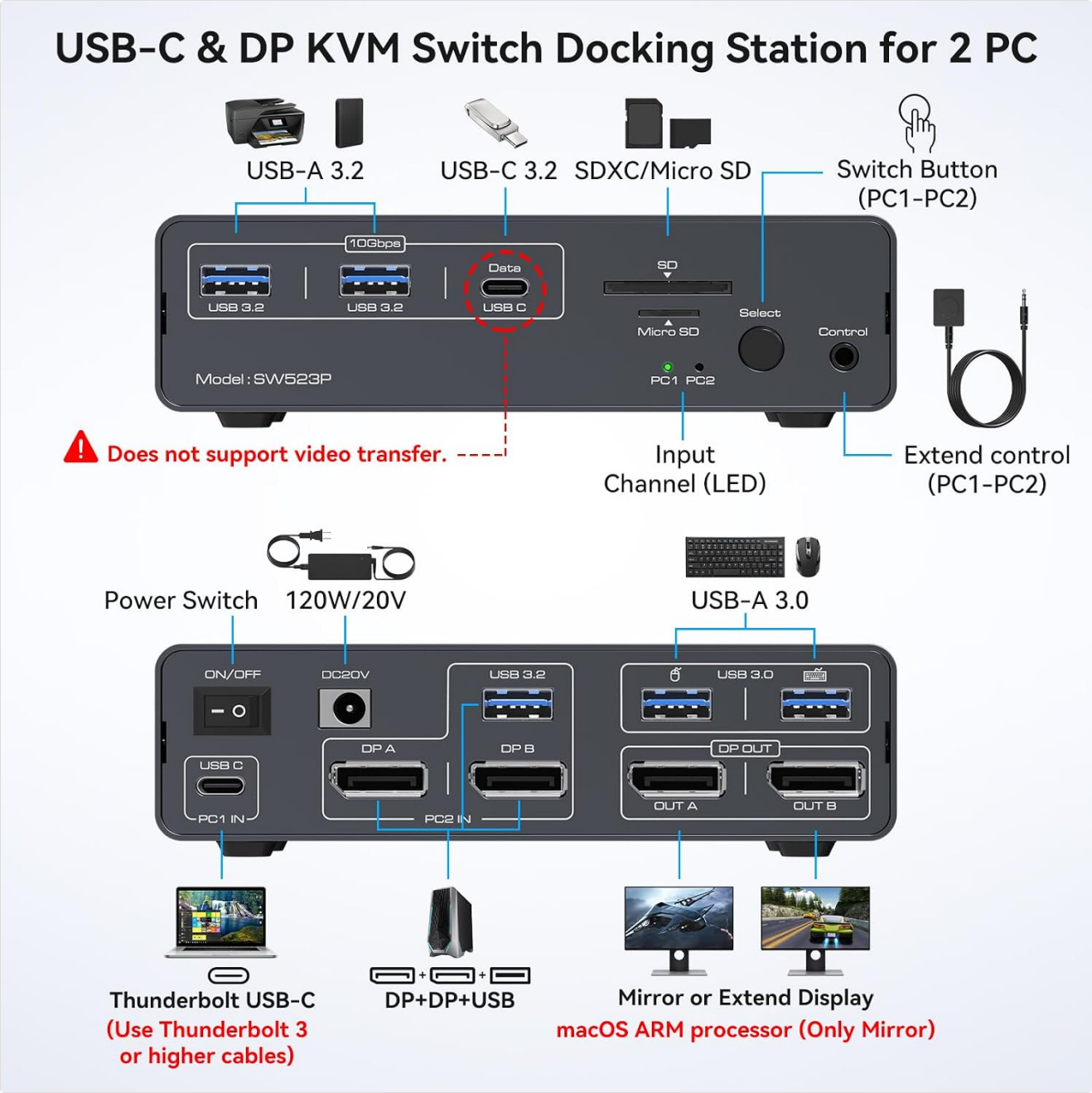


Image: Detailed view of the KVM docking station showing front and rear panel ports, including USB-C, USB 3.2, USB 3.0, DisplayPort inputs/outputs, SD/Micro SD slots, power input, and control ports.

Front Panel:

- **USB 3.2 (10Gbps) x2:** For high-speed data transfer devices.
- **USB-C (10Gbps) x1:** For high-speed data transfer devices. *Note: This port only supports data transfer, not video.*
- **SD Card Slot x1:** For SDXC card data transfer.
- **Micro SD Card Slot x1:** For Micro SD card data transfer.
- **Select Button (PC1-PC2):** Used to manually switch between connected computers.
- **Input Channel (LED):** Indicates the currently active computer (PC1 or PC2).
- **Control Port:** Connects to the external desktop controller.

Rear Panel:

- **ON/OFF Switch:** Power switch for the docking station.
- **DC20V Power Input:** Connect the provided 120W power adapter here.

- **USB-C (PC1 IN):** Connects to Computer 1 (USB-C laptop/Thunderbolt port). Supports up to 100W PD.
- **DP A (PC2 IN) x1:** DisplayPort input for Monitor A from Computer 2.
- **DP B (PC2 IN) x1:** DisplayPort input for Monitor B from Computer 2.
- **USB 3.2 (PC2 IN) x1:** USB data input for Computer 2.
- **USB 3.0 x2:** For connecting keyboard, mouse, or other low-bandwidth USB peripherals.
- **DP OUT A x1:** Connects to Monitor A.
- **DP OUT B x1:** Connects to Monitor B.



Image: Functional diagram illustrating the 14-in-1 capabilities, showing connections for mouse, keyboard, SDXC card, Micro SD card, flash disk, printer, laptop, and monitors.

4. Setup Instructions

Follow these steps to set up your KVM Docking Station:

1. **Power Connection:** Connect the DC20V Power Adapter to the docking station's power input port and plug it into a power outlet.

2. **Monitor Connection:** Connect your two monitors to the **DP OUT A** and **DP OUT B** ports on the rear panel of the docking station using DisplayPort cables.
3. **Peripheral Connection:** Connect your keyboard, mouse, and other USB peripherals (e.g., flash drives, printers) to the available USB 3.0, USB 3.2, and USB-C data ports on the front and rear panels.
4. **Computer 1 Connection (USB-C Laptop):** Use the provided USB-C to USB-C cable to connect your USB-C laptop's Thunderbolt port to the **USB-C (PC1 IN)** port on the rear panel. This connection handles video, data, and power delivery.
5. **Computer 2 Connection (Desktop/Laptop):**
    - Connect Computer 2's DisplayPort outputs to the **DP A (PC2 IN)** and **DP B (PC2 IN)** ports on the rear panel.
    - Connect Computer 2's USB port to the **USB 3.2 (PC2 IN)** port on the rear panel using the provided USB 3.0 A-to-A cable. This enables peripheral sharing for Computer 2.
6. **Desktop Controller (Optional):** Connect the desktop controller to the **Control Port** on the front panel for convenient remote switching.



Image: A visual representation of the KVM docking station setup, showing a laptop and a desktop connected to the device, sharing

two external monitors, a keyboard, and a mouse.

5. Operating Instructions

5.1 Switching Between Computers

The KVM docking station offers two methods for switching between PC1 and PC2:

- **Button Switch:** Press the **Select Button (PC1-PC2)** on the front panel of the docking station to toggle between the connected computers. The LED indicator will show which computer is active.
- **Desktop Controller:** Use the external desktop controller connected to the control port. Press the button on the controller to switch between computers. This allows for flexible placement of the docking station.

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



Image: Illustration of the two switching methods: directly pressing the select button on the docking station and using the external desktop controller.

5.2 Display Modes

The docking station supports various display configurations depending on your operating system:

- **Windows:** Supports dual-screen docking mode (extended display) and dual-screen mirroring mode. This allows for flexible multi-tasking or duplicating content across screens.
- **macOS:** Only supports mirroring mode. Extended display (ABC Mode) is not supported due to macOS limitations with USB-C Multi-Stream Transport (MST).

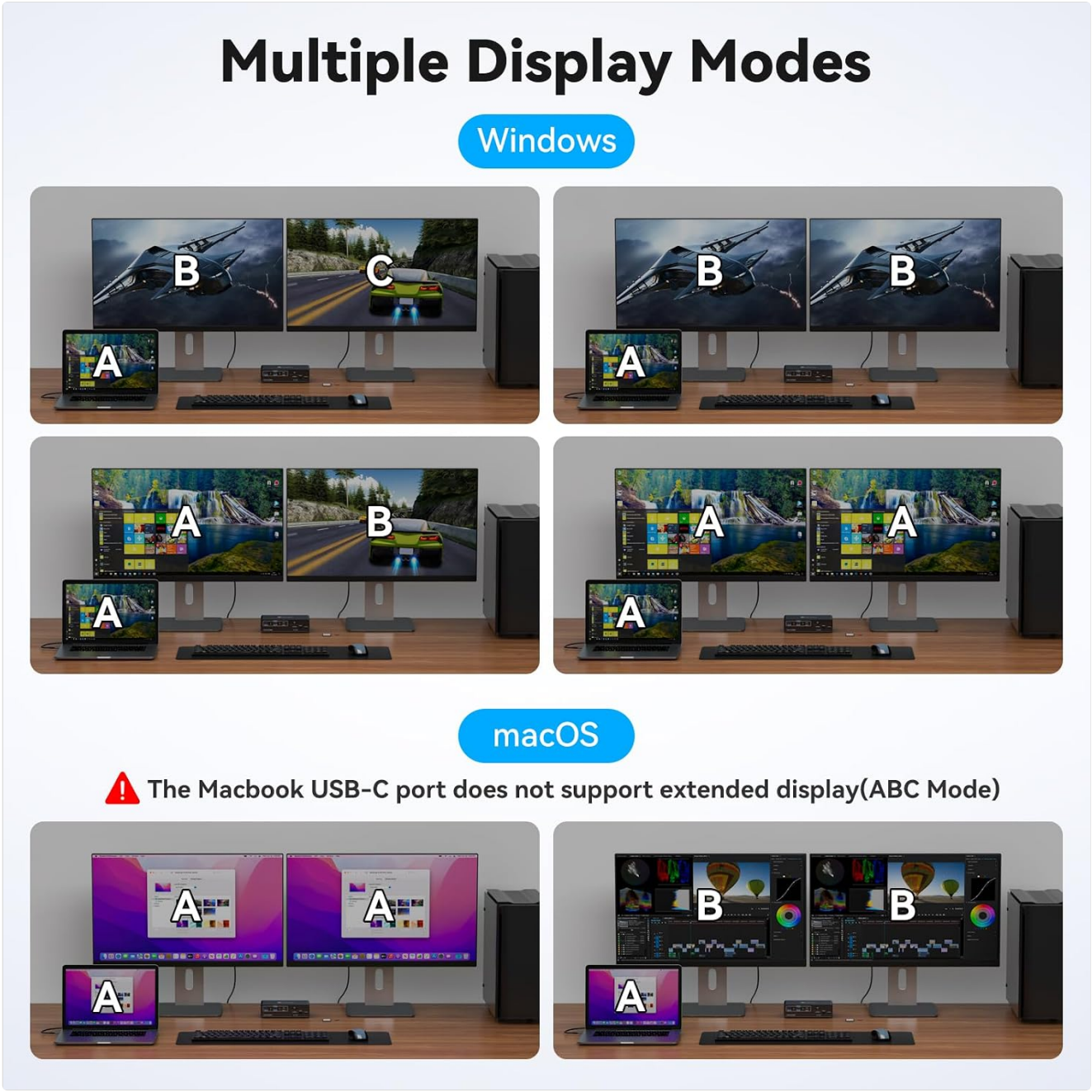


Image: Examples of multiple display modes, showing extended and mirrored displays for Windows, and only mirrored display options for macOS.



Image: Visual representation of dual DisplayPort output supporting resolutions up to 4K at 120Hz, ideal for high-resolution displays.

6. Power Delivery (PD)

The KVM docking station provides up to 100W Power Delivery (PD) through the USB-C (PC1 IN) port to charge your connected USB-C laptop. The included 120W power adapter ensures stable power for the docking station and all connected devices.



Image: Diagram showing a laptop receiving up to 100W of power from the KVM docking station, which is powered by a 120W adapter.

7. High-Speed Data Transfer

Utilize the USB 3.2 and USB-C data ports on the front panel for high-speed data transfer, supporting speeds up to 10Gbps (USB 3.2 Gen2). The integrated SD and Micro SD card slots provide convenient access for memory card data transfer.



Image: Close-up of the front panel showing USB 3.2 and USB-C data ports, along with SD and Micro SD card slots, indicating high-speed data transfer capabilities.

8. Specifications

Feature	Specification
Model	SW523P
Brand	CMSTEDCD
Material	Metal
Item Dimensions (L x W x H)	5.9 x 2.54 x 1.38 inches
Operating Voltage	20 Volts
Wattage	100 watts (PD)

Upper Temperature Rating	50 Degrees Celsius
Compatible Devices	USB C laptops, desktop computers
Video Output	Dual DisplayPort up to 4K@120Hz
Data Transfer Speed	USB 3.2 Gen2 up to 10Gbps
Switching Modes	Button Switch, Desktop Controller

9. Troubleshooting

If you encounter issues with your KVM Docking Station, please refer to the following common solutions:

9.1 USB Not Working

- Confirm that the USB 3.0/3.2 cable is properly connected between your computer and the KVM docking station.
- Verify that your computer's USB port is functioning correctly.
- Ensure that the latest USB drivers are installed on your computer.

9.2 Display Has No Image

- Confirm that the KVM video input ports (DP A, DP B) match the corresponding output displays (OUT A, OUT B).
- Ensure that the PC to KVM input cables are connected correctly. For example, Input A should correspond to OUT-A display, and Input B to OUT-B display.
- Use high-quality DisplayPort cables, preferably 3.3ft or shorter. Conversion cables are not supported.
- If an adapter is required for your display setup, use an active adapter.

10. Warranty and Support

The CMSTEDCD KVM Docking Station SW523P comes with a**2-year warranty**. If you experience any issues within 24 months of purchase, please contact us for technical support, product replacement, or refund services.
For further assistance, you can reach our 24/7 online support team via email at vpfetus@163.com.

11. Product Video

Watch the official product video for a visual guide on the CMSTEDCD KVM Docking Station SW523P's features and functionality.

Your browser does not support the video tag.

Video: An official product video demonstrating the features and usage of the CMSTEDCD KVM Docking Station SW523P, including port overview, display modes, and switching functions.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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.

Submit question