CMSTEDCD SW332-0910

CMSTEDCD 4K144Hz HDMI + 2 DisplayPort KVM Switch User Manual

Model: SW332-0910

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CMSTEDCD 4K144Hz HDMI + 2 DisplayPort KVM Switch, Model SW332-0910. This device allows you to control up to three computers from a single set of keyboard, mouse, and three monitors, supporting high resolutions up to 8K@60Hz or 4K@144Hz. It is designed for users requiring efficient management of multiple systems with advanced display capabilities.
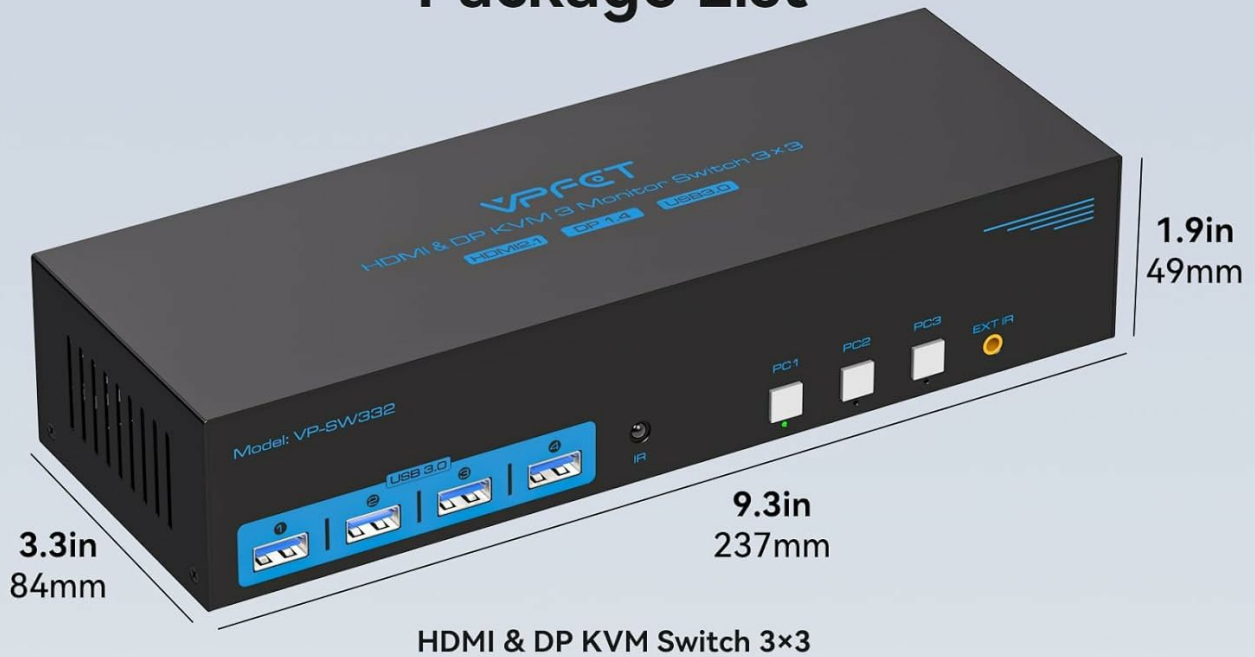
2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1x CMSTEDCD 4K144Hz HDMI + 2 DisplayPort KVM Switch (Model SW332-0910)
- 3x USB 3.0 A-to-A Cables
- 1x IR Extend Cable
- 1x IR Remote Control
- 1x DC 12V Power Adapter
- 1x User Manual

Image: The KVM switch unit with its front and rear panels visible, alongside the included USB 3.0 cables, IR extender, remote control, and power adapter.

Package List

1.9in 49mm

Model: VP-SW332

USB 3.0

9.3in 237mm

3.3in 84mm

HDMI & DP KVM Switch 3×3

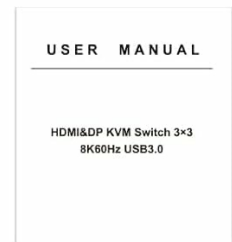USB3.0 Cable ×3   IR Extend   IR Control   DC12V Adapter   User manual

Image: A visual representation of the KVM switch and all accessories included in the package, with dimensions of the main unit.

3. PRODUCT OVERVIEW

3.1 Key Features

- **3 Computers, 3 Monitors:** Control three computers using one keyboard, mouse, and three monitors.
- **High Resolution Support:** Supports resolutions up to 8K@60Hz (HDMI 2.1, DP 1.4) and 4K@144Hz.
- **USB 3.0 Ports:** Four USB 3.0 ports for high-speed data transfer (up to 5Gbps), 10 times faster than USB 2.0.
- **Multiple Switching Methods:** Switch between computers using front panel buttons or the included IR remote control.
- **Display Modes:** Supports extended and copy (mirror) display modes across three monitors.

3.2 Front and Rear Panel Layout

Familiarize yourself with the ports and indicators on the KVM switch.

Image: Top-down view of the KVM switch showing the front panel with USB 3.0 ports and PC selection buttons, and the rear panel with input/output ports.

- **Front Panel:** USB 3.0 ports (for keyboard, mouse, USB devices), PC selection buttons (PC1, PC2, PC3), IR receiver port.
- **Rear Panel:** DC 12V power input, ON/OFF switch, PC input ports (PC1 IN, PC2 IN, PC3 IN - each with USB 3.0, DP A, DP B, HDMI C), Monitor output ports (OUT A, OUT B, OUT C).

3.3 Resolution and USB Speed

Image: Three monitors displaying high-resolution content, with the KVM switch and remote control in the foreground, highlighting support for 8K@60Hz (HDMI 2.1, DP 1.4) and 4K@144Hz.
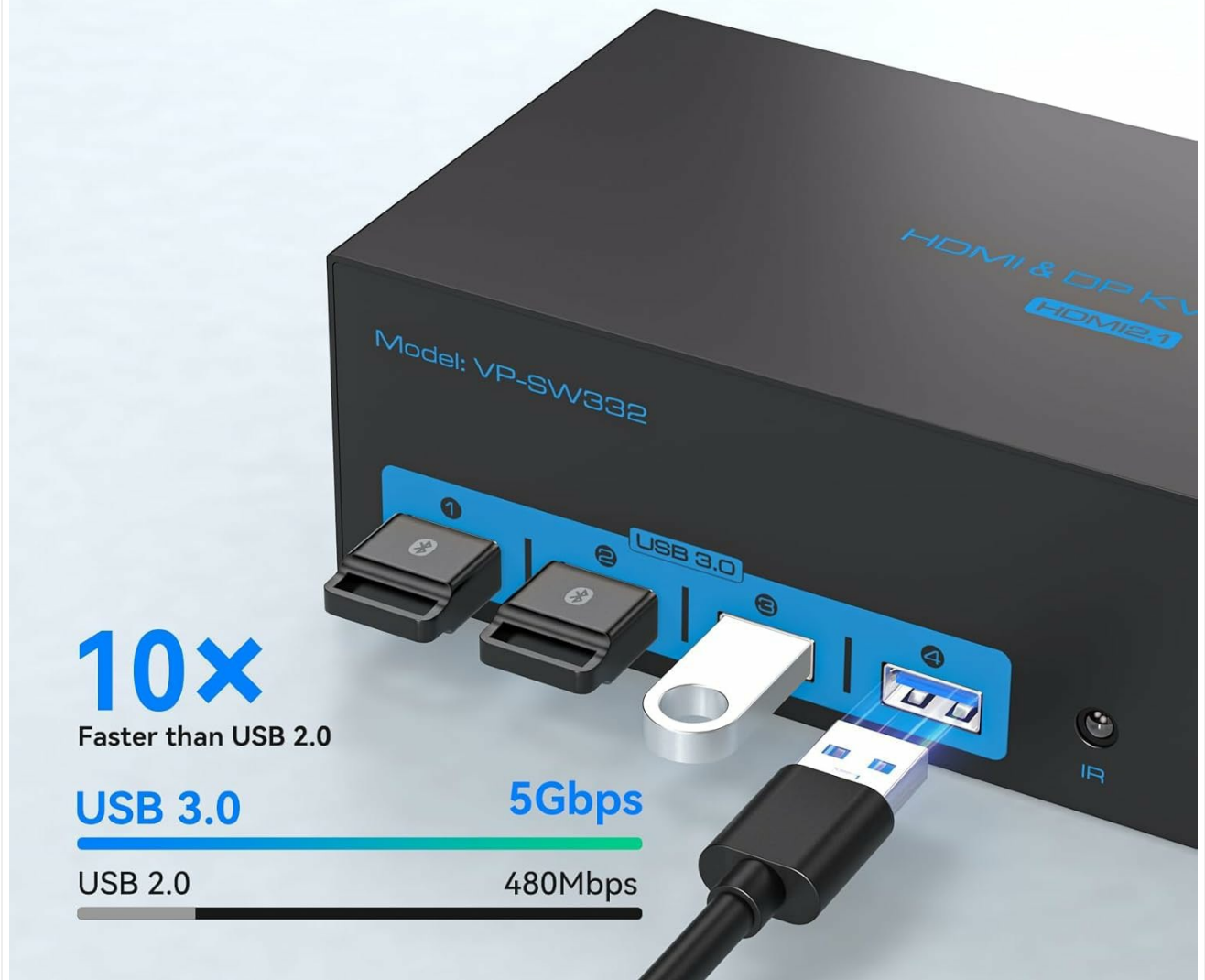
Image: A close-up of the KVM switch's USB 3.0 ports with a USB drive connected, illustrating 10x faster transfer speeds (5Gbps) compared to USB 2.0 (480Mbps).

4. Setup Guide

Follow these steps to connect your computers and monitors to the KVM switch.
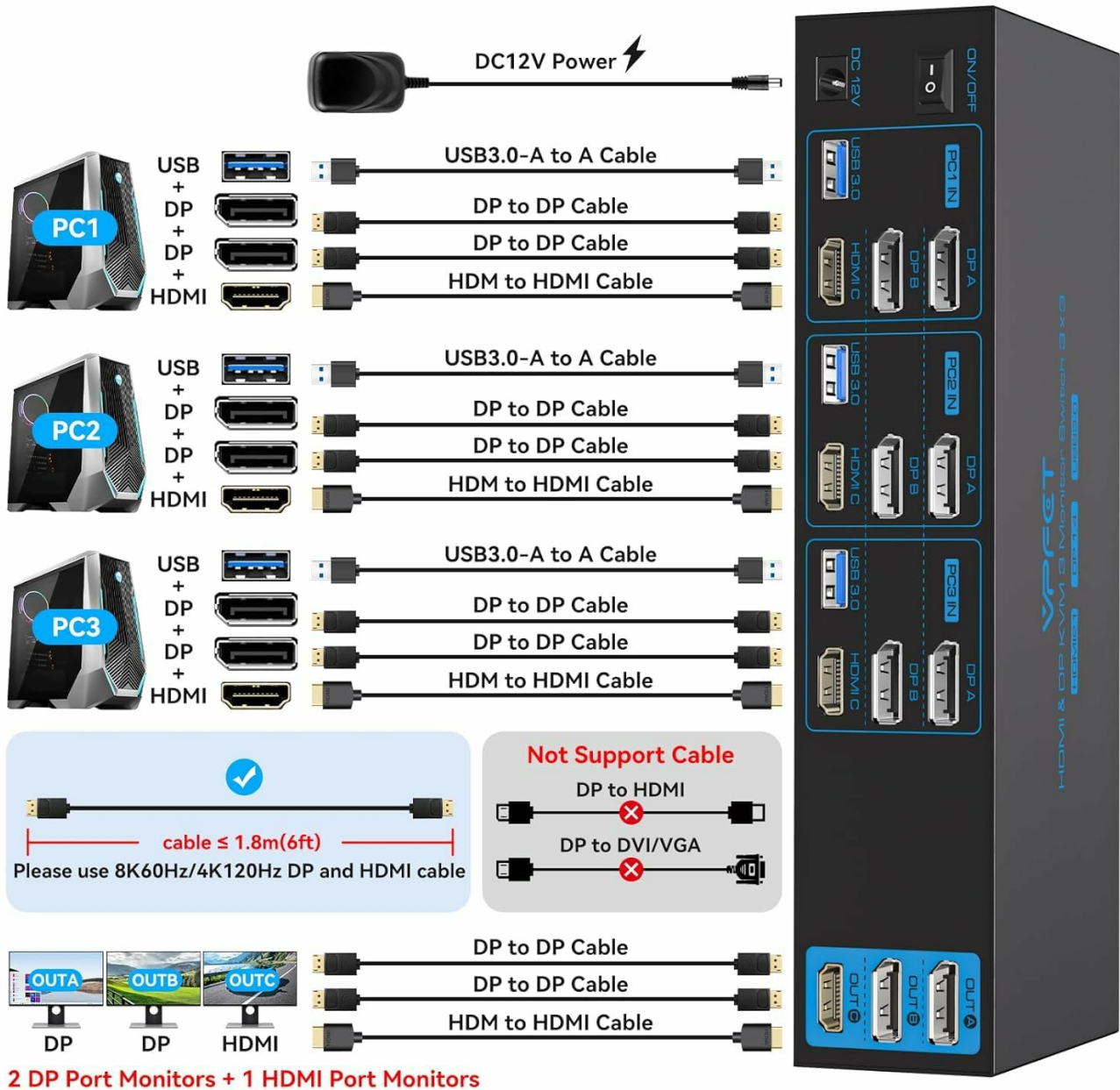
4.1 Connection Diagram

Image: A comprehensive diagram illustrating how to connect three PCs (each requiring 2 DisplayPort, 1 HDMI, and 1 USB 3.0 port) to the KVM switch, and then connecting three monitors to the KVM switch outputs.

4.2 Step-by-Step Connection

1. **Power Off Devices:** Ensure all computers and monitors are powered off before making any connections.

2. **Connect Monitors to KVM Output:** Connect your three monitors to the KVM switch's OUT A, OUT B, and OUT C ports using appropriate DisplayPort and HDMI cables.

3. **Connect Computers to KVM Input:** For each computer (PC1, PC2, PC3):

   - Connect two DisplayPort cables from the computer's graphics card to the KVM's DP A and DP B input ports for that PC.

   - Connect one HDMI cable from the computer's graphics card to the KVM's HDMI C input port for that PC.

   - Connect one USB 3.0 A-to-A cable from a USB 3.0 port on your computer to the corresponding USB 3.0 input port on the KVM for that PC.

   Important: Each PC must have 2 DisplayPort, 1 HDMI, and 1 USB 3.0 port available for full functionality.

4. **Connect Peripherals:** Connect your USB keyboard, mouse, and any other USB 3.0 devices to the USB 3.0 ports on the front panel of the KVM switch.

5. **Connect IR Extender (Optional):** If using the IR remote control from a distance, connect the IR extend cable to the 'EXT IR' port on the KVM switch.

6. **Power On KVM:** Connect the DC 12V power adapter to the KVM switch and plug it into a power outlet. Turn on the KVM switch using the ON/OFF button.

7. **Power On Computers and Monitors:** Power on your monitors and then your computers.

4.3 Important Notes

- Use high-quality 8K@60Hz or 4K@120Hz DisplayPort and HDMI cables for optimal performance.

- Cable length for DisplayPort and HDMI should generally be ≤ 1.8m (6ft) for 8K/4K120Hz resolutions to ensure signal integrity.

- This KVM switch does **not** support DP to HDMI, DP to DVI, or DP to VGA adapter cables. Direct DP and HDMI connections are required.

5. OPERATING INSTRUCTIONS

5.1 Switching Between Computers

You can switch between connected computers using two methods:

Image: Two panels showing the KVM switch. The top panel illustrates a finger pressing a PC selection button on the front of the unit. The bottom panel shows a hand holding the remote control, with the IR extender connected to the KVM switch.

1. **Button Switch:** Press the 'PC1', 'PC2', or 'PC3' button on the front panel of the KVM switch to select the desired computer. The LED indicator next to the button will illuminate to show the active PC.

2. **Remote Control:** Use the included IR remote control. Press the corresponding number button (1, 2, or 3) to switch to PC1, PC2, or PC3. Ensure the IR extender is positioned to receive signals from the remote.

5.2 Display Modes

The KVM switch supports both extended and copy (mirror) display modes, allowing you to configure your three monitors as desired through your computer's display settings.

Image: A desktop setup with three monitors displaying an extended desktop from a single PC, demonstrating the KVM's ability to manage multiple displays for one computer.

After switching to a computer, you may need to adjust its display settings (e.g., Windows Display Settings or macOS System Preferences) to configure your monitors for extended desktop or mirroring, depending on your workflow.

6. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid or aerosol cleaners.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Power:** Always use the provided DC 12V power adapter. Using an incorrect adapter may damage the device.
- **Environment:** Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

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.	Incorrect cable connections, KVM not powered, incorrect input selected, display settings on PC.	1. Check all DisplayPort and HDMI cables are securely connected. 2. Ensure the KVM switch is powered on. 3. Select the correct PC input on the KVM. 4. Verify display settings on your computer (e.g., detect displays, extend/duplicate). 5. Ensure cables are within recommended length (≤ 1.8m).
Keyboard/Mouse not working.	USB cable not connected, KVM not powered, KVM in wrong mode.	1. Ensure the USB 3.0 A-to-A cable is connected from the PC to the KVM. 2. Check that the keyboard/mouse are connected to the KVM's front USB ports. 3. Ensure the KVM is powered on and the correct PC is selected.
Poor video quality or flickering.	Low-quality or long cables, resolution/refresh rate mismatch.	1. Use high-quality DisplayPort and HDMI cables, preferably 8K/4K120Hz certified. 2. Ensure cable lengths are not excessive (≤ 1.8m for high resolutions). 3. Check that your graphics card and monitors support the selected resolution and refresh rate.
Remote control not responding.	IR extender not connected/positioned, dead batteries.	1. Ensure the IR extend cable is securely connected to the 'EXT IR' port and positioned to receive signals. 2. Replace batteries in the remote control.

8. SPECIFICATIONS

Feature	Detail
Model Number	SW332-0910
Brand	CMSTEDCD
Input Ports	3x USB 3.0, 6x DisplayPort (DP A, DP B), 3x HDMI (HDMI C)
Output Ports	4x USB 3.0 (front panel), 3x DisplayPort/HDMI (monitor outputs)
Video Resolution	Up to 8K@60Hz (HDMI 2.1, DP 1.4), 4K@144Hz
USB Data Transfer	USB 3.0, up to 5Gbps
Switching Methods	Front panel buttons, IR remote control
Power Supply	DC 12V
Product Dimensions	28.45 x 11.94 x 9.91 cm (11.2 x 4.7 x 3.9 inches)
Item Weight	1.01 kg (2.23 lbs)
International Protection Rating	IP00

9. WARRANTY AND SUPPORT

CMSTEDCD products are designed for reliability and performance. This product comes with a standard manufacturer's

warranty. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact CMSTEDCD customer support.

If you require technical assistance or have questions not covered in this manual, please contact our customer support team through the retailer's platform or the contact information provided with your purchase.

Related Documents - SW332-0910

USER MANUAL Dual Monitor KVM Switch 2x2 4K60Hz USB2.0	[Dual Monitor KVM Switch 2x2 4K60Hz USB2.0 User Manual](#) User manual for the CMSTEDCD Dual Monitor KVM Switch 2x2, supporting 4K60Hz resolution and USB 2.0 connectivity. Includes safety instructions, features, specifications, panel descriptions, connection diagrams, and troubleshooting guide.
USER MANUAL Dual Monitor KVM Switch 2x2 8K60Hz USB3.0	[Dual Monitor KVM Switch 2x2 8K60Hz USB3.0 User Manual](#) User manual for the Dual Monitor KVM Switch 2x2, supporting 8K60Hz and USB 3.0. Includes safety instructions, features, specifications, package contents, connection diagrams, and troubleshooting.
USER MANUAL HDMI&DP KVM Switch 3x3 8K60Hz USB3.0	[NÖRDIC HDMI&DP KVM Switch 3x3 8K60Hz USB3.0 User Manual | SW332](#) Comprehensive user manual for the NÖRDIC HDMI&DP KVM Switch 3x3, supporting 8K60Hz resolution and USB 3.0 connectivity. Features, specifications, panel descriptions, connection diagrams, and usage instructions for model SW332.
USER MANUAL Dual Monitor KVM Switch 2x2 4K60Hz USB2.0	[Dual Monitor KVM Switch 2x2 4K60Hz USB2.0 User Manual](#) User manual for the CMSTEDCD Dual Monitor KVM Switch 2x2, supporting 4K60Hz resolution and USB 2.0 connectivity. Includes safety instructions, features, specifications, panel descriptions, connection diagrams, and troubleshooting guide.
USER MANUAL Dual Monitor KVM Switch 2x2 8K60Hz USB3.0	[Dual Monitor KVM Switch 2x2 8K60Hz USB3.0 User Manual](#) User manual for the Dual Monitor KVM Switch 2x2, supporting 8K60Hz and USB 3.0. Includes safety instructions, features, specifications, package contents, connection diagrams, and troubleshooting.
	[Max Light Laser Level User Manual](#) User manual for the Max Light 3D ground and wall sticker laser level, providing instructions, specifications, safety precautions, and maintenance guidelines.