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KCEVE KC-203CDHX

KCEVE Triple Monitor KVM Switch (Model KC-203CDHX) User Manual

Connect 1 Laptop and 1 Desktop to 3 Monitors

1. PRODUCT OVERVIEW

The KCEVE Triple Monitor KVM Switch (Model KC-203CDHX) allows you to control two computers (one laptop and one desktop) using a single set of keyboard, mouse, and three monitors. This device is ideal for optimizing your workspace by reducing cable clutter and enabling seamless switching between systems. It supports high-resolution video output, fast data transfer, and power delivery for compatible laptops.

KVM Switch 3 Monitors for 1 Laptop and 1 Desktop

2 PC Share 3 Monitors(HDMI+HDMI+DP)and 4 USB Ports



The KCEVE KVM Switch enables a single user to operate two computers (laptop and desktop) across three shared monitors, keyboard, and mouse.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x KCEVE Triple Monitor KVM Switch (Model KC-203CDHX)
- 1 x USB-C to USB-C Cable
- 1 x USB-A to USB-B Cable
- 1 x DC 12V Power Adapter
- 1 x Wired Remote Control (1.5m)
- 1 x User Manual

Two Switching Methods

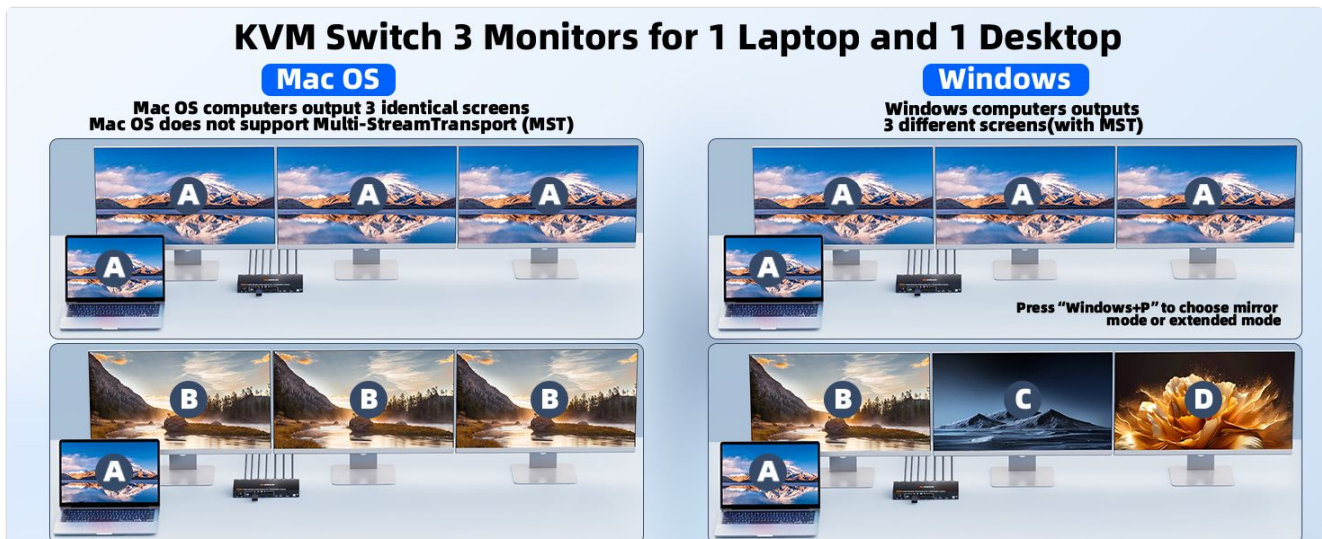
Easily switch between 2 computers



Contents included in the KVM Switch package.

3. PRODUCT DIAGRAM

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



Front and rear panel layout of the KVM Switch with port labels.

Front Panel:

- **ON/OFF Switch:** Power toggle for the KVM switch.
- **USB 3.1 Ports (4x):** Connect USB peripherals such as keyboard, mouse, USB drives, and printers. Supports up to 10Gbps data transfer.
- **Laptop/Desktop Indicators:** LEDs to show which computer is currently selected.
- **SELECT Button:** Manually switch between connected computers.
- **Wired Remote Port:** Connect the included wired remote control.

Rear Panel:

- **Monitor Outputs (3x):** Connect to your three monitors (1x DisplayPort, 2x HDMI).
- **PC 2 Input (Desktop):** Connect to your desktop PC (1x DisplayPort, 1x USB-B 3.1).
- **PC 1 Input (Laptop):** Connect to your laptop (1x USB-C 3.1 with PD, 1x USB-C for video/data).
- **DC 12V Power Input:** Connect the provided 12V power adapter.

4. SETUP INSTRUCTIONS

Follow these steps to connect your KVM switch:

1. **Power Connection:** Connect the DC 12V power adapter to the KVM switch's DC 12V input port and plug it into a power outlet.
2. **Monitor Connections:** Connect your three monitors to the KVM switch's Monitor Output ports (1x DisplayPort, 2x HDMI). Ensure your monitors are powered on.
3. **Desktop PC Connection (PC 2):**
 - Connect a DisplayPort cable from your desktop PC's graphics card to the KVM switch's PC 2 DisplayPort input.
 - Connect the USB-A to USB-B cable from your desktop PC's USB-A port to the KVM switch's PC 2 USB-B input.
4. **Laptop Connection (PC 1):**
 - Connect a USB-C cable from your laptop's USB-C port (which supports video output and Power Delivery) to the KVM switch's PC 1 USB-C input. This single cable handles video, data, and power delivery to your laptop.
 - *Note:* Ensure your laptop's USB-C port supports DisplayPort Alternate Mode (DP Alt Mode) and Power Delivery for full functionality.
5. **Peripheral Connections:** Connect your keyboard, mouse, and any other USB peripherals (e.g., USB drive, printer) to the USB 3.1 ports on the front panel of the KVM switch.
6. **Wired Remote (Optional):** Connect the wired remote control to its dedicated port on the front panel for convenient switching.
7. **Power On:** Turn on the KVM switch using the ON/OFF switch. Power on both your desktop PC and laptop.

The KVM switch is plug-and-play and typically does not require driver installation for Windows, macOS, Chrome OS, Linux, Unix, and Ubuntu systems.

5. OPERATING INSTRUCTIONS

Switching Between Computers:

You can switch between your connected laptop and desktop using two methods:

- **Physical Button:** Press the 'SELECT' button on the front panel of the KVM switch. The LED indicators will show which computer is active.
- **Wired Remote Control:** Press the button on the wired remote control. This allows for convenient switching if the KVM unit is out of reach.



10Gbps

USB 3.1 offers 10Gbps Ultra-fast data transfer

20X Faster Than USB 2.0

USB Standard	Speed
USB 3.1	10Gbps
USB 2.0	480Mbps

Two methods for switching between connected computers.

Display Modes (Extended & Mirror):

The KVM switch supports both extended and mirror display modes for your monitors. You can switch between these modes using your operating system's display settings.

- **Extended Mode:** Each monitor displays independent content, expanding your desktop workspace.
- **Mirror Mode:** All monitors display the same content, duplicating your desktop.

For Windows users, press **Windows + P** to quickly access display mode options.



Visual representation of Extended Mode and Mirror Mode for triple monitor setups.

Multi-Stream Transport (MST) Functionality:

This KVM switch supports MST, which simplifies connecting multiple displays. For laptops, a single USB-C port can drive all three displays. For desktops, a single DisplayPort connection can manage all three displays.

- **Windows:** Windows computers can output three different screens (extended mode) with MST.
- **macOS:** macOS computers typically output three identical screens (mirror mode) as macOS does not natively support Multi-Stream Transport (MST) for extended displays across multiple external monitors from a single port.

KVM Switch with MST Function for DP & USB-C

Output to 3 Monitors with just 1 USB-C or DP cable

Mac OS

Mac OS computers output 3 identical screens



Windows

Windows computers outputs 3 different screens (with MST)



MST functionality for Windows and macOS systems.

Power Delivery (PD) for Laptops:

The KVM switch's USB-C input for PC 1 (Laptop) supports 100W Power Delivery, allowing it to charge your compatible laptop while connected. This eliminates the need for a separate laptop charger.

Two Switching Methods

Easily switch between 2 computers



Laptop charging via the KVM switch's 100W Power Delivery port.

6. MAINTENANCE

To ensure optimal performance and longevity of your KVM switch:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid liquid cleaners or abrasive materials.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Cable Management:** Keep cables organized and free from kinks or excessive bending to prevent damage.
- **Power Off:** If the device will not be used for an extended period, it is recommended to power it off and disconnect the power adapter.

7. TROUBLESHOOTING

If you encounter issues, refer to the following troubleshooting tips:

- **No Display on Monitors:**
 - Ensure all video cables (HDMI, DisplayPort, USB-C) are securely connected to both the KVM switch and your computers/monitors.
 - Verify that the KVM switch is powered on and the correct computer is selected (check LED indicators).
 - Check your computer's display settings to ensure the monitors are detected and configured correctly (e.g., extended or duplicate mode).
 - Confirm that your laptop's USB-C port supports DisplayPort Alternate Mode.
 - If connecting to a desktop, ensure your graphics card supports the required resolution and refresh rate for three monitors.
 - *Note:* For triple 4K@60Hz output from a desktop, your computer needs to support 8K signal output. Otherwise, the resolution may decrease.
- **Keyboard/Mouse Not Responding:**
 - Ensure your keyboard and mouse are connected to the USB 3.1 ports on the KVM switch's front panel.
 - Verify the USB cables connecting your computers to the KVM switch are securely plugged in.
 - Try connecting the peripherals directly to your computer to confirm they are functional.
 - Restart the KVM switch and your computers.
- **Laptop Not Charging:**

- Ensure your laptop's USB-C port supports Power Delivery (PD).
- Verify the USB-C cable used is rated for 100W PD.
- Confirm the KVM switch's DC 12V power adapter is connected and receiving power.

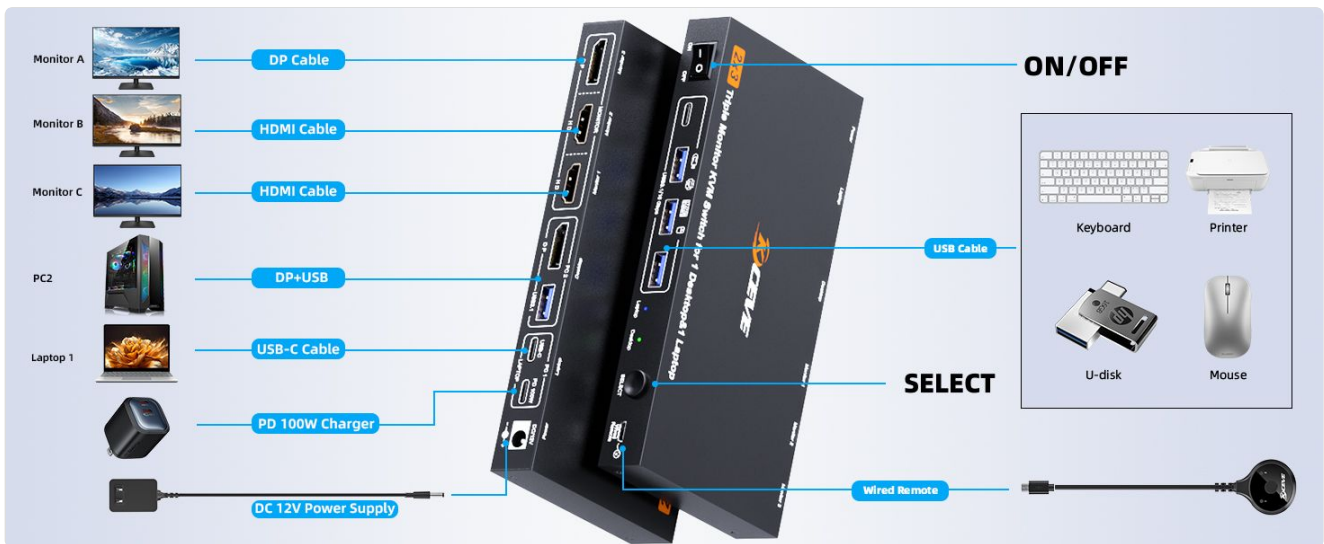
- **Intermittent Connection/Unstable Operation:**

- Ensure the DC 12V power adapter is connected and providing stable power to the KVM switch.
- Check all cable connections for looseness or damage.
- Reduce the number of high-bandwidth USB devices connected if experiencing issues.

8. SPECIFICATIONS

Detailed technical specifications for the KCEVE Triple Monitor KVM Switch:

Feature	Specification
Model Number	KC-203CDHX
Input Ports (PC 1 Laptop)	1x USB-C (Video, Data, 100W PD)
Input Ports (PC 2 Desktop)	1x DisplayPort, 1x USB-B 3.1
Output Ports (Monitors)	1x DisplayPort, 2x HDMI
USB Peripheral Ports	4x USB 3.1 (10Gbps)
Video Resolution (Desktop)	Triple 4K@60Hz (requires 8K signal output from PC)
Video Resolution (Laptop)	2x 4K@60Hz + 1x 1080P@60Hz
USB Data Transfer Speed	Up to 10Gbps (USB 3.1)
Power Delivery	100W (for laptop charging via USB-C)
Switching Methods	Physical Button, Wired Remote Control
Operating System Compatibility	Windows 7/8/10/11/XP/Vista, Mac OS, Chrome OS, Linux, Unix, Ubuntu
Dimensions (L x W x H)	6.3 x 3.2 x 0.8 inches (160 x 81.2 x 19.2 mm)
Item Weight	10.9 ounces
Material	Metal
Operating Voltage	12 Volts
Current Rating	1 Amps



The KVM switch supports 4K@60Hz resolution for an enhanced visual experience.



Package List

- 1 x KVM Switch
- 1 x USB C Cable
- 1 x USB A Cable
- 1 x DC 12V Charger
- 1 x Wired Remote(1.5m)
- 1 x User Manual

USB 3.1 ports provide ultra-fast 10Gbps data transfer speeds.

9. WARRANTY AND SUPPORT

The KCEVE Triple Monitor KVM Switch comes with a **12-month after-sale support** period. If you encounter any problems or have questions regarding the product, please contact KCEVE customer support for assistance. Our team is dedicated to resolving any issues you may experience.

For technical support or warranty claims, please refer to the contact information provided on the KCEVE official website or your purchase documentation.