camgeet KVM Switch 3 Monitors 4 Computers 403DH2

User Manual: KVM Switch 3 Monitors 4 Computers 4K@60Hz

Model: KVM Switch 3 Monitors 4 Computers 403DH2

PRODUCT OVERVIEW

The camgeet KVM Switch (Model: KVM Switch 3 Monitors 4 Computers 403DH2) is designed to allow up to four computers to share a single set of three monitors, a keyboard, mouse, and other USB 3.0 peripherals. This device supports high-resolution video output up to 4K@60Hz and 2K@120Hz, making it suitable for demanding visual applications. It features 2 HDMI and 1 DisplayPort inputs per computer, along with 4 integrated USB 3.0 ports for high-speed data transfer.

Key features include EDID simulation for stable display, driver-free operation across various operating systems, and flexible switching options via a panel button or wired remote control.

Figure 1: Front and back view of the KVM Switch, showing input/output ports and control buttons.

SETUP INSTRUCTIONS

To ensure proper functionality, each computer connected to the KVM switch requires specific cable connections for video and USB data. Please follow the steps below for a successful setup:

1. **Power Connection:** Connect the provided 12V power adapter to the DC/12V port on the KVM switch and plug it into a power outlet.

2. **Monitor Connections:** Connect your three monitors to the KVM switch's output ports (OUT A, OUT B, OUT C) using appropriate HDMI and DisplayPort cables.

3. **Computer Connections (Per PC):** For each computer (PC1, PC2, PC3, PC4), connect the following cables to the corresponding input ports on the KVM switch:

   - Two HDMI cables to the HDMI input ports (e.g., INPUT A1, INPUT B1 for PC1).
   - One DisplayPort cable to the DP input port (e.g., INPUT C1 for PC1).
   - One USB 3.0 cable from your computer's USB port to the KVM switch's USB 3.0 input port (e.g., USB 3.0 for PC1). This cable enables keyboard, mouse, and other USB peripheral sharing.

   Note: If your PC lacks the required 2 HDMI + 1 DisplayPort outputs, adapters (e.g., DP to HDMI, USB-C to DP/HDMI) may be necessary. Ensure all video and USB cables are securely connected for each computer.

4. **Peripheral Connections:** Connect your keyboard, mouse, printer, USB flash drive, or other USB 3.0 devices to the integrated USB 3.0 ports on the front panel of the KVM switch.

5. **Wired Remote (Optional):** If desired, connect the wired remote control to the designated port on the KVM switch for convenient switching.

Figure 3: Example setup showing the KVM switch connecting four computers to three shared monitors and USB devices.

OPERATING INSTRUCTIONS

The KVM switch offers multiple methods for switching between connected computers and managing display modes.

Switching Between Computers

- **Front Panel Buttons:** Press the corresponding PC1, PC2, PC3, or PC4 button on the front panel of the KVM switch to select the desired computer. An LED indicator will illuminate next to the active computer.

- **Wired Remote Control:** Use the included wired remote control to switch between computers. Simply press the button on the remote to cycle through the connected PCs.

Figure 4: Illustration of switching methods: directly via front panel buttons or using the wired remote control.

Display Modes

The KVM switch supports two primary display modes for your triple monitor setup:

- **Extended Mode:** This mode allows you to display three different screens across your three monitors, extending your desktop workspace.
- **Mirror Mode:** This mode duplicates the same content across all three monitors.

You can typically switch between these display modes using your computer's operating system display settings (e.g., Windows + P shortcut on Windows, or Display Preferences on macOS/Linux).

Figure 5: Visual representation of Mirror mode (identical content on all screens) and Extended mode (different content across screens).

EDID Emulation

The KVM switch features EDID (Extended Display Identification Data) emulation on its HDMI ports. This technology helps maintain display settings and prevents screen rearrangement when switching between computers, ensuring a smoother transition. Please note that DisplayPort does not support EDID emulation on this device.
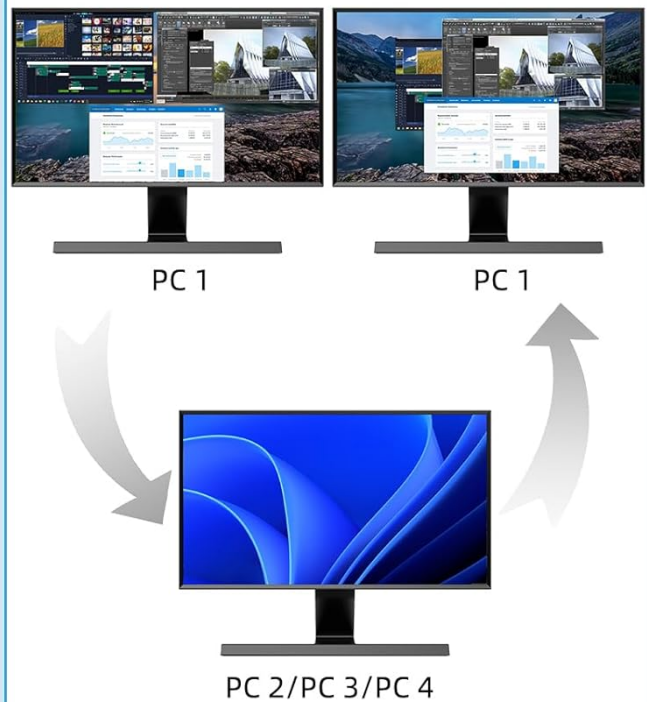
2 * HDMI supports EDID emulation
Note: DP does not support EDID emulation

With simulation EDlD

PC 1

PC 1

PC 2/PC 3/PC 4

No simulation EDlD

PC 1

PC 1

PC 2/PC 3/PC 4

When switching to PC2/PC3/PC4 ,PC1 remains connected to the monitor by default

Figure 6: Explanation of EDID emulation, showing how PC1 remains connected to the monitor by default when switching to other PCs.

MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the KVM switch. Avoid using liquid cleaners, aerosols, or abrasive solvents, as these can damage the device.

- **Environment:** Place the KVM switch in a well-ventilated area, away from direct sunlight, excessive heat, moisture, or dust. Ensure there is adequate airflow around the unit.

- **Cable Management:** Keep cables organized and avoid sharp bends or excessive tension, which can damage the cables or ports.

- **Power Off When Not in Use:** If the KVM switch will not be used for an extended period, it is advisable to power it off and disconnect it from the power source.

TROUBLESHOOTING

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

- **No Display/Incorrect Resolution:**
  - Ensure all video cables (HDMI, DisplayPort) are securely connected between the KVM switch, computers, and monitors.
  - Verify that the KVM switch is powered on and the correct PC input is selected.
  - Check your computer's display settings to ensure the correct resolution and refresh rate are selected (up to 4K@60Hz or 2K@120Hz).
  - If using adapters (e.g., USB-C to DP/HDMI), ensure they are compatible and functioning correctly. Some USB-C to USB cables may not work for Mac connections; a hardware USB to USB-C adapter is recommended.
  - Try unplugging and replugging all cables, including power, to reset connections.
  - Note that final resolution is subject to graphic cards, monitors, cables, and adapters.

- **Keyboard/Mouse/USB Devices Not Working:**
  - Ensure the USB 3.0 cables are securely connected from each computer to the KVM switch's USB input ports.
  - Verify that your USB peripherals are connected to the USB 3.0 ports on the KVM switch.
  - Try connecting the USB devices directly to the computer to confirm they are functional.
  - Some operating systems, particularly Linux, might require specific drivers or configurations for USB devices when routed through a KVM.
  - If issues persist, try different USB ports on the KVM or different USB cables.

- **Switching Delays or Instability:**
  - Ensure all cables are of good quality and within recommended lengths.
  - Power cycle the KVM switch and all connected computers.
  - For macOS users, sometimes a restart of the macOS system is required after switching to ensure all three monitors are recognized and active. This may be an OS-specific behavior rather than a KVM issue.

SPECIFICATIONS

Feature	Detail
Model Number	KVM Switch 3 Monitors 4 Computers 403DH2
Brand	camgeet
Video Inputs	2 x HDMI, 1 x DisplayPort per PC (for 4 PCs)
Video Outputs	3 x Monitor Outputs (HDMI/DP)
USB Ports	4 x USB 3.0 (5Gbps data transfer)
Max Resolution	4K@60Hz, 2K@120Hz
Switching Method	Front Panel Button, Wired Remote
Material	Metal
Dimensions (L x W x H)	21 x 7.8 x 4.5 cm
Weight	580 Grams
Included Components	KVM Switch, 4x USB 3.0 cables, Wired remote, 12V power adapter, User manual

Packing List

212mm

EDID · 4K 60Hz · 5Gbps · USB 3.0

ON · OFF

5Gbps

PC1 · PC2 · PC3 · PC4

Wired Remote

77.5mm

43mm

1x Triple Monitor KVM Switch

4 PORTS DP+ +HD
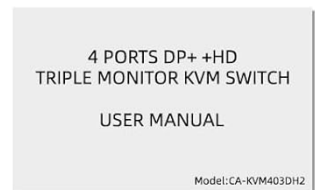TRIPLE MONITOR KVM SWITCH

USER MANUAL

Model:CA-KVM403DH2

4x USB3.0 Cable (1.5m)

1x Wired Remote(1.5m)

1x Power Adapter

1x User Manual

Figure 7: Packing list and physical dimensions of the KVM Switch.

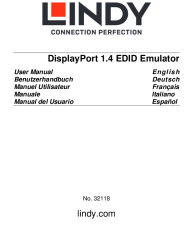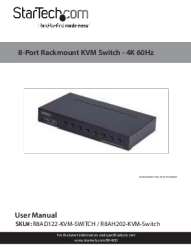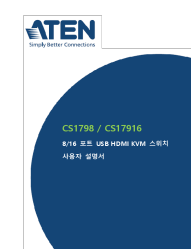Figure 8: Visual demonstrating 4K@60Hz Ultra HD support.

Figure 9: Illustration highlighting the 5Gbps data transfer speed of the USB 3.0 ports.

WARRANTY AND SUPPORT

This camgeet KVM Switch comes with a **12-month warranty** from the date of purchase.

If you have any questions, require technical assistance, or encounter any issues with your product, please contact our customer support. Refer to the contact information provided in the packaging or on the official camgeet website for assistance.

Related Documents - KVM Switch 3 Monitors 4 Computers 403DH2

	TESmart 4-Port Dual Monitor DP KVM Switch User Manual User manual for the TESmart 4-Port Dual Monitor DP KVM Switch, covering features, panel description, connection diagrams, usage instructions, IR remote control, RS232 commands, and warranty information.
	KCEVE KVM303DH 3-Port Triple Monitor KVM Switch User Manual User manual for the KCEVE KVM303DH, a 3-port DisplayPort and HDMI KVM switch designed for controlling three computers with a single set of keyboard, mouse, and up to three monitors. Features include support for triple monitor setups, 8K/4K resolutions, USB 3.0 hub, and multiple display modes. This guide covers description, features, packing list, technical specifications, interface introduction, connection diagrams, Q&A, and setup tips.
	LINDY DisplayPort 1.4 EDID Emulator User Manual User manual for the LINDY DisplayPort 1.4 EDID Emulator, detailing features, installation, usage, cloning procedures, troubleshooting, and compliance information.
	StarTech.com 8-Port Rackmount KVM Switch - 4K 60Hz User Manual User manual for the StarTech.com R8AD122-KVM-SWITCH / R8AH202-KVM-SWITCH 8-Port Rackmount KVM Switch. Provides detailed instructions on installation, connecting consoles and PCs, and using hotkey commands for 4K 60Hz operation.
	StarTech.com 2 Port USB-C KVM Switch (SV211HDUC) Quick Start Guide Quick start guide for the StarTech.com 2 Port USB-C Alt-Mode Compact KVM Switch (SV211HDUC). Learn how to connect computers, monitors, and peripherals for seamless dual-computer control.
	ATEN CS1798 / CS17916 8/16 USB HDMI KVM ATEN CS1798 / CS17916 8 16 USB HDMI KVM , . , .