

Bytecc KVM Switch 3 Monitors 4 Computers

Bytecc 8K DisplayPort KVM Switch User Manual

Model: KVM Switch 3 Monitors 4 Computers

Brand: Bytecc

1. INTRODUCTION

This manual provides detailed instructions for setting up and operating your Bytecc 8K DisplayPort KVM Switch. This device allows you to control up to four computers using a single set of DisplayPort monitors, a USB keyboard, and a USB mouse. It supports high-resolution video output and offers flexible switching options to enhance your productivity.

2. FEATURES

- **4-Port DisplayPort KVM Switch:** Share up to three DisplayPort monitors, a USB keyboard, and a mouse between four USB/DisplayPort-enabled computers and devices.
- **USB 3.0 SuperSpeed Support:** Equipped with an additional USB 3.0 port, offering data transfer speeds of up to 5Gbps for fast and efficient file sharing and peripheral connectivity.
- **Advanced Gaming Features:** Includes Variable Refresh Rate (VRR) for smooth gaming performance and High Frame Rate (HFR) support for high-dynamic videos. Display Stream Compression (DSC) enables support for higher resolutions and frame rates without compromising video quality.
- **Flexible Switching Options:** Switch between connected devices using front-panel push buttons or convenient hotkey controls, providing quick and seamless operation.
- **Wide Video Resolution Support:** Compatible with popular resolutions, including 8K@60Hz (4:4:4, DSC), 5K@120Hz, 4K@144Hz, 4K@120Hz, and 7680x4320@60Hz (4:2:0), delivering stunning visuals for all tasks.
- **Multi-Stream Technology (MST):** Expand your display capabilities with MST, allowing connections to multiple monitors for versatile applications.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x Bytecc 8K DisplayPort KVM Switch
- 1 x Power Supply Adapter
- 4 x USB 3.0 Cables
- 1 x User Manual

Note: DisplayPort cables are not included and must be purchased separately.



Image: Contents of the KVM switch package, showing the main unit, power adapter, USB cables, and manual.

4. PRODUCT OVERVIEW

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



Image: Detailed diagram of the KVM switch's front and rear panels, highlighting DisplayPort inputs for up to four PCs, USB 3.0 inputs for each PC, DisplayPort outputs for three monitors, and USB ports for shared peripherals like keyboard, mouse, and other USB devices.

- **DP IN (PC1-PC4):** DisplayPort input ports for connecting up to four computers.
- **USB 3.0 IN (PC1-PC4):** USB 3.0 input ports for connecting each computer to the KVM switch for USB peripheral sharing.
- **DP OUT (Monitor A, B, C):** DisplayPort output ports for connecting up to three monitors.
- **USB 3.0 Ports:** For connecting shared USB devices such as keyboard, mouse, USB drives, and printers.
- **Audio Jacks:** For connecting speakers and a microphone.
- **Power Port (12V DC):** For connecting the power adapter.

- **ON/OFF Switch:** Power button for the KVM switch.

5. SETUP INSTRUCTIONS

Follow these steps to connect your KVM switch:

1. **Connect Monitors:** Connect your three DisplayPort monitors to the 'DP OUT' ports (Monitor A, B, C) on the KVM switch.
2. **Connect Computers (Video):** For each computer (PC1-PC4), connect a DisplayPort cable from the computer's DisplayPort output to the corresponding 'DP IN' port on the KVM switch. Ensure all three DisplayPort outputs from each computer are connected to the KVM switch.
3. **Connect Computers (USB):** For each computer (PC1-PC4), connect a USB 3.0 cable from the computer's USB port to the corresponding 'USB 3.0 IN' port on the KVM switch. This enables keyboard, mouse, and other USB peripheral sharing.
4. **Connect Peripherals:** Connect your USB keyboard, USB mouse, and any other USB devices (e.g., USB drive, printer) to the 'USB 3.0' ports on the KVM switch.
5. **Connect Audio (Optional):** If desired, connect your speakers and microphone to the audio jacks on the KVM switch.
6. **Power On:** Connect the provided power adapter to the '12V DC' port on the KVM switch and plug it into a power outlet. Turn on the KVM switch using the ON/OFF switch.

CONNECTION AND OPERATION:

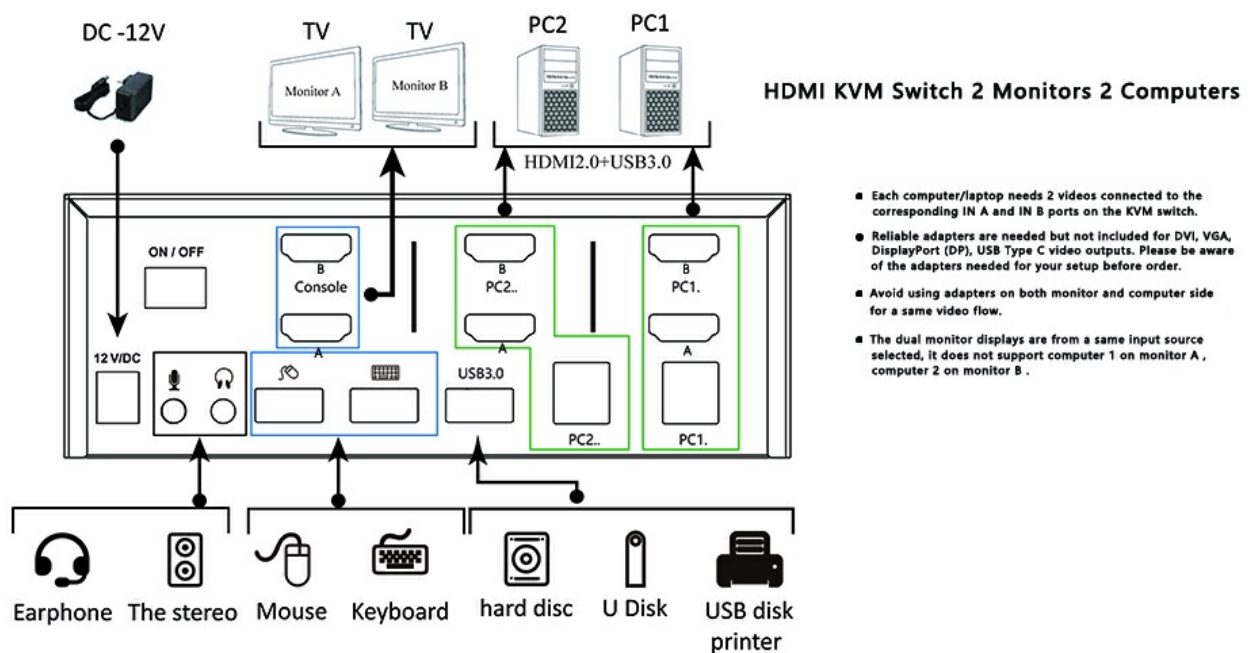


Image: A visual guide demonstrating the connection of multiple computers, three monitors, and various USB peripherals to the KVM switch.

6. OPERATING INSTRUCTIONS

The KVM switch offers multiple methods for switching between connected computers:

Front Panel Button Switching

Press the corresponding button on the front panel of the KVM switch to select the desired computer (PC1, PC2, PC3, or PC4). The LED indicator will illuminate to show the active computer.

Hotkey Switching

Use keyboard hotkeys for quick switching without reaching for the KVM switch. The default hotkey sequence is typically **Scroll Lock + Scroll Lock + [1-4]** to switch to PC1, PC2, PC3, or PC4 respectively. Refer to the full manual for advanced hotkey configurations.



Image: Illustration of the two primary switching methods: direct button press on the KVM device and keyboard hotkey commands.

7. DISPLAY MODES

The KVM switch supports various display modes across your connected monitors:

- **Mirror Mode:** All three monitors display the same content, duplicating the primary display.
- **Extended Mode:** Each monitor acts as an independent display, extending your desktop across all three screens for increased workspace.
- **Video Wall Mode:** Combines all three monitors to create a single large display, ideal for immersive viewing or specific professional applications.

Triple Display resolution up to 4K60Hz

Improve Your Productivity Allows for effortless multitasking, mirror or extend a computer display workspace



Image: Visual representation of the three supported display modes: Mirror (duplicate content), Video Wall (single large image), and Extended (separate content on each screen).

Video Demonstrations

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Video: Demonstration of a KVM switch managing three monitors, showcasing seamless switching between different computer inputs.

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Video: A detailed look at the triple monitor switch functionality, including extended and duplicate display modes.

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Video: Illustrates setting up and achieving high resolutions like 8K@60Hz and 4K@144Hz with the KVM switch.

8. 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. 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 and ensure stable connections.
- **Power Cycle:** If you experience minor issues, try disconnecting the power adapter for a few seconds and then reconnecting it to reset the device.

9. TROUBLESHOOTING

If you encounter problems with your KVM switch, refer to the following common issues and solutions:

- **No Display on Monitor:**
 - Ensure all DisplayPort cables are securely connected to both the KVM switch and your computers/monitors.
 - Verify that the KVM switch is powered on and the correct input is selected.
 - Check your computer's display settings to ensure the monitors are detected and configured correctly (e.g., extended, duplicate).
 - Try using different DisplayPort cables or ports to rule out cable/port issues.
- **Keyboard/Mouse Not Responding:**
 - Ensure the USB 3.0 cables are securely connected from each computer to the KVM switch.
 - Try connecting the keyboard/mouse to different USB ports on the KVM switch.
 - Some specialized gaming keyboards/mice may require direct connection to the computer or specific drivers. Try a standard keyboard/mouse to test functionality.
- **Intermittent Connection/Flickering Display:**
 - Ensure all cables are high-quality and meet the DisplayPort 1.4 standard for 8K resolution.
 - Reduce cable length if possible.
 - Check for electromagnetic interference from other devices.
 - Ensure the KVM switch has stable power.
- **Resolution/Refresh Rate Issues:**
 - Verify that your graphics card, monitors, and DisplayPort cables all support the desired resolution and refresh rate.
 - Adjust display settings on your computer to match the capabilities of your setup.

10. SPECIFICATIONS

Feature	Detail
Model	KVM Switch 3 Monitors 4 Computers
Video Input	4 x DisplayPort 1.4 (for 4 PCs)
Video Output	3 x DisplayPort 1.4 (for 3 Monitors)
USB Input	4 x USB 3.0 Type-B (for 4 PCs)
USB Output	Multiple USB 3.0 Type-A ports for peripherals
Max Resolution	8K@60Hz (4:4:4, DSC), 5K@120Hz, 4K@144Hz, 4K@120Hz, 7680x4320@60Hz (4:2:0)
USB Data Transfer Speed	Up to 5Gbps (USB 3.0)
Switching Methods	Front Panel Buttons, Hotkeys

Feature	Detail
Display Modes Supported	Mirror, Extended, Video Wall
Special Features	VRR, HFR, DSC, MST
Power Supply	12V DC Adapter (included)

11. WARRANTY AND SUPPORT

Bytecc products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty details, technical support, or service inquiries, please refer to the warranty card included in your package or visit the official Bytecc website.

Please retain your proof of purchase for warranty claims.