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› KCEVE USB 3.0 KVM Switch (Model KC-8401A-A) Instruction Manual

KCEVE KC-8401A-A

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Instruction Manual

1. INTRODUCTION

The KCEVE USB 3.0 KVM Switch allows you to control up to four computers using a single HDMI monitor, keyboard, and mouse. This device is designed to streamline your workspace by eliminating the need for multiple peripherals for each computer. It supports high-resolution video output up to 8K@60Hz and 4K@144Hz, and provides high-speed USB 3.0 data transfer for connected peripherals. This KVM switch is suitable for various environments including offices, monitoring stations, classrooms, and home theater setups.

2. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- 1 x KCEVE 8K KVM Switch HDMI Unit
- 1 x 1.5m Wired Remote Control
- 1 x DC 12V Power Adapter
- 4 x USB 3.0 Cables
- 1 x User Manual

Packing List

1 x KVM Switch 4 PC
0.35kg/0.77lb



Figure 2.1: Package Contents

3. PRODUCT OVERVIEW

The KVM switch features multiple ports for connecting your computers, monitor, and USB peripherals. Familiarize yourself with the layout:

Each PC must be connected with 1x HDMI + 1x USB Cable for normal use



Figure 3.1: KVM Switch Port Layout

Front Panel:

- **Power Button:** To turn the device on/off.
- **USB 3.0 Ports (x4):** For connecting USB peripherals such as keyboard, mouse, printer, U-disk, hard drive, scanner, or camera.
- **PC Selection Buttons (PC1-PC4):** Press to switch between connected computers.
- **Wired Remote Port:** For connecting the included wired remote control.

Rear Panel:

- **DC 12V Power Input:** Connect the provided power adapter here.
- **HDMI Output (Monitor):** Connect your HDMI monitor here.
- **HDMI Inputs (HD1-HD4):** Connect HDMI cables from your computers (PC1-PC4) here.
- **USB 3.0 Inputs (USB3.0-1 to USB3.0-4):** Connect USB 3.0 cables from your computers (PC1-PC4) here.

4. SETUP INSTRUCTIONS

Follow these steps to set up your KCEVE KVM Switch:

1. **Power Off Devices:** Ensure all computers and the monitor are powered off before beginning the connection process.
2. **Connect Monitor:** Connect your HDMI monitor to the "Monitor Output" HDMI port on the KVM switch.
3. **Connect Peripherals:** Connect your keyboard, mouse, and any other USB peripherals (printer, U-disk, etc.) to the USB 3.0 ports on the front panel of the KVM switch.
4. **Connect Computers (PC1-PC4):** For each computer you wish to connect (up to four):
 - Connect an HDMI cable from your computer's HDMI output to one of the "HD" input ports (HD1-HD4) on the KVM switch.
 - Connect a USB 3.0 cable from your computer's USB 3.0 port to the corresponding "USB3.0" input port (USB3.0-1 to USB3.0-4) on the KVM switch. **Each computer requires both an HDMI and a USB 3.0 cable connection to the KVM switch for full functionality.**
5. **Connect Wired Remote (Optional):** If desired, connect the 1.5-meter wired remote control to the "Wired Remote" port on the front panel.
6. **Connect Power Adapter:** Connect the provided DC 12V power adapter to the "DC 12V" input port on the rear panel of the KVM switch, then plug it into a power outlet.
7. **Power On:** Power on the KVM switch, then power on your monitor and connected computers.

Important: For optimal video quality, especially for 8K@60Hz or 4K@144Hz, use certified HDMI 2.1 cables. For optimal USB data transfer speeds, use USB 3.0 cables.

5. OPERATING INSTRUCTIONS

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

Method 1: Front Panel Button

- Press the "SELECT" button (PC1, PC2, PC3, or PC4) on the front panel of the KVM switch corresponding to the computer you wish to control.
- An LED indicator will illuminate next to the selected PC button, showing which computer is currently active.

Method 2: Wired Remote Control

- Press the button on the wired remote control to cycle through the connected computers.
- The LED indicators on the KVM switch will show the currently active computer.

Two Switching Methods

Plug and Play, No driver required



Switching Method 1
Machine button



Switching Method 2
1.5m/4.92ft Wired Remote

Figure 5.1: Switching Methods

Note: There may be an approximate 8-second delay when switching between sources as the KVM re-establishes the video and USB connections.

6. SPECIFICATIONS

Feature	Detail
Model	KC-8401A-A
HDMI Version	HDMI 2.1
Video Resolution Support	8K@60Hz, 4K@144Hz, 4K@120Hz, 4K@60Hz (YUV 4:4:4)
USB Version	USB 3.0 (backward compatible with USB 2.0/1.1)
Data Transfer Speed	Up to 5Gbps (USB 3.0)

Feature	Detail
Control Method	Push Button, Wired Remote
Operating Voltage	12 Volts
Wattage	12 watts
Material	Metal
Dimensions (L x W x H)	7 x 3 x 1 inches
Item Weight	0.78 Pounds
International Protection Rating	IP67
Certifications	CE



Figure 6.1: Supported Video Resolutions

USB 3.0 support 5Gbps data transfer speed

10X Faster than USB 2.0



USB3.0

5Gbps



USB2.0

480Mbps



Figure 6.2: USB 3.0 Data Transfer Speed

7. COMPATIBILITY

The KCEVE KVM Switch offers broad compatibility without requiring additional drivers:

Supported Operating Systems:

- Windows
- Vista
- macOS
- Chrome OS
- Linux
- Unix
- Ubuntu

Compatible HDMI Devices:

- Desktops
- Laptops
- Monitors
- HDTVs
- Projectors
- Apple TV
- PS5
- Xbox
- Camcorders
- Set-top boxes

Share 1 HDMI monitor and 4 USB devices

Switch between 4 computers



Windows



chrome



Mac OS



vista



Linux

Figure 7.1: Operating System Compatibility

8. TROUBLESHOOTING

If you encounter issues, please refer to the following common troubleshooting steps:

1. No Display on Monitor:

- Ensure the KVM switch is powered on using the provided DC 12V adapter.
- Verify that all HDMI cables are securely connected between the computers, KVM switch, and monitor.
- Confirm that the correct input source is selected on your monitor.
- Try using certified HDMI 2.1 cables, especially for high resolutions (8K/4K@144Hz).
- Restart the KVM switch and the connected computers.

2. Keyboard/Mouse Not Responding:

- Ensure the USB 3.0 cables are securely connected from each computer to the corresponding USB 3.0 input on the KVM switch.
- Verify that your keyboard and mouse are connected to the USB 3.0 peripheral ports on the front of the KVM switch.
- Try connecting the keyboard and mouse directly to the computer to confirm they are functional.
- Some specialized gaming keyboards/mice with advanced features may require direct connection or specific drivers not supported by KVM switches.

3. Switching Delay:

- An approximate 8-second delay during switching is normal as the KVM re-establishes connections. This is not a malfunction.

4. No EDID Information:

- This KVM Switch does not feature EDID emulation. This means the monitor's EDID information is passed directly to the active computer. When switching, the inactive computers may detect a temporary loss of display, which is normal behavior for KVMs without EDID emulation.

9. MAINTENANCE

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block any ventilation openings.
- **Power:** Always use the provided DC 12V power adapter. Using an incorrect power adapter may damage the device.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place away from direct sunlight and extreme temperatures.

10. WARRANTY AND SUPPORT

Your KCEVE HDMI KVM switch is backed by a **12-month manufacturer's warranty** from the date of purchase.

Should you encounter any issues or require assistance with your product, please contact KCEVE customer support. Provide your model number (KC-8401A-A) and a detailed description of the problem for prompt service.

Contact information for support can typically be found on the KCEVE official website or through your purchase platform.



