

AIMOS AIMOSKVM-401

AIMOS HDMI 2.0 4-Port KVM Switch User Manual

Model: AIMOSKVM-401

Brand: AIMOS

1. INTRODUCTION

The AIMOS HDMI 2.0 4-Port KVM Switch allows you to control up to four computers using a single set of USB keyboard, mouse, and an HDMI monitor. This device supports HDMI 2.0 and HDCP 2.2, delivering resolutions up to 4K@60Hz with 4:4:4 chroma sampling. It features an integrated USB 2.0 hub for sharing additional USB peripherals and offers multiple switching methods for convenience.

2. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x AIMOS HDMI 2.0 4-Port KVM Switch
- 4 x USB Cables (for connecting computers to KVM)
- 1 x User Manual

Product packing

HDMI 2.0 KVM Switch *1

USB Cable *4

User Manual *1

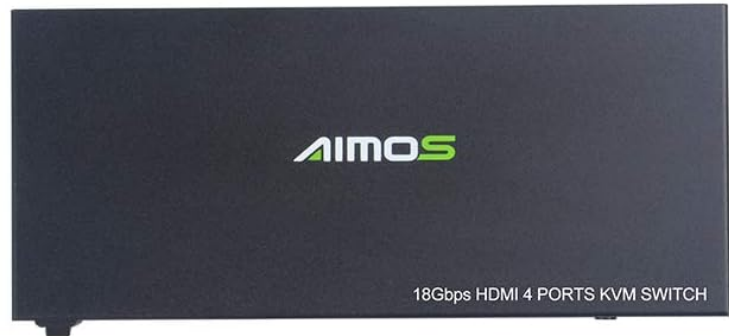


Image: Product packaging showing the KVM switch, USB cables, and user manual.

3. PRODUCT FEATURES

- **4-Port KVM Functionality:** Control up to four computers with one set of keyboard, mouse, and monitor.
- **Ultra HD 4K@60Hz Support:** Supports resolutions up to 4K@60Hz (YUV4:4:4 chroma sampling), 3D, and 1080P.
- **High Bandwidth:** Full 18Gbps bandwidth for high-speed data transmission.
- **HDCP 2.2 Standard:** Compatible with high-bandwidth digital content protection technology.
- **Integrated USB 2.0 Hub:** Share USB peripherals like scanners, USB drives, and printers between connected computers.
- **Multiple Switching Methods:** Switch between computers using physical buttons, keyboard hotkeys, or mouse gestures.
- **Wireless Keyboard and Mouse Support:** Compatible with wireless keyboard and mouse connections.
- **Plug and Play:** No driver installation required.

- **Wide Compatibility:** Supports various devices including PCs, Laptops, Apple TV, PS3/PS4, Xbox, Nintendo Switch, projectors, and audio/video receivers.
- **Durable Design:** Metal housing with ventilation holes for efficient heat dissipation and gold-plated interfaces for high compatibility.
- **Wake-up Function:** Ability to wake up a hibernating computer using the connected keyboard and mouse.
- **Adaptive EDID/HDCP:** Automatically adapts to various application environments.
- **Automatic Adjustment System:** Ensures smooth, clear, and stable image quality.
- **Cyclic Switching Mode:** Automatically switches to the next computer every 5 seconds (activate with Ctrl + Ctrl + S).

4. SPECIFICATIONS

Model	AIMOSKVM-401
Brand	AIMOS
Dimensions (L x W x H)	7.01 x 3.07 x 0.75 inches
Material	Metal
Connector Type	HDMI, USB
Resolution Support	Up to 4K@60Hz (YUV4:4:4), 3D, 1080P
Bandwidth	18Gbps
HDCP Version	2.2
USB Ports	USB 2.0 Hub
Control Method	Push Button, Keyboard Hotkey, Mouse Gesture
Operating Voltage	5V DC (USB Powered)
Compatible Devices	PC, Laptop, Apple TV, PS3/PS4, Xbox, Sony Bluray player, Nintendo Switch, projectors, audio/video receivers



Image: Product dimensions and included USB cables.

Suport operate system

No driver required, compatible operating system



Image: Supported operating systems for the KVM switch.

5. SETUP INSTRUCTIONS

Follow these steps to connect your AIMOS KVM Switch:

1. **Connect Monitor:** Connect your HDMI monitor to the KVM switch's **HDMI OUT** port.
2. **Connect Keyboard and Mouse:** Connect your USB keyboard and mouse to the dedicated USB ports on the KVM switch (usually labeled with keyboard and mouse icons or USB 1/2).
3. **Connect USB Peripherals:** If you have other USB devices (e.g., printer, USB drive), connect them to the **USB HUB** ports.
4. **Connect Computers:** For each computer you wish to connect (up to 4):
 - Connect an HDMI cable from the computer's HDMI output to an **HDMI IN** port on the KVM switch (e.g., HDMI 1, HDMI 2).
 - Connect one of the provided USB cables from a USB port on the computer to the corresponding **USB IN** port on the KVM switch (e.g., USB 1 for PC 1, USB 2 for PC 2). These USB connections provide power

and transmit keyboard/mouse signals.

5. **Power On:** The KVM switch is typically powered via the USB connections from the computers. Ensure all connections are secure.

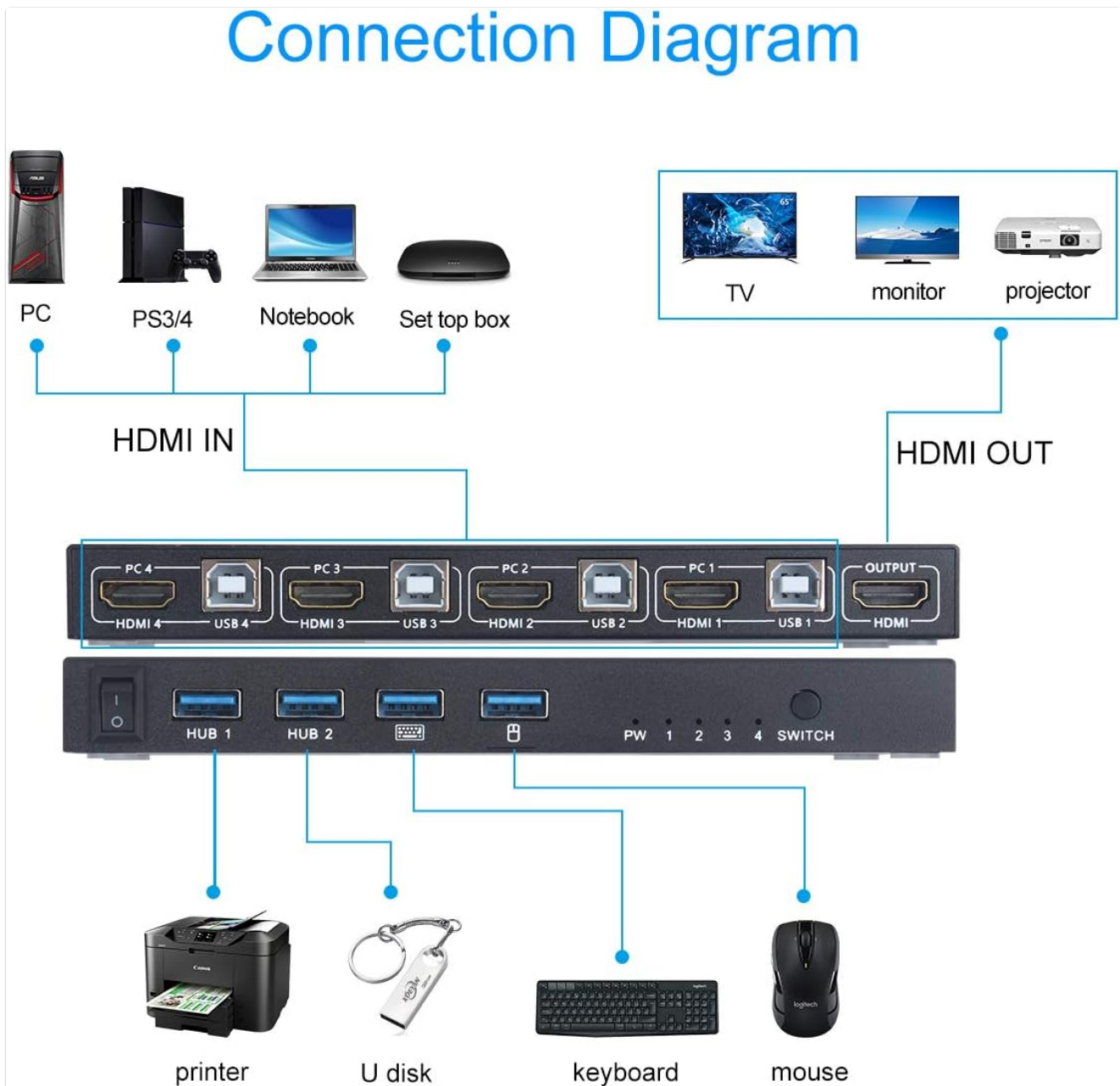


Image: Connection diagram illustrating how to connect computers, monitor, keyboard, mouse, and other USB devices to the KVM switch.

6. OPERATING INSTRUCTIONS

The AIMOS KVM Switch offers several methods to switch between connected computers:

6.1. Physical Button Switching

Press the 'SWITCH' button on the front panel of the KVM switch to cycle through the connected computers (PC 1, PC 2, PC 3, PC 4).

6.2. Keyboard Hotkey Switching

To switch using keyboard hotkeys, ensure your keyboard is connected to the dedicated USB keyboard port on the KVM switch.

- **Method 1:** Double-click the **Scroll Lock** key, then press **1, 2, 3, or 4** to switch to the corresponding computer.
- **Method 2:** Double-click the **Ctrl** key, then press **1, 2, 3, or 4** to switch to the corresponding computer.

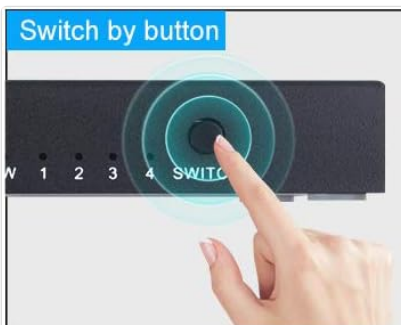
6.3. Mouse Switching

To switch using mouse gestures, ensure your mouse is connected to the dedicated USB mouse port on the KVM switch.

- **Switch to Next Port:** Press and hold the mouse scroll key, then press the mouse left key. Release both keys.
- **Switch to Previous Port:** Press and hold the mouse scroll key, then press the mouse right key. Release both keys.

6.4. Cyclic Switching Mode

To enable or disable automatic cyclic switching, double-click the **Ctrl** key, then press **S**. When enabled, the KVM switch will automatically switch to the next computer every 5 seconds.



Switch to another host by pressing the button
Device works well,
no stuck, more efficient



1. Press and hold the mouse scroll key first; and then press the mouse left key together; last release left key to finish the switch
2. Press and hold the mouse scroll key first; and then press the mouse right key together; last release right key to finish the switch



1. Double-click the keyboard Scroll Lock key + 1 or 2, 3, 4 keys to switch to another host
2. Double-click the keyboard Ctrl key + 1 or 2, 3, 4 keys to switch to another host



Note:

In order to realize mouse and keyboard hotkey switching, the keyboard and mouse must be connected to the corresponding USB interface of HDMI Switch box.

The hotkey won't work if the mouse and keyboard connect to another two HUB ports



Image: Switching methods (button, mouse, keyboard hotkeys) and important note regarding USB port connections for hotkey functionality.

7. MAINTENANCE

- Keep the KVM switch in a dry, well-ventilated area.
- Avoid exposing the device to extreme temperatures or humidity.
- Clean the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.
- Ensure cables are securely connected and not under strain.

8. TROUBLESHOOTING

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

- **No Display/Signal:**
 - Ensure all HDMI cables are securely connected to both the KVM switch and the computers/monitor.
 - Verify that the correct input source is selected on your monitor.
 - Try restarting the connected computers.
 - Check if the KVM switch is receiving power via the USB connections from the computers.
- **Keyboard/Mouse Not Responding:**
 - Ensure the keyboard and mouse are connected to the dedicated USB ports on the KVM switch, not the general USB HUB ports, especially for hotkey functionality.
 - Try reconnecting the keyboard and mouse.
 - Test the keyboard and mouse directly with a computer to confirm they are functional.
 - Some specific gaming keyboards/mice with advanced features may have compatibility issues. Try a standard keyboard/mouse if problems persist.
- **Hotkey Switching Not Working:**
 - As noted in the operating instructions, the keyboard and mouse must be connected to the specific USB interfaces of the KVM switch box for hotkey functionality to work. Connecting them to the other USB HUB ports will prevent hotkey switching.
 - Ensure the hotkey sequence is performed correctly (e.g., double-click Scroll Lock, then press number).
- **Computer Crash or Stuck Peripherals:**
 - The KVM switch uses a high-quality chip designed to reduce such occurrences. Ensure all connections are stable.
 - If issues persist, try connecting peripherals directly to the computer to isolate the problem.
- **Mac Compatibility:**
 - Please note that this KVM switch may have poor compatibility with Mac systems. Functionality may be limited or inconsistent.

9. WARRANTY AND SUPPORT

AIMOS provides a 1-year refund or replacement service for this product. If you encounter any problems with your HDMI KVM switch, please contact AIMOS customer support for assistance. Our products are strictly tested before delivery to ensure quality and reliability.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question