

## PERESAL K6-1

# PERESAL 4x1 HDMI KVM Switch with Multi-Viewer User Manual

Model: K6-1

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## 1. INTRODUCTION

This user manual provides detailed instructions for the PERESAL 4x1 HDMI KVM Switch with Multi-Viewer (Model K6-1). This device allows you to connect up to four computers or HDMI sources to a single monitor, keyboard, and mouse, enabling seamless switching and multi-view display modes. It supports 4K@60Hz resolution and includes USB 3.0 ports for peripheral sharing, enhancing efficiency in various environments such as offices, control rooms, and home setups.

## 2. KEY FEATURES

- **4-Port HDMI KVM Switch:** Allows 4 computers to share one monitor and 4 USB 3.0 devices. Control 4 computers simultaneously with one set of keyboard and mouse.
- **Seamless Switching & Multi-Viewer:** Supports 9 display modes including PIP (Picture-in-Picture), Full Screen, Dual Screen, Trisection, and 4 Equal Screen Mode.
- **Ultra HD 4K@60Hz Resolution:** Equipped with standard HDMI 2.0 ports, supporting maximum resolution of 4K@60Hz and 2K@120Hz, backward compatible with lower resolutions.
- **USB 3.0 Connectivity:** Includes 4 USB 3.0 ports for connecting peripherals like keyboards, mice, printers, and U-disks.
- **Multiple Control Methods:** Supports switching via front panel buttons, IR remote control, and hotkeys.
- **Mouse Crossing & Roaming:** Enables mouse cursor to seamlessly move between screens in 4 Equal Screen Mode for enhanced multitasking.
- **Plug and Play:** No driver installation required for ease of use.

- **Durable Alloy Housing:** Features a silver-gray alloy shell for high-end durability and efficient heat dissipation.

### 3. PACKAGE CONTENTS

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

- 1 x PERESAL HDMI Quad Multi-viewer (KVM Switch)
- 4 x USB 3.0 Cables (Type-C to USB-A)
- 1 x Power Adapter (DV 5V)
- 1 x IR Remote Control
- 1 x User Manual (This document)

### 4. PRODUCT OVERVIEW

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#### 4.1. Front Panel



Figure 4.1: Front Panel Layout of the KVM Switch. This image displays the front of the KVM switch, highlighting the HDMI input ports (IN 1-4), USB-C data ports (PC1-PC4), and the HDMI output port (OUTPUT). The power input (DV 5V) is also visible.

The front panel of the KVM switch features the following components:

- **HDMI IN 1-4:** HDMI input ports for connecting up to four source devices (PCs, laptops, etc.).
- **PC1-PC4 (USB-C):** USB-C data input ports for connecting to the USB ports of your source devices to enable keyboard and mouse sharing.
- **OUTPUT (HDMI):** HDMI output port for connecting to your display monitor.
- **DV 5V:** Power input port for connecting the included power adapter.
- **Switch Button:** Cycles through the connected HDMI inputs (1-4).
- **Mode Button:** Cycles through the different multi-viewer display modes.
- **Audio Button:** Cycles through audio sources in multi-viewer mode.
- **Full Screen Button:** Switches the selected input to full screen mode.
- **LED Indicators (PC1-PC4):** Indicate the currently active input.

## 4.2. Rear Panel



Figure 4.2: Rear Panel Layout of the KVM Switch. This image shows the rear of the KVM switch, detailing the four USB-A ports for peripherals, the IR receiver, and power indicator. The two leftmost USB ports are general purpose, while the two rightmost are dedicated for mouse and keyboard.

The rear panel provides the following connections:

- **USB Ports (4x USB-A):** These ports are for connecting USB peripherals. The two leftmost ports are general purpose for devices like printers or U-disks. The two rightmost ports are specifically for connecting your keyboard and mouse.
- **IR Receiver:** For receiving signals from the included IR remote control.

- **Power LED:** Indicates the power status of the device.

## 5. SETUP INSTRUCTIONS

Follow these steps to set up your PERESAL 4x1 HDMI KVM Switch:

1. **Power Off Devices:** Ensure all computers and the monitor are powered off before making connections.
2. **Connect Monitor:** Connect your HDMI display monitor to the **OUTPUT** HDMI port on the KVM switch.
3. **Connect Computers (HDMI):** Connect the HDMI output of each computer (up to 4) to the **HDMI IN 1-4** ports on the KVM switch.
4. **Connect Computers (USB):** Use the provided USB 3.0 cables (Type-C to USB-A) to connect the USB-C ports (**PC1-PC4**) on the KVM switch to the USB-A ports on your respective computers. These connections enable keyboard and mouse sharing.
5. **Connect Keyboard & Mouse:** Connect your USB keyboard and mouse to the dedicated USB-A ports on the rear panel of the KVM switch (typically the two rightmost ports).
6. **Connect Other USB Peripherals:** If desired, connect other USB devices (e.g., printer, USB drive) to the general-purpose USB-A ports on the rear panel (the two leftmost ports).
7. **Connect Power Adapter:** Connect the included 5V power adapter to the **DV 5V** port on the KVM switch, then plug it into a power outlet.
8. **Power On Devices:** Power on the KVM switch, then power on your monitor and connected computers.

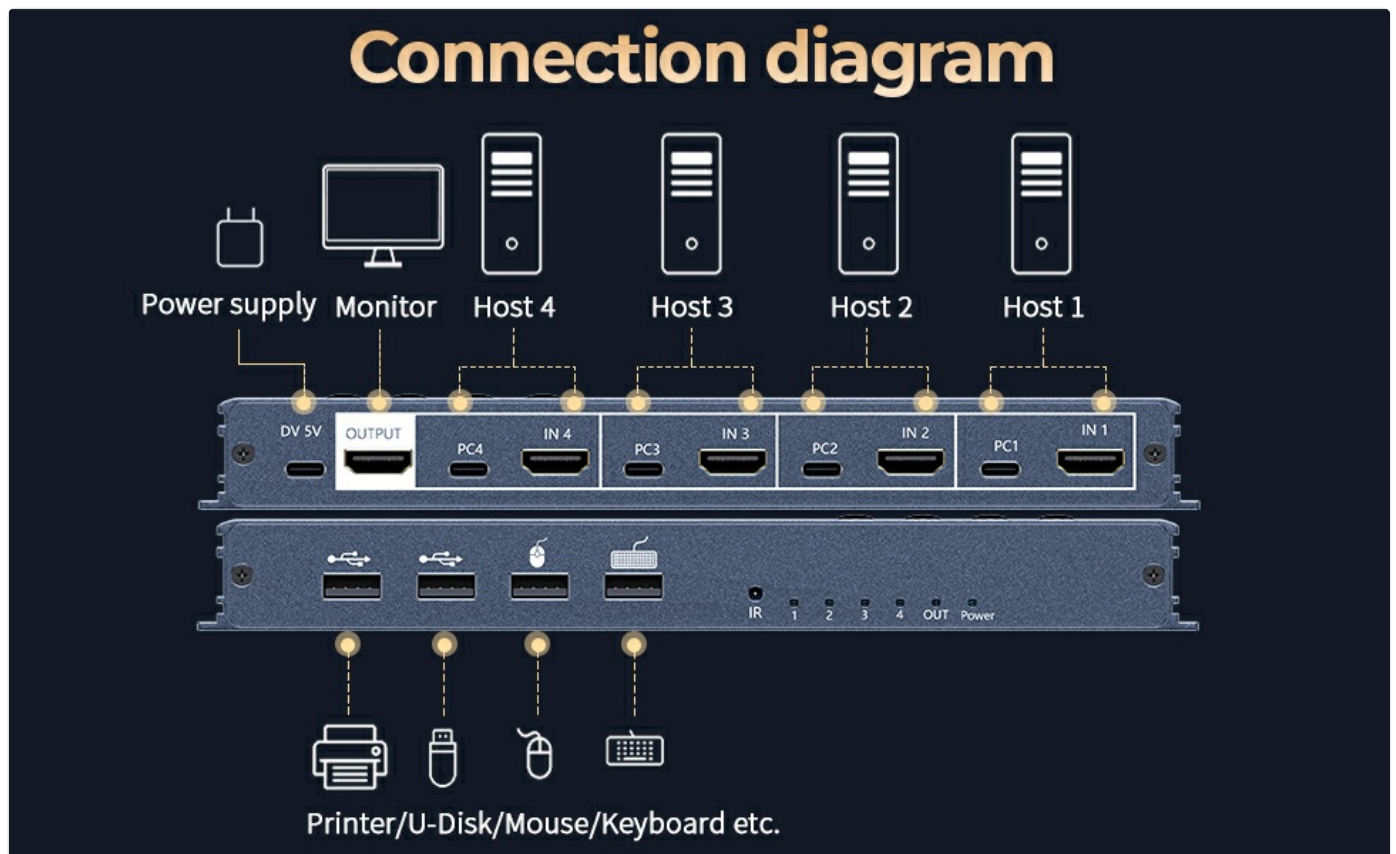


Figure 5.1: KVM Switch Connection Diagram. This diagram illustrates how to connect the power supply, monitor, and four host computers (Host 1-4) to the KVM switch's front panel. It also shows the connection of a printer, U-disk, mouse, and keyboard to the rear USB ports.

## 6. OPERATION

### 6.1. Switching Inputs

You can switch between connected computers using the following methods:

- **Front Panel Button:** Press the "Switch" button on the front panel to cycle through inputs 1-4.
- **IR Remote Control:** Use the numbered buttons (1, 2, 3, 4) on the remote control to directly select the desired input.
- **Hotkeys:**
  - Press **Scroll Lock + Scroll Lock + [1-4]** to switch to the corresponding input.
  - Press **Scroll Lock + Scroll Lock + Up Arrow / Down Arrow** to switch to the next/previous input.

## 6.2. Multi-Viewer Modes

The KVM switch supports various multi-viewer display modes. You can cycle through these modes using the "Mode" button on the front panel or the remote control.



Figure 6.1: Four Host Screens Displayed Simultaneously. This image demonstrates the 4 Equal Screen Mode, where four different computer displays are shown concurrently on a single monitor, allowing for comprehensive monitoring.

Common modes include:

- **Full Screen Mode:** Displays a single selected input across the entire screen.
- **PIP (Picture-in-Picture):** Displays one main input with a smaller window of another input.
- **Dual Screen Mode:** Divides the screen into two sections, displaying two inputs side-by-side (horizontal or vertical).
- **Trisection Mode:** Divides the screen into three sections, displaying three inputs.
- **4 Equal Screen Mode:** Divides the screen into four equal quadrants, displaying all four inputs simultaneously. This mode supports mouse crossing and roaming.

## 6.3. Mouse Crossing & Roaming

In 4 Equal Screen Mode, the KVM switch allows your mouse cursor to seamlessly move between the four displayed screens. Simply move your mouse to the edge of one screen, and it will appear on the adjacent screen, automatically switching keyboard and mouse control to that corresponding computer.

## 6.4. Audio Control

In multi-viewer modes, you can control which input's audio is outputted:

- Press the "Audio" button on the front panel or remote to cycle through the audio sources of the displayed inputs.
- Hotkey: Press **Scroll Lock + Scroll Lock + F11** to mute/unmute audio.

## 6.5. Remote Control

The included IR remote control provides convenient access to all functions. Ensure there is a clear line of sight between the remote and the KVM switch's IR receiver.

**Note:** The remote control requires batteries (not included, typically AAA). Please insert them correctly according to polarity markings.

Your browser does not support the video tag.

Video 6.1: Demonstration of KVM Switch Functionality. This video illustrates the various switching modes and features of the KVM switch, including seamless transitions between inputs and multi-viewer capabilities. It provides a visual guide to operating the device.

## 7. MAINTENANCE

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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. Do not use liquid cleaners or aerosols, as they may damage the unit.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block the ventilation openings.
- **Power:** Always use the provided power adapter. Disconnect power during electrical storms or when unused for long periods.
- **Handling:** Avoid dropping or subjecting the device to strong impacts. The alloy housing is durable but can be damaged by excessive force.

## 8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No display on monitor.	Loose HDMI cable connection. Incorrect input selected. Power issue with KVM switch or monitor. Resolution incompatibility.	Check and re-secure all HDMI cables. Ensure the correct input is selected on the KVM switch (using buttons, remote, or hotkeys). Verify the KVM switch and monitor are powered on and receiving power. Ensure your monitor supports the output resolution of the KVM switch (up to 4K@60Hz). Try a lower resolution on the source device if needed.

Problem	Possible Cause	Solution
Keyboard/Mouse not working.	Loose USB cable connection. Keyboard/mouse connected to incorrect USB port. Incompatible keyboard/mouse. Computer in sleep mode.	Check and re-secure all USB cables, especially the USB-C data cables from computers to KVM. Ensure keyboard and mouse are connected to the dedicated USB-A ports on the rear panel. Some specific keyboard/mouse models (e.g., certain Dell keyboards) may have compatibility issues. Try a different brand/model if possible. Wake up the computer from sleep mode by directly interacting with it or using the hotkey <b>Scroll Lock + Scroll Lock + 0</b> to activate keyboard/mouse on all screens, then press a key.
Mouse roaming not working in 4-screen mode.	Not in 4 Equal Screen Mode. Incompatible mouse.	Ensure the KVM switch is set to the 4 Equal Screen Mode. Try a different mouse model. Some mice may not fully support the roaming feature.
Remote control not responding.	No line of sight to IR receiver. Dead or incorrectly inserted batteries.	Ensure the remote is pointed directly at the IR receiver on the KVM switch. Replace batteries with new ones, ensuring correct polarity.

## 9. SPECIFICATIONS

<b>Model Number</b>	K6-1
<b>Brand</b>	PERESAL
<b>Input Interface</b>	4 x HDMI IN, 4 x USB-C (for data)
<b>Output Interface</b>	1 x HDMI OUT, 4 x USB-A (for peripherals)
<b>Max Resolution Supported</b>	4K@60Hz, 2K@120Hz (backward compatible)
<b>Switching Method</b>	Button, Remote Control, Hotkeys
<b>Shell Material</b>	Frosted Alloy Shell
<b>Power Supply</b>	DV 5V
<b>Product Dimensions (L x W x H)</b>	3.27 x 1.06 x 0.98 inches (approx. 83 x 27 x 25 mm)
<b>Item Weight</b>	12.32 ounces (approx. 349 grams)

# Product Parameters

brand name	: Piros (brand)/PERESAL
Pseudologic acid	: HDMI KVM Switcher 4 in 1 out
input interface	: HDMI IN*4/USB*4/USB-C*4
output interface	: HDMI OUT *1
Product Features	: Seamless switching/quad split screen
Shell material	: Frosted alloy shell
Power supply interface	: Type-C power supply
Resolution	: 4K@30Hz
Switching method	: Button switching + remote control switching + hotkey switching

PS: The following dimensions are hand-measured , there is a small error, the specific size please prevail in kind!



Figure 9.1: Product Parameters and Dimensions. This image provides a summary of the KVM switch's technical specifications and a dimensional drawing, showing its length (220mm), height (68mm), and depth (25mm).

## 10. WARRANTY AND SUPPORT

PERESAL products are designed for reliability and performance. We stand by the quality of our products with comprehensive warranty and support services.

### 10.1. Warranty Information

PERESAL offers a **1-Year Protection Period** for this product. All products come with a lifetime warranty. For any issues, you can contact PERESAL through Amazon's internal messaging system, and they will respond within 24 hours.

Additionally, our products are covered by a 12-month protection period, during which any defects can be replaced at no cost.



Figure 10.1: Warranty Details. This image outlines the PERESAL 1-Year Protection Period and lifetime warranty, detailing how to contact support for product issues.

## 10.2. Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact PERESAL customer support via the Amazon platform. Provide your order number and a detailed description of the issue for prompt assistance.