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## TESmart HKS201-E23

# TESmart HDMI KVM Switch User Manual

Model: HKS201-E23

## PRODUCT OVERVIEW

The TESmart HDMI KVM Switch is designed to allow two computers or laptops to share a single set of keyboard, mouse, and monitor. This device is ideal for home and office setups, gaming consoles, and streaming devices, providing efficient multi-device management.



Figure 1: TESmart HDMI KVM Switch and included cables.

Key features include Ultra HD 4K@60Hz resolution support, EDID emulators to prevent display setting changes, seamless zero-latency keyboard and mouse switching, and wide operating system compatibility.

## SETUP INSTRUCTIONS

Follow these steps to set up your TESmart HDMI KVM Switch:

- Connect Computers:** Use the provided KVM cables (HDMI+USB A/B) to connect your two computers to the KVM switch's Input 1 and Input 2 ports. Ensure both the HDMI and USB-B ends of each cable are connected to the respective computer.
- Connect Monitor:** Connect your monitor to the HDMI Output port on the KVM switch using an HDMI cable (not included).
- Connect Keyboard & Mouse:** Plug your wired or wireless (with 2.4G receiver) keyboard and mouse into the dedicated keyboard and mouse USB ports on the KVM switch. The upgraded pass-through mode ensures wide compatibility. Note: Wireless Bluetooth keyboards and mice are not supported.

4. **Connect Peripherals (Optional):** Utilize the additional USB 2.0 port to connect other peripheral devices such as a USB hub, USB drive, printer, or scanner. Note: Hotkey switching is not supported when the keyboard is connected to this USB 2.0 port.
5. **Connect Audio (Optional):** For stereo audio output, connect headphones or a 3-segment 3.5mm earpiece device to the L/R Out 3.5mm Audio Jack port.
6. **Power On:** Connect the DC 5V power adapter to the KVM switch and plug it into a power outlet. Turn on the KVM switch using the power switch.



Figure 2: Diagram illustrating the connection of two PCs and one monitor to the KVM switch.

# More usable ports



Figure 3: Detailed view of the KVM switch's input and output ports.

Video 1: An overview of the TESmart HDMI KVM Switch, including unboxing and basic setup steps.

## OPERATING INSTRUCTIONS

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

- **Front Panel Button:** Press the 'Select' button on the front panel of the KVM switch to cycle through the connected computers.
- **IR Remote Control:** Use the included IR remote control to switch directly to a specific input (e.g., press '1' for PC1, '2' for PC2). Note: AAA batteries are required for the remote control and are not included.
- **Keyboard Hotkeys:** Utilize specific keyboard hotkey combinations for quick switching:
  - Press 'Scroll Lock' key twice + 'Page Up' to select the previous input port.
  - Press 'Scroll Lock' key twice + 'Page Down' to select the next input port.
  - Press 'Scroll Lock' key twice + '1' or '2' to select a specific input port (e.g., '1' for PC1, '2' for PC2).

- **Mouse Gesture:** Double-hit the left or right bound of the screen with the mouse pointer to switch inputs.
- **Auto Scan:** The KVM switch can be configured to automatically loop among all powered input sources within a specified time interval.

## One-Touch Switching

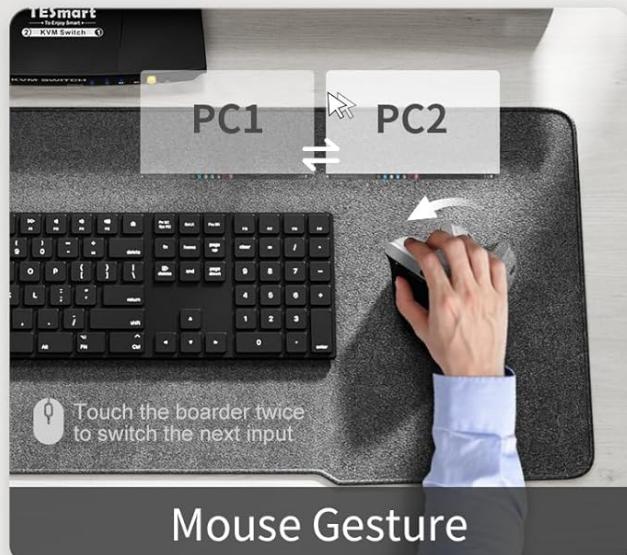


Figure 4: Various methods for switching between computers, including front panel button, IR remote, keyboard hotkeys, and mouse gesture.

## SPECIFICATIONS

Attribute	Detail
Model Number	HKS201-E23
Product Dimensions	7.72 x 3.15 x 0.94 inches; 9.28 ounces
Manufacturer	TESmart

Operating Voltage	5 Volts (DC)
Video Resolution	Up to 3840x2160 (4K) @60Hz, 3440x1440@100Hz, 2560x1440@120Hz
USB Ports	Dedicated Keyboard/Mouse, 1x USB 2.0 Peripheral Port
Audio Output	3.5mm L/R Audio Jack

## MAINTENANCE

To ensure the longevity and optimal performance of your TESmart HDMI KVM Switch, consider the following:

- Keep the device in a clean, dry environment, away from excessive dust, moisture, and extreme temperatures.
- Avoid placing heavy objects on top of the switch.
- Gently clean the exterior with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- Ensure all cables are securely connected to prevent signal loss or intermittent issues.

## TROUBLESHOOTING

If you encounter any issues with your KVM switch, please refer to the official Troubleshooting Guide (PDF) available at: [Troubleshooting Guide \(PDF\)](#).

Common issues and basic checks include:

- **No Display/Signal:** Ensure all HDMI cables are securely connected to both the KVM switch and the computers/monitor. Verify the correct input is selected on the KVM switch.
- **Keyboard/Mouse Not Responding:** Check that the keyboard and mouse are plugged into the dedicated USB ports. If using wireless, ensure the receiver is properly inserted and batteries are charged. Try restarting the KVM switch.
- **Display Settings Change After Switching:** The built-in EDID emulators should prevent this. Ensure your monitor and graphics drivers are up to date.
- **Hotkey Issues:** Confirm the keyboard is connected to the dedicated keyboard USB port. Hotkey switching is not supported if the keyboard is connected to the USB 2.0 peripheral port.

## WARRANTY AND SUPPORT

The TESmart HDMI KVM Switch comes with a 1-year warranty from the date of purchase.

For any questions, concerns, or technical assistance, please reach out to our customer experience design team. You can contact TESmart directly through the Amazon platform by navigating to the product page, clicking on 'Sold by TESmart', and then selecting 'Ask a question'.



Figure 5: TESmart offers 24/7 technical support.

## Related Documents - HKS201-E23

	<p><a href="#"><u>TESmart HKS201-E23/HKS401-E23 2-Port KVM Switch with USB 3.0 Docking Station - User Manual</u></a></p> <p>User manual detailing the features, specifications, installation, and usage of the TESmart HKS201-E23 and HKS401-E23 2-port KVM switch kits, which include HDMI 4K60Hz support and USB 3.0 docking station capabilities for controlling two PCs.</p>
	<p><a href="#"><u>TESmart 16x1 HDMI KVM Switch User Manual: Features, Operation, and Specifications</u></a></p> <p>Comprehensive user guide for the TESmart 16x1 HDMI KVM Switch. Learn about its features, panel layout, connection diagrams, basic operations including port selection, auto-scan, RS232/LAN port usage, and warranty information.</p>
	<p><a href="#"><u>TESmart KVM Switch Troubleshooting Guide: Resolve Common AV Issues</u></a></p> <p>Comprehensive troubleshooting guide for TESmart KVM switches, covering hotkey, keyboard/mouse, video signal, audio, and resolution issues. Includes model HKS0202A10.</p>
	<p><a href="#"><u>TESmart HKS0201B2U KVM Switch Troubleshooting Guide</u></a></p> <p>Comprehensive troubleshooting guide for TESmart KVM switches, including model HKS0201B2U. Covers common issues with hotkeys, keyboard/mouse, video signals, audio, and refresh rates/resolutions. Provides solutions and setup tips for 2-port HDMI KVM switches supporting 4K 60Hz, EDID, and USB 2.0 hub functionality.</p>
	<p><a href="#"><u>TESmart KVM Switch Troubleshooting Guide</u></a></p> <p>Comprehensive troubleshooting guide for TESmart KVM switches, covering common issues with hotkeys, keyboard/mouse, video signals, audio, and refresh rates/resolutions. Includes solutions and tips for common AV problems.</p>
	<p><a href="#"><u>TESmart KVM Switch Troubleshooting Guide - HKS0402A1U</u></a></p> <p>Comprehensive troubleshooting guide for TESmart KVM switches, including solutions for hotkey issues, keyboard/mouse problems, video signal errors, audio, and refresh rate/resolution problems for models like HKS0402A1U.</p>

[pdf]



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