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› GREATHTEK HDMI KVM Switch (Model GHT-S7415H-01) User Manual

GREATHTEK GHT-S7415H-01

GREATHTEK HDMI KVM Switch User Manual

Model: GHT-S7415H-01

Brand: GREATHTEK

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your GREATHTEK HDMI KVM Switch. This device allows you to control up to four computers using a single monitor, keyboard, and mouse, enhancing workspace efficiency and reducing cable clutter. Please read this manual thoroughly before use to ensure proper functionality and to maximize your product experience.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- KVM Switch Unit x1
- HDMI 2.0 Cable x1
- USB 3.0 Cable x4
- USB C Power Cable x1
- Desktop Controller x1
- Instruction Manual x1
- Foot Pad x4

Packing List

- HDMI KVM Switch*1
- USB 3.0 Cable*4
- USB C Power Cable*1
- Foot Pad*4
- HDMI Cable*1
- Protection Plan Card*1
- Instruction Manual*1
- Desktop Controller*1



The image displays the GREATHTTEK HDMI KVM Switch and all included accessories: the switch unit, HDMI cable, USB 3.0 cables, USB C power cable, desktop controller, instruction manual, and foot pads.

PRODUCT FEATURES

- **4-Port KVM Functionality:** Control up to four computers (PCs) with a single set of keyboard, mouse, and monitor.
- **High Resolution Support:** Supports resolutions up to 4K@60Hz (3840x2160@60Hz), and is backward compatible with 2K and 1080P. Ensure your source devices, monitor, and HDMI cables all support 4K@60Hz for optimal performance.
- **High-Speed USB 3.0 Ports:** Equipped with 3 USB 3.0 ports and 1 USB C port, offering data transfer speeds up to 5 Gbit/s, which is ten times faster than USB 2.0. These ports can connect keyboards, mice, USB drives, printers, scanners, and other USB devices.
- **Dual Switching Methods:** Easily switch between connected computers using either the physical button on the KVM switch or the included 1.5m wired desktop controller.
- **EDID Adaptation:** Features EDID adaptation to maintain consistent window and resolution settings when switching between computers, preventing display disruption.
- **Wide Compatibility:** Compatible with various operating systems including Windows, Linux, Unix, and Mac.



The KVM switch supports Ultra HD 4K resolution at 60Hz, ensuring clear and sharp visuals.

Support EDID adaptation

The window and resolution will not change when switching



With EDID

Without EDID

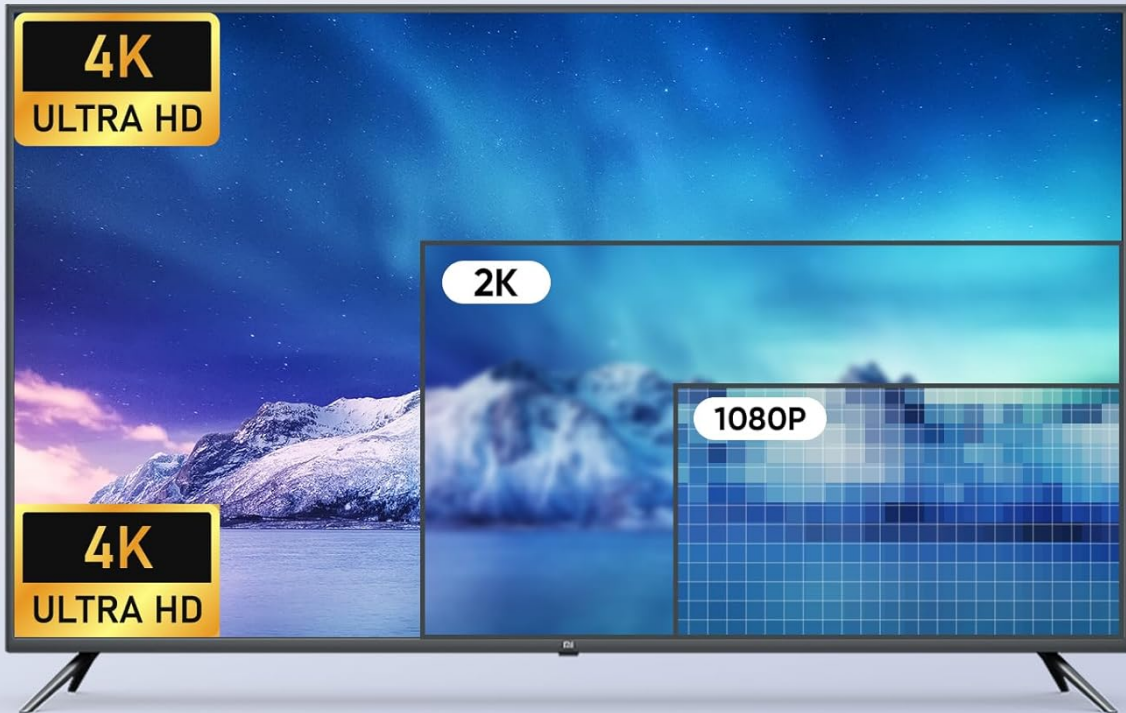
Keep your settings consistent with before switching

Your settings will be disrupted

The KVM switch features 3 USB 3.0 ports for high-speed data transfer, significantly faster than USB 2.0.

Ultra HD 4K@60Hz

- Support 3840*2160@60Hz
- Support HDMI2.0, Transmission rate 18Gbps
- Support HDCP2.2, EDID Adaptive



With EDID adaptation, the KVM switch ensures your display settings remain consistent when switching between computers.

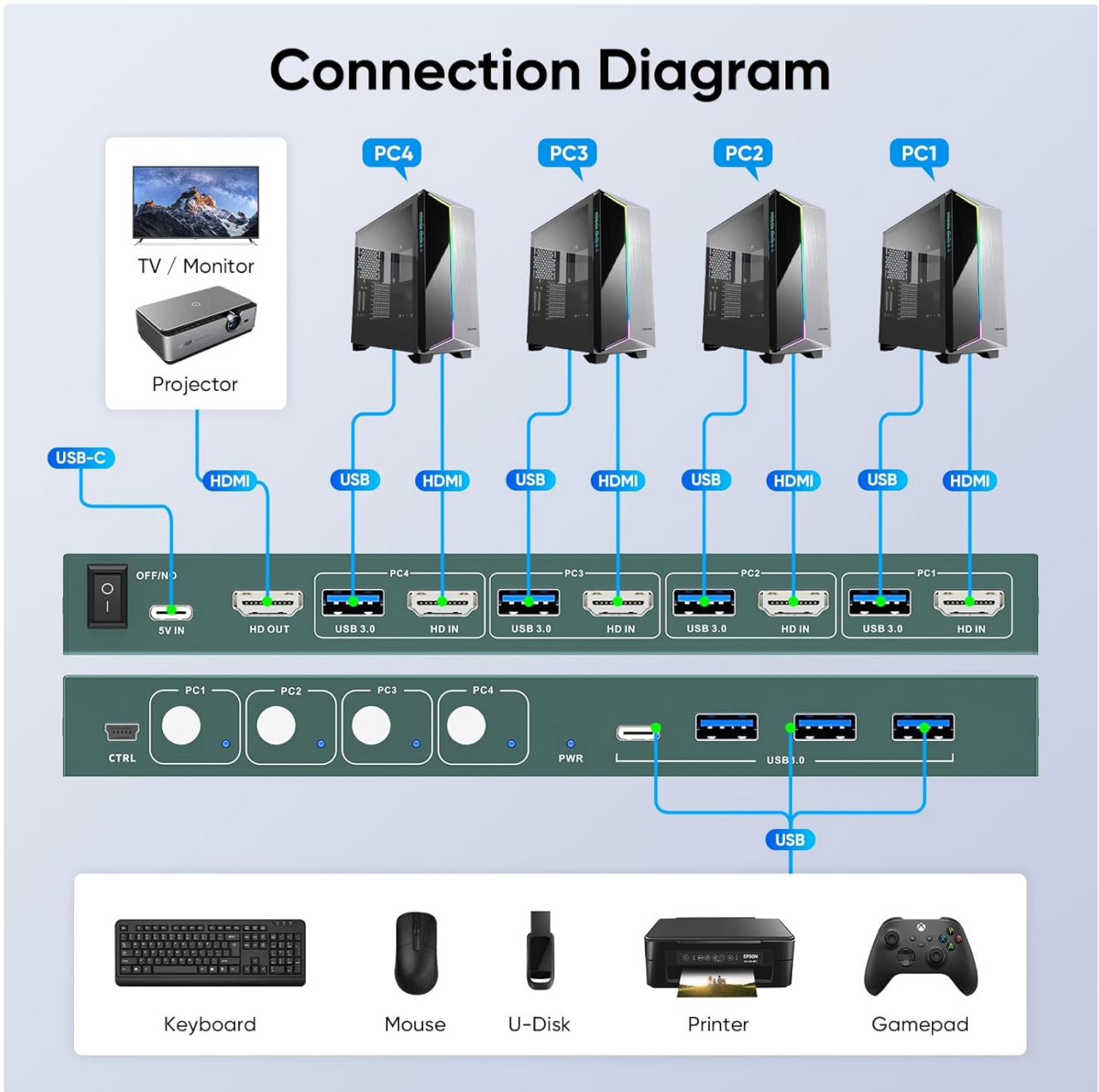
SETUP INSTRUCTIONS

Follow these steps to properly set up your GREATHTEK HDMI KVM Switch:

1. **Power Off All Devices:** Before starting, ensure all computers and your monitor are powered off and unplugged from their power sources.
2. **Connect the Monitor:** Connect your monitor to the "HD OUT" port on the KVM switch using an HDMI cable.
3. **Connect Computers (HDMI):** For each computer, connect an HDMI cable from the computer's HDMI output to an available "HD IN" port (PC1, PC2, PC3, PC4) on the KVM switch.
4. **Connect Computers (USB):** For each computer, connect a USB 3.0 cable from the computer's USB port to the corresponding "USB 3.0" input port (PC1, PC2, PC3, PC4) on the KVM switch. These connections enable keyboard, mouse, and other USB device sharing.
5. **Connect Keyboard and Mouse:** Connect your keyboard and mouse to the dedicated USB 3.0 ports on the KVM switch. You can also connect other USB peripherals like a USB drive or printer to the remaining USB 3.0 ports.
6. **Connect Power:** Connect the USB C power cable to the KVM switch's power input and then to a suitable USB power

adapter (not included) or a powered USB port.

7. **Power On:** Power on the KVM switch, then your monitor, and finally your computers.



This diagram illustrates how to connect your computers, monitor, and USB devices to the KVM switch.

Your browser does not support the video tag.

This video demonstrates the connection process and how to switch between connected computers using the KVM switch.

OPERATING INSTRUCTIONS

Once the KVM switch is set up, you can easily switch between your connected computers.

Switching Between Computers

The GREATHTEK HDMI KVM Switch offers two methods for switching:

- **Front Panel Button:** Press the corresponding button (PC1, PC2, PC3, or PC4) on the front panel of the KVM switch to select the desired computer. The LED indicator next to the button will illuminate to show the active computer.
- **Wired Desktop Controller:** Use the included wired desktop controller. Press the button on the controller to cycle

through the connected computers. This allows for convenient switching without reaching for the KVM unit itself.

3 USB 3.0 Ports

5Gbps USB 3.0 Faster Speed

10X Faster Than USB 2.0

USB 3.0

5Gbps

USB 2.0

480Mbps



The KVM switch provides both a physical button on the unit and a wired remote for convenient switching between computers.

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 using liquid cleaners or aerosols, which may damage the unit.
- **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.
- **Environmental Conditions:** Avoid exposing the device to extreme temperatures, humidity, or direct sunlight.

TROUBLESHOOTING

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

- **No Display Output:**

- Ensure all HDMI cables are securely connected to both the KVM switch and the computers/monitor.
- Verify that the KVM switch is powered on.
- Check if the correct input source is selected on your monitor.
- Try restarting the KVM switch and the connected computers.
- Confirm that your HDMI cables support the desired resolution (e.g., 4K@60Hz).

- **Keyboard/Mouse Not Responding:**

- Ensure the USB 3.0 cables from the computers to the KVM switch are properly connected.
- Verify that the keyboard and mouse are connected to the dedicated USB 3.0 ports on the KVM switch.
- Try connecting the keyboard and mouse directly to the computer to confirm they are functional.
- Some specialized gaming keyboards/mice may require direct connection or specific drivers; try a standard keyboard/mouse first.

- **Display Resolution/Refresh Rate Issues:**

- Ensure all connected devices (computers, monitor, HDMI cables) support the desired resolution and refresh rate (e.g., 4K@60Hz).
- Adjust display settings on your computer to match the capabilities of your monitor and KVM switch.

- **Switching Delay:**

- A slight delay during switching is normal as the system re-establishes connections. Excessive delays might indicate a cable issue; try replacing HDMI or USB cables.

If these steps do not resolve your issue, please contact GREATHTEK customer support for further assistance.

SPECIFICATIONS

Feature	Specification
Model Number	GHT-S7415H-01
Brand	GREATHTEK
KVM Ports	4 Computers, 1 Monitor
Video Resolution	Up to 4K@60Hz (3840x2160@60Hz)
USB Ports	3 x USB 3.0, 1 x USB C
USB Transfer Speed	Up to 5 Gbit/s
Switching Methods	Button Switch, Desktop Controller
Desktop Controller Cable Length	1.5m
Compatibility	Windows, Linux, Unix, Mac
Connector Type	HDMI, USB-A, USB-C
Material	Copper (Contact Material)

Feature	Specification
Color	Black
Dimensions (Parcel)	25.2 x 18.3 x 6.9 cm
Weight (Parcel)	810 g

WARRANTY AND SUPPORT

GREATHTEK products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included in your package or contact GREATHTEK customer support.

If you encounter any issues or have questions regarding your KVM switch, please do not hesitate to contact our customer support team. We are committed to providing prompt and helpful assistance.