

GREATHTEK H-S7811

GREATHTEK HDMI KVM Switch H-S7811 User Manual

Model: H-S7811

1. INTRODUCTION

Thank you for choosing the GREATHTEK H-S7811 HDMI KVM Switch. This device allows you to control up to eight computers using a single set of keyboard, mouse, and monitor. It supports 4K@30Hz resolution, USB 2.0 peripheral sharing, and offers multiple switching methods for convenience. This manual provides detailed instructions for installation, operation, and troubleshooting to ensure optimal performance.

2. PACKAGE CONTENTS

Please check the package contents upon opening. If any items are missing or damaged, please contact customer support.

- 1x GREATHTEK H-S7811 HDMI KVM Switch
- 8x USB-A to USB-B Cables
- 1x Power Adapter
- 1x RS232 Terminal
- 2x Hardware Accessories (Mounting Brackets)
- 1x User Manual (this document)
- 1x Warranty Card
- 4x Foot Pads

Package List

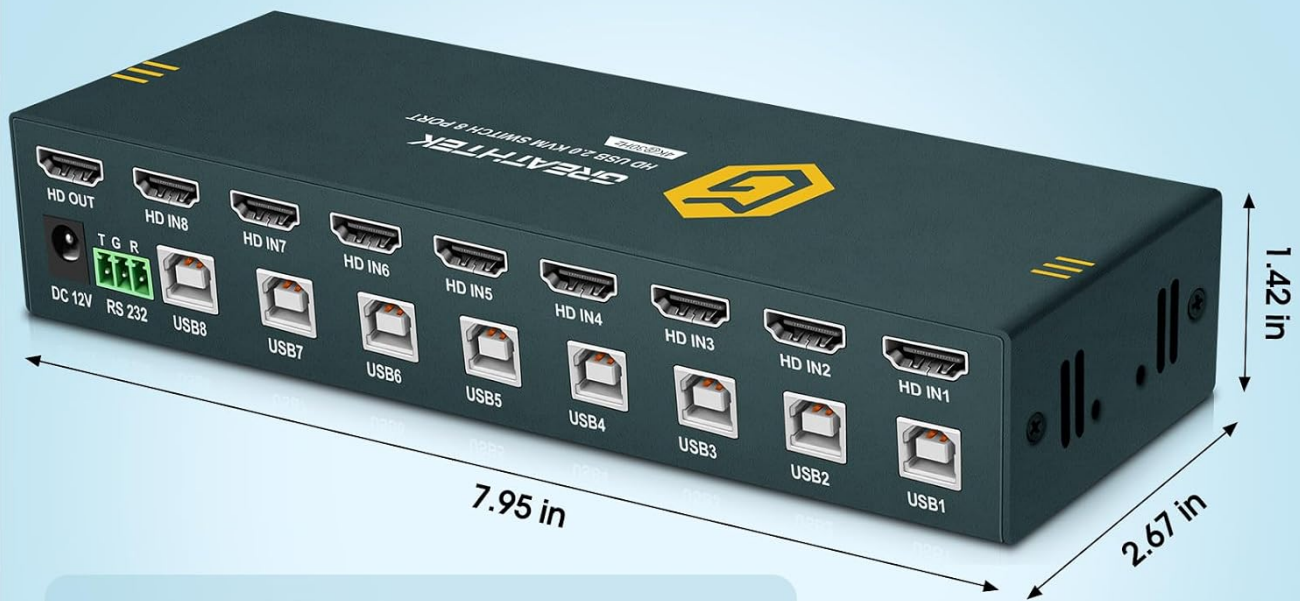


Figure 2.1: Contents included in the product package.

3. PRODUCT FEATURES

- **8-Port KVM Functionality:** Control up to 8 computers with one keyboard, mouse, and monitor.
- **High Resolution Support:** Supports resolutions up to 4K (3840x2160) at 30Hz, compatible with HDMI 1.4 and HDCP 2.2.
- **USB 2.0 Sharing:** Equipped with 2 USB 2.0 ports and 2 dedicated K/M ports, allowing sharing of USB devices like scanners, printers, and U-disks among connected computers.
- **Multiple Switching Methods:** Switch between computers using front panel buttons, keyboard hotkeys, or RS232 serial commands.
- **Adaptive EDID:** Features adaptive EDID to ensure compatibility with various display devices and operating systems including Windows 10/8/7/XP, Linux, and Mac.
- **Quick Switching:** Input switching typically completes within 3-5 seconds.

4K*2K@30Hz

1080P

- Support(3840X2160) @ 30Hz,
- HDMI 1.4 HDCP 2.2
- Ultra visual enjoyment.Can clearly show every detail.



Figure 3.1: The KVM switch supports 4K@30Hz resolution for clear visuals.

8 PC Share 2 USB2.0 PORTS AND 2K/M PORTS

Note: If you need to use the hotkey function, please ensure that the keyboard is connected to the K/M port, not the USB 2.0 port



High Compatibility

Compatible with multiple systems



Figure 3.2: USB 2.0 and K/M ports allow sharing of peripherals across multiple computers.

4. SETUP INSTRUCTIONS

4.1 Connection Diagram

Connection Diagram

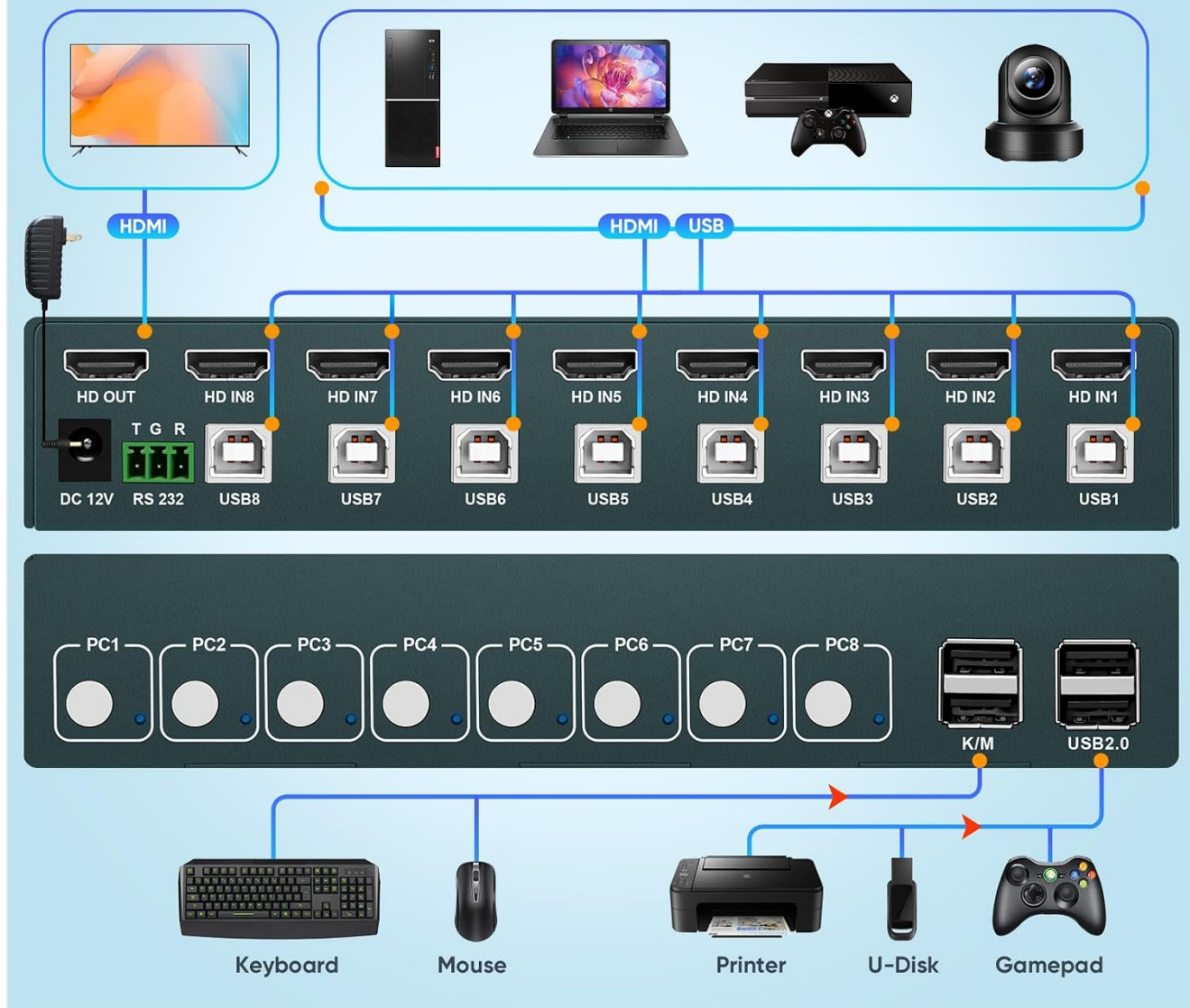


Figure 4.1: Connection overview of the KVM switch with multiple devices.

4.2 Step-by-Step Connection

1. **Power Off Devices:** Ensure all computers, the monitor, and the KVM switch are powered off before making any connections.
2. **Connect Monitor:** Connect your monitor to the 'HD OUT' port on the KVM switch using an HDMI cable.
3. **Connect Computers (HDMI):** Connect the HDMI output of each computer to the 'HD IN' ports (HD IN1 to HD IN8) on the KVM switch.
4. **Connect Computers (USB):** For each computer, connect one end of the USB-A to USB-B cable to a USB port on your computer and the other end to the corresponding 'USB' port (USB1 to USB8) on the KVM switch. These ports are typically located next to the 'HD IN' ports.
5. **Connect Keyboard and Mouse:** Connect your keyboard and mouse to the dedicated 'K/M' USB ports on the KVM switch. **Important: For hotkey functionality, the keyboard and mouse must be connected to these specific K/M ports, not the general USB 2.0 ports.**
6. **Connect USB Peripherals:** Connect any additional USB devices (e.g., printer, U-disk) to the 'USB 2.0' ports on the KVM switch.

7. **Connect Power:** Connect the provided power adapter to the 'DC 12V' port on the KVM switch and then plug it into a power outlet.
8. **Power On:** Power on the KVM switch, then your monitor, and finally each connected computer.

5. OPERATION

5.1 Switching Modes

The KVM switch offers three methods to switch between connected computers:

- **Button Switch:** Press the corresponding 'PC' button (PC1-PC8) on the front panel of the KVM switch to select the desired computer. This method typically takes 2-4 seconds to complete the switch.
- **Hotkey Switch:** Use specific keyboard hotkey combinations to switch between computers. Ensure your keyboard is connected to the dedicated K/M port for this function.
- **RS232 Serial Commands:** For advanced control, the KVM switch can be controlled via RS232 serial commands. Refer to the detailed RS232 protocol documentation (if provided separately) for specific commands.

Three Switching Modes

1

Button Switch

Just take 2-4 seconds to finish switching



2

Hotkey Switch

Hotkey: Scroll Lock+Scroll Lock+1-8
or Ctrl+Ctrl+1-8

Ensure that the keyboard is connected to the K/M port, not the USB 2.0 port

3

RS232 Serial Commands

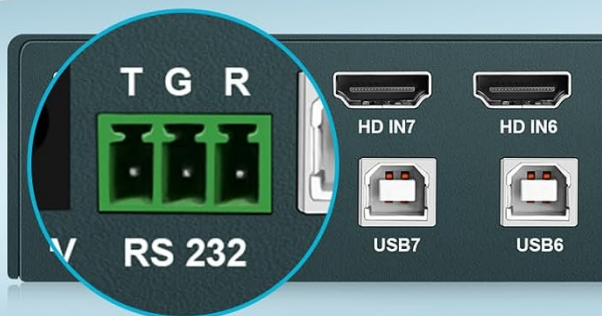


Figure 5.1: The KVM switch supports button, hotkey, and RS232 switching methods.

5.2 Hotkey Functionality

To use hotkeys, ensure your keyboard is connected to the dedicated K/M port on the KVM switch.

- **Switching Hotkeys:**
 - Press **Scroll Lock + Scroll Lock + [1-8]** to switch to the corresponding PC.
 - Alternatively, press **Ctrl + Ctrl + [1-8]** to switch to the corresponding PC.
- **Hotkey Beep:** The KVM switch may emit a beep sound when switching inputs. This is a normal indication of a successful switch.

6. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	GREATHTEK
Model Number	H-S7811
Switch Type	8-way KVM Switch
Connector Type	HDMI, USB 2.0
Max Resolution	4K (3840x2160) @ 30Hz
HDMI Standard	HDMI 1.4, HDCP 2.2
Operating Voltage	5 Volts
Current Rating	1 Ampere
Operation Mode	Automatic
Product Dimensions (LxWxH)	23.4 x 15.2 x 6.4 cm (9.2 x 6.0 x 2.5 inches)
Item Weight	1.06 Kilograms (2.34 lbs)
Material	Gold (referring to connectors)
Supported OS	Windows 10/8/7/XP, Linux, Mac

7. TROUBLESHOOTING

- **No Display / Black Screen:**
 - 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 selected input on the KVM switch matches the active computer.
 - Note that a 3-5 second black screen is normal during HDMI signal switching.
 - Confirm your monitor supports the output resolution (e.g., 4K@30Hz). If not, try a lower resolution on the computer.
- **Keyboard/Mouse Not Working:**

- Ensure the keyboard and mouse are connected to the dedicated 'K/M' ports on the KVM switch.
- Verify the USB-A to USB-B cables are correctly connected from each computer to the KVM switch's corresponding USB ports.
- Try reconnecting the keyboard and mouse.
- Some specialized gaming keyboards/mice may have compatibility issues. Try a standard keyboard/mouse to isolate the problem.

- **Hotkey Function Not Working:**

- Confirm your keyboard is plugged into the 'K/M' port, not a general USB 2.0 port.
- Ensure the hotkey sequence is pressed correctly (e.g., Scroll Lock + Scroll Lock + [number]).

- **Beep Sound During Switching:**

- The beep sound is an audible confirmation of a successful switch. This is normal operation.
- If the beep is undesirable, some KVM models allow disabling it via a specific hotkey sequence. Please refer to the manufacturer's website or contact support for specific instructions for this model if available.

8. MAINTENANCE

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

- Keep the device in a cool, dry, and well-ventilated area, away from direct sunlight, heat sources, and moisture.
- Avoid placing heavy objects on top of the KVM switch.
- Clean the device with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- Ensure all cables are securely connected and not under strain.
- Periodically check for firmware updates on the manufacturer's website, if applicable.

9. WARRANTY AND SUPPORT

The GREATHTEK H-S7811 KVM Switch comes with a standard manufacturer's warranty. Please refer to the included Warranty Card for specific terms and conditions, including warranty period and coverage details. For technical support, troubleshooting assistance, or any product-related inquiries, please contact GREATHTEK customer service through the contact information provided on the warranty card or the official GREATHTEK website.