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TCNEWCL HK801A

TCNEWCL 4K@60Hz HDMI KVM Switch 8 Port User Manual

Model: HK801A

1. INTRODUCTION

The TCNEWCL 4K@60Hz HDMI KVM Switch 8 Port (Model HK801A) allows you to control up to eight computers from a single set of keyboard, mouse, and monitor. This device is designed to streamline your workspace by eliminating the need for multiple peripherals, providing efficient switching between connected systems. It supports high-resolution video up to 4K@60Hz and offers multiple switching methods for user convenience.

2. PACKAGE CONTENTS

Package List



4K HDMI KVM Switch*1



HDMI Cable*8



User Manual*1



Remote Control*1



AAA Battery*2



Wired Desktop Controller*1

Figure 2.1: Package Contents

This image displays all components included in the product package, ensuring users can verify they have received everything necessary for setup and operation.

- 1 x TCNEWCL 4K@60Hz HDMI KVM Switch (Model HK801A)
- 8 x HDMI KVM Cables (150cm each)
- 1 x Wired Desktop Controller
- 1 x IR Remote Control
- 2 x AAA Batteries (for remote control)
- 1 x User Manual

3. PRODUCT OVERVIEW

Familiarize yourself with the ports and indicators on the KVM switch.

Interface Introduction

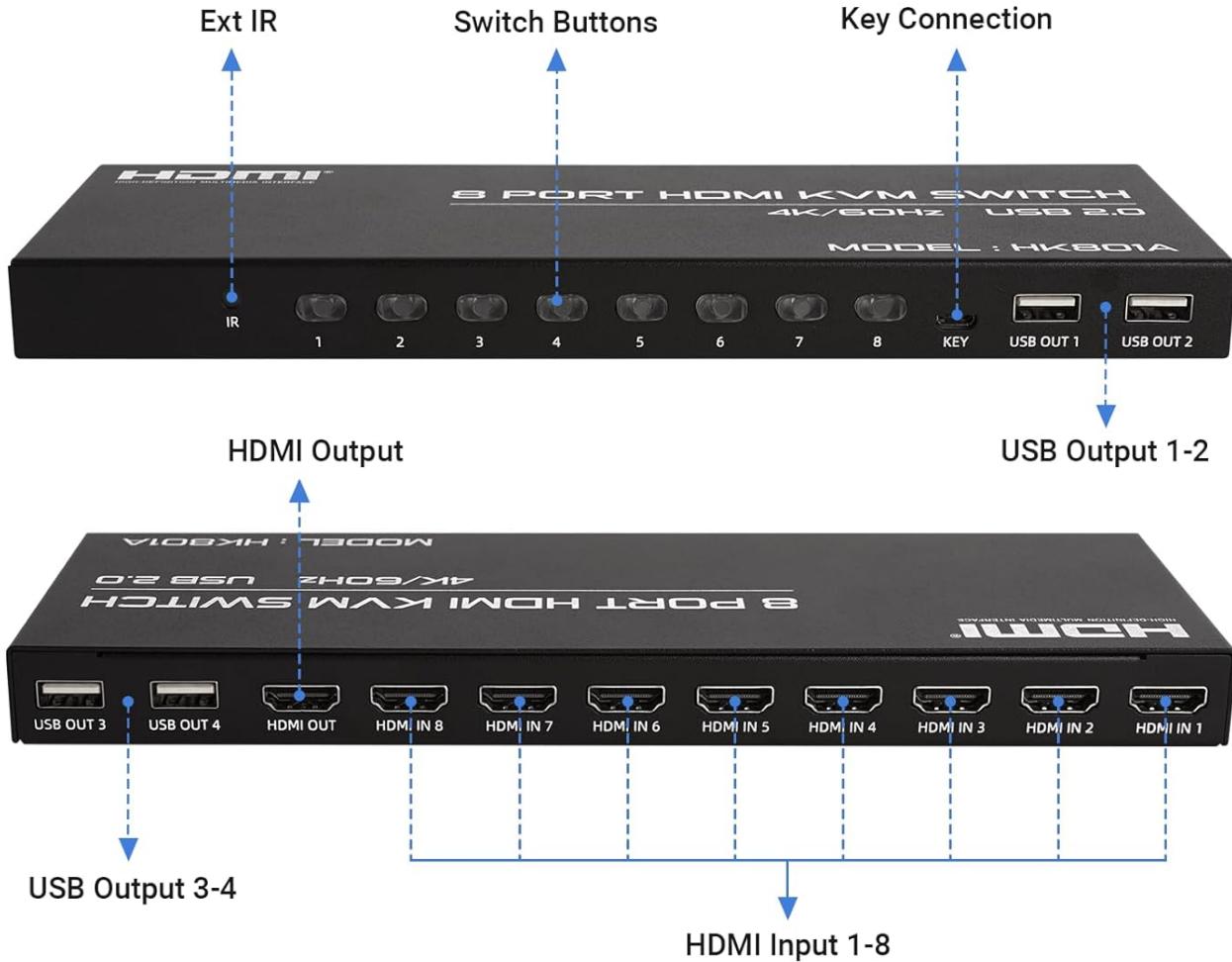


Figure 3.1: KVM Switch Interface Introduction

This diagram illustrates the layout of the KVM switch, highlighting the various input and output ports on both the front and rear panels for easy identification.

Front Panel:

- IR:** Infrared receiver for the remote control.
- 1-8 Buttons:** Manual selection buttons for switching between connected computers.
- KEY:** Port for connecting the wired desktop controller.
- USB OUT 1-2:** USB 2.0 ports for connecting keyboard, mouse, or other USB devices.

Rear Panel:

- HDMI OUT:** Connects to your monitor.
- HDMI IN 1-8:** Connects to the HDMI output of your computers.
- USB OUT 3-4:** Additional USB 2.0 ports for connecting other USB devices (e.g., printer, USB drive).

4. SETUP INSTRUCTIONS

Follow these steps to connect your KVM switch and computers.

Connection

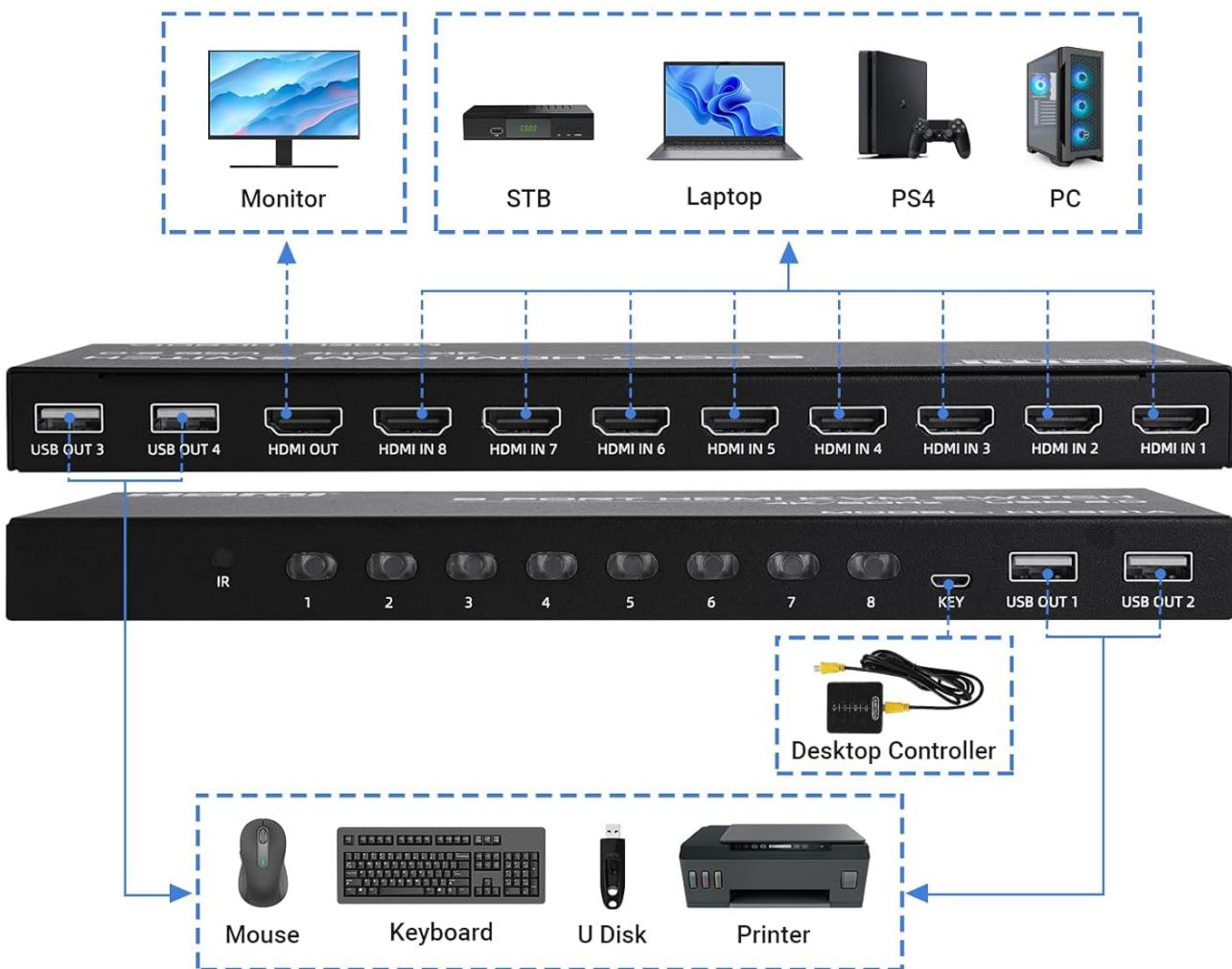


Figure 4.1: Connection Diagram

This diagram provides a visual guide for connecting all necessary components, including computers, a monitor, and USB peripherals, to the KVM switch.

- 1. Power Off All Devices:** Ensure all computers and the monitor are powered off before making any connections.
- 2. Connect Monitor:** Connect your monitor to the **HDMI OUT** port on the rear panel of the KVM switch using an HDMI cable.
- 3. Connect USB Peripherals:** Connect your keyboard, mouse, and any other USB devices (e.g., printer, USB drive) to the **USB OUT 1-2** ports on the front panel or **USB OUT 3-4** ports on the rear panel.
- 4. Connect Computers:** For each computer (up to 8):
 - Connect the HDMI output of your computer to an available **HDMI IN** port (1-8) on the rear panel of the KVM switch using one of the provided HDMI KVM cables.

- Connect the USB-A end of the same HDMI KVM cable to an available USB port on your computer. This connection is crucial for keyboard, mouse, and other USB device functionality.

5. **Connect Wired Desktop Controller (Optional):** If desired, connect the wired desktop controller to the **KEY** port on the front panel.
6. **Insert Batteries:** Insert the two AAA batteries into the IR remote control.
7. **Power On:** Power on the KVM switch (if it has a separate power adapter, which is not explicitly mentioned but implied by "Operating Voltage: 5 Volts" and "Current Rating: 1 Amps", though the product description says "no need to buy additional HDMI cables" and implies power from USB). Then, power on your monitor and computers.

Note: For optimal performance with 4K@60Hz, ensure your HDMI 2.0/2.1 cables are less than 3 meters (10 feet) in length.

5. OPERATING INSTRUCTIONS

The TCNEWCL KVM switch offers three methods for switching between connected computers.

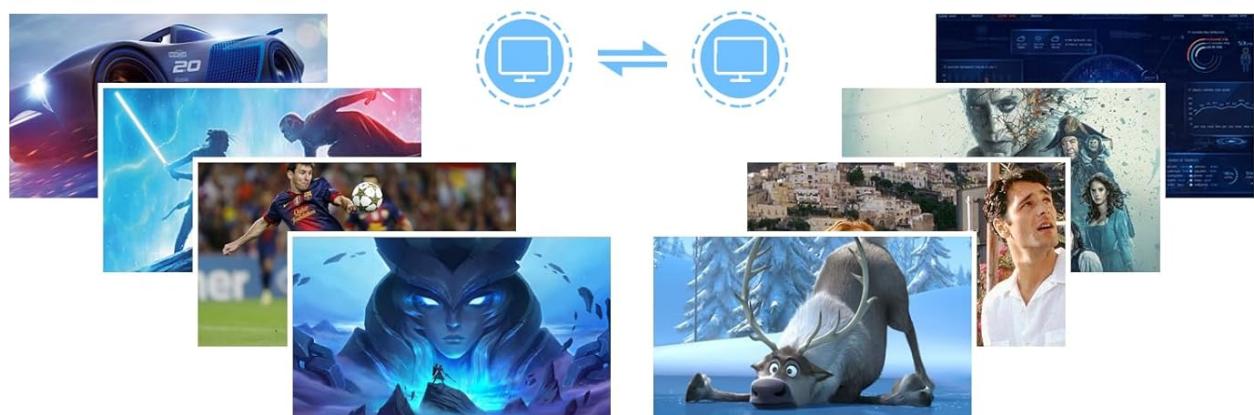


Figure 5.1: Three Switching Methods

This image demonstrates the three convenient ways to switch between the eight connected computers: directly on the KVM unit, using the included IR remote, or via the wired desktop controller.

5.1. Button Control

Press the numbered buttons (1-8) on the front panel of the KVM switch to directly select the corresponding computer input. The LED indicator above the selected button will illuminate.

5.2. Remote Control

Point the IR remote control towards the IR receiver on the front panel of the KVM switch. Press the numbered buttons (1-8) on the remote to select the desired computer input. The LED indicator on the KVM switch will confirm the selection.

5.3. Wired Desktop Controller

If connected, use the wired desktop controller to switch inputs. Press the numbered buttons on the controller to select the corresponding computer. This provides a convenient switching option if the KVM switch is not easily accessible.

6. COMPATIBILITY

The TCNEWCL KVM switch is designed for broad compatibility with various operating systems.

Universal Compatibility

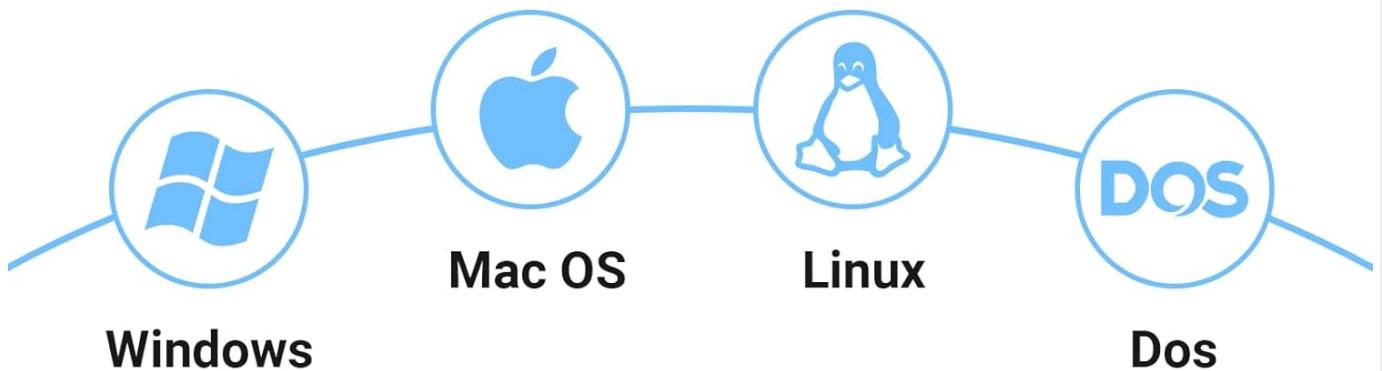


Figure 6.1: Universal Compatibility

This graphic highlights the KVM switch's compatibility with major operating systems, including Windows, Mac OS, Linux, and DOS, ensuring broad usability.

- Windows (11/10/8/7/XP)
- Mac OS
- Linux
- DOS

7. APPLICATION SCENARIOS

This KVM switch is suitable for various environments requiring multi-computer management.

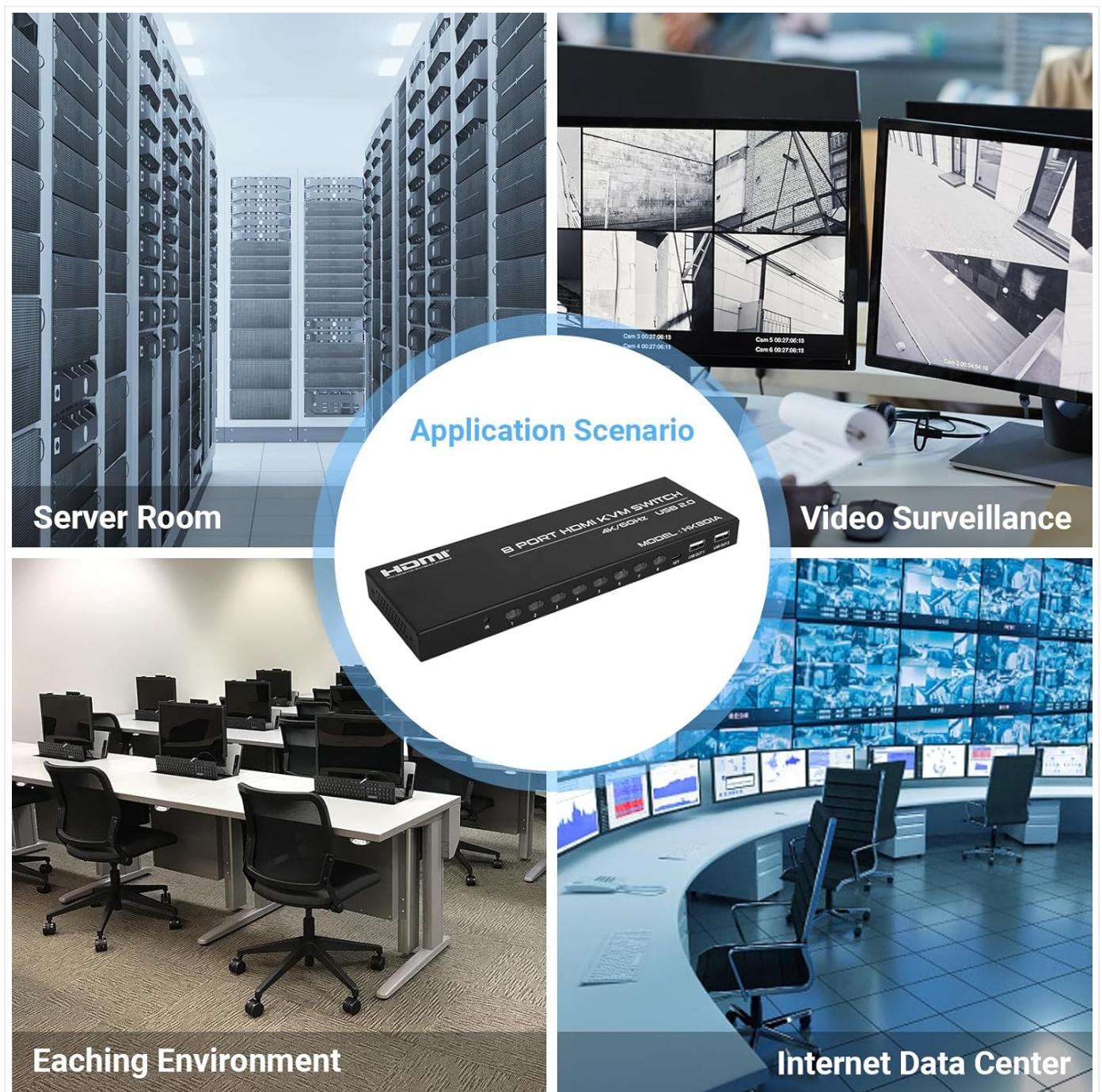


Figure 7.1: Application Scenarios

This image displays common environments where the KVM switch can be effectively utilized, such as server rooms, video surveillance setups, educational facilities, and data centers.

- Server Rooms
- Video Surveillance Systems
- Teaching Environments
- Internet Data Centers
- Home Offices with multiple computers

8. SPECIFICATIONS

Feature	Detail
Model	HK801A

Feature	Detail
Video Resolution	Up to 4K@60Hz
HDMI Standard	HDMI 2.0/2.1, supports 3D visual effects
USB Standard	USB 2.0
Input Ports	8 x HDMI IN, 8 x USB-A (integrated into KVM cables)
Output Ports	1 x HDMI OUT, 4 x USB OUT (for peripherals)
Switching Methods	Button, IR Remote Control, Wired Desktop Controller
Operating Voltage	5 Volts
Current Rating	1 Amps
Product Dimensions (L x W x H)	8.07 x 2.56 x 0.79 inches
Weight	3.2 Pounds
Supported OS	Windows, Mac OS, Linux, DOS

9. TROUBLESHOOTING

If you encounter issues, please refer to the following common troubleshooting steps:

- **No Display on Monitor:**

- Ensure all HDMI cables are securely connected between the KVM switch, monitor, and computers.
- Verify that the selected input on the KVM switch corresponds to an active computer.
- Test the monitor and HDMI cables directly with a computer to rule out external issues.
- Ensure the KVM switch is receiving power.

- **Keyboard/Mouse Not Responding:**

- Confirm that the USB-A ends of the KVM cables are connected from each computer to a USB port on the computer.
- Try connecting the keyboard/mouse to different USB OUT ports on the KVM switch.
- Ensure the keyboard and mouse are standard USB devices. Some specialized gaming keyboards/mice with extra features may require direct connection or specific drivers.
- Restart the KVM switch and the connected computers.

- **Intermittent Signal/Flickering:**

- Check HDMI cable lengths. For 4K@60Hz, HDMI 2.0/2.1 cables should be under 3 meters (10 feet).
- Ensure cables are high-quality and not damaged.
- Reduce the display resolution or refresh rate temporarily to see if the issue persists.

- **Switching Issues:**

- Ensure the remote control batteries are not depleted and that there is a clear line of sight to the IR receiver.
- Test switching using the front panel buttons and the wired desktop controller to isolate the issue.
- Some operating systems, particularly Linux, may require a brief moment to re-detect peripherals after

switching.

- **One KVM Cable Not Working:**

- Test the problematic cable with a different computer or KVM input port to determine if the cable itself is faulty.
- Ensure both the HDMI and USB connections of the KVM cable are properly seated.

10. MAINTENANCE

- Keep the KVM switch in a cool, dry place away from direct sunlight and heat sources.
- Clean the device with a soft, dry cloth. Avoid using liquid cleaners or solvents.
- Ensure proper ventilation around the unit to prevent overheating.
- Regularly check cable connections for security.

11. WARRANTY AND SUPPORT

TCNEWCL products come with a standard warranty. For specific warranty details, please refer to the warranty card included in your package or visit the official TCNEWCL website.

If you encounter any issues or have questions regarding your TCNEWCL 4K@60Hz HDMI KVM Switch, please contact TCNEWCL customer support. Our team is available to provide assistance and solutions.

You can typically find contact information in the user manual or on the product's Amazon listing page under the seller information.