

## CKL 922HUA-3

# CKL KVM Switch Dual Monitor HDMI 4K@60Hz (Model 922HUA-3) Instruction Manual

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CKL KVM Switch Dual Monitor HDMI 4K@60Hz, Model 922HUA-3. This device allows you to control two computers or laptops using a single set of keyboard, mouse, and two monitors, enhancing efficiency in both home and office environments.

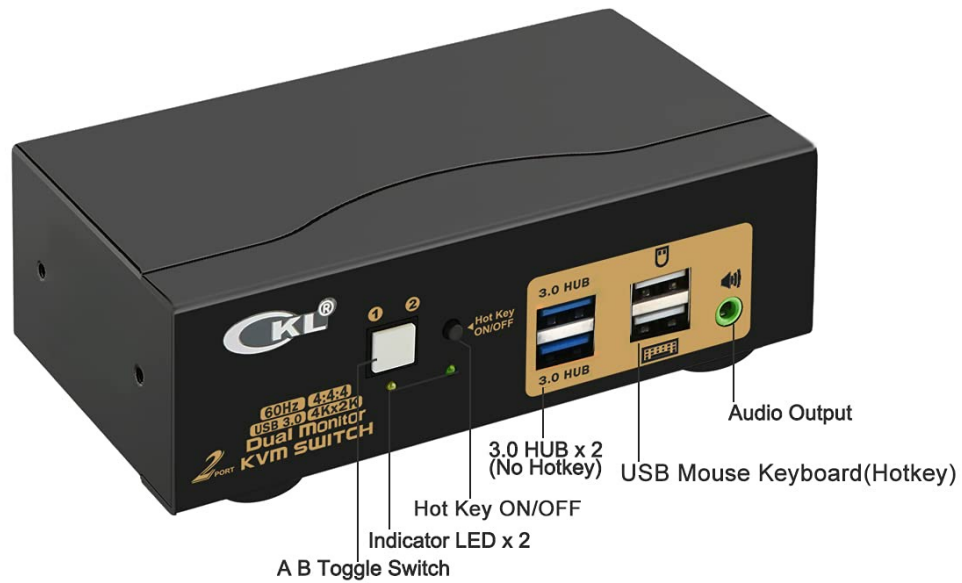
## 2. KEY FEATURES

- **Dual Monitor Support:** Control two computers with two extended or mirrored monitors simultaneously.
- **USB 3.0 Hub:** Integrated with two USB 3.0 ports for sharing additional USB peripherals such as printers, scanners, webcams, and hard drives, offering data transfer rates up to 5Gbps.
- **High Resolution:** Supports HDMI 2.0 with resolutions up to 3840x2160 (4K) at 60Hz, and compatible with lower resolutions.
- **Multi-Platform Compatibility:** Compatible with Windows, Linux, Mac, and other operating systems.
- **Multiple Switching Methods:** Switch between connected computers using a front panel push button, keyboard hotkeys, mouse clicks, or a wired remote control.
- **Auto Detection and Memory:** Features auto-detection and memory functions for power loss scenarios.

## 3. PRODUCT OVERVIEW

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

## Front



## Back

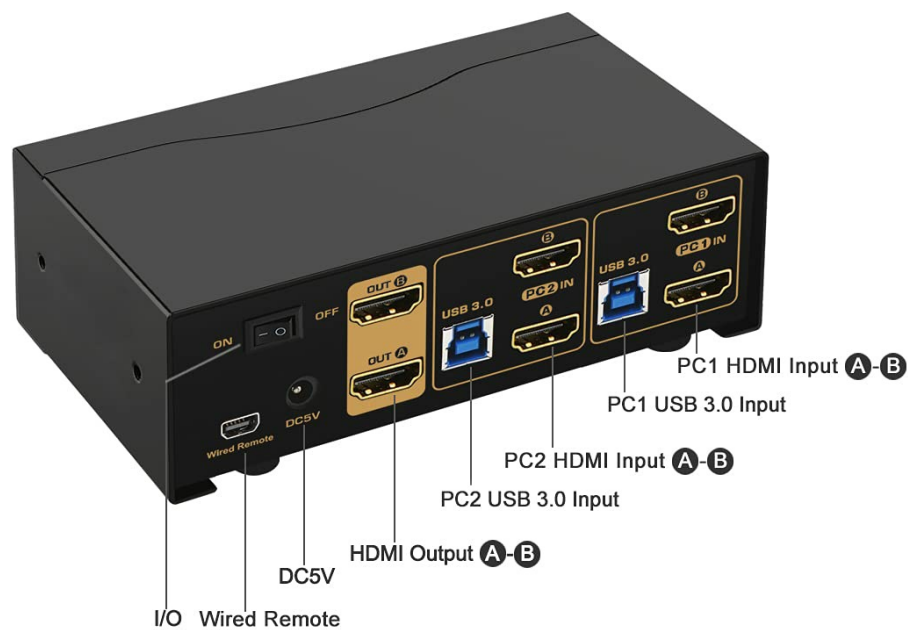


Image: Front and back panels of the CKL KVM Switch 922HUA-3, illustrating all input and output ports, including HDMI, USB 3.0, audio, and control buttons.

### Front Panel:

- **PC1/PC2 Select Buttons:** Press to switch between computers.
- **Hot Key ON/OFF Switch:** Enables or disables keyboard hotkey functionality.
- **USB 3.0 HUB Ports:** For connecting additional USB peripherals.
- **USB Mouse/Keyboard Ports:** Dedicated ports for keyboard and mouse, supporting hotkey switching.
- **Audio Output:** 3.5mm jack for speakers or headphones.

### Rear Panel:

- **DC5V Power Input:** Connect the provided power adapter.
- **Wired Remote Port:** Connect the wired remote control for switching.
- **HDMI Output (OUT A, OUT B):** Connect to your two monitors.
- **PC1/PC2 HDMI Input (A, B):** Connect two HDMI cables from each computer to these ports.

- **PC1/PC2 USB 3.0 Input:** Connect USB 3.0 cables from each computer to these ports for keyboard, mouse, and USB hub functionality.

## 4. SETUP INSTRUCTIONS

Follow these steps to correctly set up your CKL KVM Switch.



Image: A detailed diagram illustrating the complete connection setup for the KVM switch, including two computers, two monitors, keyboard, mouse, and optional peripherals.

1. **Power Off:** Ensure all computers and monitors are powered off before beginning the connection process.
2. **Connect Monitors:** Connect your two monitors to the KVM switch's **HDMI OUT A** and **HDMI OUT B** ports using HDMI cables.
3. **Connect Computers (Video):** For each computer (PC1 and PC2), connect two HDMI cables from the computer's video outputs to the corresponding **HDMI IN A** and **HDMI IN B** ports on the KVM switch. **Note:** Each computer requires two HDMI outputs. If your computer lacks dual HDMI outputs, reliable adapters (e.g., USB-C to HDMI, DisplayPort to HDMI) may be necessary.
4. **Connect Computers (USB):** Connect a USB 3.0 cable from a USB 3.0 port on each computer (PC1 and PC2) to the corresponding **PC1 USB 3.0 Input** and **PC2 USB 3.0 Input** ports on the KVM switch. These cables provide power and enable keyboard, mouse, and USB hub functionality.
5. **Connect Keyboard and Mouse:** Connect your USB keyboard and mouse to the dedicated **USB Mouse** and **USB Keyboard** ports on the front panel of the KVM switch. For specialized keyboards/mice or if hotkey functionality is not desired, you may connect them to the **USB 3.0 HUB** ports.
6. **Connect Audio (Optional):** If using external speakers or headphones, connect them to the **Audio Output** jack on the front panel. Ensure your computer's sound settings are configured to output audio via HDMI or the KVM's audio device.
7. **Connect Wired Remote (Optional):** Plug the wired remote control into the **Wired Remote** port on the rear panel.

- Power On:** Connect the DC5V power adapter to the KVM switch and plug it into a power outlet. Then, power on your monitors, followed by your computers.

## 5. OPERATING INSTRUCTIONS

The CKL KVM Switch offers multiple methods for switching between connected computers.

### Maximum Resolution 4Kx2K@60Hz 4:4:4



Image: Visual representation of the four available switching methods for the KVM switch: front panel button, keyboard hotkeys, mouse gestures, and the wired remote control.

### 5.1 Switching Methods

- **Front Panel Push Button:** Press the 'Select' button on the front of the KVM switch to cycle between PC1 and PC2.
- **Keyboard Hotkeys:** Ensure the 'Hot Key ON/OFF' switch on the front panel is set to ON. The default hotkey sequence is typically **Scroll Lock + Scroll Lock + 1**(for PC1) or **Scroll Lock + Scroll Lock + 2**(for PC2). Other hotkey combinations may be available; refer to the quick start guide for specific details.
- **Mouse Switching:** Double-click the scroll wheel of your mouse to switch between computers.
- **Wired Remote Control:** Press the button on the wired remote control to switch between PC1 and PC2.

### 5.2 Display Modes

The KVM switch supports various display configurations depending on your computer's graphics card settings:



Image: Illustrations of different multi-monitor display modes supported, including Extended, Mirrored, and Splicing Wall configurations.

- **Extended Display:** Each monitor displays a different part of your desktop, expanding your workspace.
- **Mirrored Display:** Both monitors display the same content.
- **Splicing Wall:** Combines multiple displays into a single large virtual display (requires specific graphics card support).

## 6. MAINTENANCE

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

- Keep the device in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the device to liquids or excessive moisture.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the KVM switch to prevent overheating.
- Regularly check all cable connections to ensure they are secure.

## 7. TROUBLESHOOTING

If you encounter issues with your KVM switch, refer to the following troubleshooting tips:

- **No Display on Monitors:**
  - Verify all HDMI cables are securely connected between computers, KVM, and monitors.
  - Ensure the KVM switch is powered on and its power adapter is properly connected.
  - Check the input source selection on your monitors.
  - Confirm that your computers are powered on and outputting video.
  - If using adapters for non-HDMI outputs, ensure they are functioning correctly and compatible with your setup.
- **Keyboard or Mouse Not Responding:**
  - Ensure the USB 3.0 cables from the computers to the KVM are securely connected.
  - Try connecting the keyboard and mouse to the **USB 3.0 HUB** ports instead of the dedicated KVM ports, especially for specialized or gaming peripherals.
  - If using hotkeys, ensure the 'Hot Key ON/OFF' switch is in the correct position.
  - Test the keyboard and mouse directly with the computer to rule out peripheral issues.
- **Audio Issues:**
  - Check that your speakers/headphones are properly connected to the KVM's audio output.
  - Verify the sound settings on your computer. Ensure that the HDMI audio output (corresponding to the

KVM) is selected as the default playback device.

- Ensure the USB 3.0 cables are connected, as audio often routes through USB.

- **Switching Not Working:**

- Confirm all cables are firmly connected.
- If using hotkeys, ensure the 'Hot Key ON/OFF' switch is enabled and you are using the correct hotkey sequence.
- Try using a different switching method (e.g., front panel button instead of hotkey).

- **EDID/Resolution Issues (Windows Rearranging):**

- If windows rearrange after switching, try unplugging and re-plugging the monitor connections to the KVM.
- Ensure your graphics drivers are up to date on both computers.
- Some KVMs have EDID emulation features; ensure this is functioning correctly.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	922HUA-3
Connector Type	Dual HDMI Input, Dual HDMI Output, USB 3.0
Operation Mode	Hotkey, Push Button, Mouse, Wired Remote
Maximum Resolution	3840x2160 (4K) @ 60Hz
USB Standard	USB 3.0 (5Gbps)
Operating Voltage	5 Volts (DC)
Current Rating	2 Amps
Material	Metal
Package Dimensions	9.37 x 5.16 x 4.13 inches
Item Weight	2.54 Pounds

## 9. WARRANTY AND SUPPORT

CKL products are designed for reliability and performance. This product is covered by a manufacturer's warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the documentation included with your purchase or visit the official CKL website.

For technical support, troubleshooting assistance, or any inquiries regarding your CKL KVM Switch, please contact CKL customer service through their official support channels. Provide your product model number (922HUA-3) and a detailed description of the issue for efficient assistance.

