

## TCNEWCL 922-KST

# TCNEWCL 4K@60Hz Dual Monitor KVM Switch User Manual

Model: 922-KST

## 1. INTRODUCTION

The TCNEWCL 4K@60Hz Dual Monitor KVM Switch (Model 922-KST) allows two computers to share two monitors and three USB 2.0 devices, such as a keyboard, mouse, and printer. This device supports resolutions up to 4K@60Hz and offers Extended, Duplicate, and Splicing display modes. It is designed to streamline your workspace by enabling seamless switching between two computer systems.

## 2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1x TCNEWCL Dual Monitor HDMI KVM Switch
- 4x HDMI Cables (1.5m)
- 2x USB Cables (1.5m)
- 1x Desktop Controller
- 1x Power Adapter
- 1x User Manual (this document)



- ① 1x TCNEWCL Dual Monitor HDMI KVM Switch
- ② 2x USB Cables (1.5m)
- ③ 4x HDMI Cables (1.5m)
- ④ 1x Desktop Controller
- ⑤ 1x Power Adapter
- ⑥ 1x User Manual



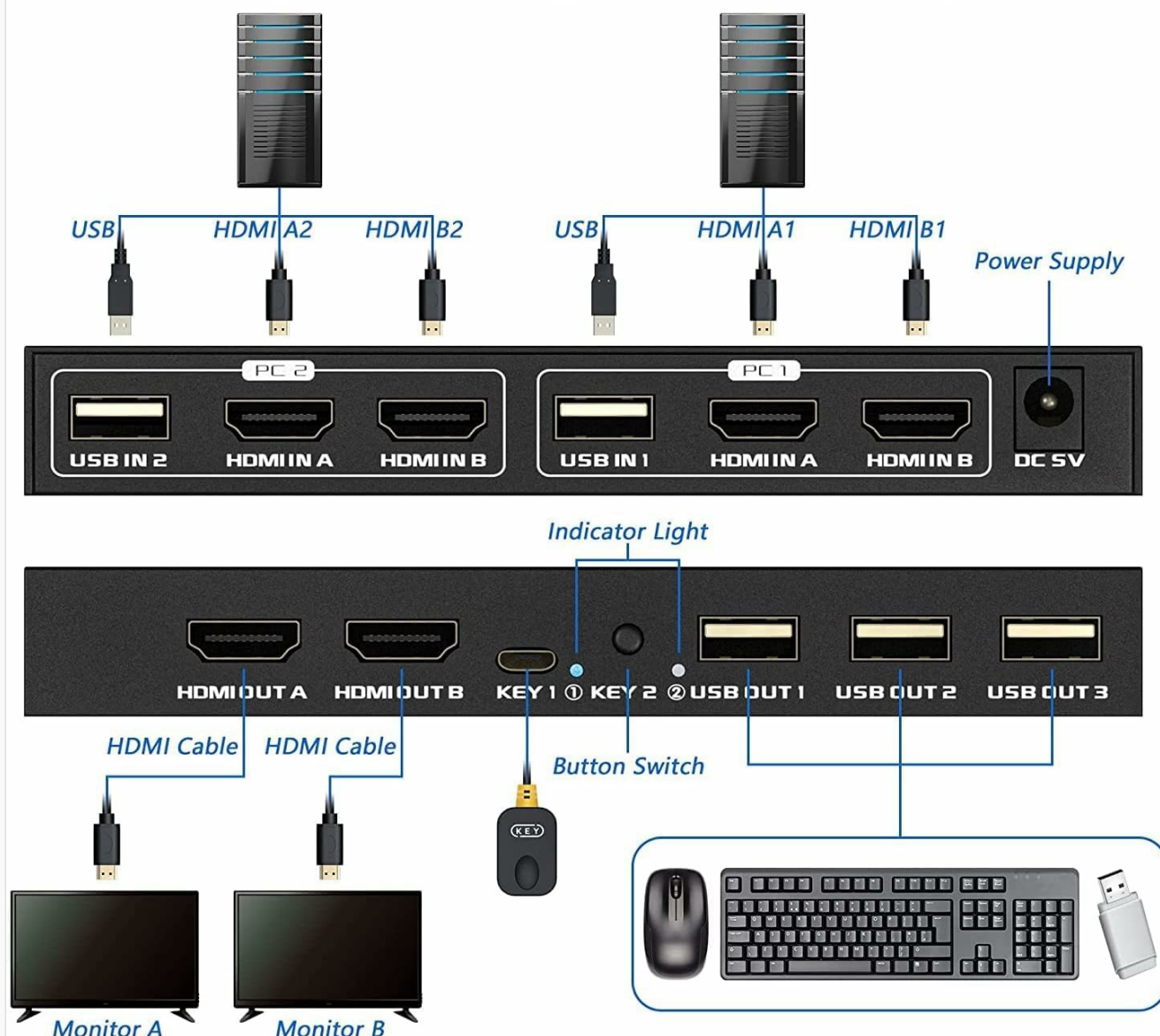
An illustration detailing the items included in the product package: the KVM switch unit, four HDMI cables, two USB cables, a desktop controller, a power adapter, and the user manual.

### 3. PRODUCT OVERVIEW

The KVM switch features multiple ports for connecting your computers, monitors, and USB peripherals. Familiarize yourself with the port layout for proper installation.

# 2 COMPUTERS SHARE 2 HD MONITORS & 3 USB DEVICES

( keyboard, mouse, printer, scanner, etc )



A clear diagram showing the input and output ports of the KVM switch, including HDMI IN, HDMI OUT, USB IN, USB OUT, and the DC 5V power input, along with connections for two PCs, two monitors, and USB peripherals.

## Port Descriptions:

- **HDMI IN A/B (PC1, PC2):** Connects to the HDMI output ports of your computers. Each computer requires two HDMI connections for dual monitor support.
- **USB IN 1/2 (PC1, PC2):** Connects to the USB-A ports of your computers. These connections enable the KVM switch to control shared USB devices.
- **HDMI OUT A/B:** Connects to your two monitors.
- **USB OUT 1/2/3:** Connects to your USB peripherals (e.g., keyboard, mouse, printer).
- **DC 5V:** Power input port.
- **KEY 1/2:** Buttons on the KVM switch for manual switching between PC1 and PC2.
- **Desktop Controller Port:** Connects the wired desktop controller for remote switching.

## 4. SETUP AND INSTALLATION

Follow these steps to properly set up your TCNEWCL KVM Switch:

1. **Power Off Devices:** Ensure both computers and monitors are powered off before making any connections.
2. **Connect Monitors:** Connect your two monitors to the **HDMI OUT A** and **HDMI OUT B** ports on the KVM switch using HDMI cables.
3. **Connect Computer 1:**
  - Connect the first HDMI output of PC1 to **HDMI IN A (PC1)** on the KVM switch.
  - Connect the second HDMI output of PC1 to **HDMI IN B (PC1)** on the KVM switch.
  - Connect a USB cable from a USB-A port on PC1 to **USB IN 1 (PC1)** on the KVM switch.
4. **Connect Computer 2:**
  - Connect the first HDMI output of PC2 to **HDMI IN A (PC2)** on the KVM switch.
  - Connect the second HDMI output of PC2 to **HDMI IN B (PC2)** on the KVM switch.
  - Connect a USB cable from a USB-A port on PC2 to **USB IN 2 (PC2)** on the KVM switch.
5. **Connect USB Peripherals:** Connect your keyboard, mouse, and other USB 2.0 devices to the **USB OUT 1**, **USB OUT 2**, and **USB OUT 3** ports on the KVM switch.
6. **Connect Desktop Controller:** Plug the wired desktop controller into its dedicated port on the KVM switch.
7. **Connect Power:** Plug the provided power adapter into the **DC 5V** port on the KVM switch, then connect it to a power outlet.
8. **Power On:** Power on your monitors and then your computers. The KVM switch should automatically detect the active input.

**Important Note for 4K@60Hz Resolution:**

To achieve the maximum resolution of 4096\*2160@60Hz, ensure that both your source devices (computers) and all HDMI cables used support 4K@60Hz. Using lower specification cables or devices may result in lower resolutions.



# DUAL MONITOR HDMI 4K@60HZ KVM SWITCH



**Note:**  
*The two monitors can not output the signal source of PC1 and PC2 at the same Time.*

A visual representation of the KVM switch integrated into a workstation, connecting two computers to two monitors and a shared keyboard and mouse.

## 5. OPERATING INSTRUCTIONS

### Switching Between Computers:

You can switch between the two connected computers using one of the following methods:

- **Panel Button:** Press the **KEY 1** or **KEY 2** button on the front panel of the KVM switch to switch to the corresponding computer. The LED indicator will illuminate to show the active PC.
- **Wired Desktop Controller:** Press the button on the wired desktop controller to switch between PC1 and PC2.

### Display Modes:

The KVM switch supports three primary display modes:

- **Extended Mode:** This mode allows you to display different content on each of the two connected monitors, extending your desktop across both screens.

- **Duplicate Mode (Mirror Mode):** In this mode, both monitors will display identical content, mirroring the same desktop.
- **Splicing Mode:** This mode combines the two monitors to act as one large virtual display, allowing a single image or application to span across both screens. **Note:** Splicing Mode requires specific graphics card functions, such as NVIDIA's 'Surround Function' or AMD's 'Eyefinity Function', to be enabled on your computer.

## THREE DISPLAY MODE



**Mode 1: Extended Mode**



**Mode 2: Mirror Mode**



**Mode 3: Splicing Mode**



### Note:

*Mode 3 requires NVIDIA graphics card(Surround function) Or AMD graphics card(Eyefinity function)*

This image demonstrates the three supported display modes: Extended Mode for separate content on each monitor, Mirror Mode for identical content, and Splicing Mode for combining displays into one large virtual screen (requires specific graphics card functions).

## 6. COMPATIBILITY

The TCNEWCL KVM Switch is designed for broad compatibility with various operating systems and USB devices.

### Supported Operating Systems:

- Windows (Windows 10, 8, 7, Vista, XP)
- Mac OS
- Linux



- Unix

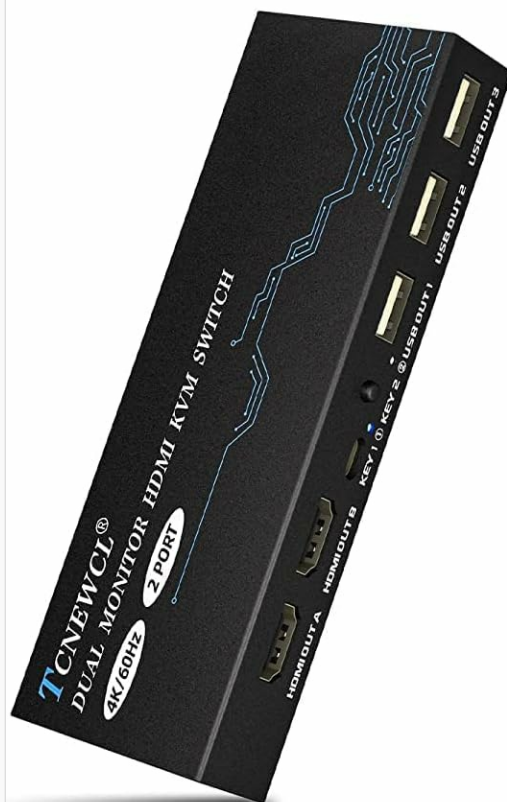
## Supported USB Devices:

The KVM switch supports standard USB 2.0 peripherals, including but not limited to:

- Mouse
- Keyboard
- Printer
- Scanner
- USB Flash Drives (U Disk)
- Card Readers
- USB Fans
- USB Lights

## UNIVERSAL COMPATIBILITY

*Support Windows, Mac OS, Linux and Dos*



Mouse



Keyboard



Printer



U Disk



USB Fan



USB Light



Card Reader



Hard Disk



Heat Sink

This image highlights the broad compatibility of the KVM switch with operating systems like Windows, Mac OS, Linux, and Vista, and

## 7. TROUBLESHOOTING

If you encounter issues with your KVM switch, please refer to the following common troubleshooting steps:

- **No Display/Flickering Screen:**
  - Ensure all HDMI cables are securely connected to both the KVM switch and your monitors/computers.
  - Verify that the HDMI cables support the desired resolution (e.g., 4K@60Hz).
  - Try connecting monitors directly to the computer to rule out monitor or cable issues.
  - Restart the KVM switch and your computers.
- **USB Devices Not Working:**
  - Ensure the USB cables from your computers are connected to the **USB IN** ports on the KVM switch.
  - Verify that your USB peripherals are connected to the **USB OUT** ports.
  - Try connecting USB devices directly to the computer to confirm they are functional.
  - Ensure the KVM switch is receiving adequate power from the power adapter.
- **Switching Issues:**
  - Confirm that the desktop controller is properly connected.
  - Ensure the KVM switch is powered on.
- **Resolution/Refresh Rate Problems:**
  - Check your computer's display settings to ensure the correct resolution and refresh rate are selected.
  - As mentioned, all components (computers, KVM, cables, monitors) must support 4K@60Hz for that resolution to be achieved.

If these steps do not resolve your issue, please refer to the Support section for further assistance.

## 8. SPECIFICATIONS

Feature	Specification
Model Number	922-KST
Product Dimensions	7.09 x 1.97 x 1.18 inches
Weight	2.05 Pounds
Max Resolution	4096*2160@60Hz (4K@60Hz)
Backward Compatibility	4K@30Hz, 1080P@60Hz, 1080P@30Hz
HDMI Version	HDMI 2.0
HDCP Support	HDCP 2.2
Color Space Support	YUV 4:4:4
HDR Support	Yes
Dolby Vision Support	Yes



EDID Support	Yes
USB Ports	3x USB 2.0 Hub Ports
Switching Method	Panel Button, Wired Controller
Power Supply	DC 5V
Operation Mode	ON-ON
Manufacturer	TCNEWCL

## 9. 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 abrasive materials.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block ventilation openings.
- **Power:** Always use the provided power adapter. Disconnect power during electrical storms or when not in use for extended periods.
- **Environment:** Keep the device away from extreme temperatures, humidity, and direct sunlight.



## 10. WARRANTY AND SUPPORT



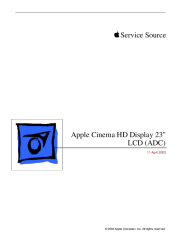
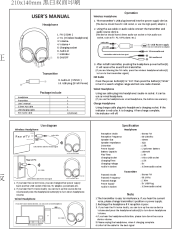
If you encounter any problems when using the TCNEWCL KVM Switch, or require technical assistance, please contact our professional technical support team. Refer to your product packaging or the TCNEWCL official website for contact information.



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### Related Documents - 922-KST

	<p><a href="#">SportsPlay MEGA Series Model Jamie Installation Guide</a></p> <p>Comprehensive installation guide for the SportsPlay MEGA Series Model Jamie playground fort, detailing steps, safety precautions, and component assembly for safe and proper setup.</p>
	<p><a href="#">SportsPlay Model Richard MEGA Series Installation Guide</a></p> <p>Detailed installation guide for the SportsPlay Model Richard MEGA Series playground equipment, covering site preparation, safety surfacing, step-by-step assembly, and maintenance for safe and proper setup.</p>

	<p><a href="#">Timex W-99 Watch User Manual and Instructions</a></p> <p>This user manual provides comprehensive operating instructions for the Timex W-99 watch. It details how to set the time, calendar, and alarm, operate the chronograph, utilize the INDIGLO® night-light and NIGHT-MODE® features, and covers water resistance, bracelet adjustment, and battery replacement. Information on the Timex International Warranty is also included.</p>
	<p><a href="#">KST Series Dual-Channel AC Output Solid State Relays - i-Autoc</a></p> <p>Detailed technical specifications, product selection guide, and application information for the i-Autoc KST Series dual-channel AC output solid state relays, featuring DIN rail mounting and various load voltage/current options.</p>
	<p><a href="#">Apple Cinema HD Display 23" LCD (ADC) Service Manual and Troubleshooting Guide</a></p> <p>Comprehensive service manual for the Apple Cinema HD Display 23" LCD (ADC), including detailed take-apart instructions, troubleshooting steps, parts list, and diagrams. Learn how to service and repair your Apple display.</p>
	<p><a href="#">KST-900ST Wireless Headphones User Manual</a></p> <p>Comprehensive user manual for the KST-900ST wireless headphones, covering setup, operation, specifications, and FCC compliance. Learn how to connect, use FM radio, wired mode, and charge your device.</p>