TCNEWCL 922-KST

TCNEWCL KVM Switch 922-KST: Dual Monitor 2 Computer User Manual

Model: 922-KST

1. INTRODUCTION

The TCNEWCL KVM Switch 922-KST is designed to enhance your workspace efficiency by allowing two computers to share two monitors and multiple USB devices, such as a keyboard, mouse, and printer. This device supports high-resolution video output up to 4K@60Hz and offers flexible display modes including Extended, Duplicate, and Splice. With its plug-and-play functionality and versatile compatibility, the KVM switch is ideal for various environments, including offices, conference rooms, and multimedia teaching setups.
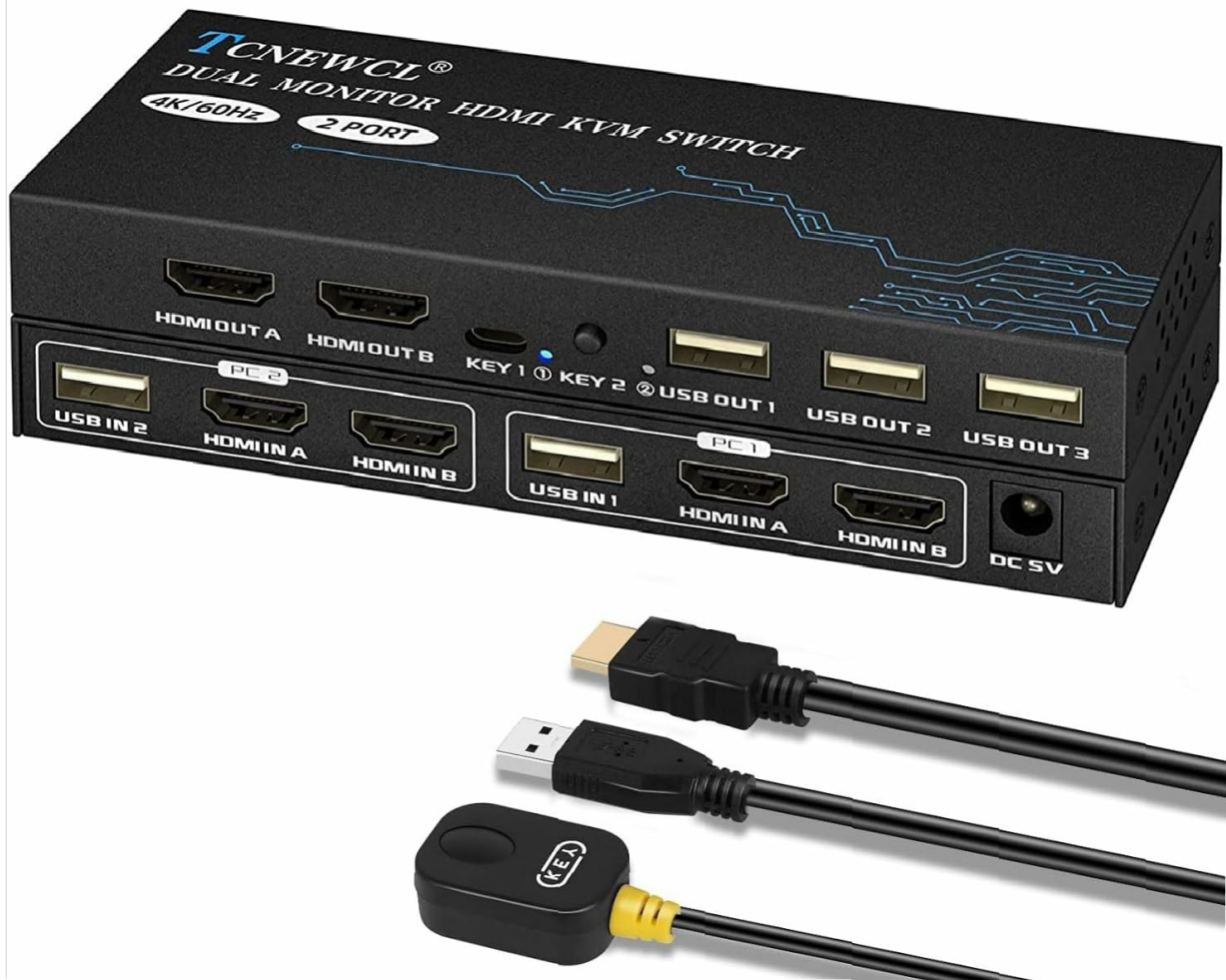
Figure 1: Front view of the TCNEWCL KVM Switch 922-KST, highlighting its various HDMI and USB ports for connecting computers and peripherals.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1x TCNEWCL Dual Monitor HDMI KVM Switch (Model: 922-KST)
- 4x HDMI Cables (1.5m)
- 2x USB Cables
- 1x Desktop Controller
- 1x Power Adapter
- 1x User Manual

Figure 2: The complete package contents are shown, featuring the KVM switch unit, four HDMI cables, two USB cables, a desktop controller, a power adapter, and the user manual.

Video 1: An unboxing video showcasing all items included in the TCNEWCL KVM Switch package, providing a clear view of the switch, cables, power adapter, and desktop controller.

3. PRODUCT FEATURES

- **Three Display Modes:** Supports Extended, Duplicate, and Splice display modes for versatile screen management.

- **Ultra HD 4K Vision:** Achieves a maximum resolution of 4096*2160@60Hz, backward compatible with lower resolutions. Ensure both source and HDMI cables support 4K@60Hz for optimal performance.

- **Fast Switching:** Seamlessly switch between two computers using either the panel button on the device or the included wired desktop controller, with a switching time of 1-2 seconds.

- **Wide Compatibility:** Plug-and-play functionality with no software drivers required. Compatible with Windows, Vista, XP, Mac OS, Linux, and Unix operating systems. Supports YUV 4:4:4, HDR, Dolby Vision, HDCP 2.2, EDID, and HDMI 2.0.

- **USB 3.0 Hub:** Features three USB 3.0 ports for connecting and sharing USB devices such as keyboards, mice, printers, webcams, and storage devices between the two connected computers.

4. Setup Instructions

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

1. **Power Connection:** Connect the provided power adapter to the DC 5V port on the KVM switch and plug it into a power outlet.

2. **Monitor Connection:** Connect your two monitors to the HDMI OUT A and HDMI OUT B ports on the KVM switch using HDMI cables.

3. **Computer 1 Connection:**

   - Connect the HDMI IN A and HDMI IN B ports of the KVM switch to the HDMI output ports of your first computer (PC1).
   - Connect one of the provided USB cables from the USB IN 1 port on the KVM switch to a USB port on PC1. This enables USB device sharing.

4. **Computer 2 Connection:**

   - Connect the HDMI IN A and HDMI IN B ports of the KVM switch to the HDMI output ports of your second computer (PC2).
   - Connect the second provided USB cable from the USB IN 2 port on the KVM switch to a USB port on PC2.

5. **Peripheral Connection:** Connect your keyboard, mouse, printer, or other USB devices to the USB 3.0 ports on the front of the KVM switch.

6. **Wired Controller (Optional):** Plug the wired desktop controller into the designated port on the KVM switch for convenient remote switching.

Note: For optimal performance and to achieve the highest resolution (4K@60Hz), ensure that all connected HDMI cables and your source devices support 4K@60Hz.
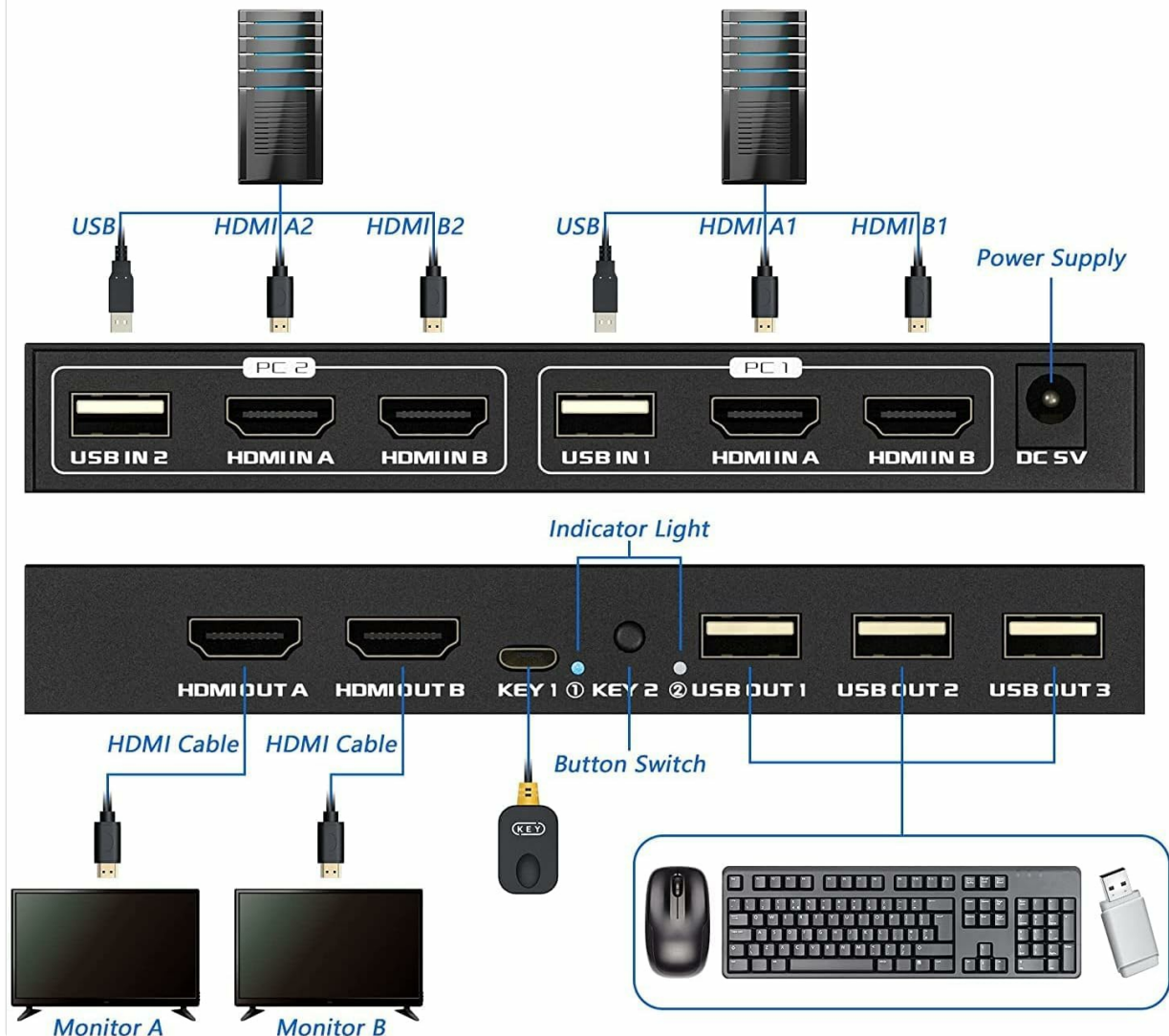
Figure 3: A close-up diagram of the KVM switch's ports, clearly labeling inputs for PC1 and PC2 (HDMI IN A, HDMI IN B, USB IN), outputs for monitors (HDMI OUT A, HDMI OUT B), and additional USB 2.0/3.0 ports for peripherals, along with the power input.

Video 2: This video demonstrates the step-by-step connection process for the KVM switch, showing how to link computers, monitors, and peripherals, and how to switch between connected systems.

5. OPERATING INSTRUCTIONS

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

- **Using the Panel Button:** Press the 'Switch' button located on the front panel of the KVM switch to toggle between PC1 and PC2. The indicator lights (Control 1, Control 2) will illuminate to show which computer is currently active.

- **Using the Wired Desktop Controller:** Press the button on the wired desktop controller to switch between PC1 and PC2. This offers flexibility in placing the KVM switch out of sight while maintaining easy access to switching functionality.

Figure 4: A visual guide showing how to connect two computers (PC1 and PC2) to the KVM switch, which then outputs to two monitors (Monitor A and Monitor B), along with shared USB devices.

6. DISPLAY MODES

The KVM switch supports the following display configurations for your dual monitors:

- **Extended Mode:** Outputs two different images on the two connected monitors, allowing for an expanded desktop workspace.

- **Duplicate Mode:** Outputs the same image on both connected monitors, mirroring your display.

- **Splice Mode:** Different parts of a single image can be stitched together across the two monitors to create a larger, continuous display. This mode typically requires specific graphics card features such as NVIDIA's 'Surround Function' or AMD's 'Eyefinity Function'.

Support Extend/ Mirror Modes

Figure 5: This image illustrates the Extended and Mirror display modes supported by the KVM switch. Extended mode shows different content on each monitor, while Mirror mode duplicates content across both.

7. SPECIFICATIONS

Feature	Specification
Model Number	922-KST
Product Dimensions	18 x 5 x 3 cm
Item Weight	939 g
Manufacturer	TCNEWCL
Max Resolution	4096*2160@60Hz
HDMI Version	HDMI 2.0
USB Ports	3x USB 3.0
Compatibility	Windows/Vista/XP/Mac OS/Linux/Unix

Supported Technologies	YUV 4:4:4, HDR, Dolby Vision, HDCP 2.2, EDID
Switching Method	Panel Button, Wired Controller
Material	Metal
Operating Voltage	5 Volts
Current Rating	1 Amps

8. MAINTENANCE

To ensure the longevity and optimal performance of your KVM switch, consider the following maintenance tips:

- Keep the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid exposing the switch to moisture or liquids.
- Clean the exterior of the device with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure all cables are securely connected to prevent signal loss or intermittent issues.

9. TROUBLESHOOTING

If you encounter any issues with your KVM switch, please try the following basic troubleshooting steps:

- **No Display/Intermittent Display:**

  - Ensure all HDMI and USB cables are securely connected to both the KVM switch and your computers/monitors.
  - Verify that the power adapter is correctly connected and the KVM switch is powered on.
  - Check if your monitors and computers are set to the correct input sources.
  - Try using different HDMI cables, especially if experiencing 4K@60Hz issues, as cable quality can impact performance.

- **USB Devices Not Responding:**

  - Ensure the USB cables connecting the KVM switch to your computers are properly plugged in.
  - Try connecting the USB device to a different USB 3.0 port on the KVM switch.
  - Test the USB device by connecting it directly to your computer to rule out device malfunction.

- **Switching Delays:**

  - While the switch is designed for fast transitions, some monitors may take a few seconds to re-establish a signal. This is normal behavior for certain display technologies.

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

10. WARRANTY AND SUPPORT

The TCNEWCL KVM Switch 922-KST comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included in your product packaging or contact your

retailer.

If you encounter any problems during the use of this product or require technical assistance, please contact our professional technical support team. You can typically find contact information on the product packaging, the official TCNEWCL website, or through your purchase platform.