TCNEWCL DPKS302

TCNEWCL DisplayPort KVM Switch User Manual

Model: DPKS302
Brand: TCNEWCL

1. Introduction

The TCNEWCL 2-Port DisplayPort KVM Switch is designed to allow two DisplayPort-enabled computers to share one DisplayPort monitor and multiple USB 2.0 devices, such as keyboards, mice, and printers. This device helps optimize desktop space and reduce equipment costs by centralizing control of multiple computers through a single set of peripherals.

It supports high-resolution video output up to 4K@60Hz (3840x2160) and is backward compatible with lower resolutions. The KVM switch offers two convenient switching modes: a button on the unit itself and a wired desktop controller for remote switching.

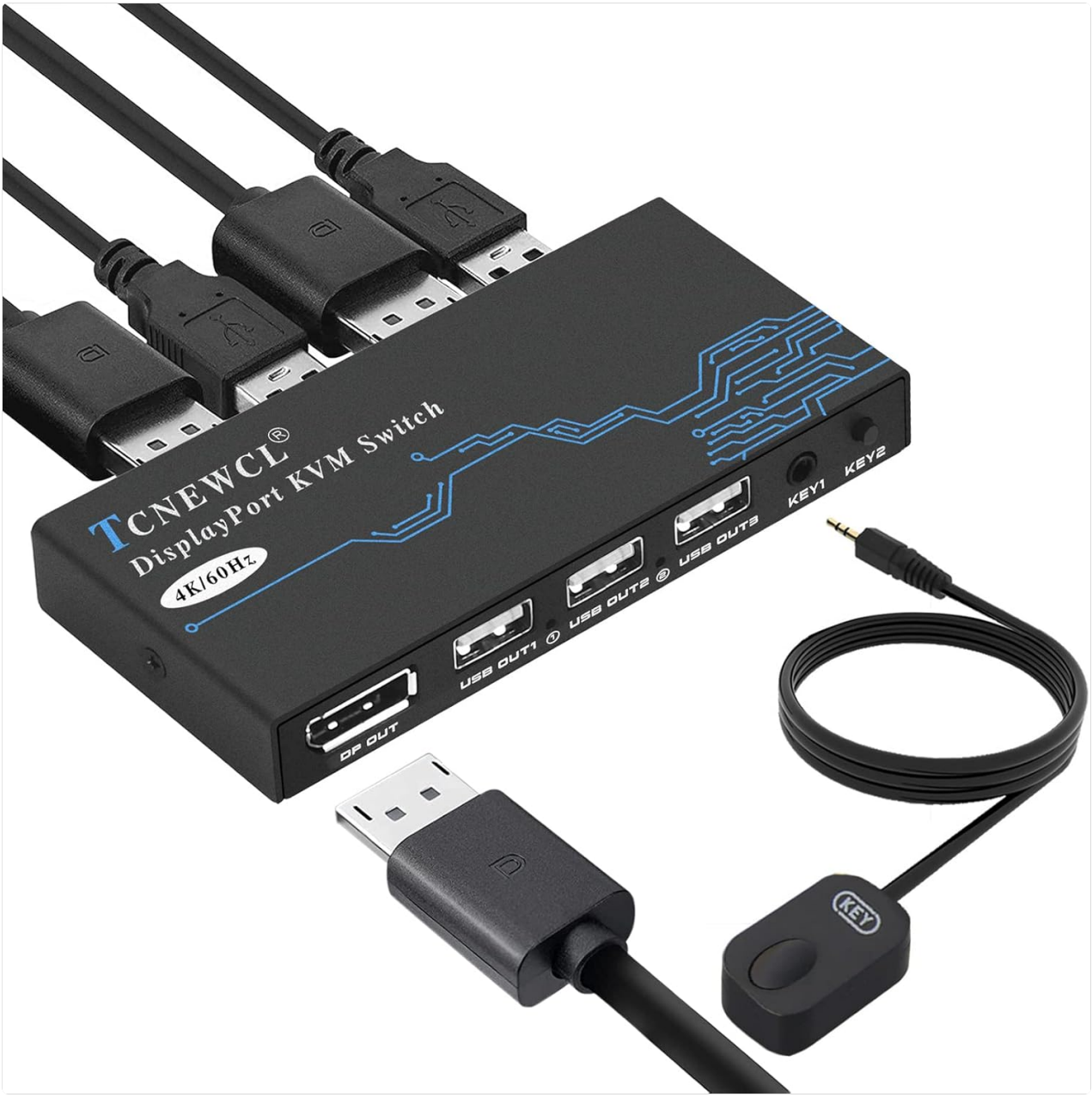

Image: The TCNEWCL DisplayPort KVM Switch, showcasing its compact design, multiple USB ports, DisplayPort connections, and the included remote switch button and cables.

2. Package Contents

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

- 1 x TCNEWCL DisplayPort KVM Switch
- 2 x DisplayPort Cables
- 2 x USB Cables
- 1 x Wired Desktop Controller
- 1 x User Manual

Image: A visual representation of all items included in the product package: the KVM switch unit, two DisplayPort cables, two USB cables, a wired remote switch, and the user manual.

3. Product Overview

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

DP IN1 / **DP IN2:** DisplayPort inputs for connecting to Computer 1 and Computer 2.

USB IN1 / **USB IN2:** USB inputs for connecting to Computer 1 and Computer 2 (for keyboard, mouse, and other USB devices).

DP OUT: DisplayPort output for connecting to your monitor.

USB OUT1 / **USB OUT2** / **USB OUT3:** USB 2.0 outputs for connecting shared USB devices (keyboard, mouse, printer, USB drive, etc.).

KEY1 / **KEY2:** Buttons on the KVM switch for manual switching between Computer 1 and Computer 2.

Remote Control Port: Port for connecting the wired desktop controller.

PC1 Indicator LED / **PC2 Indicator LED:** LEDs that illuminate to indicate which computer is currently selected.

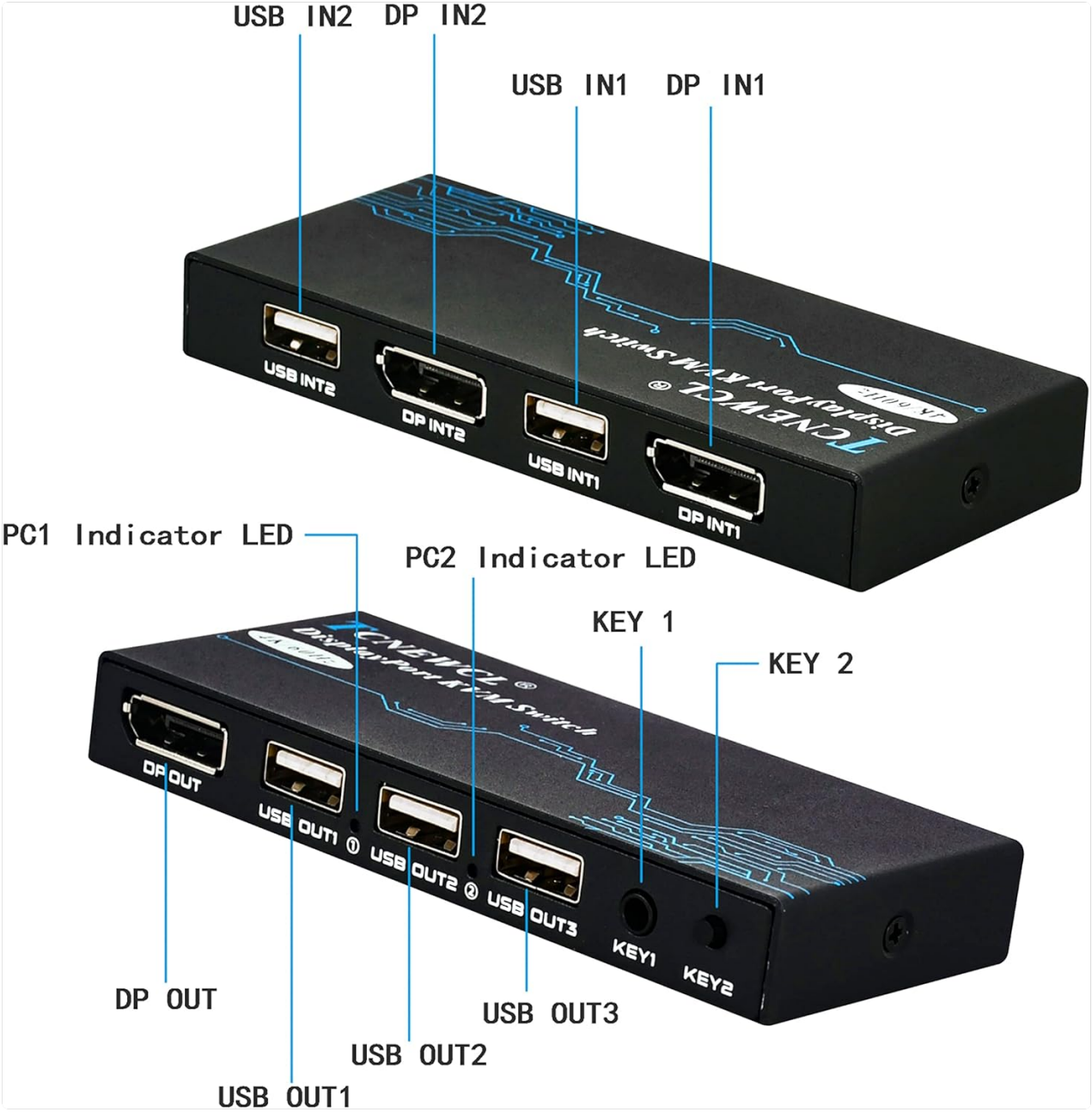

Image: Top and bottom views of the KVM switch unit, clearly labeling all input and output ports (DP IN, USB IN, DP OUT, USB OUT) and the physical switching buttons (KEY1, KEY2) and indicator LEDs.

Image: A close-up of the KVM switch showing the green LED indicators for USB OUT ports, confirming device connection and activity.

4. Setup & Installation

Follow these steps to connect your KVM switch:

1. **Connect Monitor:** Connect your DisplayPort monitor to the **DP OUT** port on the KVM switch.
2. **Connect Computers (Video):** Use the provided DisplayPort cables to connect the DisplayPort output of Computer 1 to **DP IN1** on the KVM switch, and the DisplayPort output of Computer 2 to **DP IN2**.
3. **Connect Computers (USB):** Use the provided USB cables to connect a USB port from Computer 1 to **USB IN1** on the KVM switch, and a USB port from Computer 2 to **USB IN2**. These connections enable the sharing of USB devices.
4. **Connect USB Devices:** Connect your keyboard, mouse, printer, or other USB 2.0 devices to the **USB OUT1**, **USB OUT2**, and **USB OUT3** ports on the KVM switch.
5. **Connect Remote Controller (Optional):** Plug the wired desktop controller into the dedicated remote control port on the KVM switch.
6. **Power On:** Ensure all computers and the monitor are powered on. The KVM switch is typically powered via the USB connections from the computers and does not require an external power adapter.

No driver installation is required for the KVM switch to function. It operates on a plug-and-play basis with Windows, Mac OS, Linux, and DOS systems.

Image: A clear diagram illustrating how to connect two PCs (PC1, PC2) to the KVM switch using DP and USB cables, and how the KVM switch connects to a single monitor and shared USB peripherals like keyboard, mouse, U disk, and printer.

5. Operation

The TCNEWCL KVM switch offers two methods for switching between connected computers:

- **Manual Button Switching:** Press the **KEY1** or **KEY2** button directly on the KVM switch unit to switch to Computer 1 or Computer 2, respectively. The corresponding LED indicator will light up.
- **Wired Desktop Controller:** Use the external wired desktop controller. Press the button on the controller to toggle between Computer 1 and Computer 2. This allows for convenient switching without reaching the KVM unit itself.

Note: This KVM switch model does not support keyboard hotkey switching.

Image: An illustration showing the two available switching modes: direct button press on the KVM unit (Machine key switch) and using the wired desktop controller (Desktop controller switch).

6. Resolution Support

The DisplayPort KVM switch supports a wide range of resolutions, ensuring high-quality video output:

- **Maximum Resolution:** Up to 4K@60Hz (3840x2160).
- **Backward Compatibility:** Fully compatible with lower resolutions including 3840x2160@30Hz, 1080P, 1080P 3D, 1080I, 720P, 576P, 576I, 480P, and 480I.

You can adjust your device's resolution settings as needed to match your monitor's capabilities.

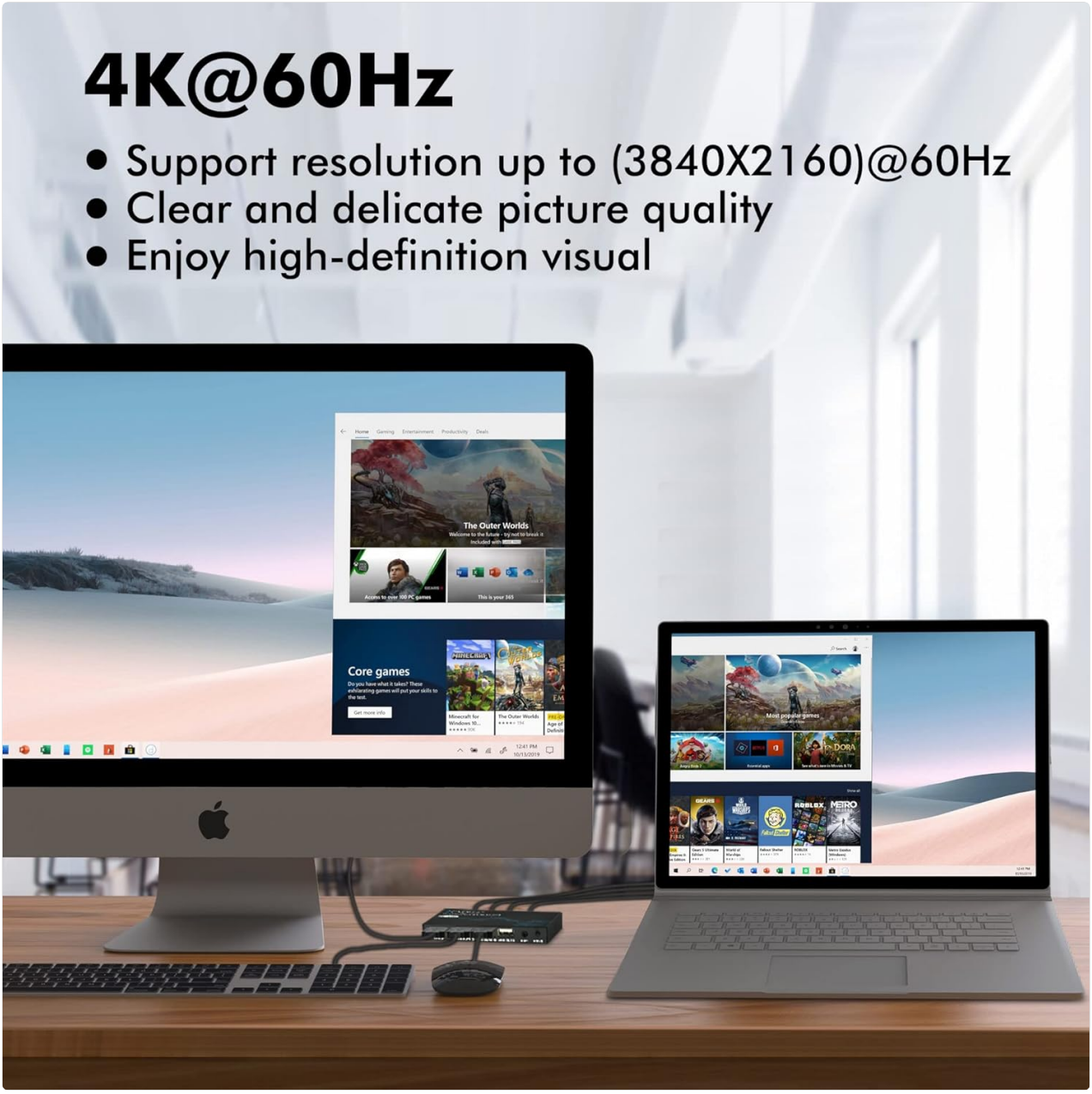

Image: A display demonstrating the KVM switch's support for 4K@60Hz resolution, highlighting clear and delicate picture quality for a high-definition visual experience.

7. Compatibility

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

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

It is ideal for a variety of environments including business, office, conference rooms, game rooms, and home theaters.

8. Troubleshooting

If you encounter issues with your KVM switch, please refer to the following common problems and solutions:

- **No Display / Monitor Blinking:**
  - Ensure all DisplayPort cables are securely connected to both the KVM switch and your computers/monitor.
  - Verify that the DisplayPort cables used are of high quality and support 4K@60Hz if you are using that resolution.
  - Try switching back and forth between the two computers using the KVM switch button or remote.
  - Power cycle the monitor and the KVM switch (by disconnecting and reconnecting USB power from computers).
  - Check your computer's display settings to ensure the correct resolution and refresh rate are selected.
- **USB Devices Not Working / Disconnecting:**
  - Ensure the USB cables from your computers are securely connected to the**USB IN** ports on the KVM switch.
  - If using high-power USB devices (e.g., RGB keyboards/mice, external hard drives), they might draw too much power. Try connecting them directly to the computer or using a powered USB hub if available.
  - Some USB hubs may not work cleanly with the KVM switch. Connect devices directly to the KVM's USB OUT ports if possible.
  - Try connecting the USB devices to different USB OUT ports on the KVM switch.
- **Switching Delays:**
  - A brief delay (typically 3-4 seconds) during switching is normal as the KVM re-establishes connections.
  - If delays are excessive, ensure all cables are properly seated.
- **KVM Defaults to First Device:**
  - The KVM switch may default to the first powered-on device. This is expected behavior. You will need to manually switch to the desired computer if it's not the default.

If problems persist after trying these steps, please contact TCNEWCL customer support for further assistance.

9. Specifications

Model Number	DPKS302
Operation Mode	ON-ON
Current Rating	1 Amps
Operating Voltage	5 Volts

Connector Type	Plug In
Connectivity Protocol	USB
Control Method	Remote (Wired Desktop Controller)
Item Dimensions (L x W x H)	4.37 x 1.85 x 0.63 inches
Item Weight	1.15 pounds
Material	Metal
International Protection Rating	IP30
Supported Resolution	Up to 4K@60Hz (3840x2160)

Image: A diagram illustrating the compact dimensions of the KVM switch: 4.37 inches in length, 1.85 inches in width, and 0.63 inches in height.

10. Care & Maintenance

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

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Avoid using liquid cleaners, aerosols, or abrasive solvents, as they may damage the surface or internal components.
- **Environment:** Operate the KVM switch in a well-ventilated area, away from direct sunlight, heat sources, and excessive moisture.
- **Handling:** Handle the device with care. Avoid dropping it or subjecting it to strong impacts.
- **Cable Management:** Ensure cables are not excessively bent or tangled, which can lead to damage over time.
- **Storage:** When not in use for extended periods, store the device in a cool, dry place.

11. Warranty & Support

TCNEWCL products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please contact TCNEWCL customer service. Refer to the product packaging or the official TCNEWCL website for the most current contact information.

Please retain your purchase receipt as proof of purchase for warranty claims.