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> TJXELE Displayport KVM Switch (Model TJUS-01SW223) User Manual

TJXELE TJUS-01SW223

TJXELE Displayport KVM Switch User Manual

Model: TJUS-01SW223

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TJXELE Displayport KVM Switch. This device allows two computers to share two DisplayPort monitors and four USB 3.0 devices, supporting resolutions up to 8K@60Hz or 4K@120Hz. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage.

PRODUCT FEATURES

- **Dual Monitor, Dual PC Control:** Connects two computers to two DisplayPort monitors and four USB 3.0 devices.
- **High Resolution Support:** Supports resolutions up to 8K@60Hz and 4K@120Hz, backward compatible with 1080p, 3D, and 720p. Ensure all connected devices and cables support the desired resolution and refresh rate.
- **USB 3.0 Connectivity:** Features four USB 3.0 ports with a transmission speed of up to 5Gbps for connecting peripherals like mice, keyboards, printers, and USB drives. Compatible with USB 2.0.
- **Extended & Copy Display Modes:** Supports both extended and copy display modes.
 - *Extended Mode:* Allows different content to be displayed on each monitor. Requires each connected computer to have two DisplayPort outputs.
 - *Copy Mode:* Displays identical content on both monitors. Requires each connected computer to have two DisplayPort outputs.
- **Multiple Switching Methods:** Switch between connected computers using the panel button on the KVM switch or the included external wired controller. Keyboard hotkeys are not supported.
- **External Power Supply:** Includes a 12V power adapter to ensure stable operation for all connected USB devices, especially those requiring more power like hard drives.
- **Wide Compatibility:** Driver-free and plug-and-play functionality with Windows, macOS, Linux, and Chrome OS.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x TJCXELE Displayport KVM Switch (Model TJUS-01SW223)
- 2 x USB 3.0 Cables (3.3ft / 1m)
- 1 x Desktop Control (Wired Remote, 3.3ft / 1m)
- 1 x DC 12V Power Adapter
- 1 x User Manual (This document)

Package List



Image: Package List. This image displays all components included with the TJCXELE Displayport KVM Switch: the KVM unit, two USB 3.0 cables, a wired desktop control, a 12V power adapter, and the user manual.

SETUP AND CONNECTION

Follow these steps to connect your computers and monitors to the KVM switch:

1. **Power Off Devices:** Ensure all computers and monitors are powered off before making any connections.
2. **Connect Monitors:** Connect your two DisplayPort monitors to the "DP1 OUT" and "DP2 OUT" ports on the KVM

switch using DisplayPort cables (not included).

3. Connect Computers (PC1):

- Connect the first computer's DisplayPort outputs to the "DP1 IN" and "DP2 IN" ports under the "PC1 IN" section of the KVM switch.
- Connect one of the included USB 3.0 cables from a USB 3.0 port on your first computer to the "USB" port under the "PC1 IN" section of the KVM switch.

4. Connect Computers (PC2):

- Connect the second computer's DisplayPort outputs to the "DP1 IN" and "DP2 IN" ports under the "PC2 IN" section of the KVM switch.
- Connect the second included USB 3.0 cable from a USB 3.0 port on your second computer to the "USB" port under the "PC2 IN" section of the KVM switch.

5. Connect USB Peripherals: Connect your USB keyboard, mouse, printer, USB disk, or other USB 3.0 devices to the four "USB 3.0" ports on the front of the KVM switch.

6. Connect External Controller: Plug the external wired desktop controller into the "Control" port on the front of the KVM switch.

7. Connect Power Adapter: Plug the DC 12V power adapter into the "DC 12V" port on the KVM switch and then into a power outlet.

8. Power On: Power on the KVM switch using the ON/OFF button, then power on your monitors and computers.

Connection Diagram

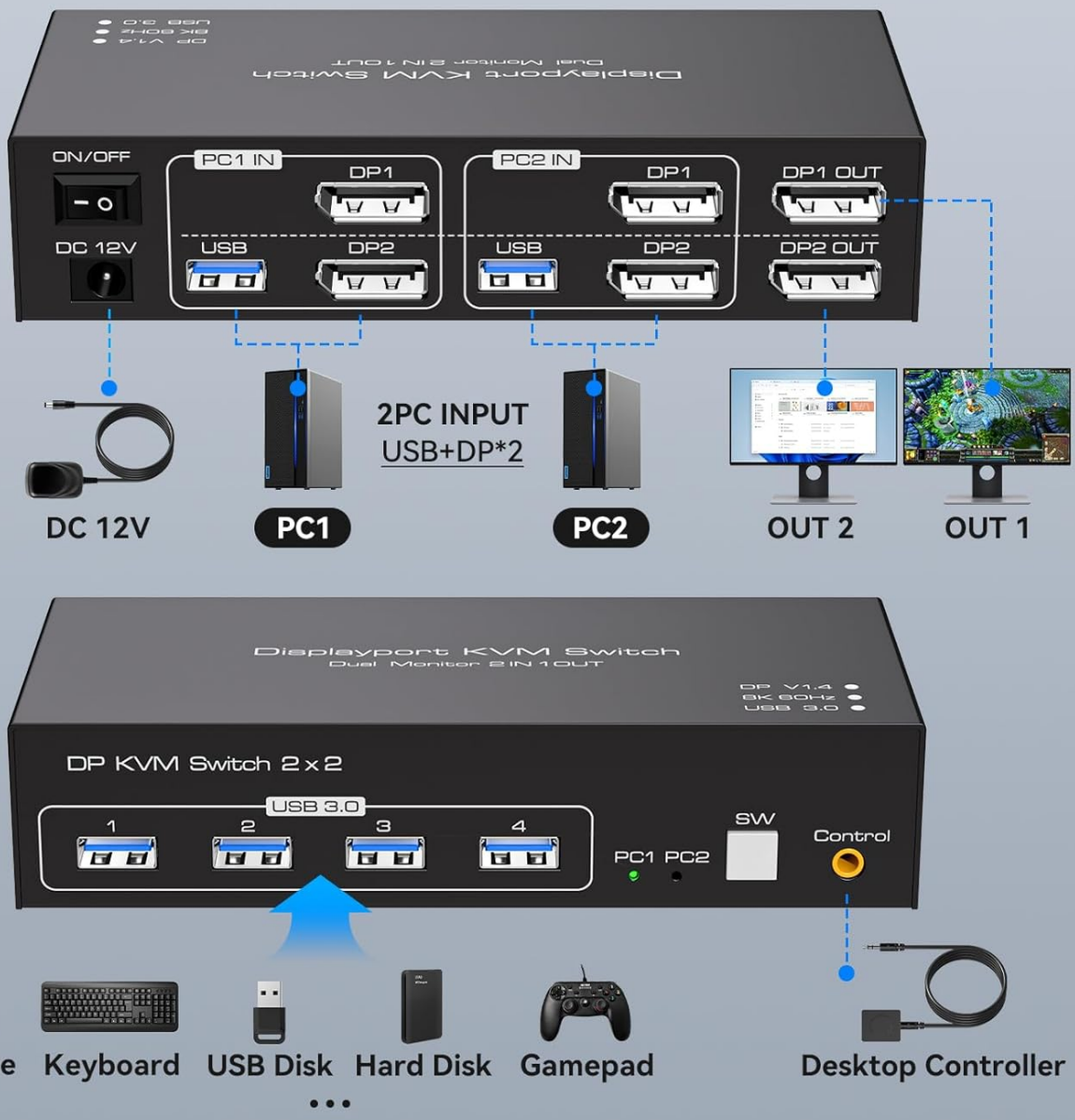


Image: Connection Diagram. This diagram illustrates the correct wiring for connecting two computers (PC1, PC2) to the KVM switch, which then connects to two DisplayPort monitors (OUT1, OUT2) and shared USB devices (mouse, keyboard, USB disk, hard disk, gamepad).

8K60Hz Ultra High Definition

2PCs Share 4 USB Devices and 2 Monitor



Image: 8K60Hz Ultra High Definition Setup. This image shows a typical setup with the KVM switch connecting two computers to two monitors, displaying high-resolution content.

OPERATING INSTRUCTIONS

Switching Between Computers

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

1. **Panel Button Switch:** Press the "SW" button on the front panel of the KVM switch to toggle between PC1 and PC2. The LED indicators (PC1, PC2) will illuminate to show which computer is currently active.
2. **External Wired Controller:** Press the button on the external wired controller to switch between PC1 and PC2. This allows for convenient switching if the KVM switch is not easily accessible.

Note: Keyboard hotkey switching is not supported by this device.

Two Switching Modes



Image: Two Switching Modes. This image illustrates the two methods for switching between computers: directly pressing the "SW" button on the KVM unit or using the external wired desktop controller.

Display Modes (Extended & Copy)

The KVM switch supports both extended and copy display modes, provided your computer's graphics card supports multi-display output and each connected computer has two DisplayPort outputs.

- **Extended Mode:** Allows you to extend your desktop across two monitors, displaying different content on each screen. This is ideal for multitasking and increasing workspace.
- **Copy Mode:** Duplicates your desktop across both monitors, showing the same content on each screen. This is useful for presentations or sharing your view.

To configure display modes, adjust the display settings within your operating system (e.g., Windows Display Settings, macOS System Preferences).

SPECIFICATIONS

Feature	Specification
Model Number	TJUS-01SW223
Brand	TJCXELE
Connectivity Protocol	DisplayPort 1.4
Max Resolution & Refresh Rate	8K@60Hz, 4K@120Hz
Backward Compatibility	1080p, 3D, 720p
USB Ports	4 x USB 3.0 (5Gbps transmission)
Control Method	Panel Button, Wired Remote Control
Operating Voltage	12 Volts
Current Rating	1 Amps
Operation Mode	ON-OFF
Color	White
Item Weight	558 g
Package Dimensions	20.09 x 14.71 x 5.69 cm
Material	Copper (Contact Material)

USB3.0 Transfer Files in Seconds

4 USB3.0 Port Super stable transmission

USB 3.0

5Gbps

10x

USB 2.0

480Mbps

Faster than USB 2.0



Image: USB 3.0 Transfer Speeds. This graphic illustrates the superior data transfer rate of USB 3.0 (5Gbps) compared to USB 2.0 (480Mbps), indicating it is approximately 10 times faster.

Wide Compatibility

No drivers or installation required. Plug and Play.



Image: Wide Compatibility. This image highlights the KVM switch's compatibility with various operating systems, including Windows, macOS, Linux, and Chrome OS, emphasizing its plug-and-play nature.

TROUBLESHOOTING

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

- **No Display on Monitors:**

- Ensure the KVM switch is powered on and the 12V power adapter is securely connected.
- Verify that all DisplayPort cables are securely connected between the computers, KVM switch, and monitors.
- Check that your monitors are set to the correct DisplayPort input.
- Confirm that your computers' graphics cards are properly configured and outputting a signal.
- Try connecting one computer and one monitor directly to rule out cable or monitor issues.

- **USB Devices Not Working:**

- Ensure the USB 3.0 cables are connected from your computers to the "USB" input ports on the KVM switch.

- Verify that the USB peripherals are securely plugged into the KVM switch's USB 3.0 ports.
 - Some high-power USB devices (e.g., certain external hard drives) may require additional power. Ensure the KVM's 12V power adapter is connected.
 - Try connecting the USB device directly to the computer to confirm it functions independently.
- **Resolution or Refresh Rate Issues:**
 - Ensure your computers, monitors, and DisplayPort cables all support the desired resolution and refresh rate (e.g., 8K@60Hz or 4K@120Hz).
 - Update your graphics card drivers on both computers.
 - Adjust the display settings in your operating system to a lower resolution or refresh rate to see if the issue persists.
 - **Switching Problems:**
 - Ensure the external wired controller is securely plugged into the "Control" port.
 - Confirm that the KVM switch is receiving power.
 - Remember that keyboard hotkeys are not supported; use the panel button or wired controller.

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

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 KVM switch. Avoid using liquid cleaners or abrasive materials, which can damage the surface.
- **Ventilation:** Ensure the KVM switch is placed in a well-ventilated area to prevent overheating. Do not block the ventilation holes.
- **Cable Management:** Organize cables neatly to prevent strain on ports and accidental disconnections.
- **Power:** Always use the provided 12V power adapter. Disconnect power during electrical storms or when not in use for extended periods.
- **Environment:** Keep the device away from extreme temperatures, humidity, dust, and direct sunlight.

WARRANTY AND SUPPORT

TJCXELE products are designed for reliability and performance. For warranty information or technical support, please refer to the documentation included with your purchase or visit the official TJCXELE website. Please have your model number (TJUS-01SW223) and purchase details ready when contacting support.