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> [UGREEN 8K DisplayPort KVM Switch DP 1.4 User Manual](#)

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UGREEN 8K DisplayPort KVM Switch DP 1.4 User Manual

Model: 8K DisplayPort KVM Switch DP 1.4

Brand: UGREEN

1. INTRODUCTION

The UGREEN 8K DisplayPort KVM Switch DP 1.4 is designed to allow two computers to share a single DisplayPort monitor and four USB 3.0 devices. This device streamlines your workspace by enabling seamless switching between two host computers, utilizing one set of keyboard, mouse, and other peripherals. It supports high-resolution video output and fast data transfer speeds.

Important Note: This is a DisplayPort KVM switch. It is **not** an HDMI KVM switch and does not feature an HDMI interface. It supports only **one** monitor and does **not** support dual monitors.

Friendly Reminder	1080P@60Hz	4K@30Hz	4K@60Hz	4K@120Hz	4K@144Hz	8K@30Hz	8K@60Hz
Surface Laptop 5 2022	✓	✓	✓	✓	✓	✓	TBD
Apple MacBook Air(M1,2020)	✓	✓	✓	✓	✓	✓	TBD
Mac mini(M4,2024)	✓	✓	✓	✓	✓	TBD	TBD
Mac studio(M1 Max,2022)	✓	✓	✓	✓	✓	TBD	TBD
MacBook Pro(13-inch M1,2020)	✓	✓	✓	TBD	TBD	TBD	TBD
Google Pixelbook Go(Android 9)	✓	✓	✓	TBD	TBD	TBD	TBD
Lenovo T490(Ubuntu 18.04)	✓	✓	✓	TBD	TBD	TBD	TBD
Others (PC or other common devices)	✓	✓	✓	✓	✓	✓	✓

NOTE: If need to achieve 8K resolution, in addition to the computers and monitors needing to support 8K, the length of your DP 1.4 cable input and output should be within 3.3FT/1m AWG30

Regarding the high resolution on the right, whether the above devices support it needs to be determined (TBD).

Image: The UGREEN 8K DisplayPort KVM Switch, showcasing its compact design and included accessories like cables and a desktop controller.

2. PRODUCT FEATURES

- **DisplayPort 1.4 Connectivity:** Supports resolutions up to 8K@60Hz, and is backward compatible with

4K@240Hz, 4K@120Hz, 4K@60Hz, 2560x1440@60Hz, and 1080p. Ensures clear picture quality and lag-free transmission.

- **USB 3.0 Sharing:** Features 3 USB-A ports and 1 USB-C port for sharing USB flash drives, printers, mobile hard drives, U-disks, and other USB devices. USB 3.0 offers data transfer speeds up to 5Gbps, significantly faster than USB 2.0 (480Mbps).
- **Two Switching Methods:** Easily switch between connected computers using either the button on the KVM switch itself or the included desktop controller switch.
- **Broad Compatibility:** Compatible with Windows, macOS, and Linux operating systems.
- **Durable Construction:** Made with aluminum alloy material for enhanced durability.

Included Components:

- 1 x DP KVM Switch
- 2 x DP Cable (3.3FT / 1m)
- 2 x USB-A to C Cable (5FT / 1.5m)
- 1 x Desktop Controller
- 1 x User Manual

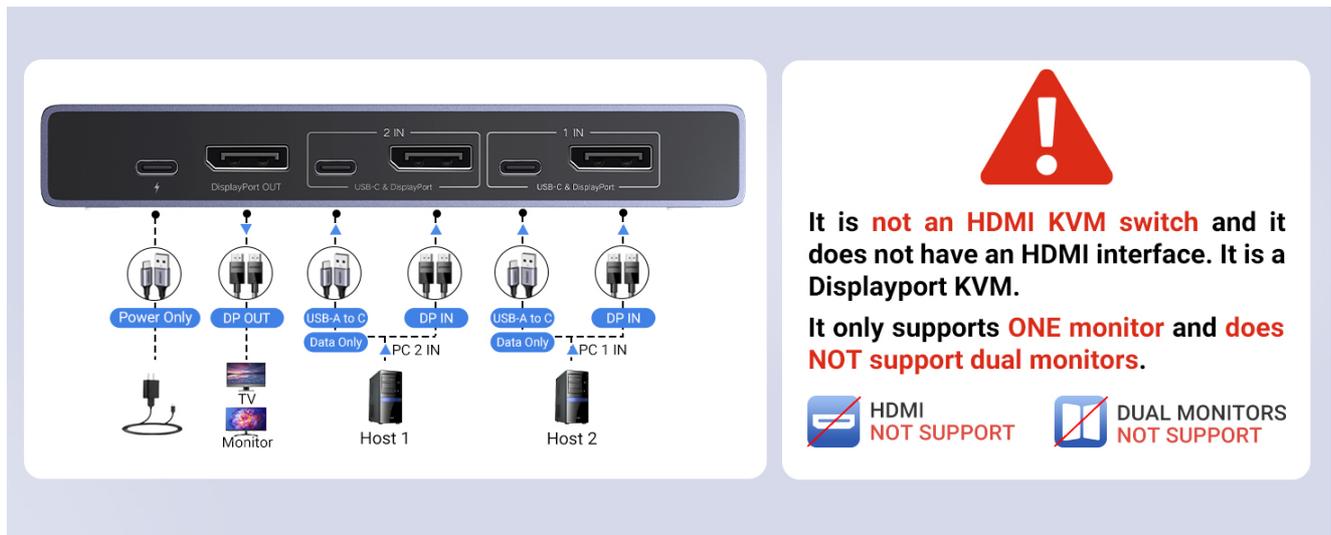


Image: Visual representation of 8K@60Hz and 4K@240Hz resolutions supported by the KVM switch.

3. SETUP INSTRUCTIONS

Follow these steps to connect your UGREEN 8K DisplayPort KVM Switch:

1. **Connect Monitor:** Connect your DisplayPort monitor to the "DisplayPort OUT" port on the KVM switch.
2. **Connect Computers (Video):** Connect the DisplayPort output of PC1 to the "DP IN 1" port on the KVM switch using a DisplayPort cable. Repeat for PC2, connecting its DisplayPort output to "DP IN 2".
3. **Connect Computers (USB Data/Power):** Connect the included USB-A to C cables from the USB-A ports of PC1 to the "USB-C & DisplayPort 1" port on the KVM switch. Repeat for PC2, connecting its USB-A port to "USB-C & DisplayPort 2". These cables are essential for both power supply and data transfer for the shared USB devices.
4. **Connect USB Peripherals:** Connect your keyboard, mouse, and other USB 3.0 devices (e.g., hard drives, U-disk, printer) to the available USB-A and USB-C ports on the front of the KVM switch.
5. **Connect Desktop Controller (Optional):** If desired, connect the desktop controller to the "CONTROL" port on

the KVM switch for remote switching.

6. **Power On:** Ensure all connections are secure, then power on your computers and monitor.

Important Considerations for 8K Resolution: To achieve 8K@60Hz resolution, ensure that both your computers and monitor support 8K. Additionally, use certified 8K DisplayPort 1.4 cables. The two DP cables provided with the switch are 8K compatible.

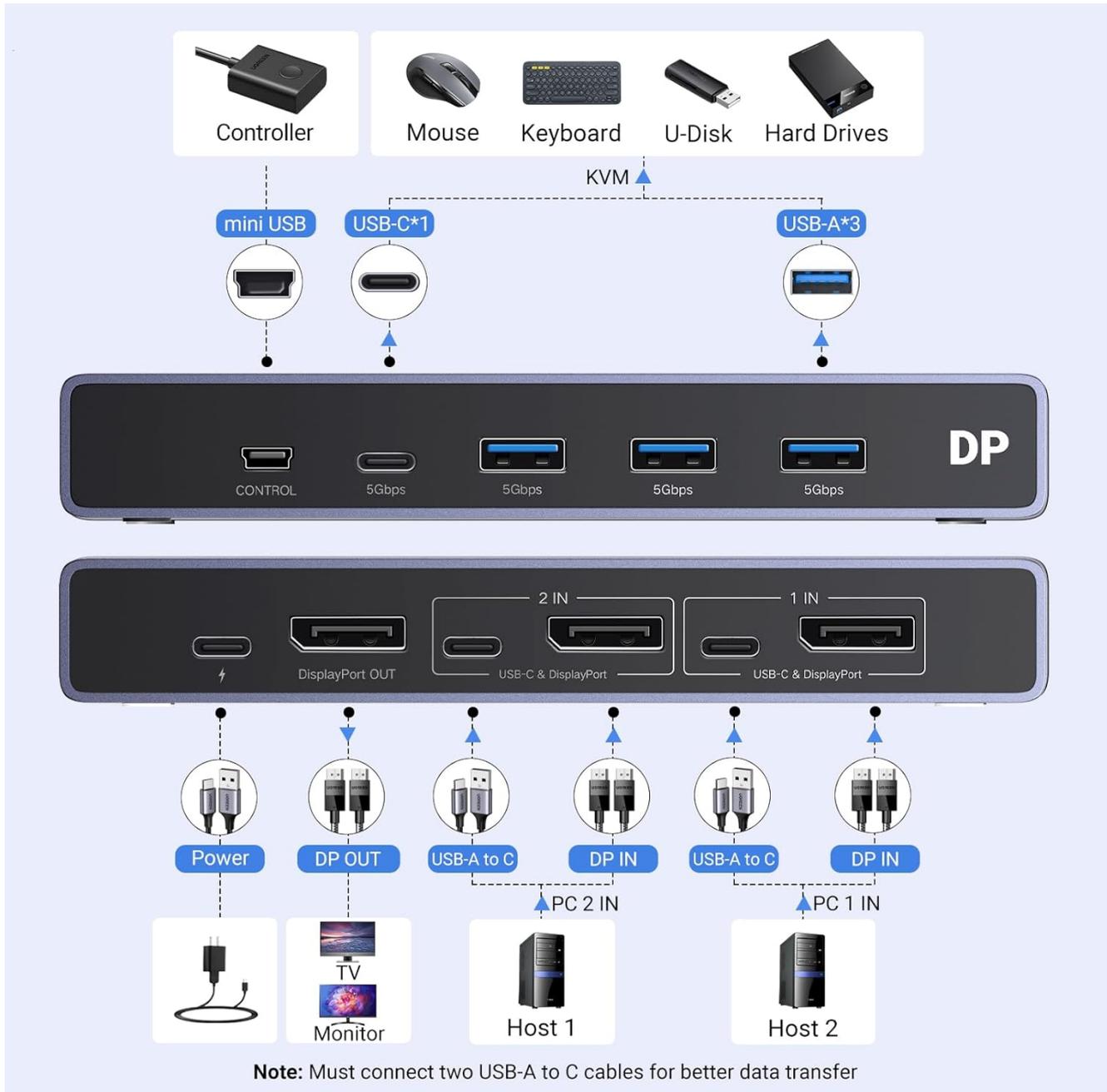


Image: Detailed connection diagram for the DisplayPort KVM switch, illustrating how to connect two PCs, a monitor, and USB peripherals.

Connecting with USB-C Laptops:

- If your laptop only has two USB-C Ports, you will need an 8K USB-C to DisplayPort Cable or Adapter and a USB-C to USB-C Cable.
- If your laptop has a USB-C Port and a USB-A Port, you can prepare just an 8K USB-C to DisplayPort Cable or Adapter.



Image: Instructions for connecting a laptop with USB-C ports to the KVM switch.

4. OPERATING INSTRUCTIONS

The UGREEN 8K DisplayPort KVM Switch offers two convenient methods for switching between your connected computers:

1. **Button Switch:** Press the physical button located on the top of the KVM switch to toggle between PC1 and PC2. The LED indicators (1 and 2) will illuminate to show which computer is currently active.
2. **Desktop Controller Switch:** Use the included desktop controller for remote switching. Simply press the button on the controller to switch between PC1 and PC2. This is useful for placing the KVM switch out of sight.

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

Two Ways of Switching



Image: Demonstrates the two switching methods: direct button press on the KVM unit and using the external desktop controller.

5. MAINTENANCE

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

- Keep the device in a cool, dry place away from direct sunlight and extreme temperatures.
- Avoid exposing the device to water or other liquids.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure proper ventilation around the device to prevent overheating.
- Handle cables and connectors gently to prevent damage.

6. TROUBLESHOOTING

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

- **No Display/Signal:**

- Ensure all DisplayPort cables are securely connected and are DisplayPort 1.4 compliant, especially for high resolutions.
- Verify that your monitor and computers support the desired resolution (e.g., 8K@60Hz).
- Check if the correct input is selected on your monitor.

- **USB Devices Not Working:**

- Confirm that both USB-A to C cables are connected from your computers to the KVM switch for data transfer and power.
- If connecting high-power USB devices (e.g., external hard drives), ensure the KVM switch is receiving sufficient power. The USB-C port on the KVM is for data only, not external power input for the KVM itself.
- Try connecting the USB device directly to the computer to rule out device issues.

- **Switching Issues:**

- Ensure the desktop controller (if used) is properly connected to the "CONTROL" port.
- Remember that hotkey switching is not supported. Use the physical button or desktop controller.

- **Compatibility Notes:**

- This KVM switch supports only ONE monitor. Dual monitor setups are not supported.
- It is not a USB-C KVM switch. The USB-C ports on the KVM are for data transfer from the host computers.
- Avoid using the KVM switch with a docking station to prevent potential incompatibility issues.



Resolution	DP Cable		
	Input	Output	Wire gauge (AWG)
8K@60Hz	≤1m/3.3ft	≤1m/3.3ft	30AWG
8K@30Hz	≤1m/3.3ft	≤1m/3.3ft	30AWG
4K@60Hz	≤2m/6.6ft	≤2m/6.6ft	30AWG
4K@30Hz	≤3m/9.8ft	≤3m/9.8ft	28AWG
1080P@60Hz	≤5m/16.4ft	≤5m/16.4ft	26AWG

Image: A list of friendly reminders and important notes for using the KVM switch, including power requirements and compatibility.

7. SPECIFICATIONS

Feature	Description
Model	8K DisplayPort KVM Switch DP 1.4
Video Input	2 x DisplayPort 1.4

Feature	Description
Video Output	1 x DisplayPort 1.4
USB Ports (Host)	2 x USB-C (for data and power from PCs)
USB Ports (Peripheral)	3 x USB-A 3.0, 1 x USB-C 3.0
Max Resolution	8K@60Hz, 4K@240Hz, 4K@120Hz, 4K@60Hz, 2560x1440@60Hz, 1080p
Data Transfer Speed	USB 3.0 up to 5Gbps
Switching Method	Button Switch, Desktop Controller
Compatible OS	Windows, macOS, Linux
Material	Metal
Dimensions (L x W x H)	Approx. 5.59in (142mm) x 2.48in (63mm)

DP Cable Length vs. Resolution:

For optimal performance, especially at higher resolutions, cable quality and length are crucial. Refer to the table below for recommended DP cable lengths:

Resolution	Input Cable Length	Output Cable Length	Wire Gauge (AWG)
8K@60Hz	≤1m/3.3ft	≤1m/3.3ft	30AWG
8K@30Hz	≤1m/3.3ft	≤1m/3.3ft	30AWG
4K@60Hz	≤2m/6.6ft	≤2m/6.6ft	30AWG
4K@30Hz	≤3m/9.8ft	≤3m/9.8ft	28AWG
1080P@60Hz	≤5m/16.4ft	≤5m/16.4ft	26AWG

Friendly Reminder

- 1 It only supports ONE Monitor.
- 2 It is NOT a USB-C KVM Switch. It is displayport KVM switch.
- 3 It is NOT an HDMI KVM switch and it does NOT have HDMI interface.
- 4 It doesn't support Hotkey Switching.
- 5 USB-C power cable or power adapter is NOT Included.
- 6 MUST Connect two USB A to C cables for the power supply and data transfer.
- 7 Please Ensure Charging to the power source when connecting high-power equipment such as hard drive
- 8 To avoid incompatibility, we recommend that you do not use it with the docking station.

Image: A table detailing recommended DisplayPort cable lengths and wire gauges for different resolutions.

8. WARRANTY AND SUPPORT

UGREEN products come with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or visit the official UGREEN website.

If you encounter any issues or have questions regarding your UGREEN 8K DisplayPort KVM Switch, please contact UGREEN customer support through their official website or the contact information provided in your product packaging. Please have your product model and purchase details ready when contacting support.