

MOKiN 0231

MOKiN USB-C 13-in-1 Docking Station (Model 0231) User Manual

Comprehensive instructions for setup, operation, and troubleshooting.

1. INTRODUCTION

Thank you for choosing the MOKiN USB-C 13-in-1 Docking Station. This versatile hub is designed to expand the connectivity of your USB-C enabled laptop, providing multiple ports for displays, data transfer, networking, and power delivery. Please read this manual carefully to ensure proper installation and operation.

2. PRODUCT OVERVIEW

The MOKiN 13-in-1 Docking Station offers a wide array of ports to enhance your productivity:

- **Video Outputs:** 2 x HDMI (4K), 1 x DisplayPort (DP)
- **Data Ports:** 2 x USB-C 3.1 (10Gbps), 1 x USB-A 3.1 (10Gbps), 2 x USB-A 2.0
- **Network:** 1 x Gigabit Ethernet (RJ45)
- **Card Readers:** 1 x SD Card Slot, 1 x Micro SD Card Slot (supports simultaneous reading)
- **Audio:** 1 x 3.5mm Audio/Microphone Jack
- **Power Delivery:** 1 x USB Type-C PD Charging Port (up to 100W input, 85W output)

13 IN 1 Multifunctional Hub

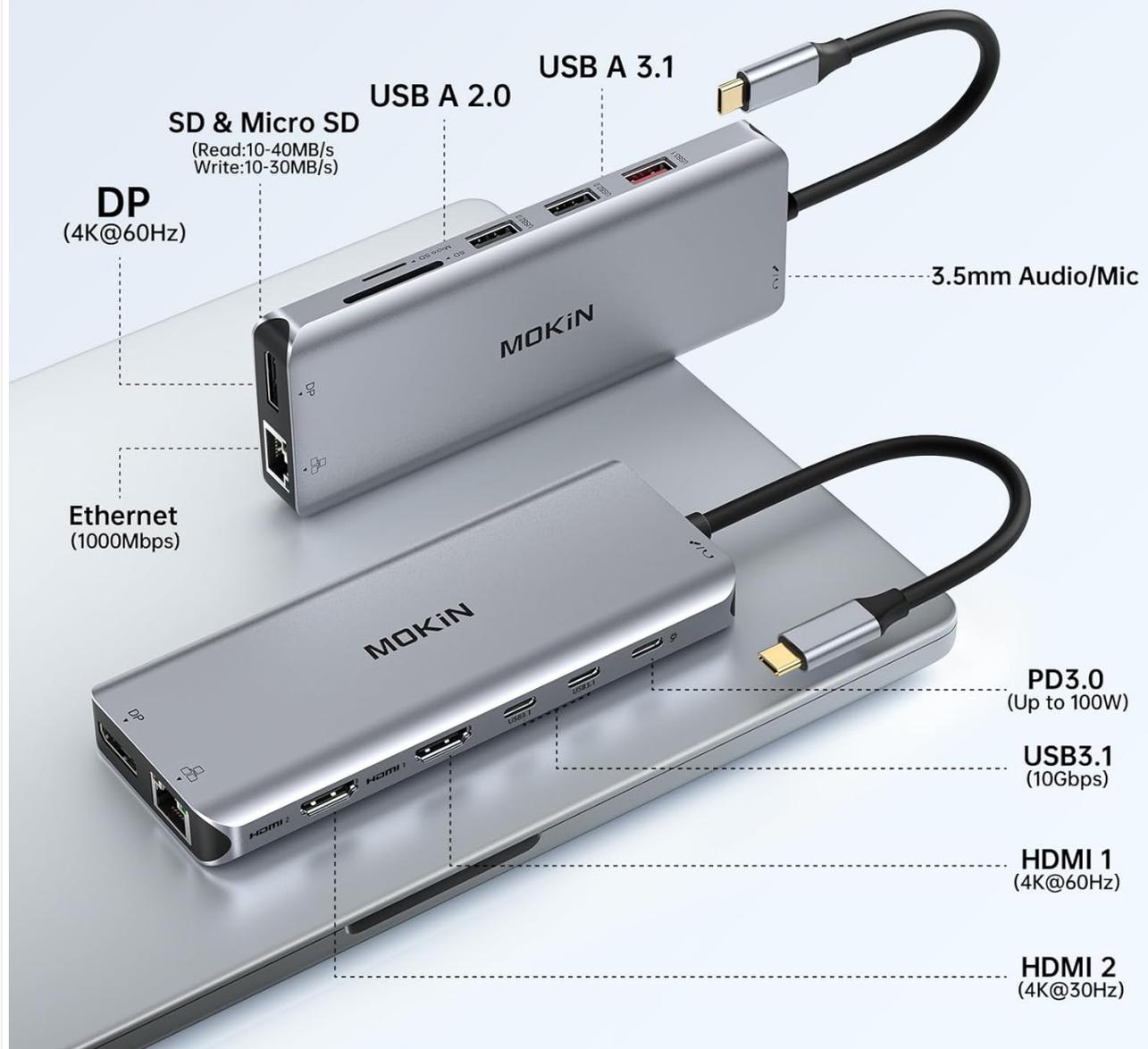


Figure 1: MOKiN 13-in-1 Multifunctional Hub with all ports clearly labeled.

3. COMPATIBILITY

This docking station is compatible with laptops equipped with a full-function USB-C port (supporting DisplayPort Alternate Mode, Power Delivery, and data transfer) or a Thunderbolt 3/4 port. It supports Windows 7 and later operating systems. For macOS, please note specific display limitations mentioned in the 'Operating Instructions' section.

Examples of compatible devices include: Dell XPS 13/15, Lenovo Yoga 720/910/920/930, Microsoft Surface Book 2/Surface Go/Surface Laptop 3, Dell Latitude 13 7000/Latitude 13 E7370, and many other Type-C laptops.



Figure 2: The MOKiN USB-C Docking Station connected to a laptop, expanding its capabilities.

4. SETUP INSTRUCTIONS

1. **Connect to Laptop:** Plug the integrated USB-C cable from the docking station into a full-function USB-C or Thunderbolt 3/4 port on your laptop.
2. **Connect Power Adapter (Optional but Recommended):** For stable operation and laptop charging, connect your laptop's original USB-C power adapter (or a compatible PD charger) to the PD charging port on the docking station. The docking station supports up to 100W input, with an 85W output to your laptop for safety.
3. **Connect External Displays:** Connect your monitors to the HDMI and/or DisplayPort outputs on the docking station using appropriate cables.
4. **Connect Peripherals:** Plug in your USB devices (keyboard, mouse, external drives), Ethernet cable, SD/Micro SD cards, and audio devices as needed.

The docking station is plug-and-play; no additional drivers are required for most functions. Your operating system should automatically detect the connected devices.

5. OPERATING INSTRUCTIONS

5.1. Multi-Monitor Display Configuration

The docking station supports various display modes, including Mirror (Duplicate) and Extend, allowing you to connect multiple external monitors.

5.1.1. Windows OS Display Settings

For Windows systems, you can achieve triple extended displays. The docking station supports 4 multi-screens (laptop screen + 3 external displays) in extended mode. For collage mode (specific triple display setup), it supports one HDMI output, one HDMI + DP output, and one laptop screen.

1. Right-click on your desktop and select "Display settings."
2. Under "Multiple displays," you can arrange your displays, change resolution, and select display modes (Extend these displays, Duplicate these displays, Show only on 1, Show only on 2, etc.).
3. Adjust the resolution and refresh rate for each monitor as desired.

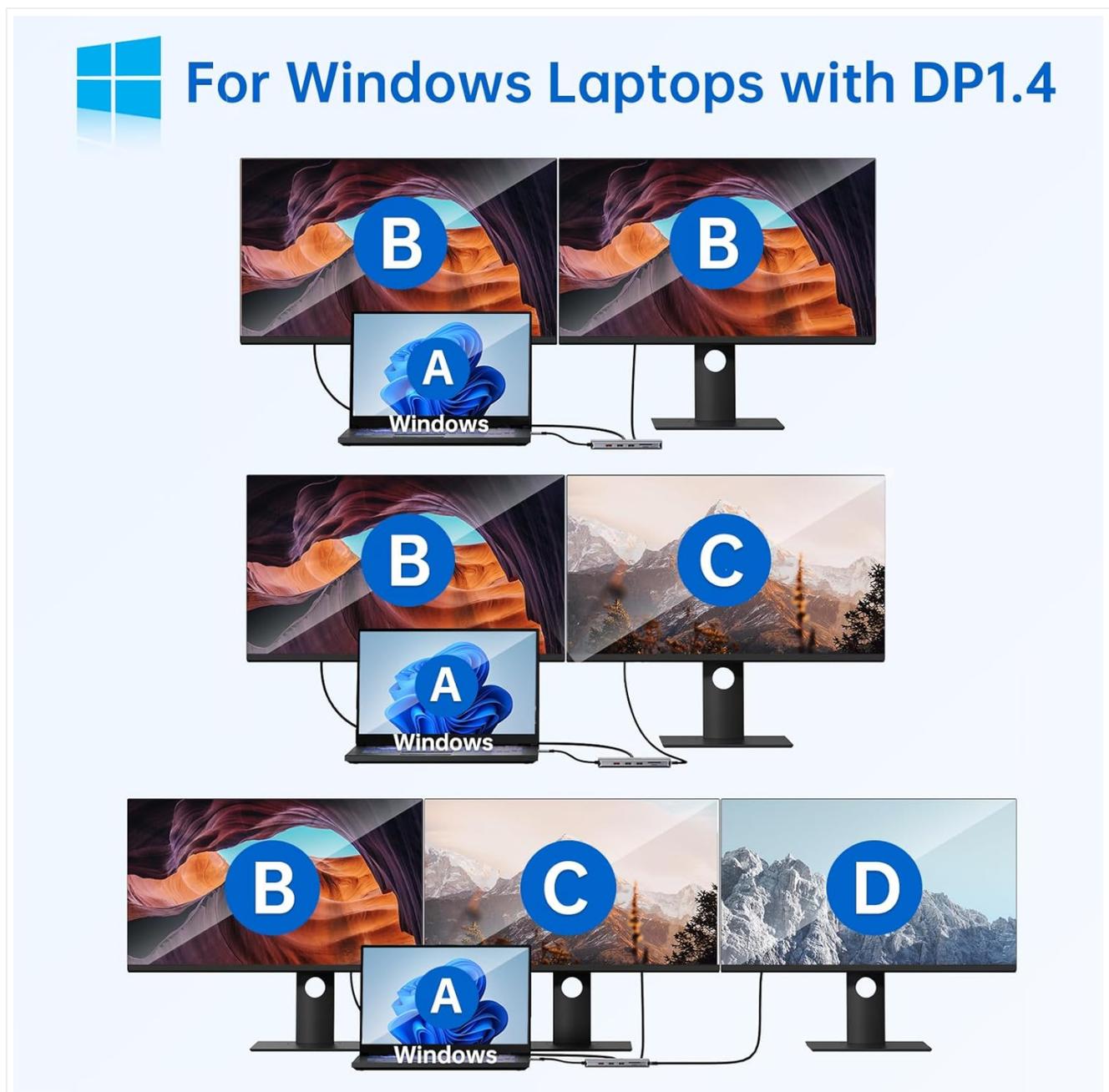


Figure 3: Example of a Windows laptop configured for extended display across three external monitors using the MOKiN docking station.

5.1.2. macOS Display Settings

Important Note for macOS: macOS does not support Multi-Stream Transport (MST). Therefore, when connecting multiple external monitors to a macOS laptop via this docking station, all external monitors will display the same content (mirror mode) or an extended display where all external monitors show the same extended desktop. True triple extended displays (different content on each external monitor) are not supported on macOS.

1. Go to "System Settings" (or "System Preferences" on older macOS versions).
2. Click on "Displays."
3. Here you can arrange your displays, change resolution, and select between "Mirror Displays" or "Use as separate display" (Extended Display).

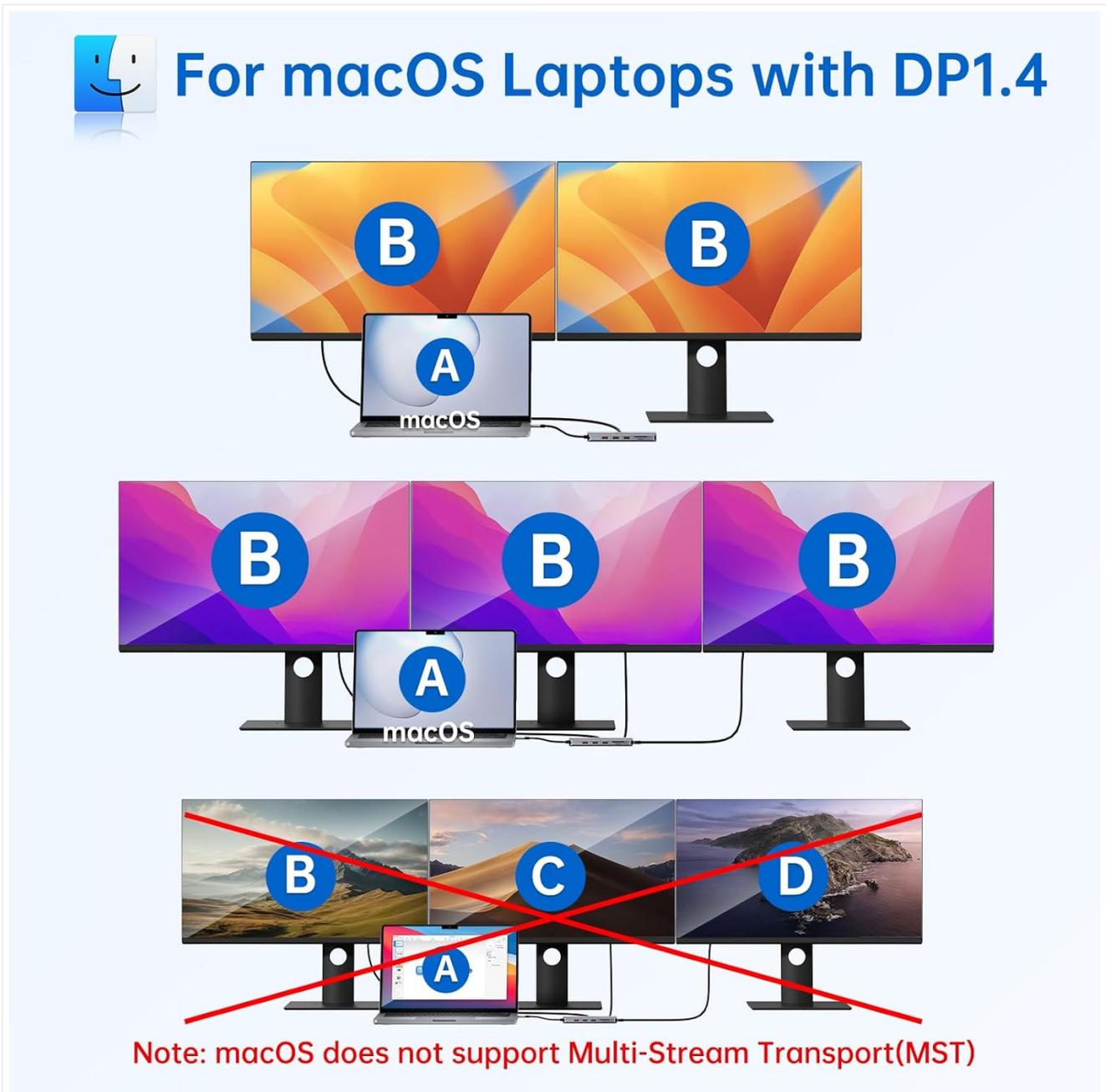


Figure 4: macOS display settings showing options for mirror and extended displays, with a crucial note regarding MST limitations.

5.2. Data Transfer

The docking station features two USB-C 3.1 ports and one USB-A 3.1 port, all capable of high-speed data transfer up to 10Gbps. Additionally, two USB-A 2.0 ports are available for connecting standard peripherals like keyboards and mice.

Fast & Stable Transfer

Supports simultaneous SD/Micro SD read & write operations

Up to 10Gbps[↑]
3 * USB3.1 Prots

USB A 3.1



USB C 3.1



Figure 5: High-speed USB 3.1 ports and integrated SD/Micro SD card slots for efficient data transfer.

5.3. Power Delivery (PD) Charging

The dedicated USB Type-C PD charging port supports up to 100W input from a compatible power adapter. This allows you to charge your laptop while using the docking station. For safety, the power output to your laptop is limited to 85W. Ensure your laptop and power adapter support USB Power Delivery.

PD3.0 Fast Charging

100W fast charging protocol



Figure 6: The docking station providing PD3.0 fast charging to a laptop, illustrating power input and output.

5.4. Gigabit Ethernet

Connect an Ethernet cable to the RJ45 port for a stable and high-speed wired network connection, supporting speeds up to 1000Mbps. This is ideal for large file downloads or online gaming, offering a more reliable connection than Wi-Fi.



Figure 7: The MOKiN docking station connected to a network via its 1000Mbps RJ45 Ethernet port.

5.5. SD/Micro SD Card Reader

The integrated SD and Micro SD card slots allow for easy access to files from your memory cards. Both slots can be used simultaneously for reading and writing data.

5.6. 3.5mm Audio Jack

Connect your headphones, speakers, or microphone to the 3.5mm audio port for convenient audio input/output.

6. SPECIFICATIONS

Feature	Detail
Brand	MOKiN
Model Number	0231

Feature	Detail
Hardware Interface	USB-C
Special Feature	Fast Charging
Compatible Devices	Laptops with Thunderbolt or Full-function USB-C port
Total USB Ports	5 (2x USB-C 3.1, 1x USB-A 3.1, 2x USB-A 2.0)
Data Transfer Rate (USB 3.1)	Up to 10 Gigabits per second
Material	Aluminum
Number of Ports	13
Minimum Required OS Version	Windows 7
Power Delivery	100W Input / 85W Output
Ethernet	10/100/1000 Mbps Gigabit Ethernet
Video Output	2x HDMI (4K), 1x DisplayPort (DP)

7. TROUBLESHOOTING

- **No Display Output:**

- Ensure your laptop's USB-C port supports DisplayPort Alternate Mode.
- Check all cable connections (USB-C to laptop, HDMI/DP to monitors).
- Try restarting your laptop and reconnecting the docking station.
- Update your graphics drivers.
- For macOS, remember the MST limitation for multiple external displays.

- **Laptop Not Charging:**

- Ensure your power adapter is connected to the PD port on the docking station.
- Verify that your laptop and power adapter support USB Power Delivery.
- Check the power adapter and USB-C cable for damage.

- **USB Devices Not Recognized:**

- Ensure the docking station is properly connected to your laptop.
- Try connecting the USB device to a different port on the docking station.
- If using a high-power USB device, ensure the docking station is connected to an external power source.

- **Ethernet Connection Issues:**

- Check the Ethernet cable connection to both the docking station and your router/modem.
- Verify network settings on your laptop.
- Ensure your network drivers are up to date.

8. VIDEO GUIDE

This video demonstrates how to configure display settings for mirror and extended modes on both Windows and macOS operating systems when using the MOKiN USB-C 13-in-1 Docking Station.

Video 1: Display Configuration for Windows and macOS.

9. WARRANTY AND SUPPORT

MOKiN products are designed for reliability and performance. For warranty information or technical support, please refer to the product packaging or contact MOKiN customer service through their official website or the retailer where the product was purchased.