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› [WAVLINK](#) /

› [WAVLINK WL-UMD05 USB C Docking Station User Manual](#)

## WAVLINK WL-UMD05

# WAVLINK WL-UMD05 USB C Docking Station Instruction Manual

Model: WL-UMD05 | Brand: WAVLINK

## 1. INTRODUCTION

The WAVLINK WL-UMD05 USB C Docking Station is designed to expand the connectivity of your USB-C enabled laptop, transforming it into a powerful workstation. This 13-in-1 docking station supports 4K triple display output, 100W Power Delivery for laptop charging, high-speed data transfer, and reliable Gigabit Ethernet connectivity. It is compatible with a wide range of USB-C laptops that support DisplayPort Alt Mode and Power Delivery.

## 2. PACKAGE CONTENTS

- WAVLINK WL-UMD05 USB C Docking Station
- 130W Power Adapter
- USB-C to USB-C Cable
- Instruction Manual

## 3. PRODUCT OVERVIEW

Familiarize yourself with the ports and indicators on your docking station:

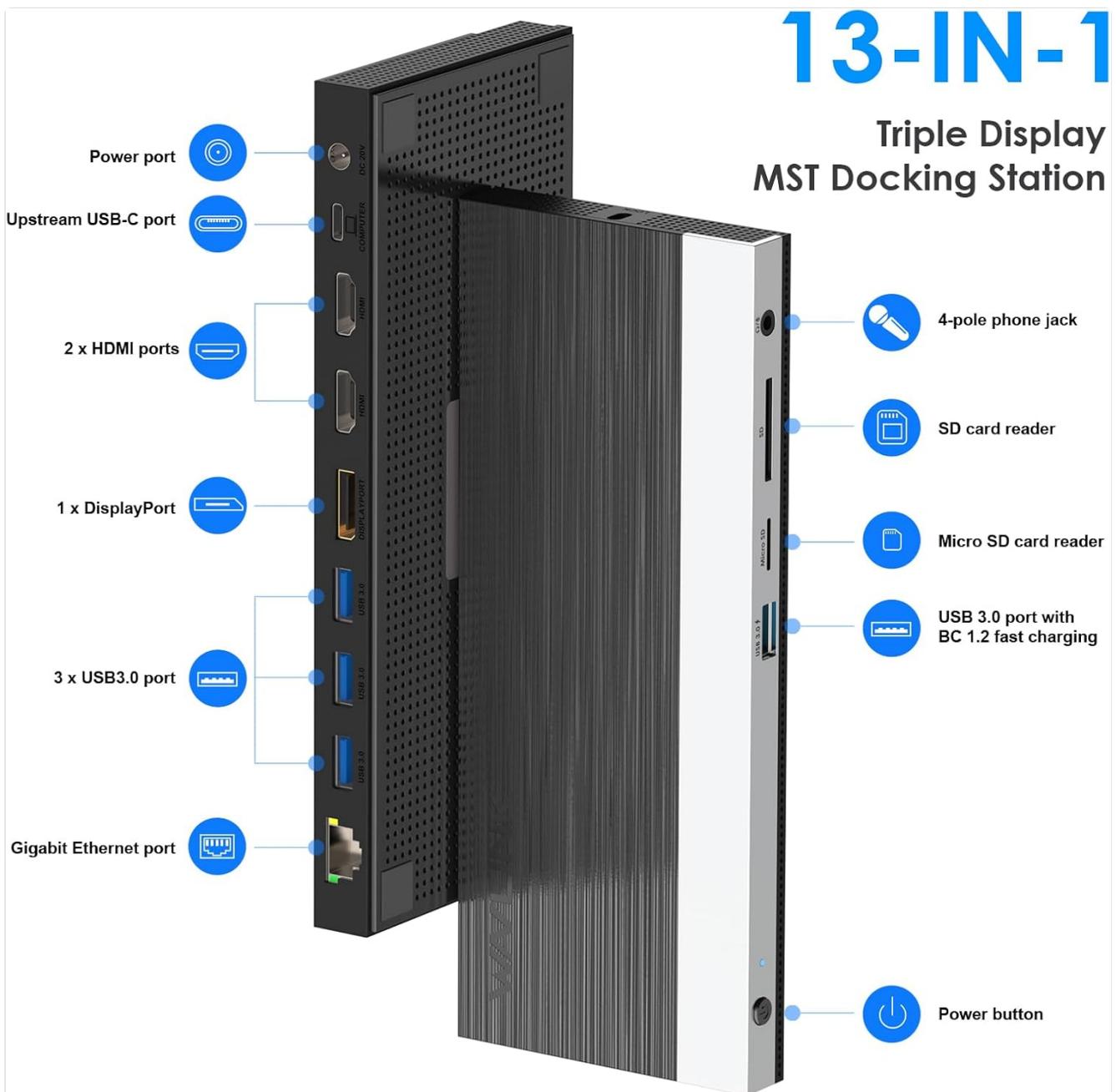


Figure 1: Front and Rear View of the WAVLINK WL-UMD05 Docking Station with Port Labels.

### Front Panel:

- **Power Button:** To turn the docking station on/off.
- **LED Indicator:** Shows power status.
- **USB 3.0 Port (with BC 1.2 fast charging):**For connecting USB devices and fast charging compatible devices.
- **Micro SD Card Slot:** For reading Micro SD cards.
- **SD Card Slot:** For reading standard SD cards.
- **4-Pole Phone Jack:** For connecting headphones or headsets with microphone functionality.

### Rear Panel:

- **Gigabit Ethernet Port:** For wired network connection (10/100/1000Mbps).
- **3 x USB 3.0 Ports:** For connecting USB peripherals (5Gbps data transfer).
- **1 x DisplayPort:** For connecting an external monitor.

- **2 x HDMI Ports:** For connecting external monitors.
- **Upstream USB-C Port (Computer):** Connects to your host laptop.
- **DC 20V Power Port:** Connects to the included 130W power adapter.



Figure 2: Dimensions of the WAVLINK WL-UMD05 Docking Station.

## 4. SETUP INSTRUCTIONS

### 4.1. Compatibility Check

Before connecting, ensure your laptop's USB-C port supports **DisplayPort Alt Mode** (for video output) and **Power Delivery** (for charging). Not all USB-C ports have these capabilities. Refer to your laptop's manual or manufacturer for confirmation.

 <b>Note Before Purchase:</b> Please confirm that the type-c port of your host supports charging and video output, or the charging function and HDMI ports may not work	
Examples for Supported Type-C	Examples for Unsupported Type-C
 Thunderbolt 3/4 Full Function 	 Only Data Transfer 
 Data+ Displayport Alt 	 Only Charging 
 Data+PD+ Displayport Alt 	 Only Data+ Power Delivery 
Others.....	Others.....

Figure 3: USB-C Port Compatibility Guide.

### 4.2. Driver Installation

The WAVLINK WL-UMD05 docking station is generally plug-and-play for Windows 10/11 and macOS 10.12+

operating systems. No additional drivers are typically required. For older operating systems or specific issues, drivers may be available on the WAVLINK official website. Visit [www.wavlink.com](http://www.wavlink.com) for support and driver downloads.

### 4.3. Connecting the Docking Station

1. Connect the included 130W power adapter to the **DC 20V Power Port** on the docking station, then plug the adapter into a power outlet.
2. Connect one end of the included USB-C to USB-C cable to the **Upstream USB-C Port (Computer)** on the docking station.
3. Connect the other end of the USB-C cable to a compatible USB-C port on your host laptop. The LED indicator on the dock will illuminate blue.



Figure 4: Power Delivery setup with 100W charging.

### 4.4. Connecting Displays

Connect your external monitors to the **DisplayPort** and **HDMI Ports** on the docking station using appropriate cables. The docking station supports up to three external displays.

## 4.5. Connecting Peripherals

Connect your USB devices (keyboard, mouse, external hard drives, etc.) to the **USB 3.0 Ports**. Insert SD or Micro SD cards into the respective slots. For a wired network connection, connect an Ethernet cable to the **Gigabit Ethernet Port**. Plug your headphones or headset into the **4-Pole Phone Jack**.

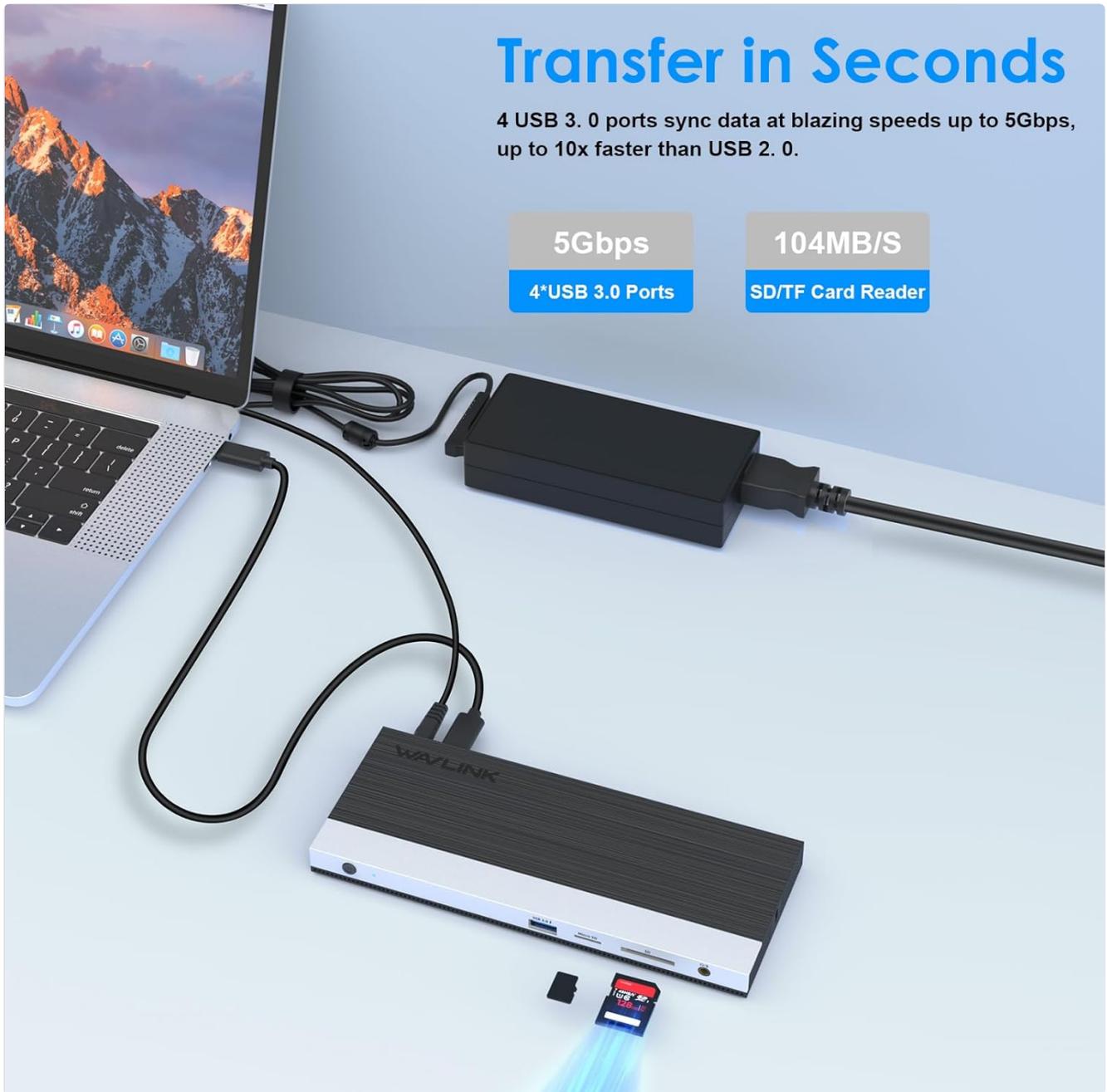


Figure 5: Connecting USB devices and memory cards.

## 5. OPERATING MODES (DISPLAY CONFIGURATIONS)

### 5.1. Windows Display Settings

For Windows users, you can configure your display settings by right-clicking on your desktop and selecting 'Display settings'.

# Super fast charging Strong release

Support 100W Power Delivery protocol fast charging  
Quickly charge your laptop



**130**<sup>W</sup>  
Input power

**100**<sup>W</sup>  
For laptops



Figure 6: Windows Display Settings for multiple monitors.

## **Extend Mode (Windows):**

Allows you to display different content on each connected monitor, creating an extended desktop workspace. The docking station supports up to three independent screens (e.g., 4K@60Hz single, 2K dual, 1080P triple).

# Multi Display Modes(DP1.4)

## 1 Extend Mode



## 2 Mirror Mode



**Note: Make sure your computer's graphics card supports 4 monitors**

Figure 7: Windows Extend Mode with three displays.

### Mirror Mode (Windows):

Duplicates your laptop's display across all connected external monitors.

Video: Demonstrates the WAVLINK USB C Triple Display Docking Station in action, showcasing its various ports and multi-display capabilities for an enhanced workstation setup.

Video 1: USB C Triple Display Docking Station Overview.

### 5.2. macOS Display Settings

For macOS users, access display settings via 'Apple menu > System Preferences > Displays'.



## Extensive Compatibility

- ✔ Windows 11/10/8.1/8/7/XP/Vista
- ✔ Mac 10.X or above
- ✔ Linux, Chrome, Android, HarmonyOS, iPadOS

**Please Note:** The USB-C port of your devices should support charging and video output, or some of the product's ports will not be available. Refer to the details page for more information.

Figure 8: macOS Display Settings for multiple monitors.

### Mirror Mode (macOS):

All external monitors will mirror the content of your laptop's display or show the same content across all external displays.

# Multi Display Modes(DP1.4)

## 1 Mac Mirror Mode



## 2 Mac Non-Mirror Mode



**Note: Mac doesn't support MST (Multi Stream Transport)**

Figure 9: macOS Mirror Mode with three displays.

### Non-Mirror Mode (macOS):

Due to macOS limitations (MST not supported), external displays will show the same content, but it can be different from the laptop's display. For example, your laptop screen can show one thing, and all three external monitors will show another identical content.

Video: Illustrates the WAVLINK USB C Triple Display Docking Station's multi-monitor capabilities for both MacBook and Windows laptops, highlighting different display configurations.

Video 2: USB C Triple Display Docking Station for MacBook and Windows.

## 6. SPECIFICATIONS

Feature	Description
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Model Number	WL-UMD05
Ports	2x HDMI 4K@60Hz, 1x DisplayPort 4K@60Hz, 4x USB 3.0 (5Gbps, 1x with BC 1.2 fast charging), Gigabit Ethernet, SD/TF Card Slots, 4-Pole Phone Jack, Upstream USB-C (100W PD), DC 20V Power Input
Power Delivery	100W to host laptop (requires 130W power adapter input)
Data Transfer Speed	USB 3.0 up to 5Gbps, SD/TF up to 104MB/s
Display Resolution	Single Display: 4K@60Hz (HDMI/DP). Dual Display: 2K@60Hz. Triple Display: 1080P@60Hz (Windows). Mac: Mirror displays or same content on external monitors.
Compatibility	Thunderbolt 3/4, USB-C laptops (DisplayPort Alt Mode & Power Delivery). Windows 10/11 (driver-free), macOS 10.12+ supported.
Dimensions	10.51 x 5.08 x 2.95 inches
Item Weight	2.56 pounds

## 7. TROUBLESHOOTING

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- **No Display Output:**

- Ensure your laptop's USB-C port supports DisplayPort Alt Mode.
- Check all cable connections (USB-C to laptop, HDMI/DP to monitors).
- Verify the docking station is powered on and the LED indicator is blue.
- Try connecting one monitor at a time to isolate the issue.
- Adjust display settings in your operating system (Extend/Mirror).

- **Laptop Not Charging:**

- Confirm your laptop's USB-C port supports Power Delivery.
- Ensure the 130W power adapter is correctly connected to the dock and a power outlet.
- Verify the USB-C cable is fully inserted into both the dock and the laptop.

- **USB Devices Not Recognized:**

- Try connecting the device to a different USB port on the dock.
- Ensure the device is functioning correctly when connected directly to your laptop.

- **Ethernet Connection Issues:**

- Check the Ethernet cable connection to both the dock and your router/modem.
- Verify network settings on your laptop.

- **MacBook Display Limitations:**

- macOS does not support Multi-Stream Transport (MST) for extended displays. All external monitors will display the same content.

## 8. WARRANTY AND SUPPORT

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WAVLINK provides a 2-year limited warranty for this product. For any questions or technical support, please feel free to contact us:

- **Phone Support:** +1 8889730883 (UTC-5) Mon-Fri 9AM-6PM
- **Email Support:** [contact@wavlink.com](mailto:contact@wavlink.com)
- Alternatively, you can contact us via Amazon.

We are committed to providing solutions within 24 hours and offer life-long technical support.

Video: A concise overview of the WAVLINK Triple Monitor Docking Station, highlighting its dual HDMI and DisplayPort capabilities for multi-screen setups.

Video 3: Triple Monitor Docking Station with Dual HDMI DisplayPort.