WAVLINK WL-UMD03 USB-C Triple Display Docking Station User Guide

Contents

WAVLINK WL-UMD03 USB-C Triple Display Docking Station

Product Information

Product Name	USB-C Triple Display Docking Station
Model	WL-UMD03
Manufacturer	WAVLINK (@WavlinkOfficial)
Support	WAVLINK SUPPORT (@WavlinkTechSupport)

Product Usage Instructions

This USB-C Triple Display Docking Station is designed to meet the demands of extra USB peripherals and monitors. It allows you to extend the content of your AV sources by selecting one of three video interfaces: VGA, HDMI, and DisplayPort. You can also connect your laptop to the upstream USB-C port for charging. The dock provides four USB interfaces for high-speed data transfer.

Features

- **USB Power Delivery:** The upstream USB-C port supports up to 100W power supply, including max. 85W PD charging to laptop.
- **USB Data Transmission:** The dock has two USB 3.0 and two USB 2.0 ports, providing plenty of connection possibilities. USB 3.0 offers data transfer rate up to 5Gbps.
- **Triple Display:** The dock supports three different video ports, which can be used individually or combined for your own needs.
- **RJ45 Gigabit Ethernet:** The Gigabit Ethernet port provides high-speed network connectivity and is backward compatible with 10/100Mbps networks.
- **SD/TF Card Reader:** The dock supports SD V2.0 / SDHC (Up to 32GB) and is compatible with SDXC (Up to 2TB).

Safety Instructions

Always read the safety instructions carefully.
Keep this Quick Start Guide for future reference.
Keep this equipment away from humidity.

If any of the following situation arises, get the equipment checked by a service technician:

- The equipment has been exposed to moisture.
- The equipment has been dropped and damaged.
- The equipment has obvious sign of breakage.
- The equipment has not been working well or you cannot get it work according to Quick Start Guide.

Copyright Statement

Disclaimer

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.

WEEE Directive & Product Disposal

At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.

Introduction

This dock is built in a slim, light, and miniature case, it is designed to meet more demands of extra USB peripherals and monitors. To extend the content of your AV sources, you can select either one of three video interfaces: VGA, HDMI, and DisplayPort. Besides, you can also connect your laptop to the upstream USB-C port and get it charged. The dock also provides you four USB interfaces to enable you to enjoy high-speed data transfer.

Feature

USB Power Delivery

- The upstream USB-C port is compliant with USB power delivery specification revision 3.0 and supports up to 100W power supply including max. 85W PD charging to laptop.

USB Data Transmission

- The MST dock has two USB 3.0 and two USB 2.0 ports, providing your devices plenty of connection possibilities. USB 3.0 provides data transfer rate up to 5Gbps.

Triple Display

- This MST dock has 3 different video ports, you can either select one port or combine two or all three of them for your own need.

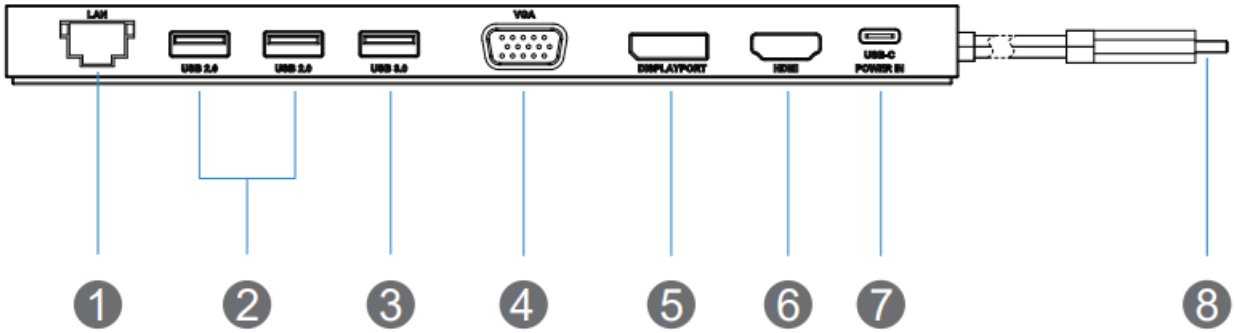
RJ45 Gigabit Ethernet

- Gigabit Ethernet port provides a high-speed network and is backward compatible with 10/100Mbps networks.

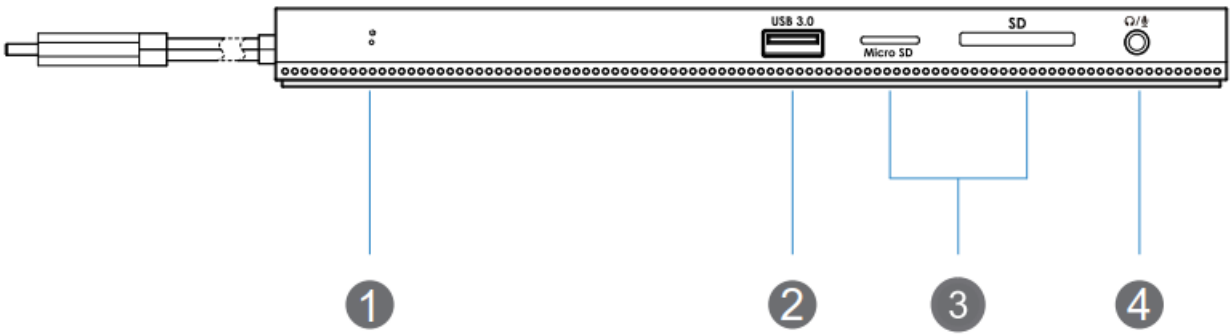
SD/TF Card Reader

- Support SD V2.0 / SDHC(Up to 32GB), compatible with SDXC(Up to 2TB).

Overview



1. Gigabit Ethernet port
2. 2 x USB 2.0 port
3. 1 x USB 3.0 port
4. VGA connector
5. DisplayPort
6. HDMI port
7. USB-C power in
8. Upstream USB-C port



1. LED indication
2. 1 x USB 3.0 port
3. SD & micro SD card reader
4. 1 x combo audio port

*SD/TF Card Reader slot cannot be used simultaneously.

System Requirement

- Windows 7/8/10 or later
- Mac OS X or later
- CPU i7 or higher, RAM 4GB or above
- Requires that host PC/laptop supports PD 2.0
- PC/laptop with USB 3.1 full function Type-C port (Power Delivery, Video Alternate, Display)

Display

Single Display

Video Port		DP	HDMI	VGA
DP version of PC@laptop	DP 1.2	3840 x 2160@30Hz	3840 x 2160@30Hz	2048 x 1152@60Hz
MacOS	Mirror	✓	✓	✓
	Extended	✓	✓	✓
Win 10	Mirror	✓	✓	✓
	Extended	✓	✓	✓

Dual Display

Video Port		DP + HDMI	DP + VGA	HDMI + VGA
DP version of PC@laptop	DP 1.2	1920 x 1080@60Hz	1920 x 1080@60Hz	1920 x 1080@60Hz
MacOS	Mirror	✓	VGA incompatible	VGA incompatible
	Extended			
Win 10	Mirror	✓	✓	✓
	Extended	✓	✓	✓

- VGA port is not available for MacOS based laptops/PCs.

Triple Display

Video Port		DP + HDMI + VGA		
DP version of PC@laptop	DP 1.2	1600 x 900@60Hz	1600 x 900@60Hz	1600 x 900@60Hz
MacOS	Mirror	✓	✓	VGA incompatible
	Extended			
Win 10	Mirror	✓	✓	✓
	Extended	✓	✓	✓

- VGA is not available for MacOS based laptops/PCs.

Installation

Before using this dock, please make sure that the latest PC/laptop drivers are installed (including USB, graphics card etc) because the network port needs specific drivers. For Windows 10, the system detects and automatically installs them after the dock is connected to the network. If drivers cannot be automatically installed, the network port can't perform properly. Please install them manually. For MAC OS system, you need to install the network port driver manually, please visit **www.wavlink.com** > Support > Driver > PC peripherals > USB Docking.

1. The dock is driver free, therefore you don't need to install any driver before using it.
2. Connect the USB-C connector of the dock to your host laptop/PC, the LED light on the dock will turn blue.
3. Connect your monitor(s) to video ports of the dock then you can proceed to configure the display modes.

Remarks for Windows based PC/laptops:

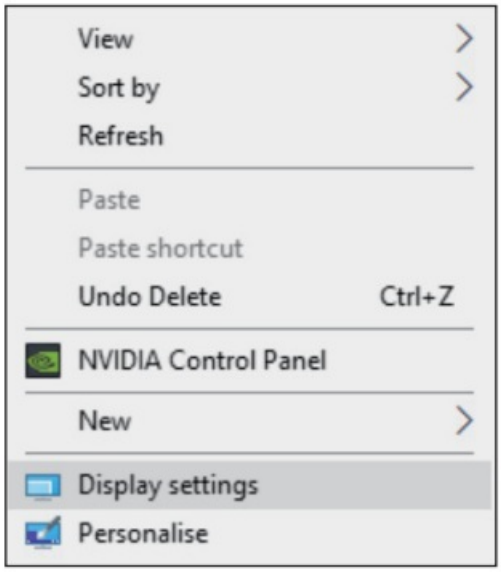
1. Before you connect two or three monitors, we suggest you lower monitor resolution, please check Q3 for details.
2. Before you connect three monitors, we suggest you disconnect laptop/PC first, please check Q2 for details.

Remarks for Mac based PC/laptops

1. When you connect only one external monitor to the dock, the extend and duplicate modes are both available.
2. If you have two or three monitors connected to the dock, then you can only extend to one monitor while the other one or two monitor(s) will copy the same content on your extended monitor.

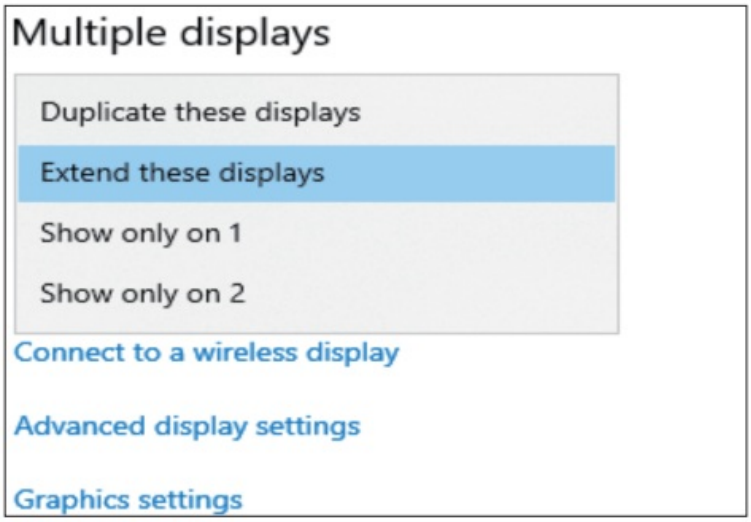
Display Mode Setting

For Windows Users



1. Right-click at any spot on your desktop and select "Display settings".

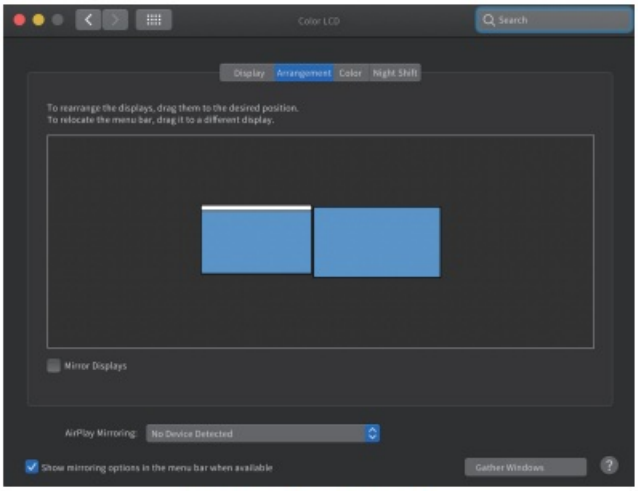
2. On “Display”, please select either monitor 1 or monitor 2.



3. Scroll down to the “Multiple displays”, and select the mode in the drop-down list that is fit for your need.

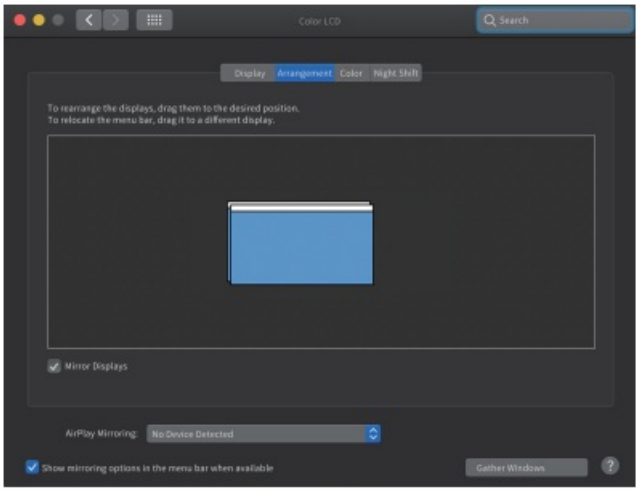
For MacOS Users

1. Select “System Preferences” and choose “Displays”.



Extended Mode

2. Click on “Arrangement” to change the position of displays currently connected.

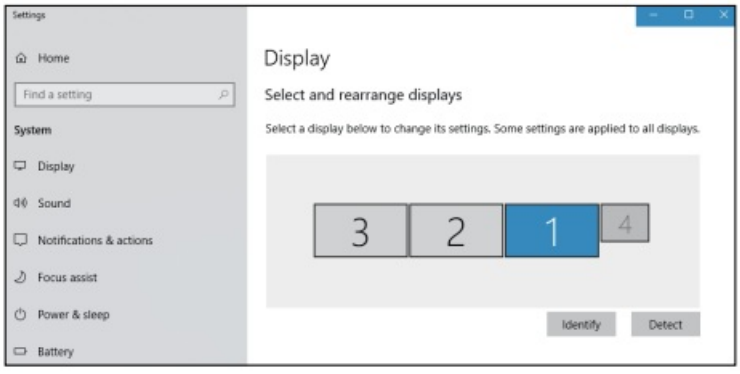


Mirror Mode

3. Select either extend or mirror mode on your demand.

Q & A

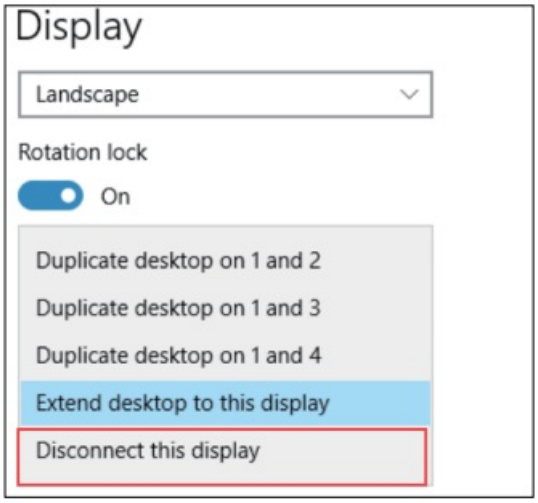
1. **Q1.** How to figure out the maximum resolution (DP1.2/DP1.4) my laptop supports?
    1. **A1.** Firstly check the Graphics card version of your laptop:
        - *Find “display adapter” in “Device Manager”.
    2. Check the information of Intel processors for details
        - **https://www.intel.com/content/www/us/en/support/products/80939/graphics-drivers.html**
2. **Q2.** Why doesn’t my third monitor display when I set the triple display mode?
    1. **A2. Step 1:** Choose the main display
        1. Right-click to select “Display settings”.



2. Choose a monitor display and scroll down to “Multiple displays”.

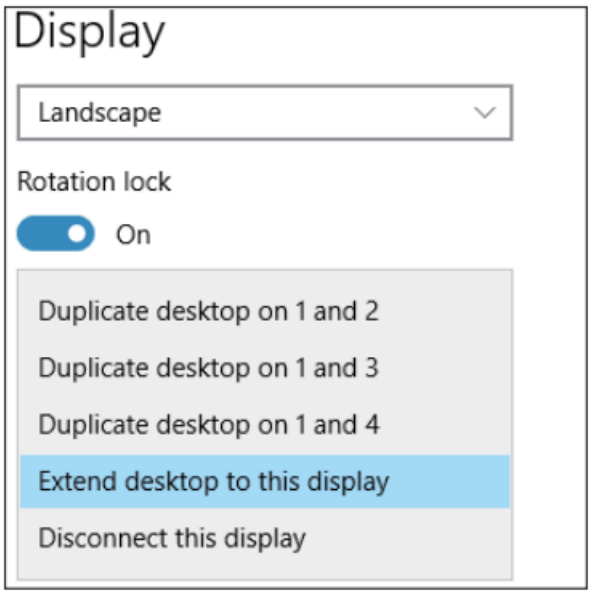
3. Mark “Make this my main display”.

2. **Step 2:** Disconnect laptop display



1. Select the laptop display (“1” is the default display for the laptop) and scroll down to “Multiple displays”.
2. Select “Disconnect this display”, then the laptop display panel will become disconnected.

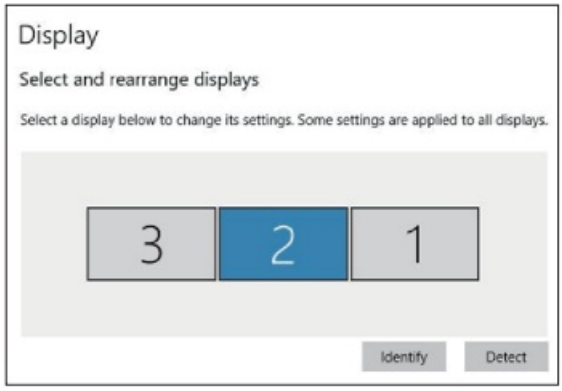
3. **Step 3:** Turn on the third monitor display



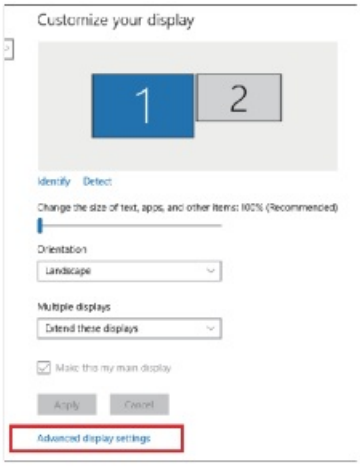
1. Choose the remaining monitor display, then scroll down to “Multiple displays”.
2. Select “Extend desktop to this display” to enable this display.

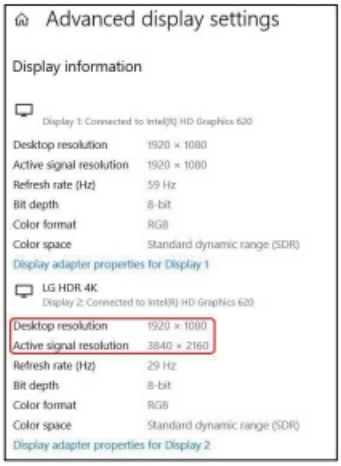
3. **Q3:** Why are my 2K and 4K monitor display abnormal when I set dual or triple display mode?
   1. **A3.** The resolution of some branded monitors cannot be adjusted automatically, the “Active signal resolution” of which is different from Windows setting “Desktop resolution”, hence you better set the resolution at the same value.

2. Right-click and select “Display settings”.

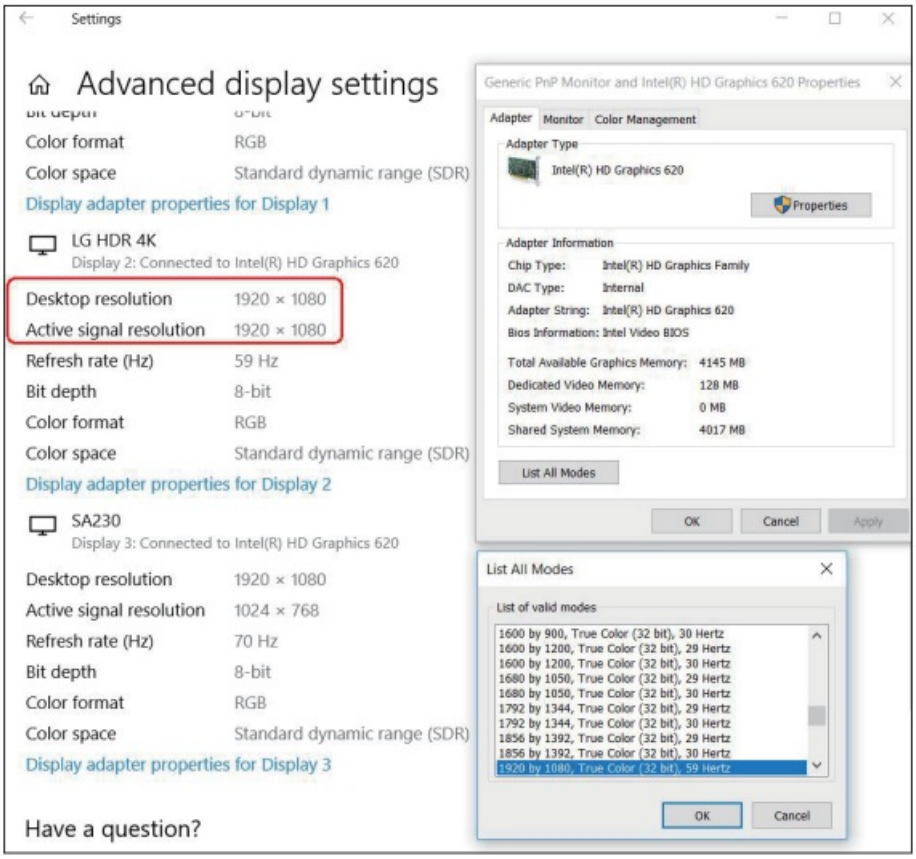


3. Select your monitor display and click on it, then scroll down to select “advanced settings”.





4. Check if resolution values of each monitor on “Desktop resolution” and “Active signal resolution” are the same.



5. Click on “Display adapter properties for Display 2” and lower the resolution to the right value if two values are different.

4. **Q4.** Why does it show “slow charging” on my laptop?

- **A4.** Some users may notice that the charging status shows “slow charging”, this is because some series of laptop have protection protocol, especially laptops that have both Thunderbolt 3 port and over 100W external DC power adapter. Please solve it by using laptop provided an external power adapter to charge.

5. **Q5.** What is High Dynamic Range (HDR)?
    - **A5.** High Dynamic Range (HDR) creates much more lifelike experiences by allowing bright objects such as lights and highlights glinting off shiny objects to be displayed much more brightly than other objects in the scene. HDR also allows for more details in dark scenes. True HDR playback is not yet available on the built-in displays of laptops and tablets, many of TVs and PC monitors start to build in HDR-10 with HDCP2.2 to supporting. Some of the key HDR content sources today are
        - Streaming HDR (e.g. YouTube*) & Streaming premium HDR (e.g. Netflix*)
        - Local HDR Video Files
        - ULTRA HD Blu-ray*
        - HDR games//
        - HDR content creation apps

Also, if you need to stream HDR contents with applications like Netflix and YouTube, make sure in Windows 10 “Stream HDR Video” setting is “on” in the ‘Video playback’ settings page.

Notice: When using on an Apple computer with an M1 chip, there is no sound output from the Displayport interface, and subsequent OS updates may solve this problem.

More Information

- **Official website:** www.wavlink.com
- **Technical support:** support@wavlink.com
- **WAVLINK:** (@WavlinkOfficial)
- **WAVLINK SUPPORT:** (@WavlinkTechSupport)

Documents / Resources

	WAVLINK WL-UMD03 USB-C Triple Display Docking Station [pdf] User Guide WL-UMD03 USB-C Triple Display Docking Station, WL-UMD03, USB-C Triple Display Docking Station, Display Docking Station, Docking Station

References

- Home and Business Networking Equipment &Wireless Audio and Video Transmission Equipment - Home and Business Networking Equipment &Wireless Audio and Video Transmission Equipment - wavlink.com
- Intel Support