WAVLINK

see the world

USB-C 8K@30Hz/4K@144Hz Triple Display Docking Station

Model: WL-UMD05MR Pro

@WavlinkOfficial

@WavlinkTechSupport

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About This Guide

This guide serves as a companion to the Quick Installation Guide for your wired USB product. The Quick Installation Guide provides essential steps for immediate setup, while this document offers detailed explanations of product features and advanced configuration options.

Please note that product functionality may vary slightly depending on your specific model, software version, geographic region, language, and connected devices. Screenshots, parameters, and descriptions in this guide are for illustrative purposes only.

Conventions

In this guide the following conventions are used :

Convention	Description
Underlined	Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.
Teal	The content and text that needs to be emphasized on the web page is the theme color `#1D428A` , including menus, items, buttons, etc.
Note:	Critical reminders to prevent operational errors or functionality issues.
Tips:	Best practices or optimization suggestions for enhanced performance.

More Info

The latest driver, firmware and utilities are available from the Download Center at **WAVLINK SUPPORT** .

Included in your product packaging or available digitally via the link above.

If you encounter any issues, please don’t hesitate to email **contact@wavlink.com**/**techsupport@wavlink.com**/**postsales@wavlink.com** to provide feedbacks or contact online customer service, thank you !

Performance Disclaimer

The maximum transfer speeds stated for this product are based on theoretical limits of USB specifications (e.g., USB 2.0/3.0/3.1 Gen 1/Gen 2). Actual performance may vary due to:

Device limitations: Host system performance, driver compatibility, and connected device capabilities.

Environmental factors: USB cable quality, length, electromagnetic interference, and port power delivery.

Network/software conditions: Operating system overhead, background processes, and concurrent data transfers.

Wired connections are generally more stable than wireless alternatives, but performance is not guaranteed and depends on the factors listed above.

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.

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 an obvious sign of breakage.

The equipment has not been working well or you cannot get it work according to Quick start Guide.

Copyright Statement

No part of this publication may be reproduced in any form by any means without the prior written permission.

Other trademarks or brand names mentioned herein are trademarks or registered trademarks of their respective companies.

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 eauipment, or returned to the supplier for disposal.

Chapter 1 Basic Information

This chapter introduces the docking station's features, appearance, and some basic information.

It contains the following sections :

•Specification

•In the Box

•System Requirement

•Overview

Specification

- One DP and two HDMI work for triple video output, supporting single DP Max. 4K@144Hz/8K@30Hz or dual 4K@60Hz.
- One PD3.0 USB-C upstream port provides 100W upstream charging for the laptop.
- Two USB-C transfer speed up to 10Gbps, and are backward compatible with USB 3.0/2.0.
- Four USB-A transfer speed up to 5Gbps, one of them supports BC1.2 fast charging, and are compatible with USB 2.0/1.1.
- One 2.5Gbps LAN port for a stable and fast wired network, and is backward compatible with 1000/100/10Mbps network.
- One 3.5mm 4-pole jack for audio output and input.

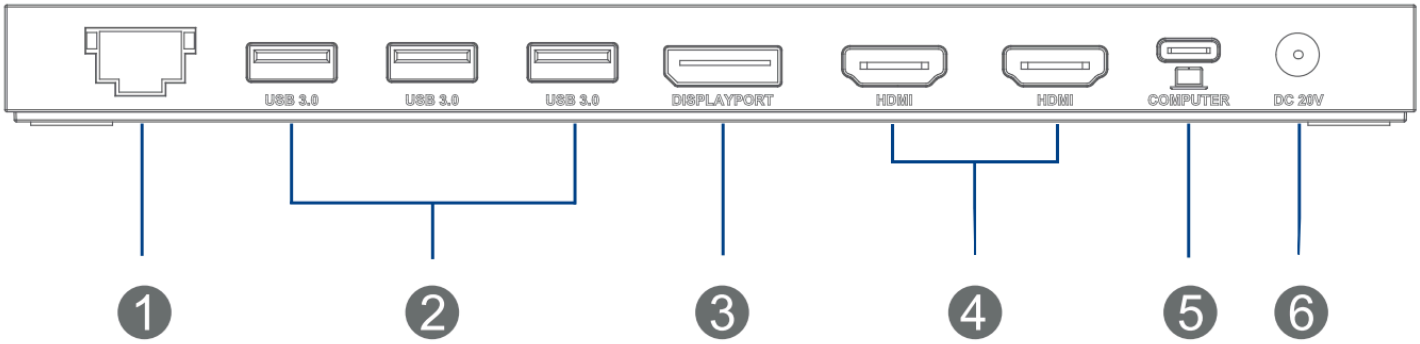
In the Box

- 1 x USB-C 8K@30Hz/4K@144Hz Triple Display Docking Station
- 1 x USB-C to USB-C 1m Cable (E-mark)
- 1 x 20V/6.5A Power Adapter (130W)
- 1 x AC Power 1.5m Cable
- 1 x Quick Start Guide

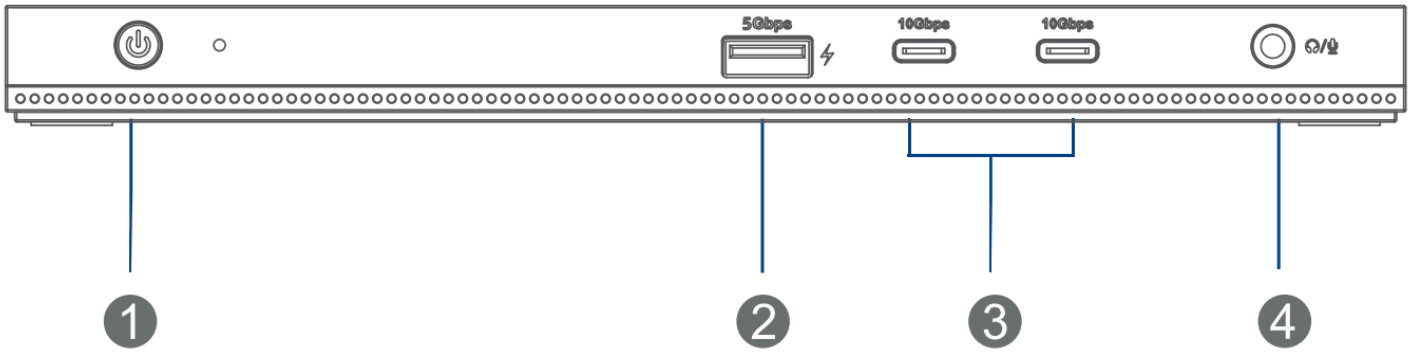
System Requirement

- Windows 10/11
- MacOS 10.15 or later (Can extend a different display ONLY)
- Requires that laptop supports PD 3.0
- Laptop with full-functional USB-C port (Power Delivery + DisplayPort Alt Mode + Data Transfer)

Overview



1.2.5G Ethernet port
2.5Gbps USB-A port
3.DisplayPort
4.HDMI port
5.Upstream USB-C port
6.DC IN (20V/6.5A)



1.Power button
2.5Gbps USB-A with BC1.2 charging
3.10Gbps USB-C
4.3.5mm 4-pole jack

Chapter 2 How to Use

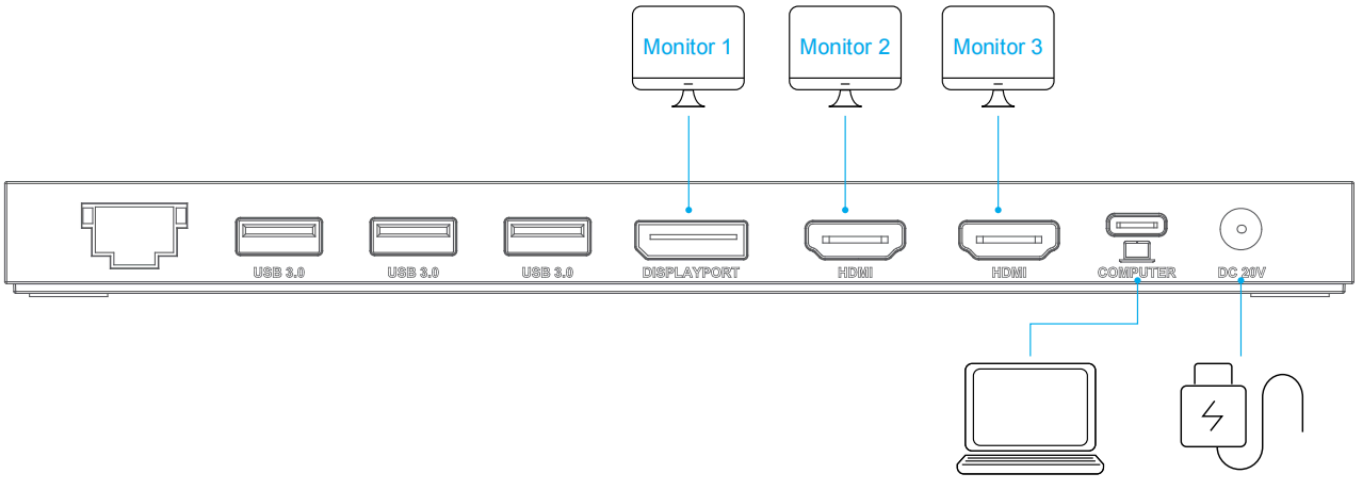
How to Use

Step 1. Before connecting to the Dock, please ensure the USB-C port of the PC/Laptop supports PD and DP ALT MODE. Failure to meet this requirement will result in non-functional charging and video ports.

Step 2. Connect the DC IN Port to a compatible power source. Press the power button; the LED indicator will illuminate blue.

Step 3. Connect the upstream USB-C port to your host PC/laptop.

Step 4. Connect your monitor(s) to the video ports. You may then configure the display modes as needed.



Chapter 3 Display Resolution and Display Setting

This chapter introduces this docking station's display resolution and display setting.

It contains the following sections:

- Display Resolution
- Display Setting

Display Resolution

Single Display

<table>
<tr><td></td><td></td><td>DP</td><td>HDMI1</td><td>HDMI2</td></tr>
<tr><td rowspan="3">Windows</td><td>DP 1.2</td><td colspan="3">3840x2160@30Hz</td></tr>
<tr><td>DP 1.4</td><td colspan="3">3840x2160@60Hz</td></tr>
<tr><td>DP 1.4 & DSC</td><td>7680x4230@30Hz or
3840x2160@144Hz</td><td colspan="2">3840x2160@60Hz</td></tr>
<tr><td rowspan="3">Mac</td><td>DP 1.2</td><td colspan="3">3840x2160@30Hz</td></tr>
<tr><td>DP 1.4</td><td colspan="3">\</td></tr>
<tr><td>DP 1.4 & DSC</td><td colspan="3">3840x2160@144Hz</td></tr>
</table>

Dual Display

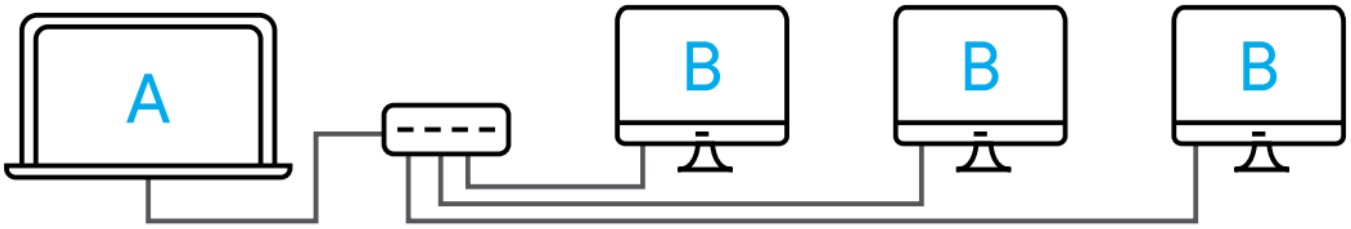
		DP+HDMI 1/HDMI 2	HDMI 1+HDMI 2
Windows	DP 1.2	2 x 1920x1080@60Hz	
	DP 1.4	3840x2160@30Hz + 1920x1080@60Hz	
	DP 1.4 & DSC	3840x2160@75Hz + 3840x2160@60Hz	2 x 3840x2160@60Hz
Mac	DP 1.2	2 x 3840x2160@30Hz	
	DP 1.4	\	
	DP 1.4 & DSC	2 x 3840x2160@60Hz	

Triple Display

		DP+HDMI 1+HDMI 2
Windows	DP 1.2	1920x1080@60Hz + 1920x1080@24Hz + 1600x900@60Hz
	DP 1.4	3 x 1920x1080@60Hz
	DP 1.4 & DSC	1x3840x2160@60Hz + 2x3840x2160@30Hz
Mac	DP 1.2	3 x 3840x2160@30Hz
	DP 1.4	/
	DP 1.4 & DSC	3 x 3840x2160@60Hz

NOTE

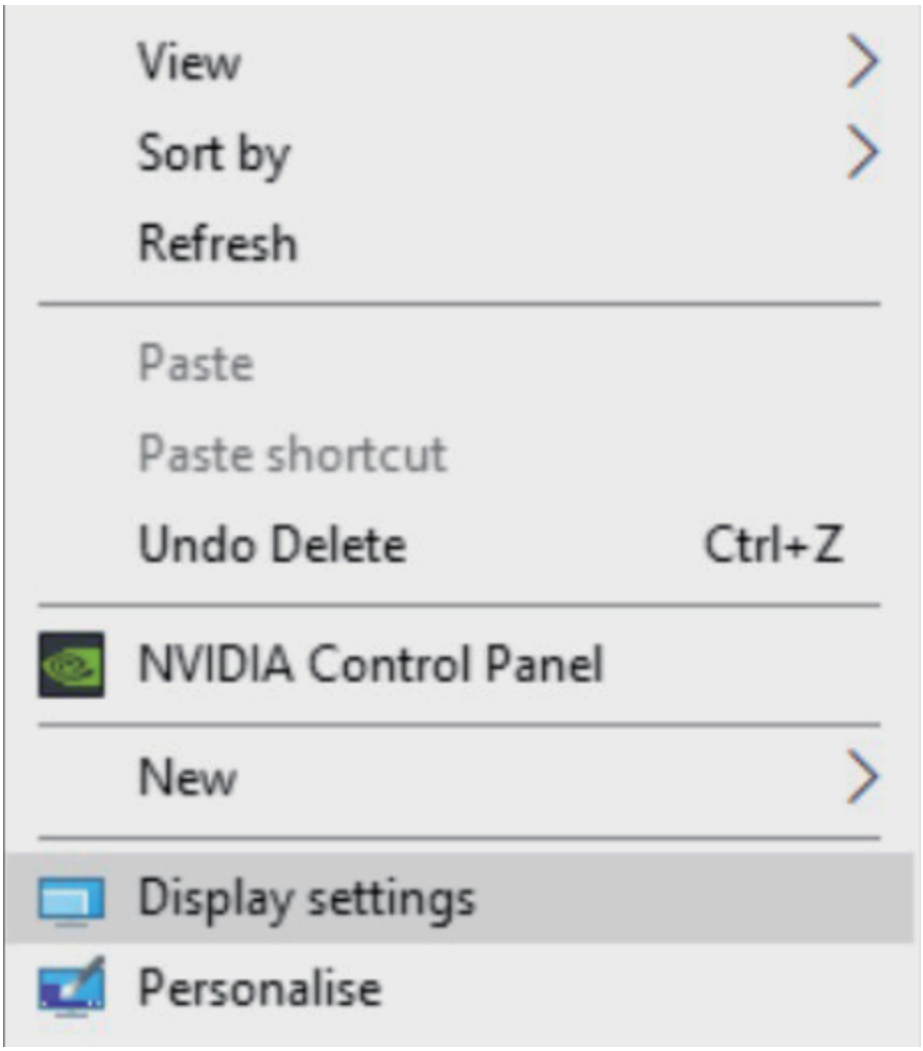
- The above resolutions are factory test results; The resolution may be different depending on the actual situation of the computer and monitor.
- If you want to use the 3 displays with your PC/laptop simultaneously, please make sure that the Graphics card supports at least 4 displays, including your PCs own screen. Check with your PC manufacturer on this.
- Mac OS supports single-stream transport, so only one video source can be output, such as ABBB (A is the primary display).



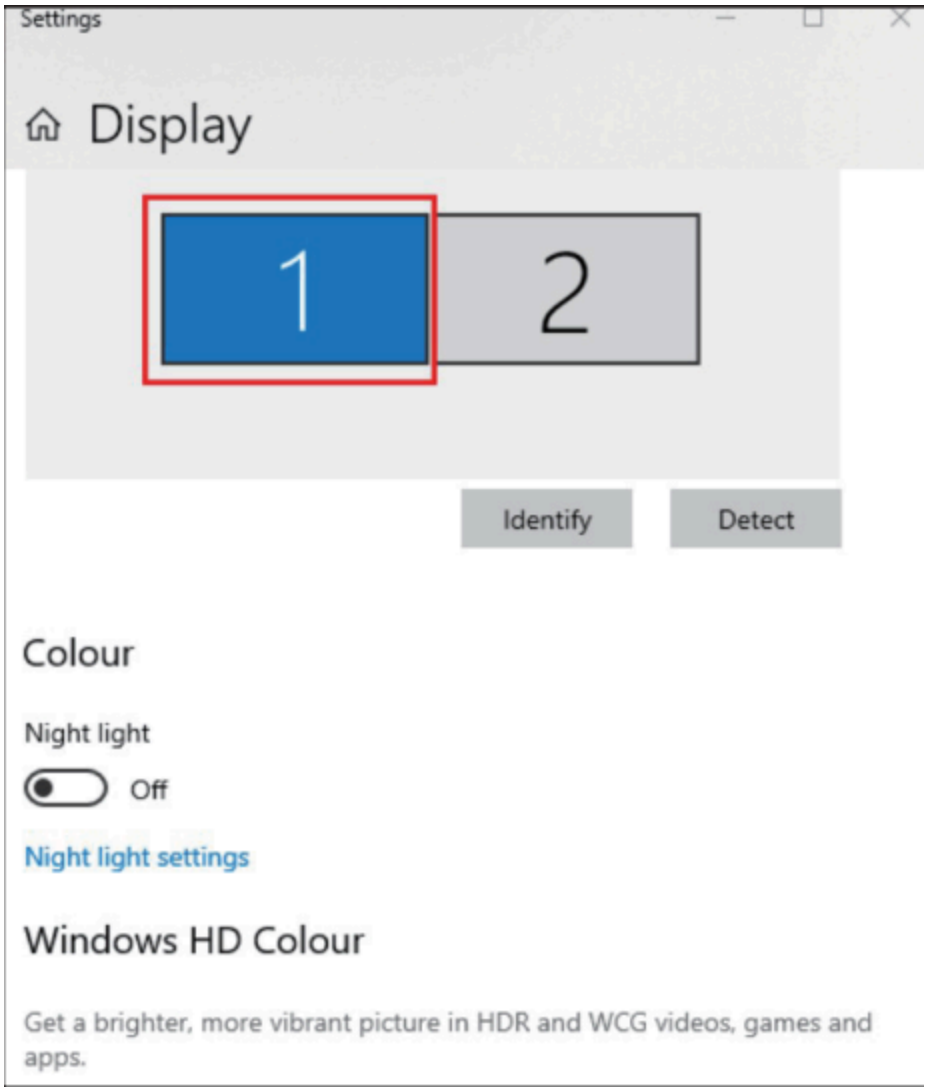
Display Setting

For Windows Users

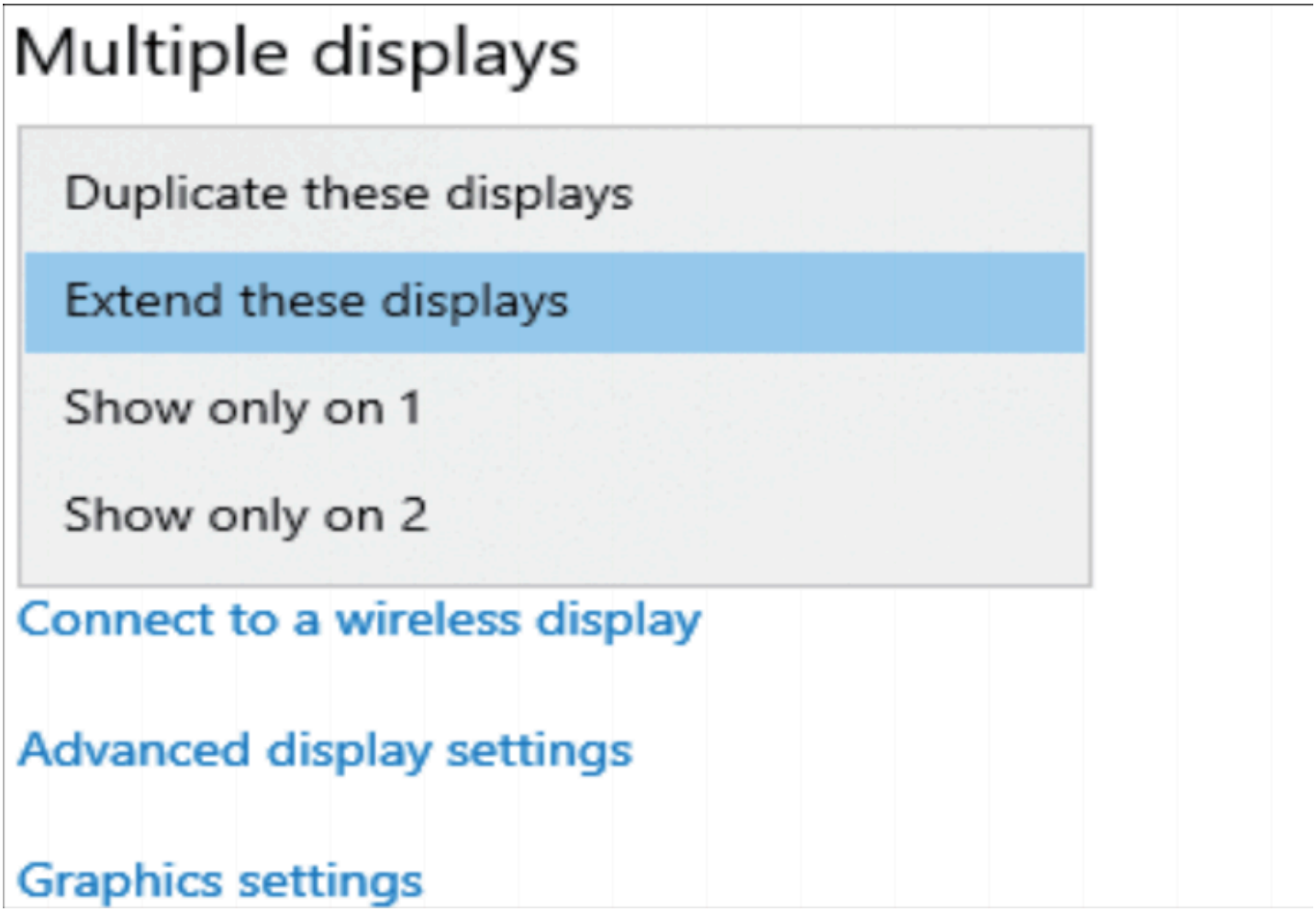
1.Right-click at any spot on your desktop and select "**Display settings**".



2.In "**Display**", please select either monitor 1 or monitor 2.



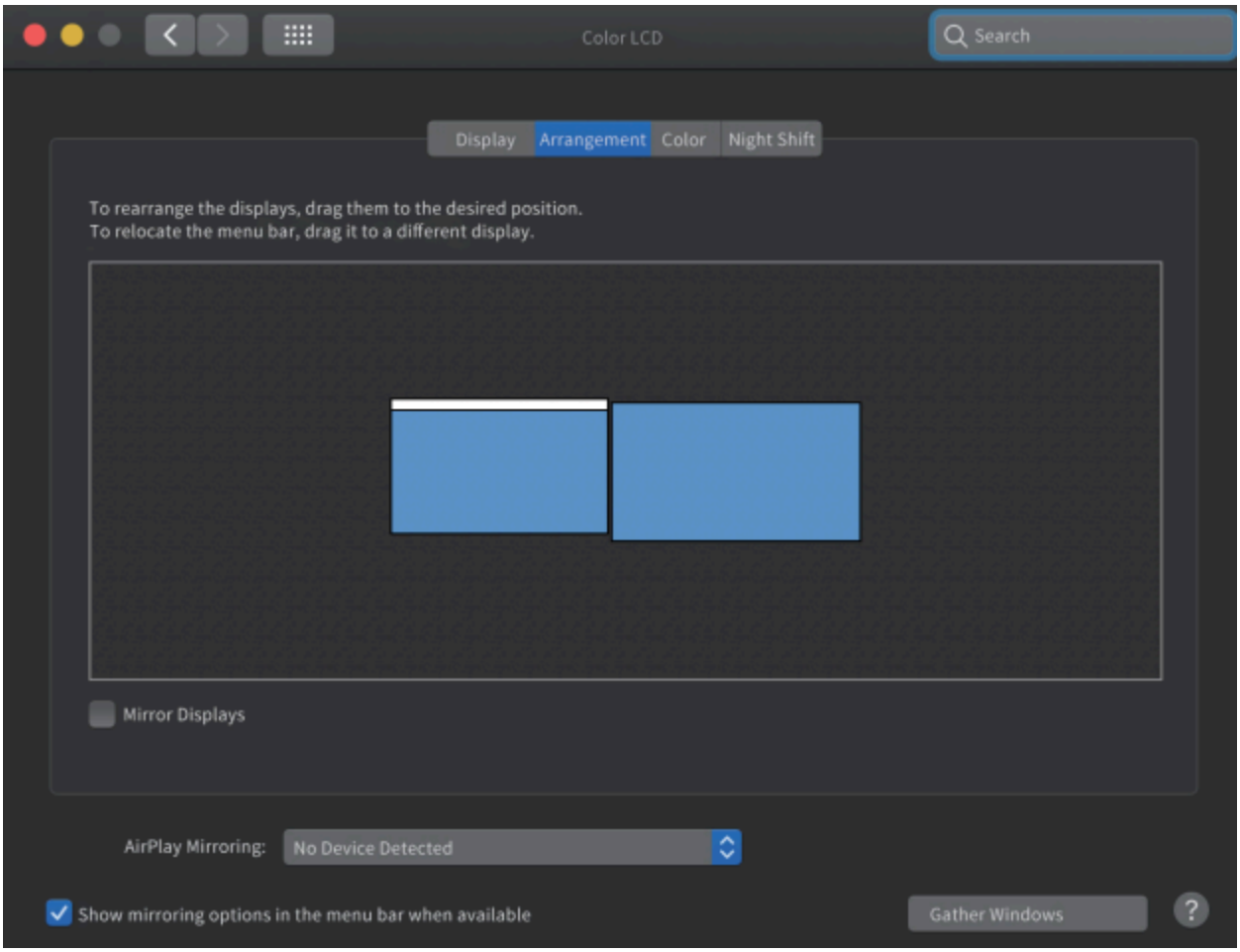
3.Scroll down to the "**Multiple displays**", and select the mode in the drop-down list that is fit for your need.



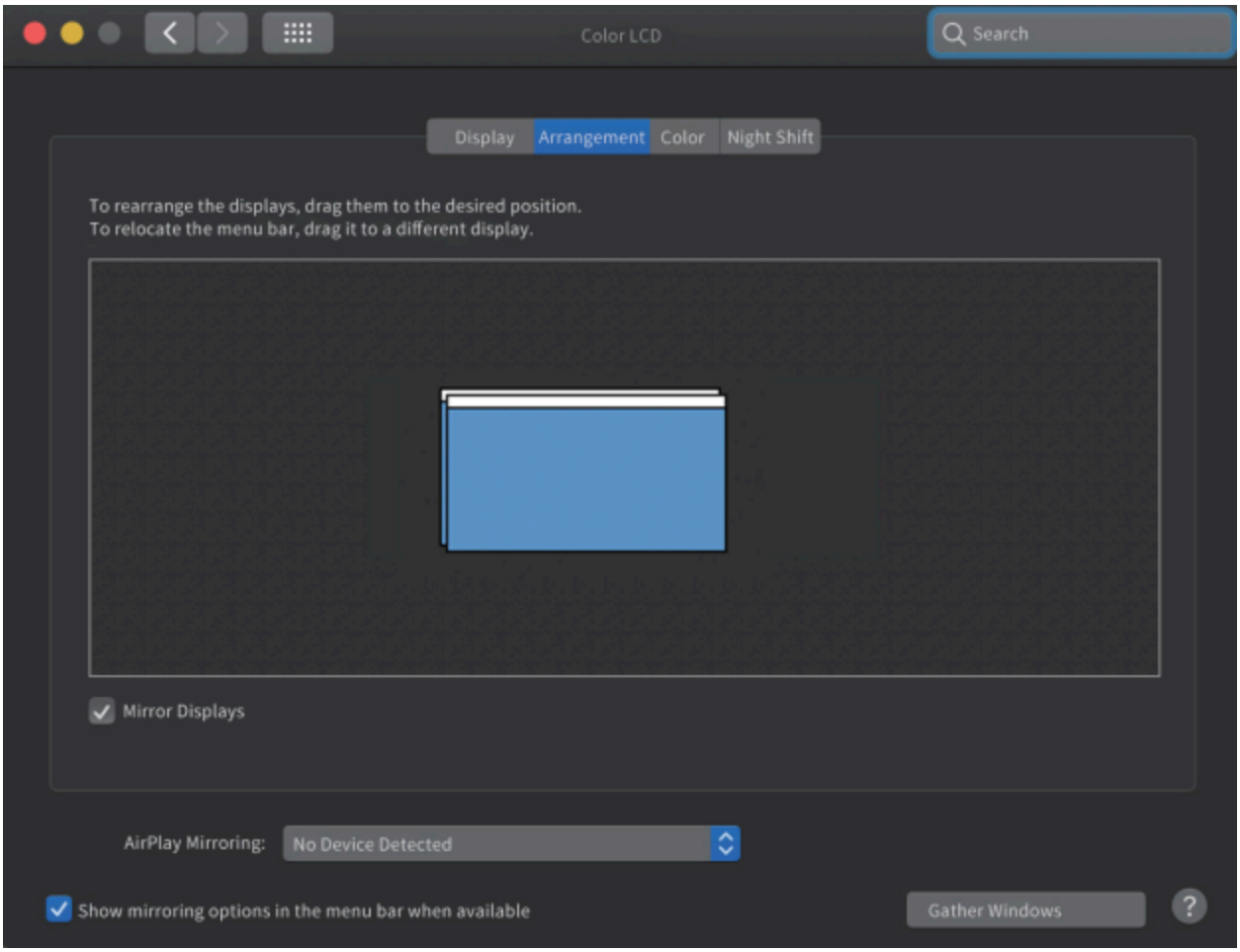
For Mac OS Users

1.Select "**System Preferences**" and choose "**Displays**".

2.Click on "**Arrangement**" to change the position of displays currently connected.



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


Color LCD
Search
Display
Arrangement
Color
Night Shift
To rearrange the displays, drag them to the desired position.
To relocate the menu bar, drag it to a different display.
Mirror Displays
AirPlay Mirroring:
No Device Detected
Show mirroring options in the menu bar when available
Gather Windows
?

Chapter 4 FAQ

This chapter introduces the FAQ and aftersale service.

It contains the following sections :

•FAQ

•Aftersale Service

FAQ

Q1. What should I do if the monitors connected to the docking station do not work?

A1. Please make sure that the USB-C port on your laptop supports video output. Not all USB-C ports have this capability.

Q2. Why do my external monitors show the same content when I connect the WAVLINK device to my MacBook?

A2. This is expected behavior due to a limitation in macOS. macOS does not fully support MST, so the external monitors may mirror each other instead of extending independently.

Q3. Why isn't my laptop charging when I connect the power adapter to the hub?

A3. Please make sure that the USB-C port on your laptop supports charging. Not all USB-C ports support this function.

Q4. When I connect three monitors to the docking station, one monitor does not turn on. What should I do?

A4. Please make sure that your GPU supports 4 displays (including the built-in laptop screen), as not all GPUs can support 4 displays simultaneously. If your GPU supports a

maximum of 3 displays, try closing the laptop lid to enable all three external monitors.

If you encounter any issues, feel free to contact our support team.

Aftersale Service