

# **WAVLINK**



see the world

**USB-C Triple Display Docking**

**Model: WL-UMD302**

**@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                                                                                                                                |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <u>Underlined</u> | Underlined words or phrases are hyperlinks. You can click to redirect to a website or a specific section.                                  |
| <b>Teal</b>       | The content and text that needs to be emphasized on the web page is the theme color <b>#1D428A</b> , 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](mailto:contact@wavlink.com) / [techsupport@wavlink.com](mailto:techsupport@wavlink.com) / [postsales@wavlink.com](mailto: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**

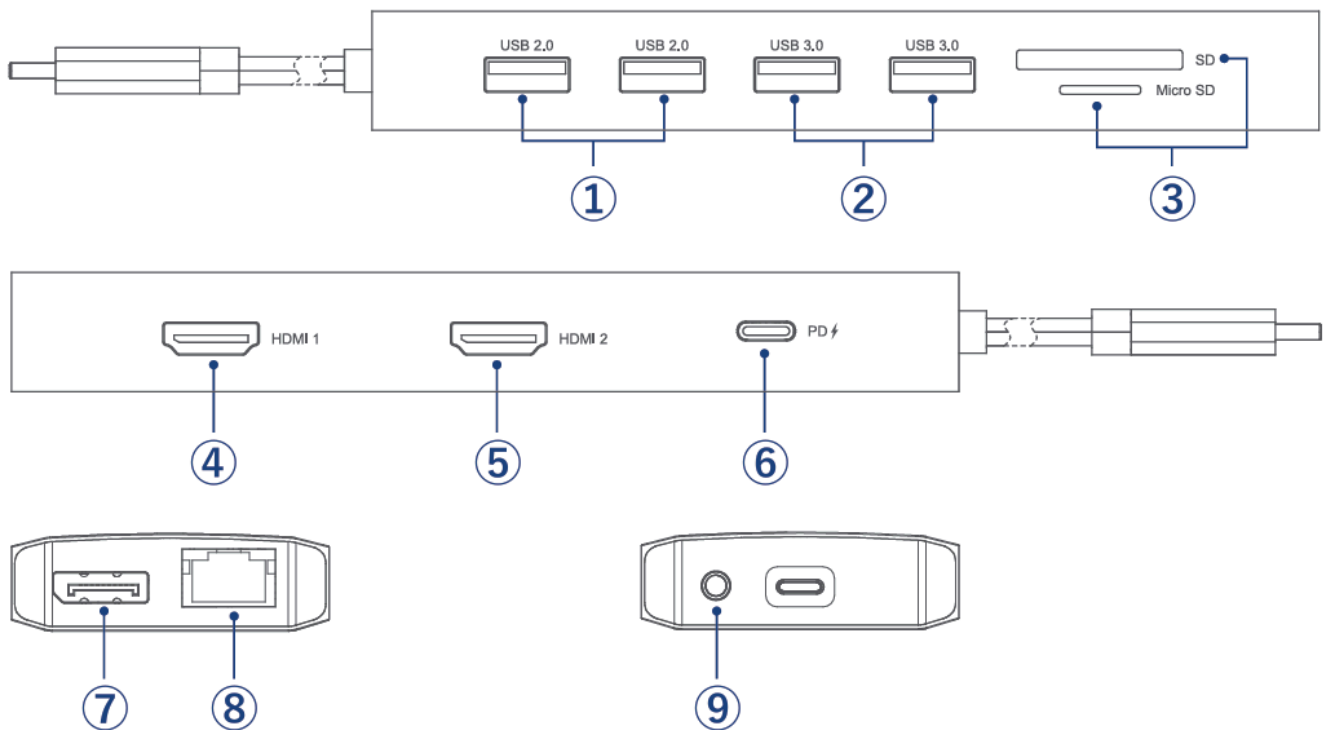
At the end of its serviceable life, this product should not be treated as household or general waste. It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment, or returned to the supplier for disposal.



# Chapter 1 Overview

- [Overview](#)
- [Introduction](#)
- [Features](#)
- [System Requirements](#)
- [In the Box](#)
- [Tips](#)

## Overview



- ① **USB 2.0**
- ② **USB 3.0**
- ③ **SD/Micro SD**
- ④ **HDMI 1 (4K@60Hz)**
- ⑤ **HDMI 2 (4K@60Hz)**
- ⑥ **USB-C ( PD IN 100W)**
- ⑦ **DisplayPort (4K@144Hz)**

⑧ **Gigabit RJ45 Ethernet**

⑨ **4-pole Audio/Mic**

## Introduction

This triple display docking station can help your laptop connect with different devices simultaneously. Connect HDMI screens or DP screen to corresponding ports relatively and you can view HD images. SD/Micro SD card reader slots offer more choices to process data. Gigabit Ethernet facilitates your browsing experience.

## Features

- Compatible with laptop or smartphone with USB-C port of full function with Data Transfer, USB-C Power Delivery and DP Alt Mode.
- Two USB 3.0 ports transfer speed up to 5Gbps, and are backward compatible with USB 2.0/1.1 devices.
- Two USB 2.0 ports transfer speed up to 480Mbps.
- Support SST/MST.
- Three video ports (HDMI 1+HDMI 2+DP) for triple display.
- The USB-C port provides upstream devices with 100W power delivery, whereas maximum 85W PD to the laptop.
- Max Ethernet speed: 1000Mbps.
- SD/Micro SD card reader slots.
- Audio out & Mic in 3.5mm jack.

## System Requirements

- Microsoft Windows 7/8/10/11
- Apple Mac OS 10.8 or later (Can extend a different display ONLY)
- Android
- Requires your computer/smartphone has at least one USB-C port with full-function

## In the Box

- 1 × USB-C Triple Display Docking
- 1 × Quick Start Guide

## Tips

1. It would be better to connect a USB-C power adapter to its built-in USB-C PD port to avoid insufficient load capability.
2. HDMI and DP Ports: Only can be used when the USB-C port of your host device(laptop/smartphone/tablet) can output video.
3. USB-A port is not compatible with Apple SuperDrive/Nintendo and it is not recommended that you charge a tablet or iPad through it.
4. Some laptops may have a limitation on power output and it is recommended that you only connect an HDD/SSD external hard drive at a time.
5. For security, please use the adapter or cable that is original or owns a third-party certification to charge your laptop.



# Chapter 2 How to Connect

This chapter contains the following sections:

- [Video Guide](#)
- [How to Connect](#)

## Video Guide

Please scan the QR code or visit the link to watch the installation video.

- From Official Website: [https://www.wavlink.com/en\\_us/video/53cfab1869.html](https://www.wavlink.com/en_us/video/53cfab1869.html)



## How to Connect

1. Connect the dock to a compatible laptop or smartphone via USB-C male.
2. Connect the HDMI monitor to the dock with an HDMI cable.
3. Connect the DisplayPort monitor to the dock with DisplayPort cable.
4. Now you can see the user interface in the screens.
5. Insert the USB-disk into USB 3.0 or USB 2.0 ports to transfer data.

6. Insert the SD or Micro SD cards into slots relatively to read and write data.
7. Connect the USB-C Power adapter to USB-C Power Delivery Port to charge your device.

# Chapter 3 Display Resolution

| Scenarios       | Systems          | Connected with DP1.4 & DSC1.2 Computer        | Connected with DP1.4 (no DSC1.2) Computer     | Connected with DP1.2 Computer                 |
|-----------------|------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
| Single Display  | Windows (Extend) | HDMI1:4K@60Hz<br>HDMI2:4K@60Hz<br>DP:4K@144Hz | HDMI1: 4K@60Hz<br>HDMI2:4K@60Hz<br>DP:4K@60Hz | HDMI1: 4K@30Hz<br>HDMI2:4K@30Hz<br>DP:4K@30Hz |
|                 | MacOS (Mirror)   | HDMI1:4K@60Hz<br>HDMI2:4K@60Hz<br>DP:4K@144Hz | HDMI1:4K@60Hz<br>HDMI2:4K@60Hz<br>DP:4K@60Hz  | HDMI1:4K@30Hz<br>HDMI2:4K@30Hz<br>DP:4K@30Hz  |
| Dual Displays   | Windows (Extend) | 4K@60Hz<br>+<br>4K@60Hz                       | 4K@30Hz<br>+<br>1080P@60Hz                    | 1080P@60Hz<br>*2                              |
|                 | MacOS (Mirror)   | 4K@60Hz                                       | 4K@60Hz                                       | 4K@30Hz                                       |
| Triple Displays | Windows (Extend) | 4K@60Hz<br>+<br>4K@30Hz<br>+<br>4K@30Hz       | 1080P@60Hz<br>*3                              | 1600x900@60Hz<br>*3                           |
|                 | MacOS (Mirror)   | 4K@60Hz                                       | 4K@60Hz                                       | 4K@30Hz                                       |

**NOTE**

- 4K refers to 3840 x 2160
- Mac OS is Single-Stream Transport mode, so only one video source can be output such as ABB or ABBB(A is the primary display).



# Chapter 4 Driver Installation

For Windows 10/11/Later and MAC OS, it is Plug and Play, so no Driver installation is needed. If the Network port of this Dock can't be recognized, please visit [www.wavlink.com](http://www.wavlink.com) > SUPPORT > Driver > PC Peripherals > WL-UMD302-C to download and manually install the Driver.

1. This Dock requires the Laptop/PC to support PD and DP ALT Mode. Before connecting to the Dock, please ensure the USB-C interface of the PC/Laptops supports PD and DP ALT Mode, if it does not work, please check Q&A: Q5 for details.
2. Connect the USB-C connector of the dock to your host PC/Laptops.
3. Connect your monitor(s) to video ports of the dock then you can proceed to configure the display modes.
4. Plug the power adapter of the dock in a power outlet.

# Chapter 5 Display Setting

This chapter introduces the steps of display setting

- [For Windows](#)
- [For Mac OS X12 or Below](#)
- [For Mac OS X13](#)

Before configuring the settings, please make sure this docking station has been connected to your laptop and monitors correctly.

## For Windows

1. Right-click at any spot on your desktop→ **Display settings**.

View



Sort by



Refresh

---

Paste

Paste shortcut

Undo Copy

Ctrl+Z

---

New

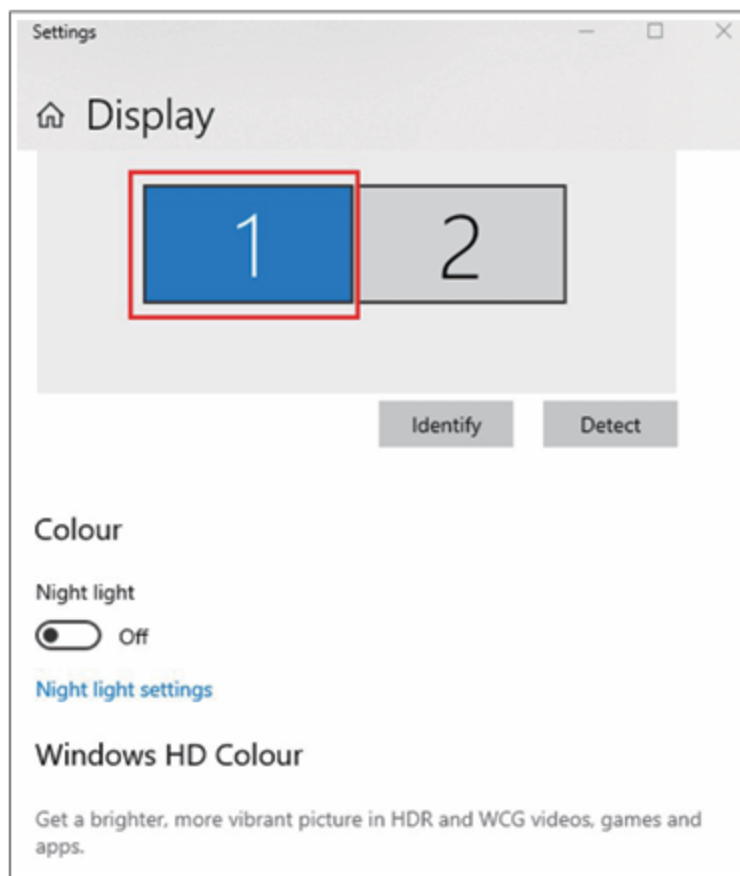


Display settings

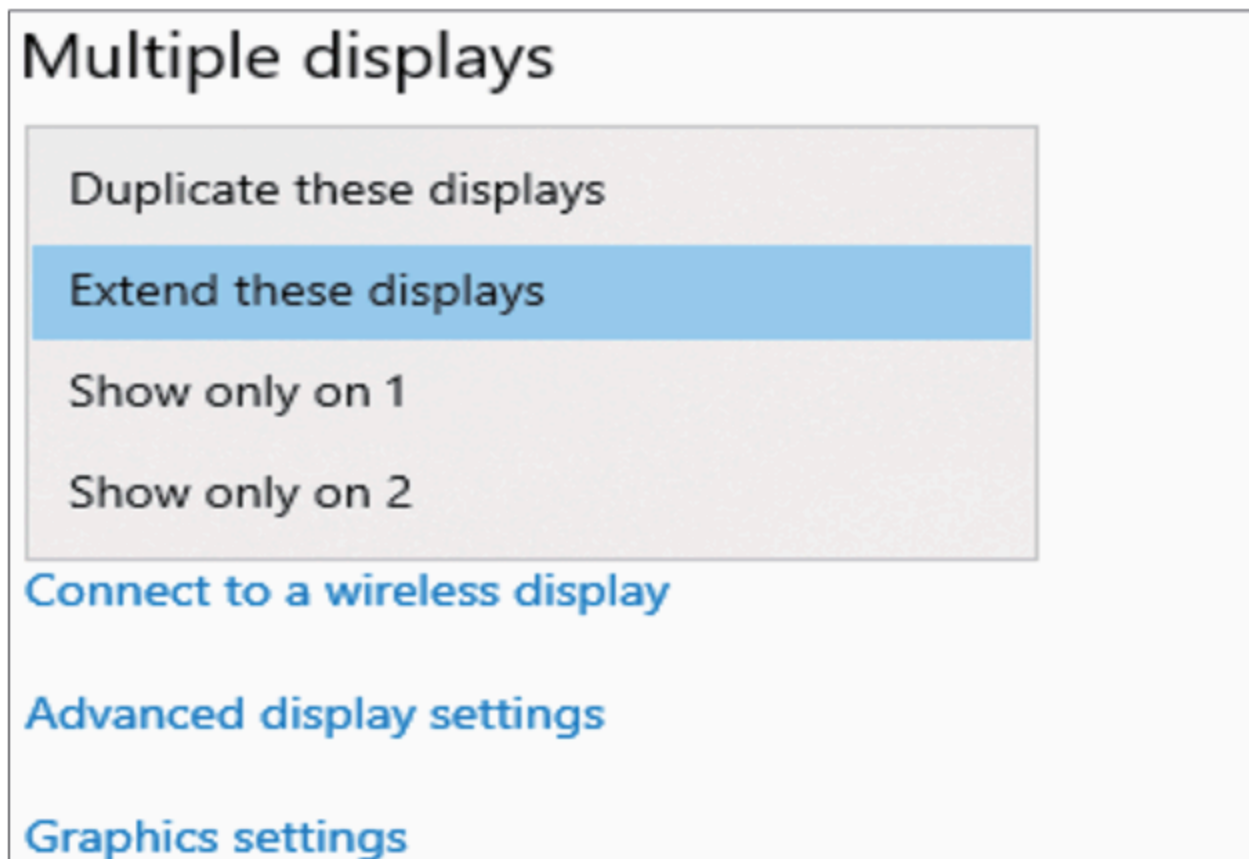


Personalize

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

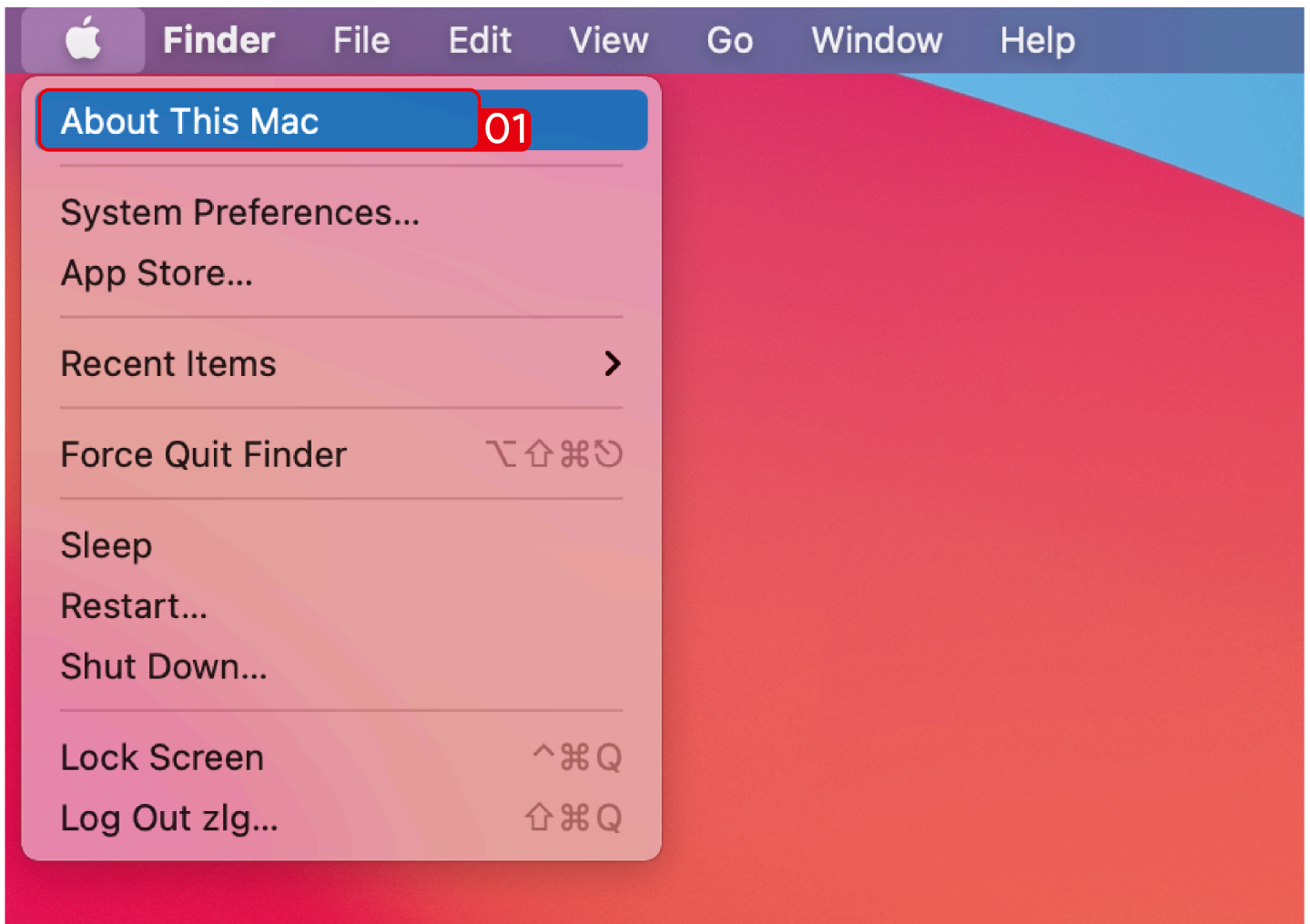


3. Scroll down to the **Multiple displays**, and select the mode in the drop-down list that fits for your needs.



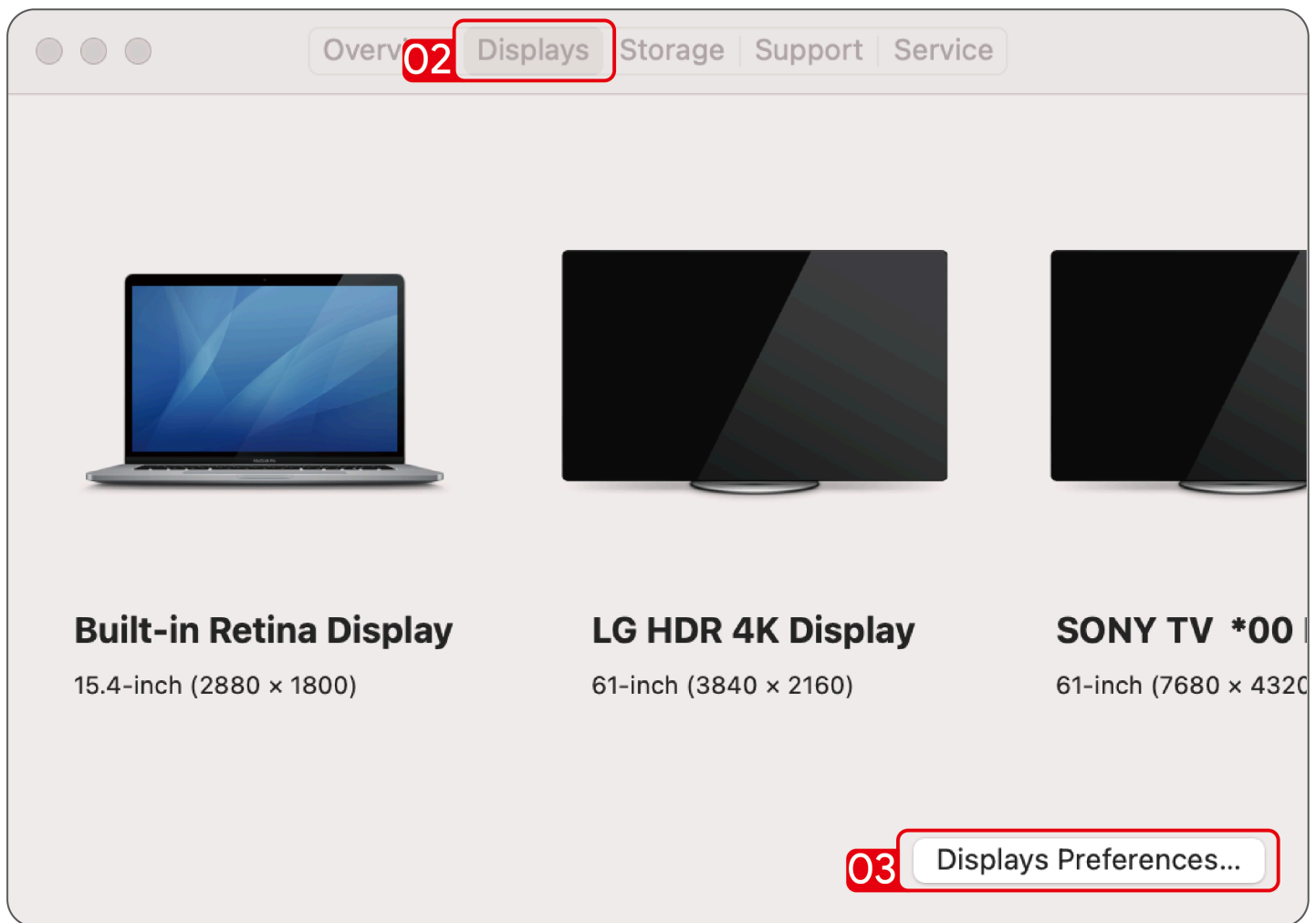
# For Mac OS X12 or Below

1. Click **Apple** icon→ **About This Mac**.

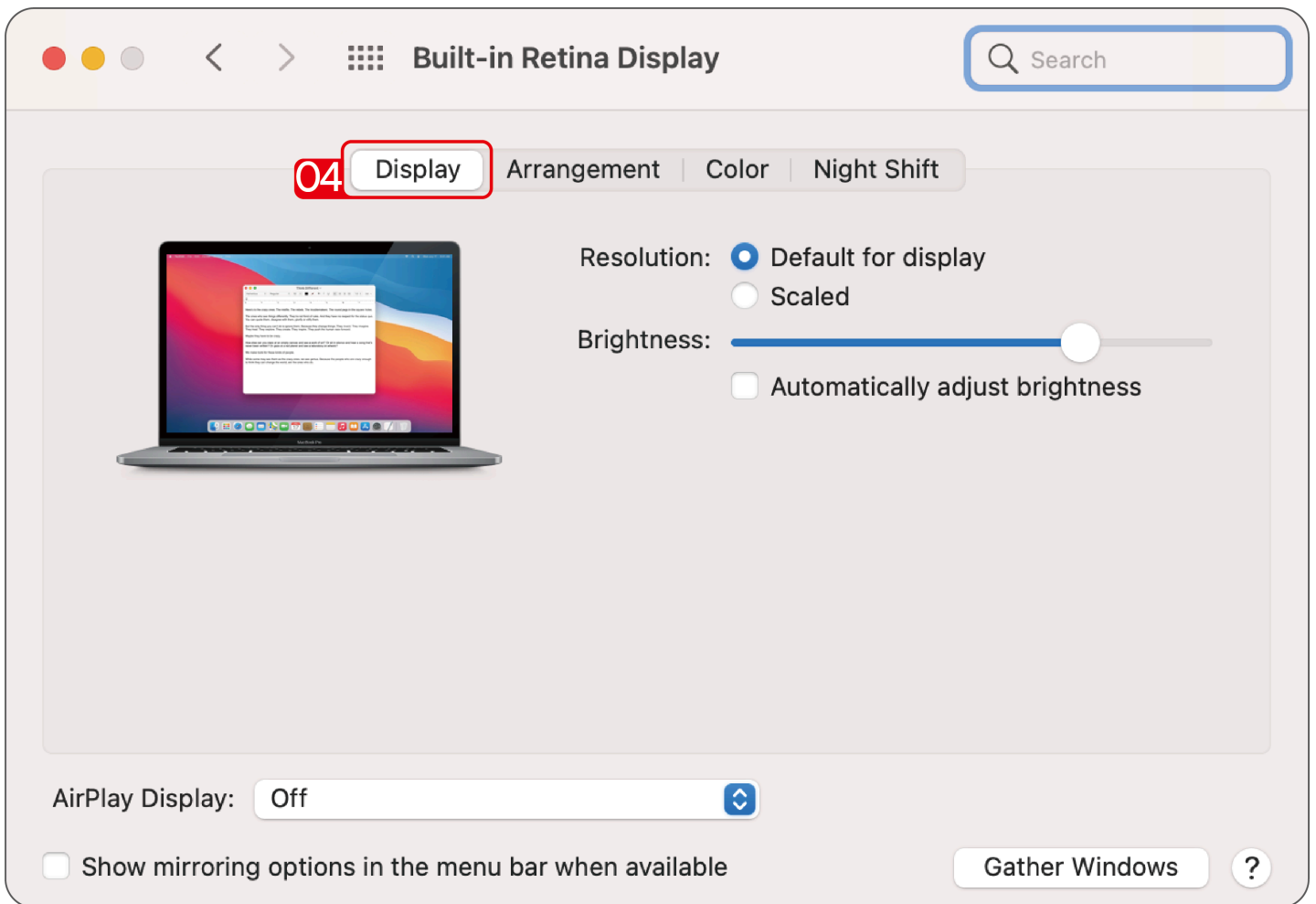


2. Click **Displays** → **Displays Preferences**.

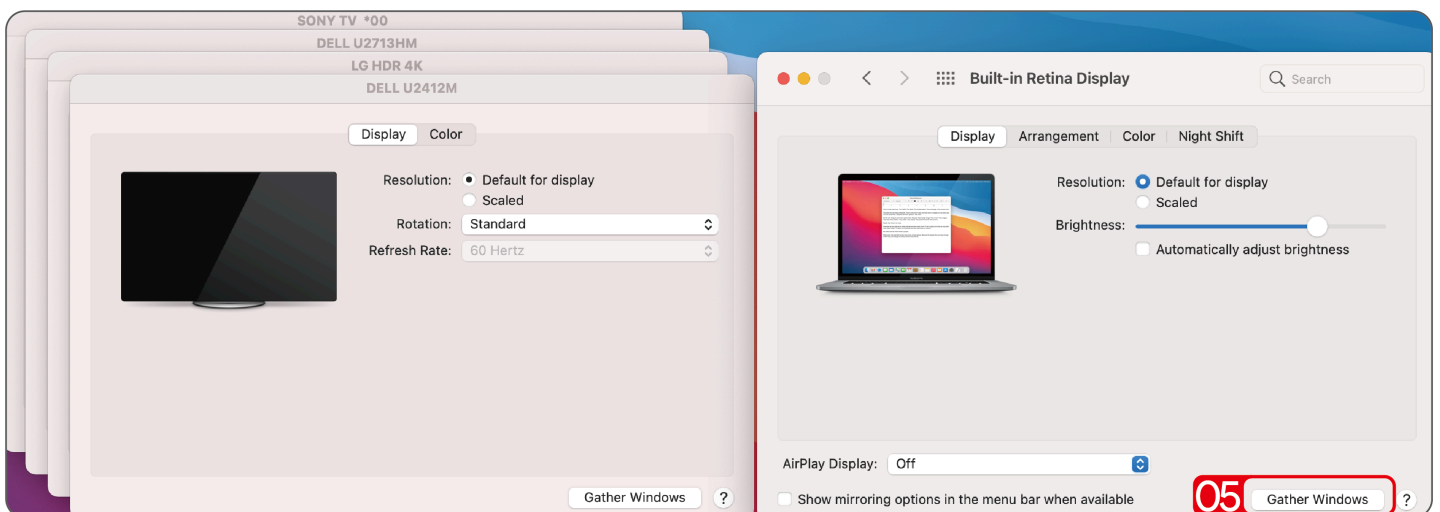




3. Select **Display** from the list, then you can enjoy different operations of mirroring, expanding and rotating on your monitors.

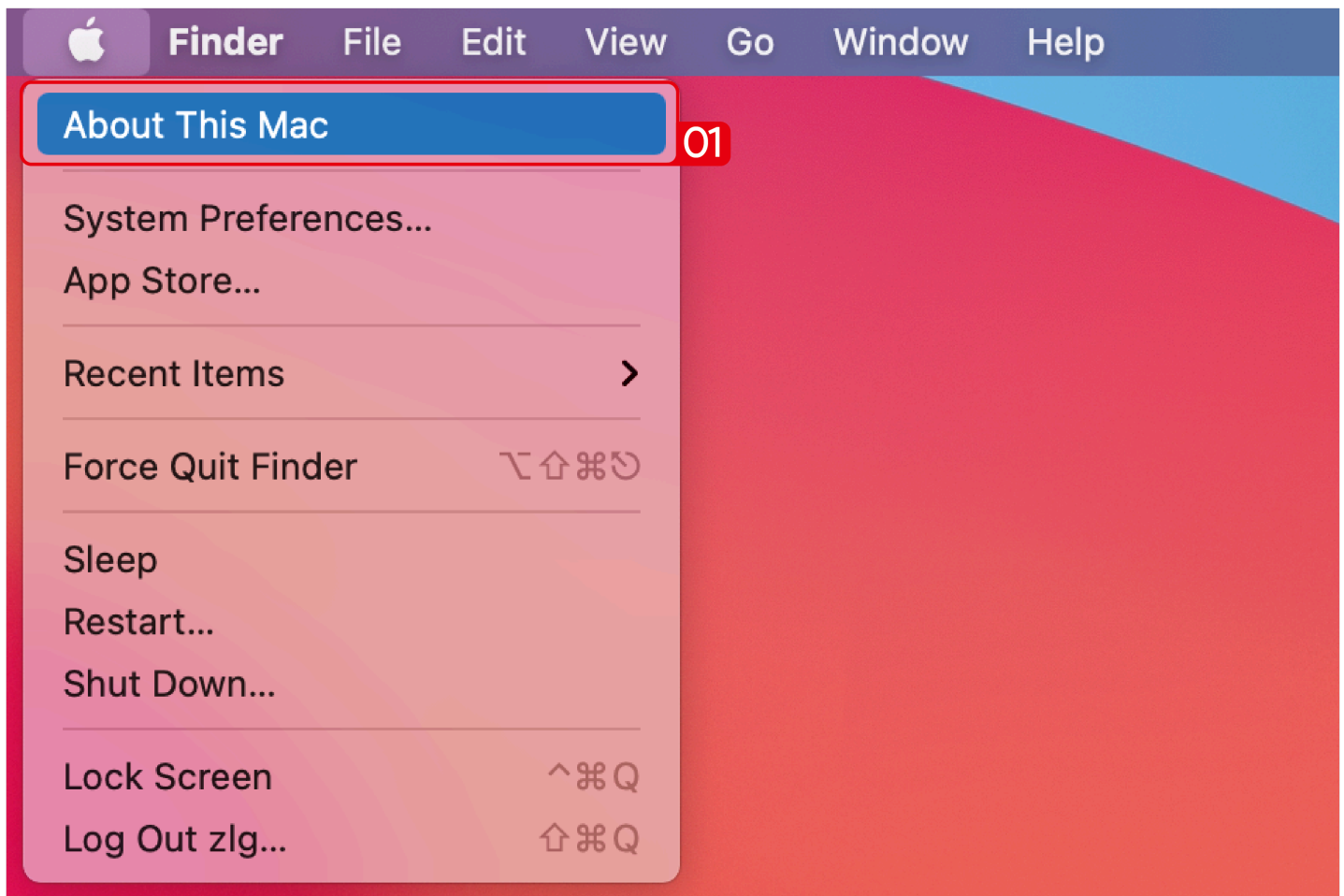


4. Or click **Gather Windows** to gather all connected displays and make separate settings.



## For Mac OS X13

1. Click **Apple** icon→ **About This Mac**.



2. Click **More Info...**

3. Select **Displays** from the list, then you can enjoy different operations of mirroring, expanding and rotating on your monitors.





# Chapter 6 FAQ & After-sale Service

This chapter includes FAQ and After-sale Service.

- [FAQ](#)
- [After-sale Service](#)

## FAQ

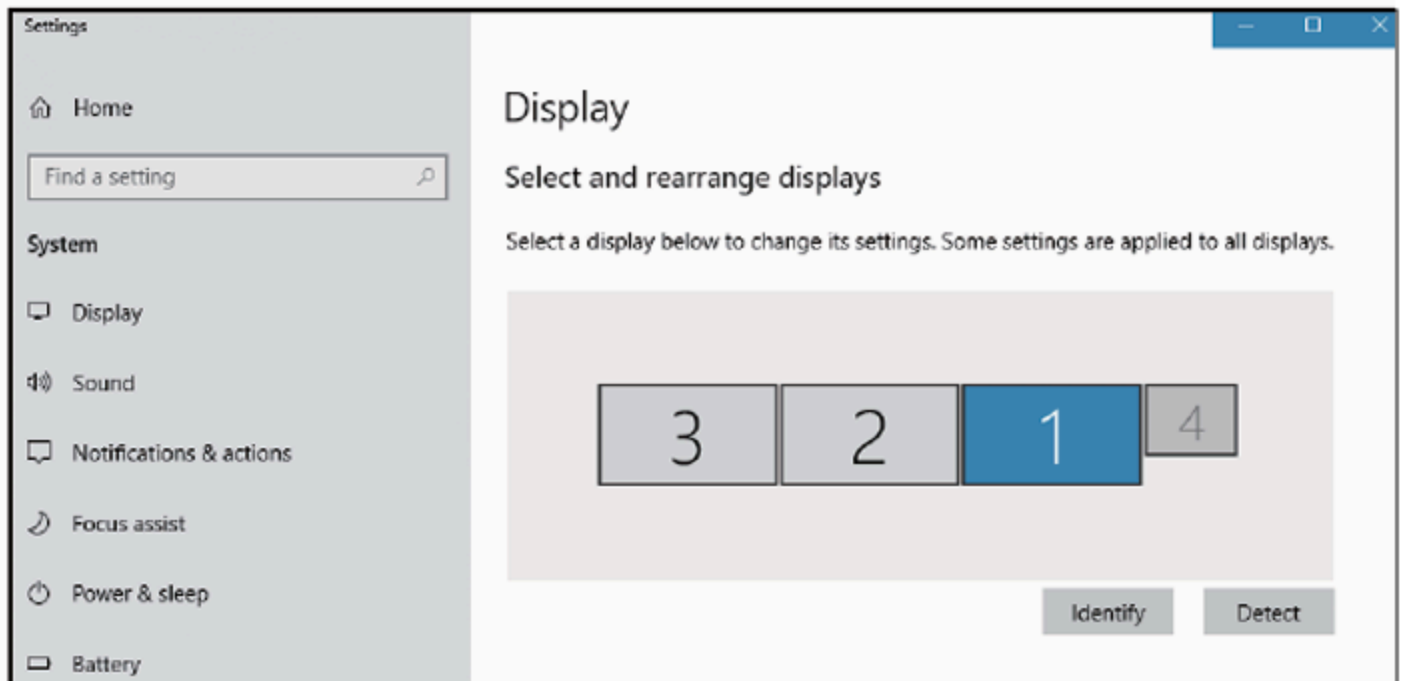
### Q1. How to figure out the maximum resolution(DP1.2/DP1.4) my laptop supports via type-c port?

1. Please contact laptop manufacturer to confirm that.

### Q2. Why doesn't my third monitor display when I set the triple display mode?

**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”**.

## Multiple displays

Multiple displays

Extend desktop to this display

☐ Make this my main display

### Step 2: Disconnect laptop display

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

## Display

Landscape

Rotation lock

☒ On

Duplicate desktop on 1 and 2

Duplicate desktop on 1 and 3

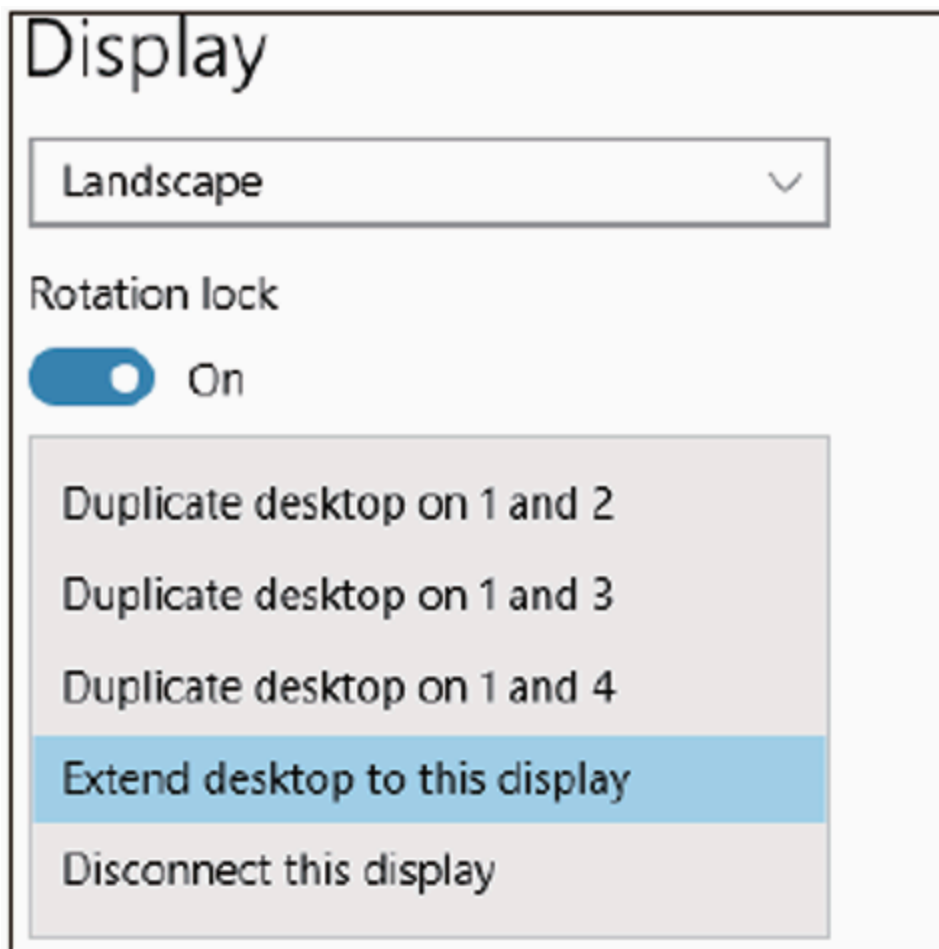
Duplicate desktop on 1 and 4

Extend desktop to this display

Disconnect this display

### 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.



### Q3. Why does it show **“slow charging”** on my laptop?

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

### Q4. Why does this Docking power off and reconnect after the PD power supply is unplugged?

- When this Docking switches the power supply from the original PD to the computer power supply, there will be a long delay on the computer that does not support fast switching, resulting in power outage and reconnection on this Docking due to insufficient power supply.

## Q5. My Laptop/PC supports PD and DP ALT MODE, but why is it still not working properly?

- Please try to update the PC/Laptop's BIOS, Graphics Card, and other Drivers to the latest version, or contact our Customer Service.

## After-sale Service

# Need help?

We're here for you!



**Online support: [wavlink.com](http://wavlink.com)**

Available Mon-Fri 8:30 am-5:30pm (UTC+8)



**[support@wavlink.com](mailto:support@wavlink.com)**

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**[www.wavlink.com](http://www.wavlink.com)**



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WAVLINK product!**



