

WAVLINK

see the world

**USB 3.0 to 4K Single Display HDMI
Elite Adapter**

Model: WL-UG9101H

@WavlinkOfficial

@WavlinkTechSupport

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About This Guide

This guide is a complement to Quick Installation Guide. The Quick Installation Guide provides instructions for quick internet setup, while this guide contains details of each function and demonstrates how to configure them.

When using this guide, please notice that features of the router may vary slightly depending on the model and software version you have, and on your location, language, and internet service provider. All screenshots, images, parameters and descriptions documented in this guide are used for demonstration 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.
Teal	The content and text that needs to be emphasized on the web page is the theme color #1D428A , including menus, items, buttons, etc.
>	The menu structures to show the path to load the corresponding page. For example, More > Network > Mode Selection means the Mode Selection function page is under the Network menu that is located in the More tab.
Note:	Do not ignore this type of comment, it is to remind you to better use the device, to avoid the operation of the error that will cause the function to be invalid.
Tips:	Indicates important information that helps you make better use of your device.

More Info

The latest software, management app and utility are available from the Download Center at <https://docs.wavlink.xyz/Firmware/> .

A quick installation guide can be found in this guide.

Specifications can be found on the product page at <https://docs.wavlink.xyz/>.

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 !

Speed/Coverage Disclaimer

*Maximum wireless signal rates are the physical rates derived from IEEE Standard 802.11 specifications. Actual wireless data throughput and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects, and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead, and 3) client limitations, including rated performance, location, connection, quality, and client condition.

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

- [In The Box](#)
- [System Requirements](#)
- [Overview](#)

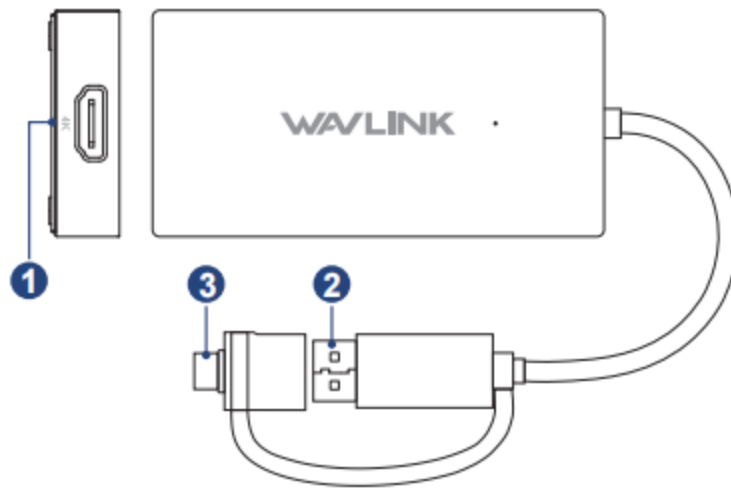
In The Box

- USB 3.0 to 4K Single Display HDMI Elite Adapter
- Quick Start Guide

System Requirements

- Windows 7/8/10/11
- Mac OS 10.15 or later

Overview



1.USB-A/C Host

2.HDMI

Chapter 2 How to Connect

This chapter contains the following sections:

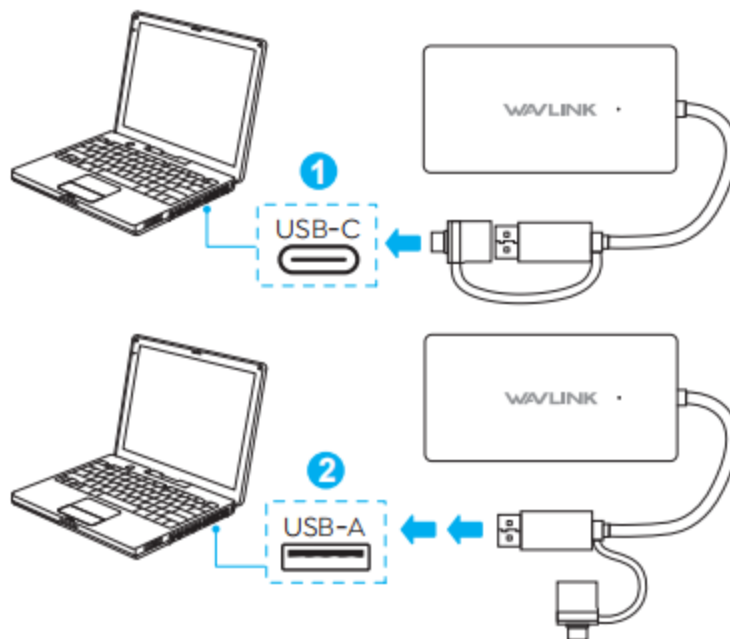
- [How to Connect](#)

How to Connect

Ensuring the driver has been installed before using this Docking Station.

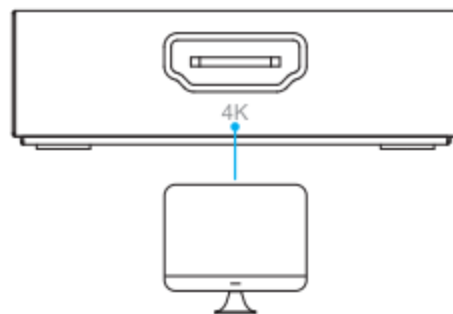
Step 1:

Connect the adapter to your PC/Laptop via USB 3.0 cable.



Step 2:

Connect the HDMI port to output devices, such as monitor or projector, and supports a maximum resolution of 4K for a single display.



Chapter 3 Display Resolution

Display Resolution

Scenarios	Systems	Resolution
HDMI	Windows	3840x2160@60Hz
	macOS	3840x2160@60Hz

Chapter 4 Driver Installation

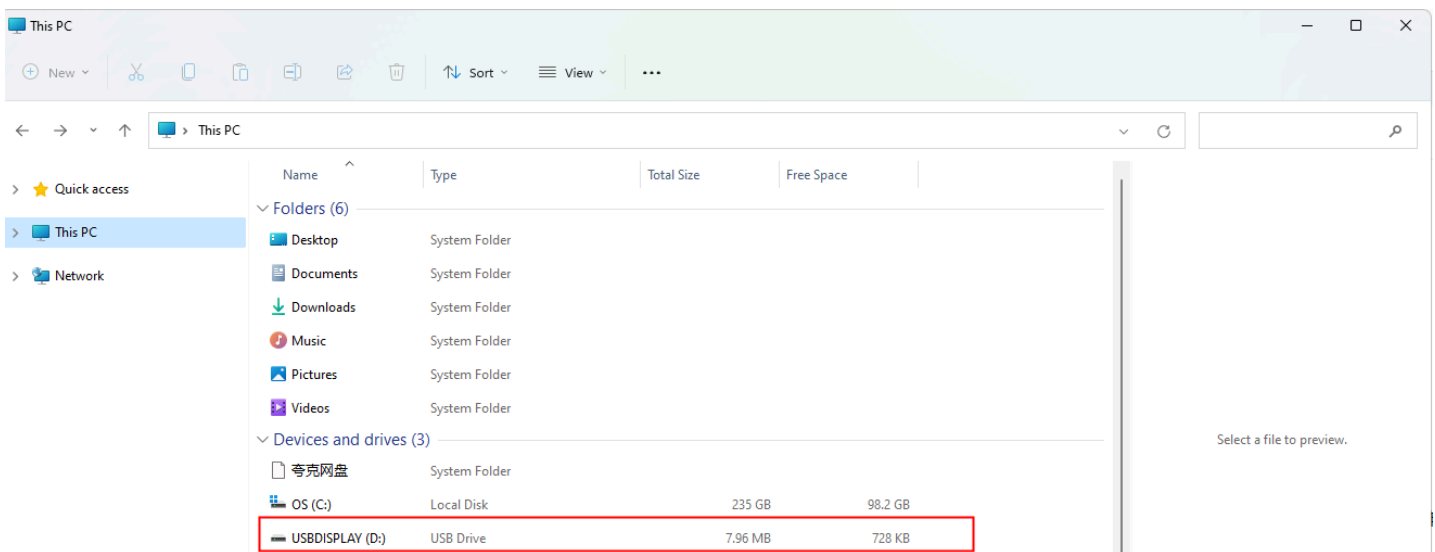
This chapter introduces the steps of driver installation.

- [For Windows](#)
- [For Mac](#)

The docking station is based on MacroSilicon USB graphics technology which manages the graphics function. It requires downloading and installing MacroSilicon graphics driver to make it work, found here: www.wavlink.com/en_us/WL-UG9101H or www.wavlink.com > Support > Driver > WL-UG9101H. Please follow below steps to finish driver installation.

For Windows

1. Insert the device's USB-A/USB-C host plug into your computer. Once connected, a drive partition designated **USBDISPLAY** will appear in the file manager.



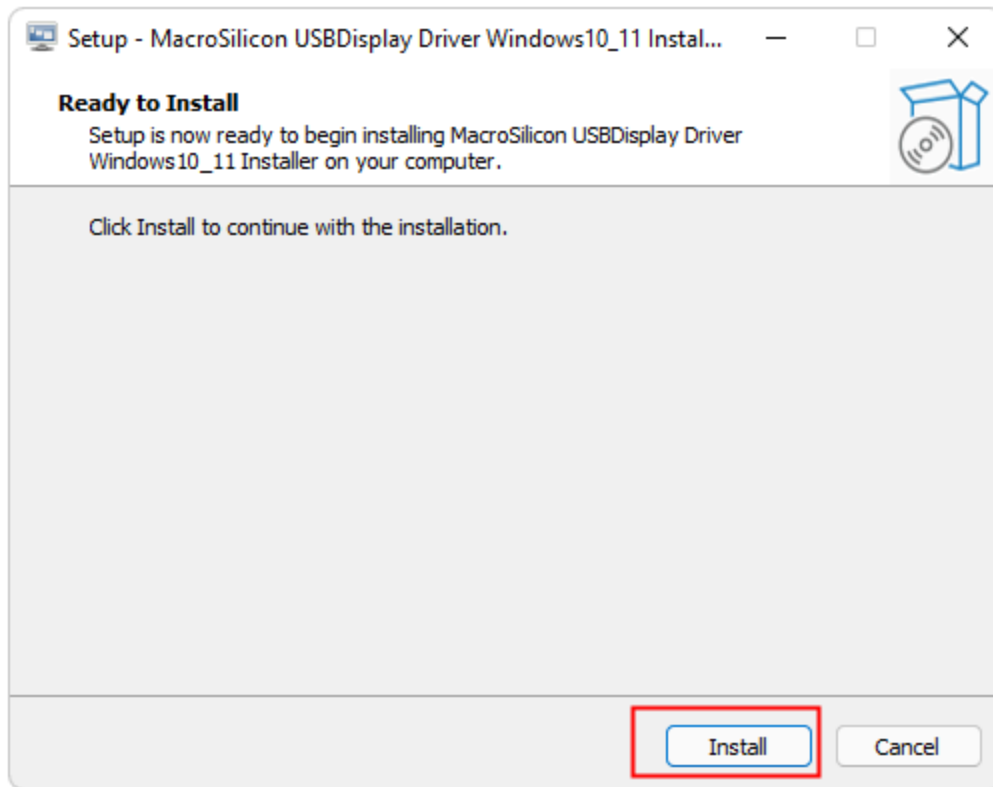
2. Double-click to open this drive, and you'll see the following files:

Name	Date modified	Type	Size
LOST.DIR	2021/12/13 18:51	File folder	
MacroSilicon USBDisplay Application Windows7_8 Installer_V3.2.6.112.exe	2026/5/15 9:06	Application	4,078 KB
MacroSilicon USBDisplay Driver Windows10_11 Installer_V4.2.17.27.exe	2026/7/8 16:46	Application	2,185 KB
MacroSilicon_UsbDisplay_V3.3.8.66_20260714_1051.pkg	2026/7/14 13:45	360压缩	1,154 KB

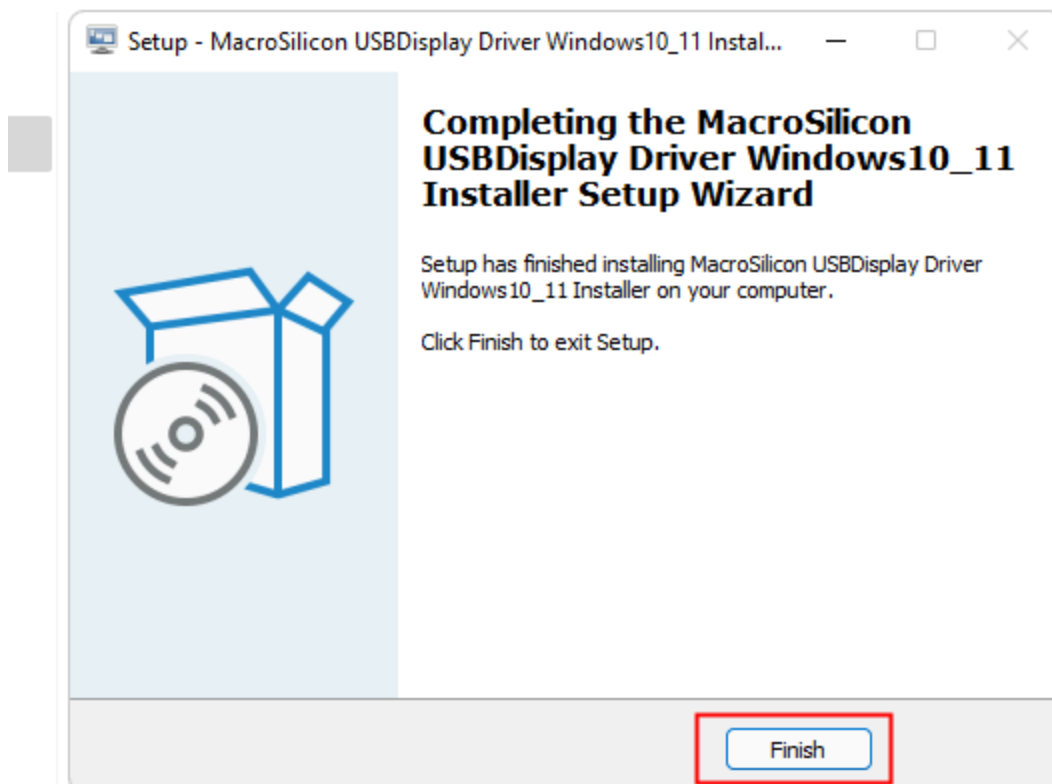
3. Select the appropriate file based on your Windows system. If you're using Windows 7 or 8, select ❶; if you're using Windows 10 or 11, select ❷.

Name	Date modified	Type	Size
LOST.DIR	2021/12/13 18:51	File folder	
MacroSilicon USBDisplay Application Windows7_8 Installer_V3.2.6.112.exe	2026/5/15 9:06	Application	4,078 KB
MacroSilicon USBDisplay Driver Windows10_11 Installer_V4.2.17.27.exe	2026/7/8 16:46	Application	2,185 KB
MacroSilicon_UsbDisplay_V3.3.8.66_20260714_1051.pkg	2026/7/14 13:45	360压缩	1,154 KB

4. Click the **Install** to install the driver.

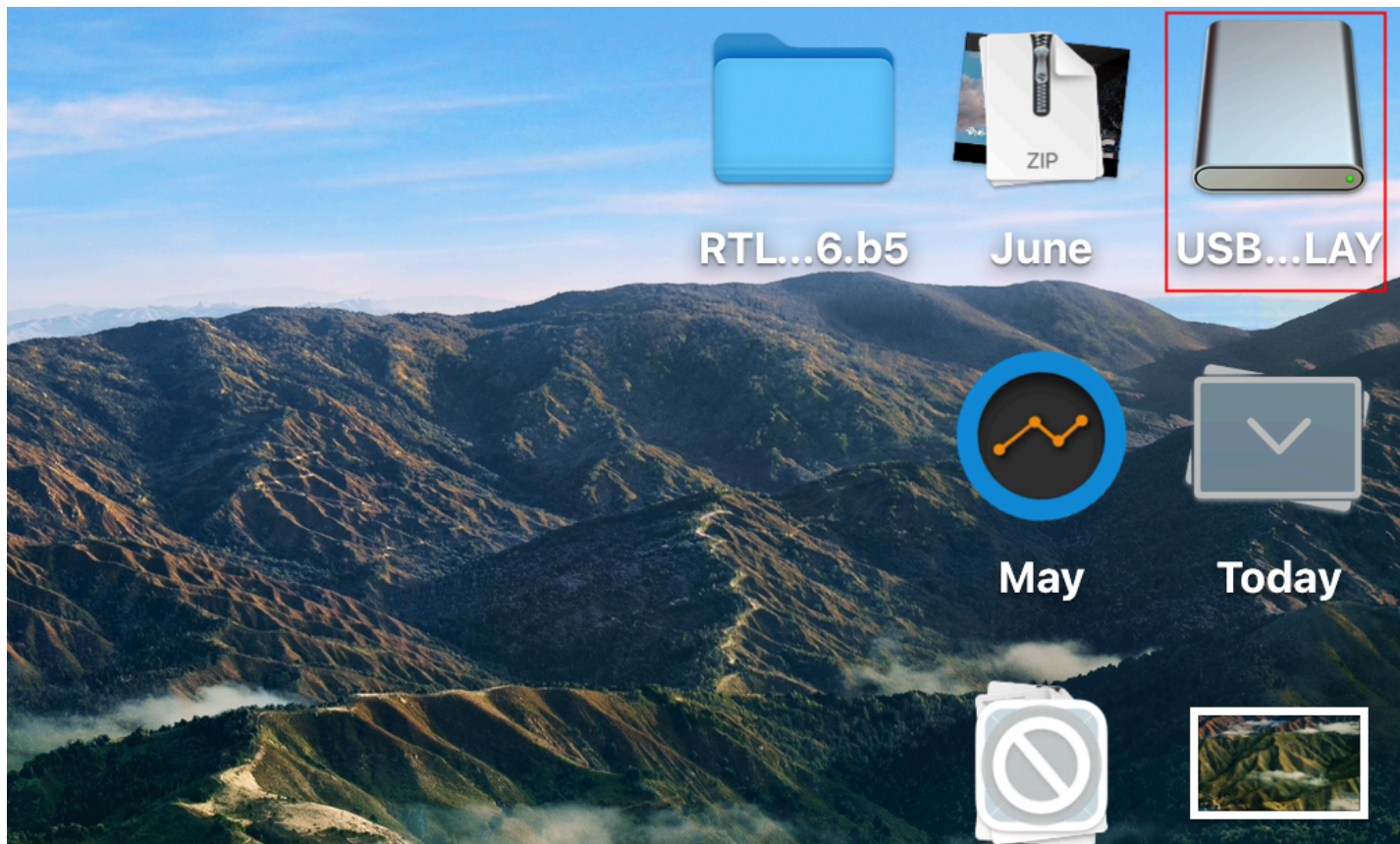


5. Once the installation is complete, click **Finish**.

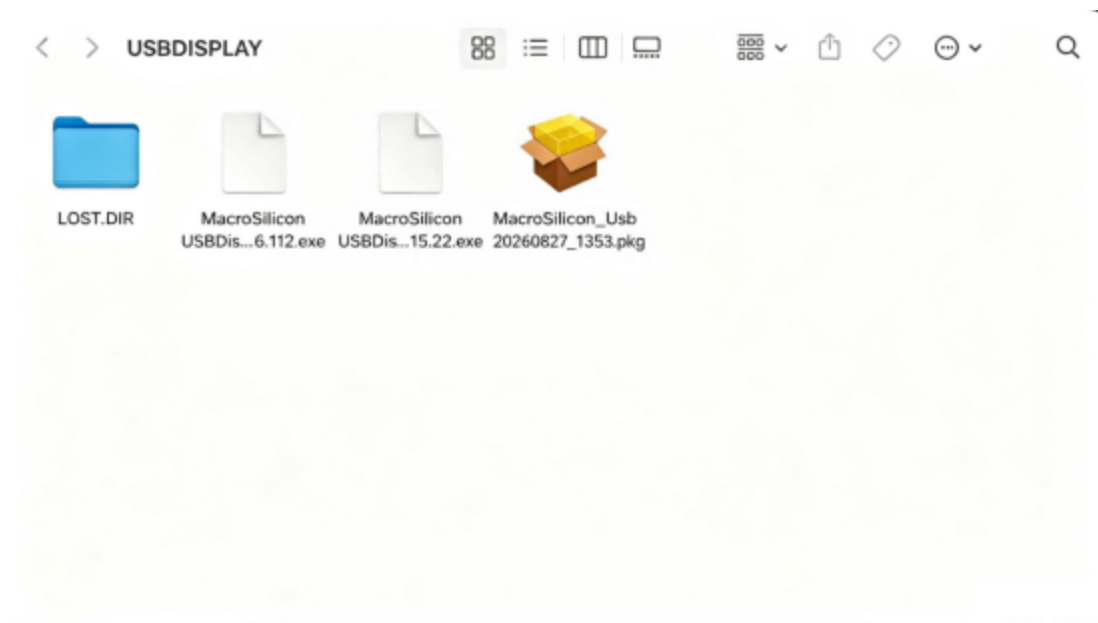


For Mac

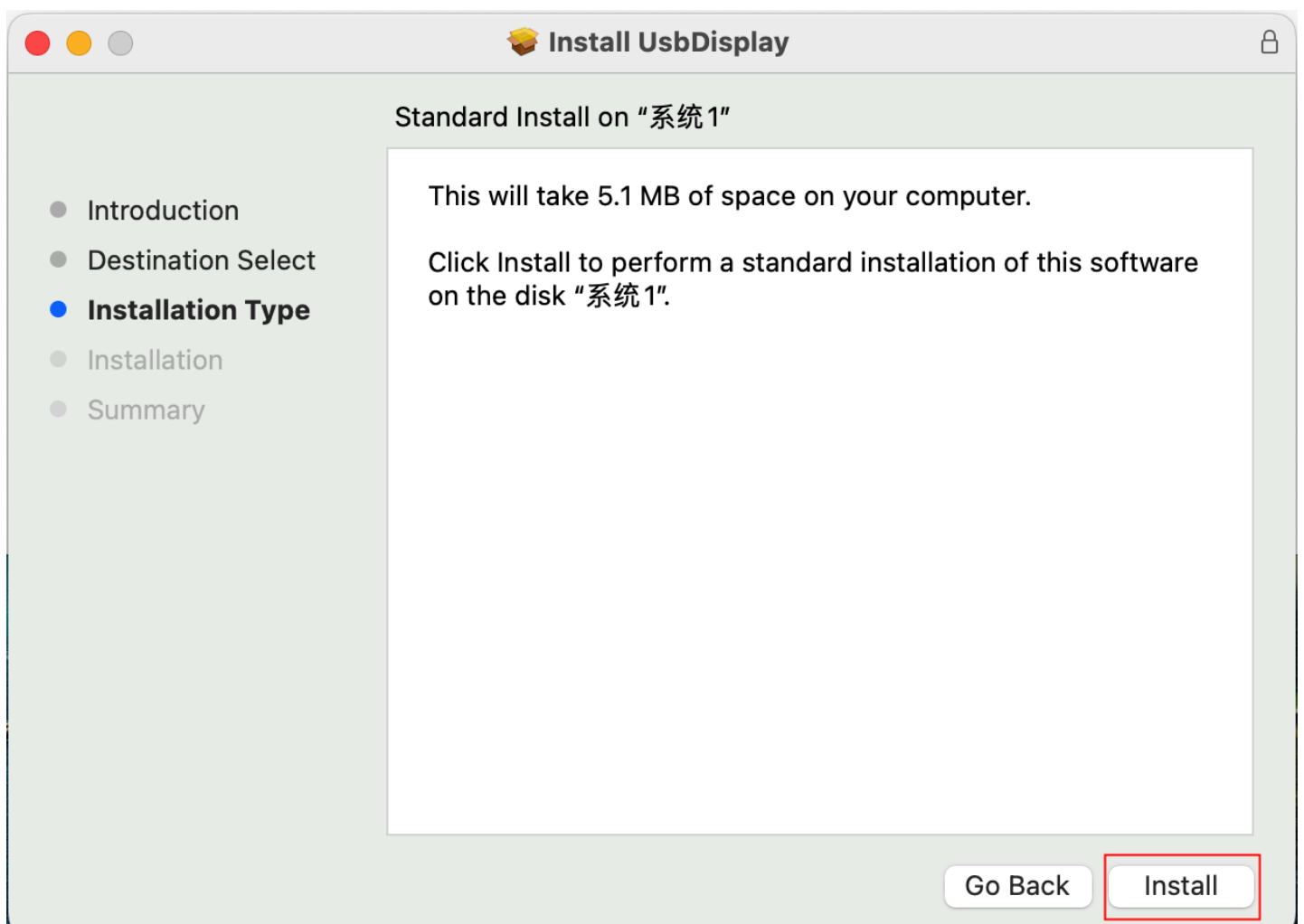
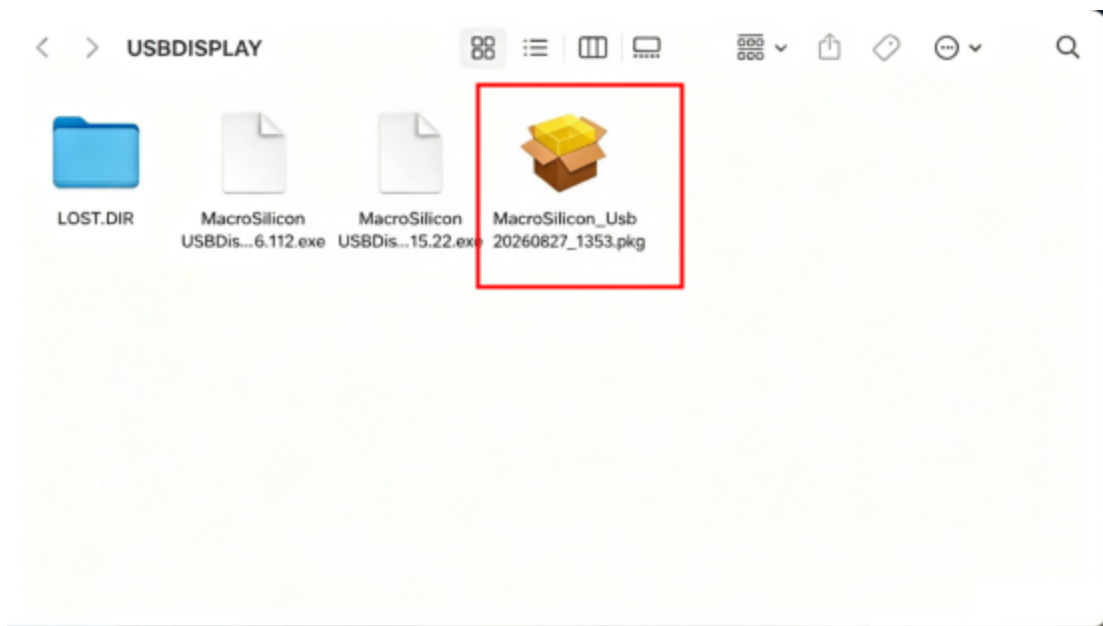
1. Insert the device's USB-A/USB-C host plug into your computer. Once connected, a drive partition designated **USBDISPLAY** will appear in the file manager.



2. Double-click to open this drive, and you'll see the following files:



3. Select files with the ".pkg" extension, then click the **Install** to install the driver.



4. Please locate **MSDisplayManager** in **Screen Recording** and enable permissions.

< Screen Recording

Allow the applications below to record the content of your screen and audio, even while using other applications.



AweSun



DisplayLink Manager



macOS InstantView



MSDisplayManager



5. Click **Open System Settings**

Screen Recording



"MSDisplayManager" would like to record this computer's screen and audio.

Grant access to this application in Privacy & Security settings, located in System Settings.



Open System Settings

Deny

6. Please wait patiently for the installation to complete, then click **Close**.



The installation was completed successfully.

- Introduction
- Destination Select
- Installation Type
- Installation
- **Summary**



The installation was successful.

The software was installed.

Go Back

Close

Chapter 5 Display Mode Settings

This chapter introduces the steps of display mode settings.

- [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→ **Display settings**.

View



Sort by



Refresh

Paste

Paste shortcut

Undo Copy

Ctrl+Z

New

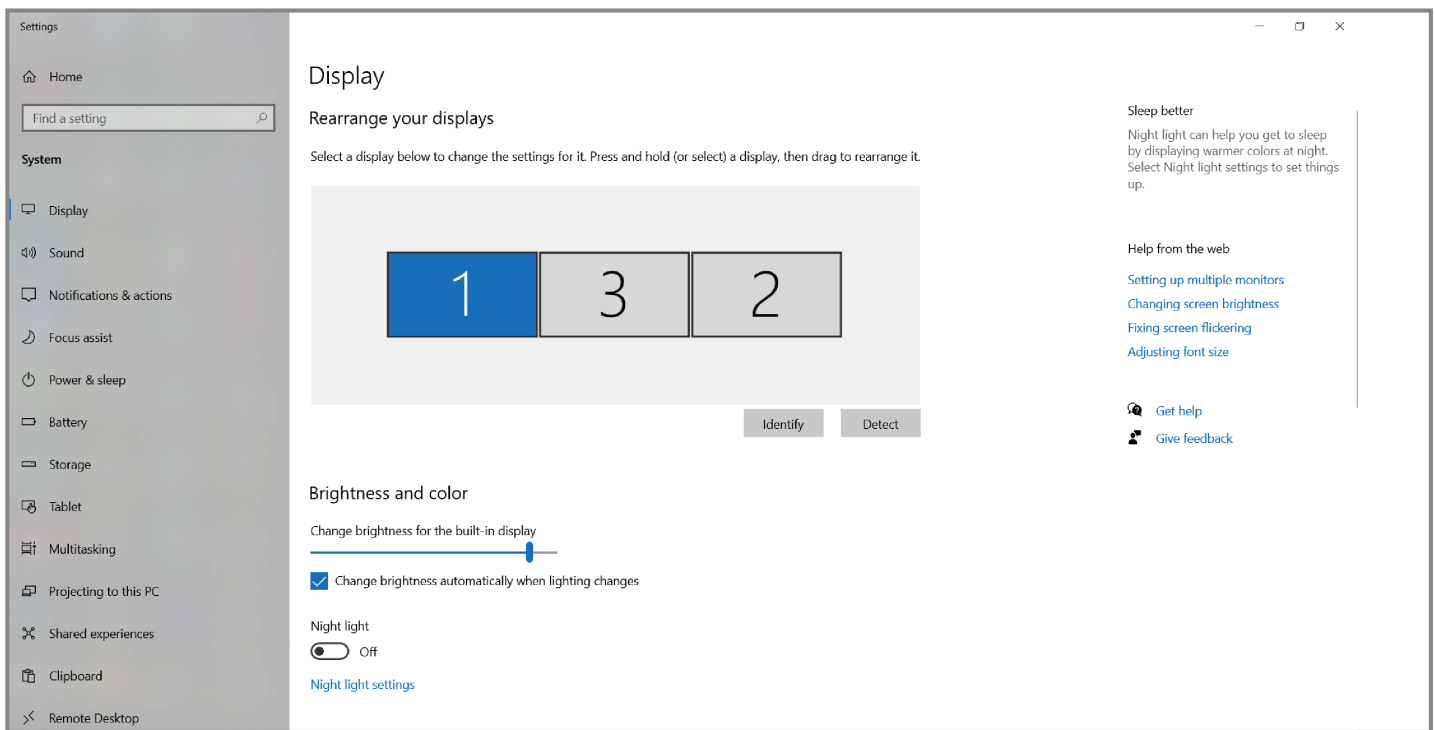


Display settings



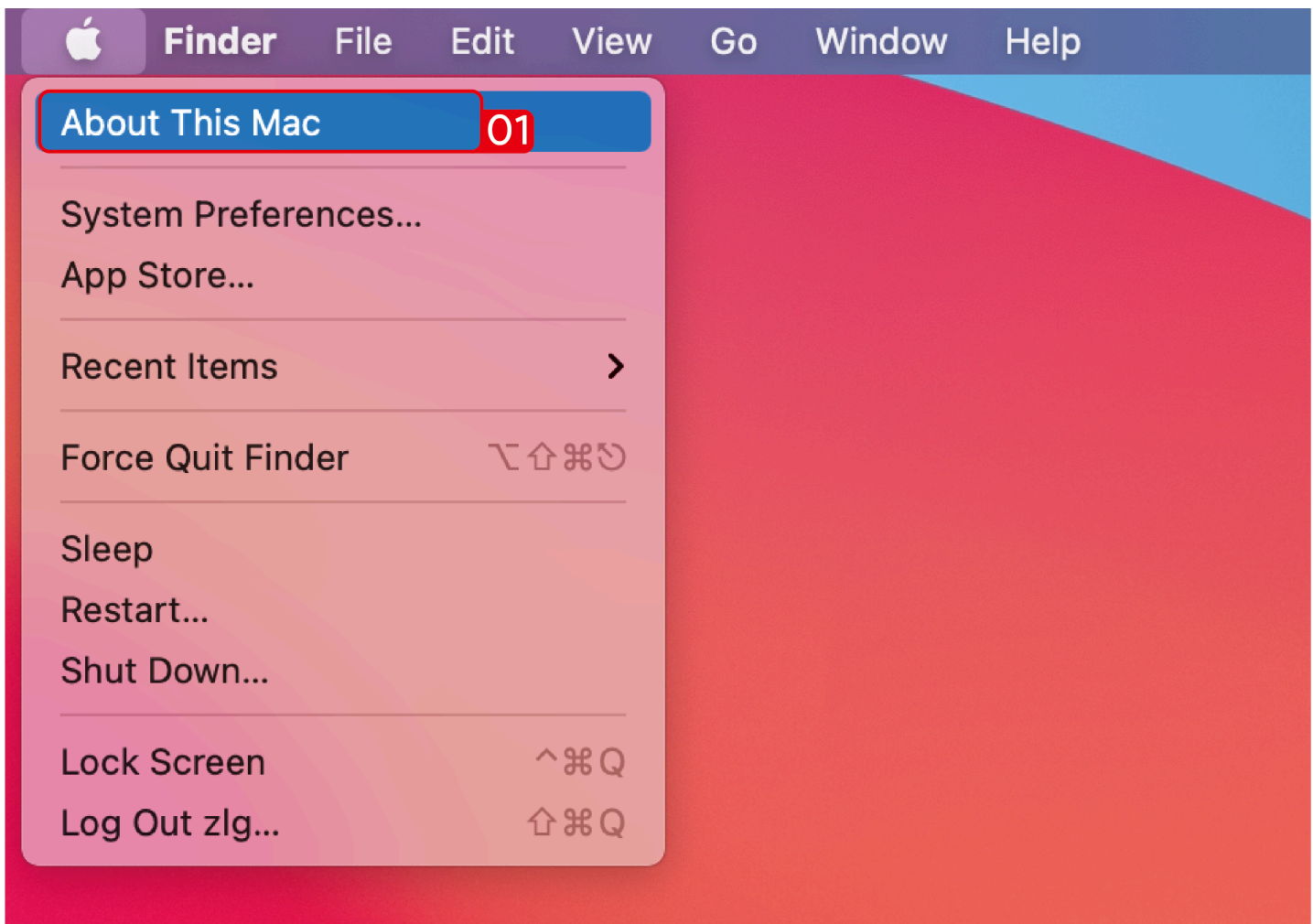
Personalize

2. In **Display**, you can enjoy different operations of duplicating, extending and rotating on your monitors.

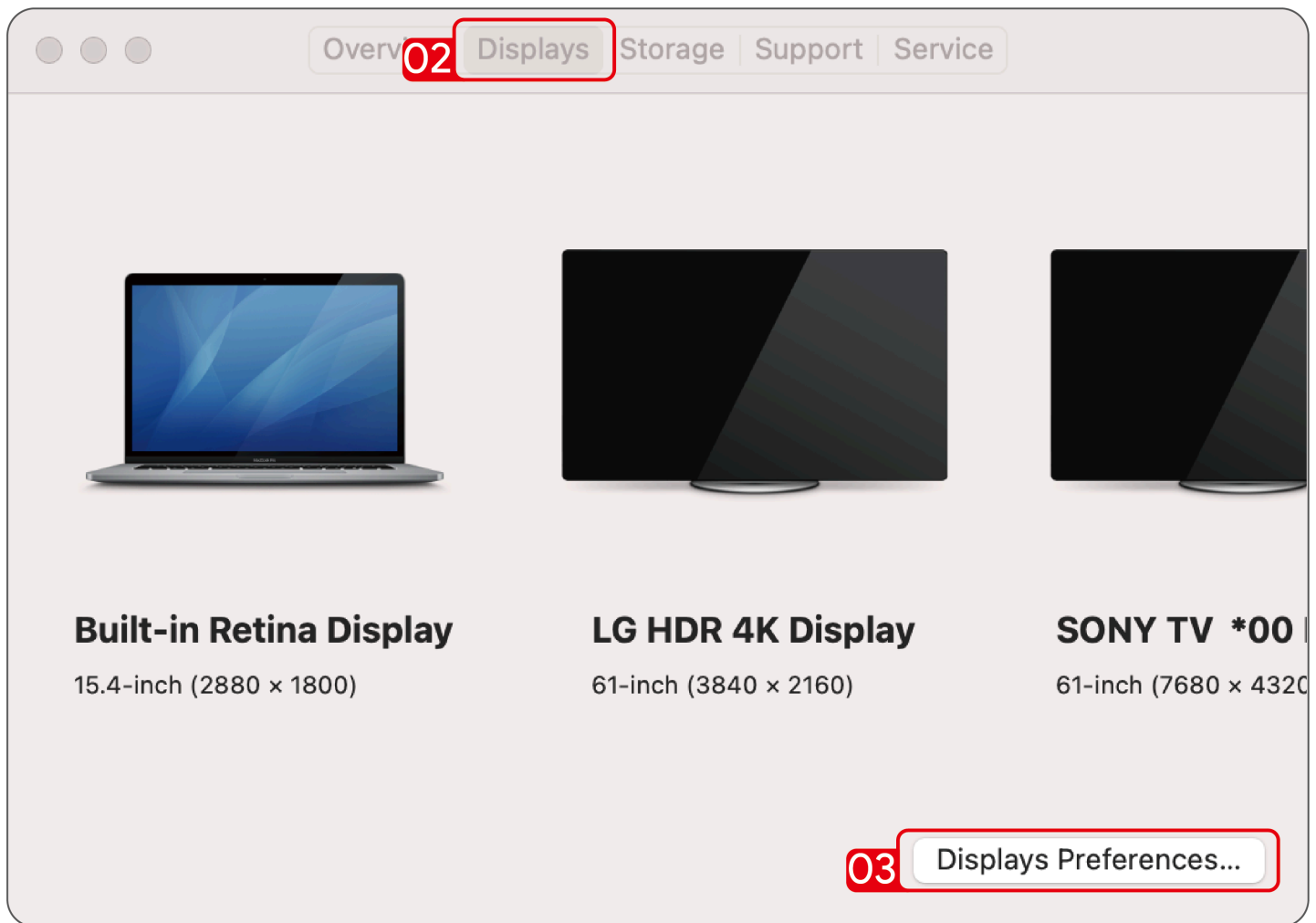


For Mac OS X12 or Below

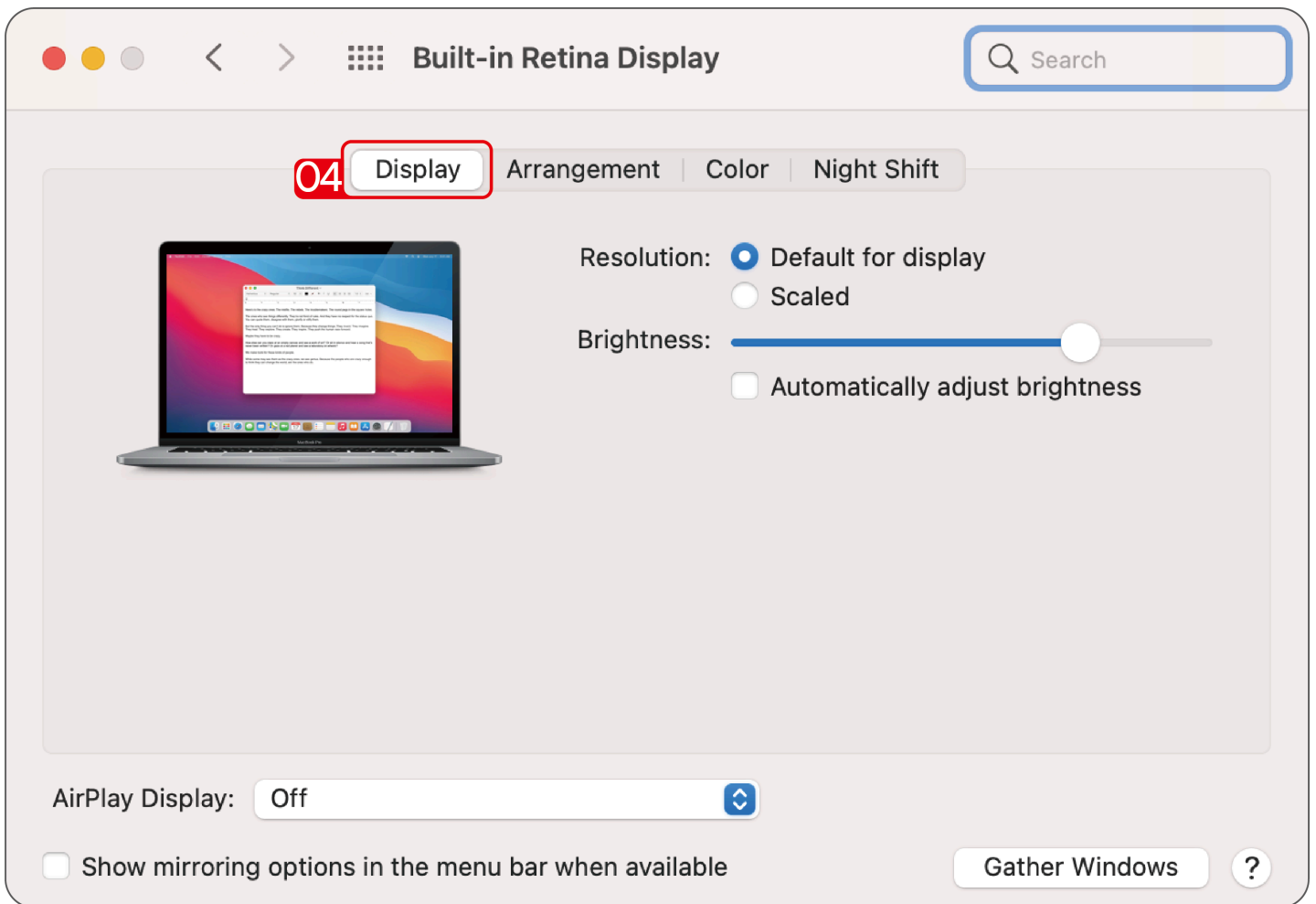
1. Click **Apple** icon→ **About This Mac**.



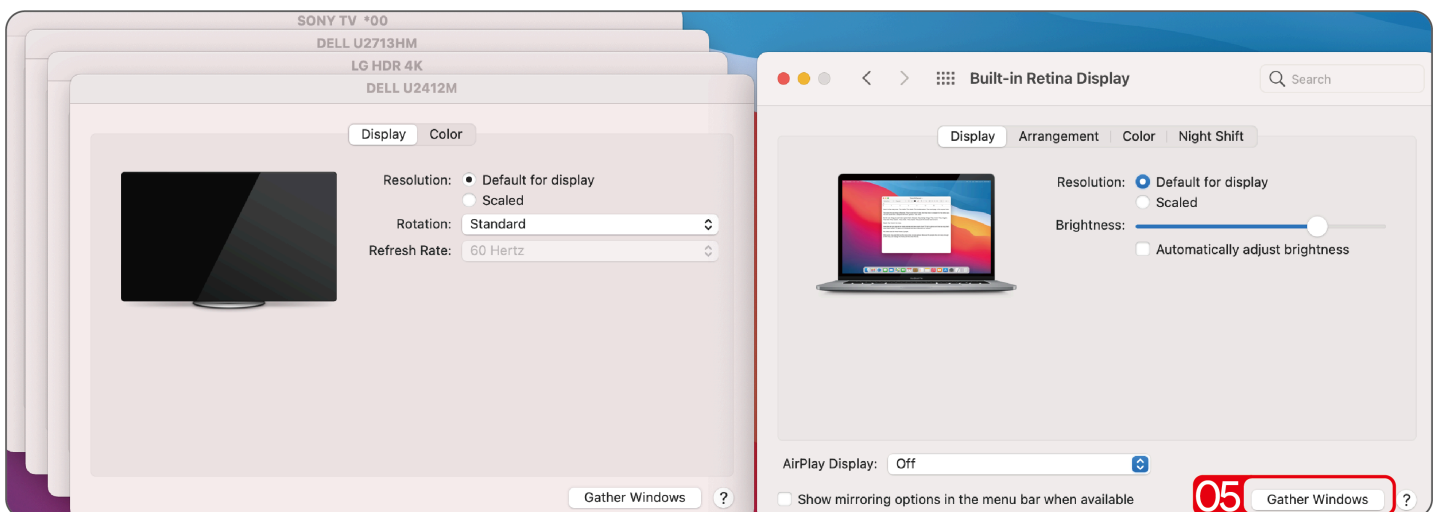
2. Click **Displays** → **Displays Preferences**.



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

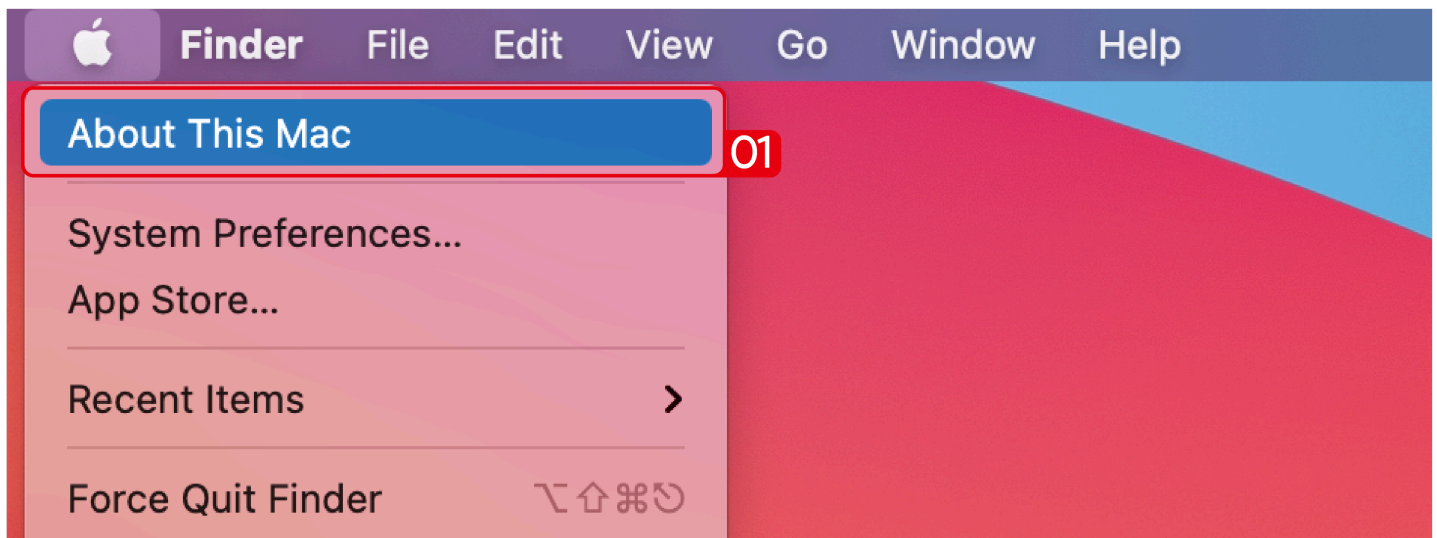


4. Or click **Gather Windows** to gather all connected displays and make separate settings.



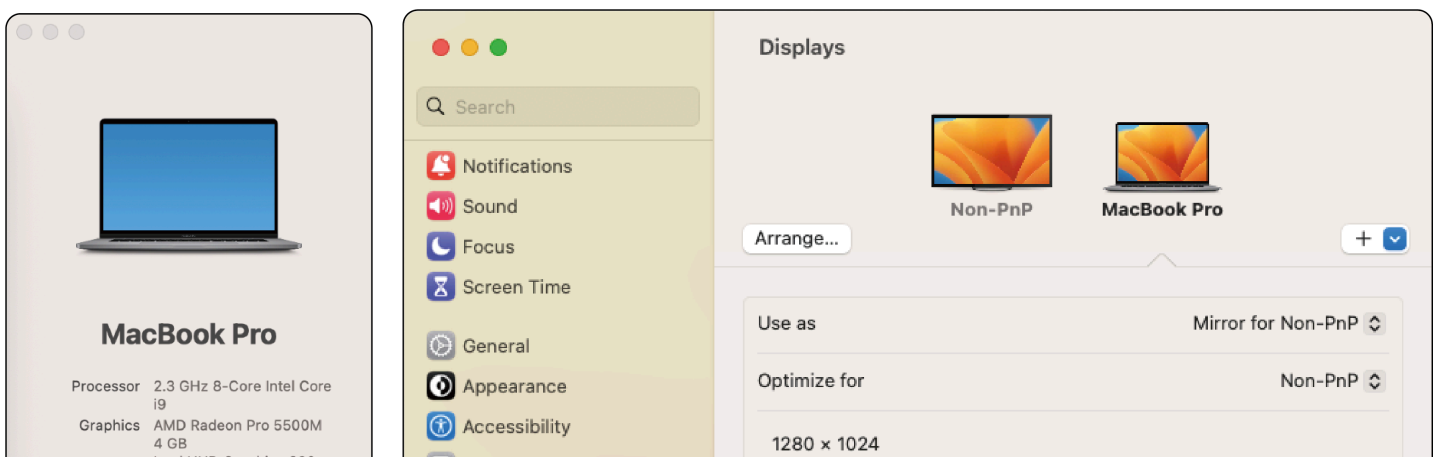
For Mac OS X13

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

This chapter contains the following sections :

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

FAQ

Q1. Why when I install the app for my Macbook, the App want to record my screen?

A1: Mac OS requires the user to permit Screen Recording for MacroSilicon driver to work properly. But the MacroSilicon driver will not send any information to the WAVLINK and the MacroSilicon. Please do not worry about that.

Q2: Why the apple tv, hulu, netflix could not play when the docking is connected?

A2: The adapter could not support hdcp, the protected content such as apple tv, hulu, netflix could not play when the docking is connected. And it is as expected. Please disconnect the docking when you are playing these video. Or you could also try to use the Chrome browser to watch these video and disable the Hardware Acceleration.

Q3: When connecting a monitor to a MacBook, why can't I adjust the output volume of the monitor audio?

A3: Volume adjustment is not supported.

After-sale Service

Need help?

We're here for you!



Online support: wavlink.com

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



support@wavlink.com

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



+1 8889730883

Mon-Fri 9:00 am - 6:00 pm (UTC-5)

www.wavlink.com



**Thank you for purchasing
WAVLINK product!**

Chapter 7

Safety and Emission Statement

- [FCC Requirement](#)

FCC Requirement

changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.