

WAVLINK

see the world

User Manual

Wireless HDMI Adapters

Model: WL-WH50A1

@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.
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 equipment, or returned to the supplier for disposal.



Chapter 1 Overview

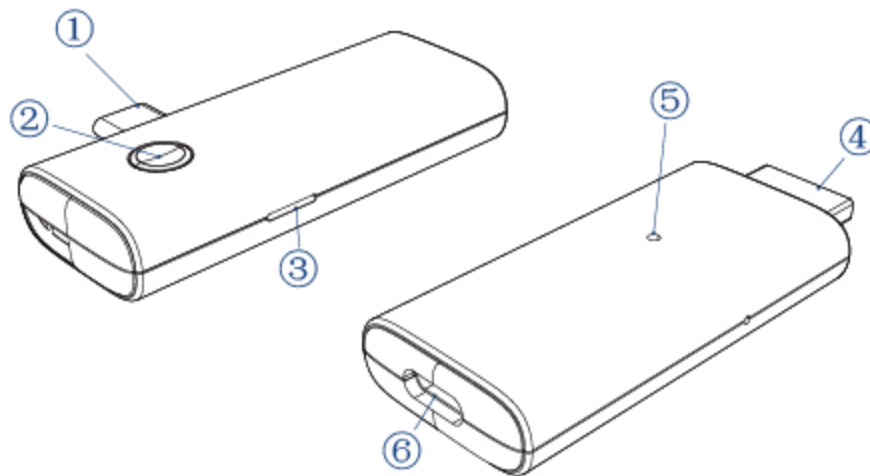
This chapter contains the following sections:

- [Package Content](#)
- [Product Overview](#)
- [Transmitter Indication](#)
- [System Requirement](#)

Package Content

- 1× Wireless HDMI Transmitter
- 1× Wireless HDMI Receiver
- 1× USB-A to USB-C Cable
- 1× Ejector Pin
- 1× Quick Start Guide

Product Overview



- ① TX's USB-C(Host)
- ② Reset/Pair
- ③ TX's LED
- ④ RX'S HDMI
- ⑤ Pinhole for Reset/Pair

Transmitter Indication

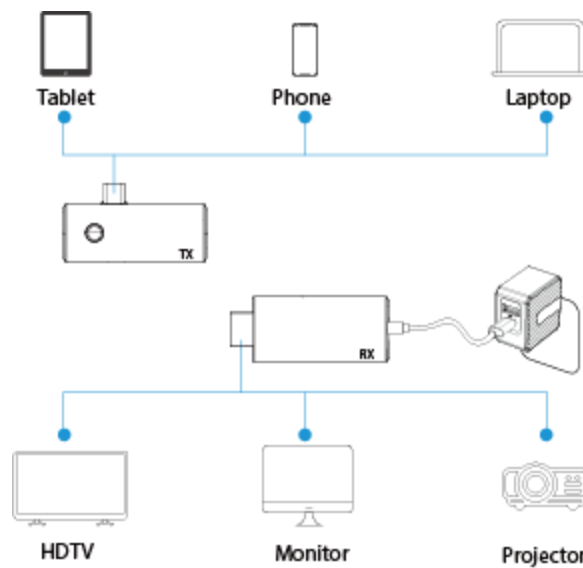
LED Status	Button Operation	Indication
Blue flashing	/	Unpaired
Blue flashing	Keep pressing the PAIR/RESET button for 5s.	Off for 1s, then resumes flashing at the original rate, start pairing.
Solid blue on	/	Successfully paired with RX, are ready to start
Solid blue on	Short press the PAIR/RESET button.	Successfully paired with RX, are ready to start

System Requirement

- Microsoft Windows 10/11
- Apple Mac OS 10.15 or later
- Compatible with most Type-C 3.1 devices with DP protocol

Chapter 2 How to Connect

1. Connect the RX's HDMI to the HDMI IN port on monitor (TV, Projector).
2. Connect RX's USB-C port to the USB-C power supply (5V/2A).
3. Ensure the monitor's video source is set to the HDMI input connected to the RX. If not, manually switch it using the monitor's controls or connect the RX to the correct HDMI port.
4. Connect TX's USB-C port to the video source (laptop, smartphone, tablets).
5. Once the LED indicator flashes blue rapidly, wait 10s+ for the projection to stabilize. The devices will pair automatically by default. Please refer to the notes if pairing fails.





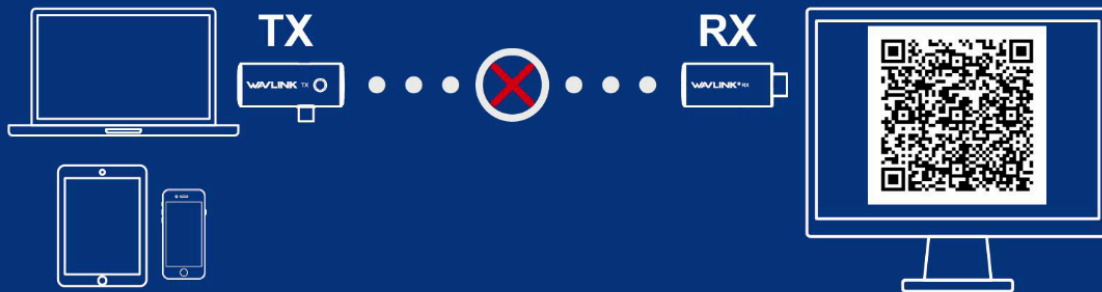
V 23634055



V 23634055

Note:

1. The TX and RX are factory configured for automatic pairing. If pairing has failed due to incorrect configuration or other reasons, do as the following to restore:
(1) Long press the pinhole on RX for 5s using the ejector pin, there will be a prompt of **Release the button to pair with Transmitter** displaying on monitor, then release it.



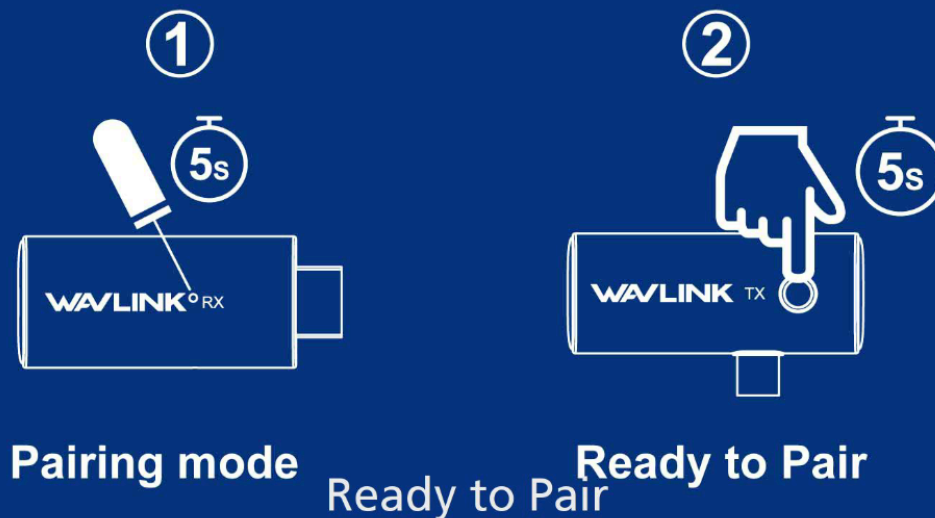
Release the button to pair with Transmitter

V 23634055

(2) After releasing the RX button, hold the TX button for 5 seconds until its LED briefly turns off and then returns to flashing at its original rate.

SSID: Mate-2872BB36

PSK: 40493306



V 23634055

(3) Release TX and the interface will appear after nearly 2s, indicating pairing is in progress.

SSID: Mate-2872BB36

PSK: 40493306



V 23634055

(4) It will mirror the screen after successful pairing.



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(5) After successfully pairing with the TX, keep pressing the pinhole using the ejector pin. Enter the Web interface after connecting to the WiFi via **SSID and PSK**, more details in **Chapter 3 Online Upgrade**.

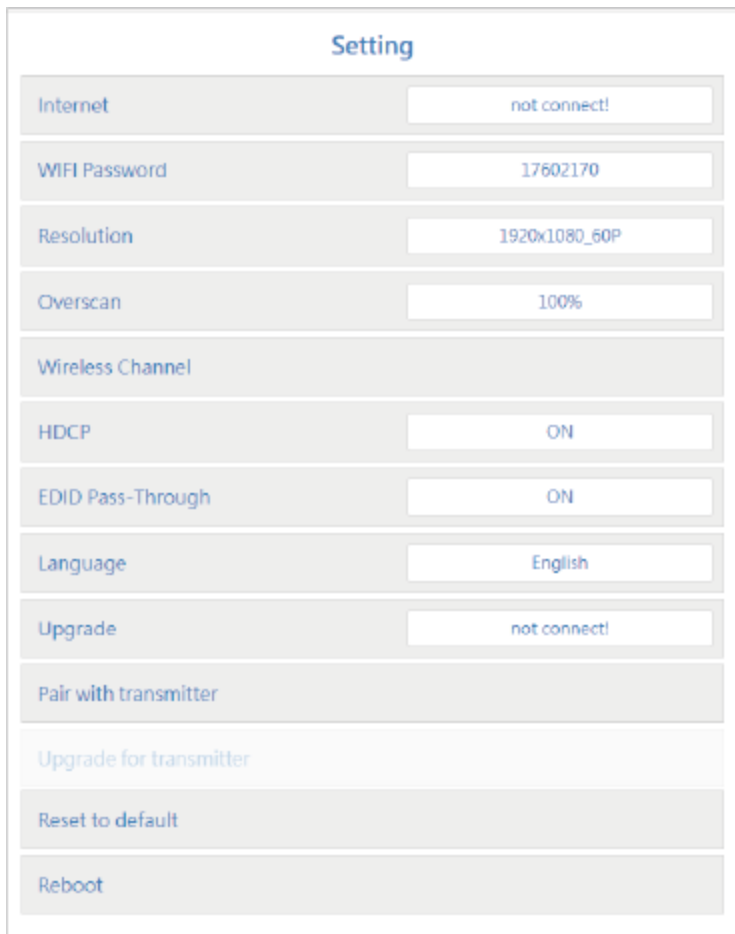
Chapter 3 Online Upgrade

Step 1. Long press the RX's pinhole using the ejector pin, there will have **SSID** and **PSK(Password)** showing on the monitor.

Step 2. Enable the WiFi configuration page on your phone and laptop. Then, enter the PSK and SSID to connect to the WiFi. After that, short press the PAIR/RESET button on TX to continue mirroring the screen.

Step 3. Launch a browser, enter <http://192.168.203.1>, then turn on the WiFi connection.

Step 4. Please ensure the WiFi from the Web interface is available before upgrading.



Step 5. If it prompts latest upgrading in configuration interface, follow the prompt to finish updating.

Note: Before changing other configurations on the web interface, ensure the laptop/phone is connected to the same WiFi as in the **Step 2**. One note is that TX and RX must be re-paired after changing the WiFi Password, as instructed in **Chapter 2 How to Connect: Note**.

Chapter 4 Display Settings

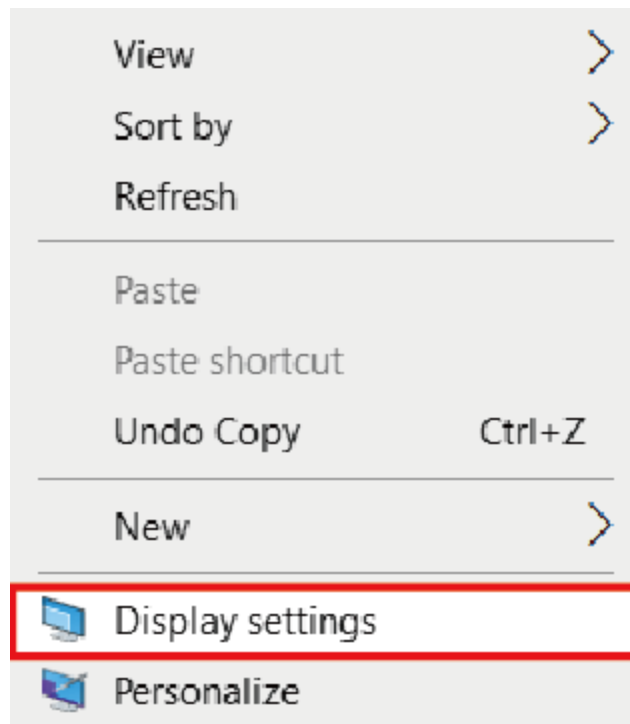
This chapter contains the following sections :

- [For Windows OS](#)
- [For Mac OS](#)
- [For Mac OS X13](#)

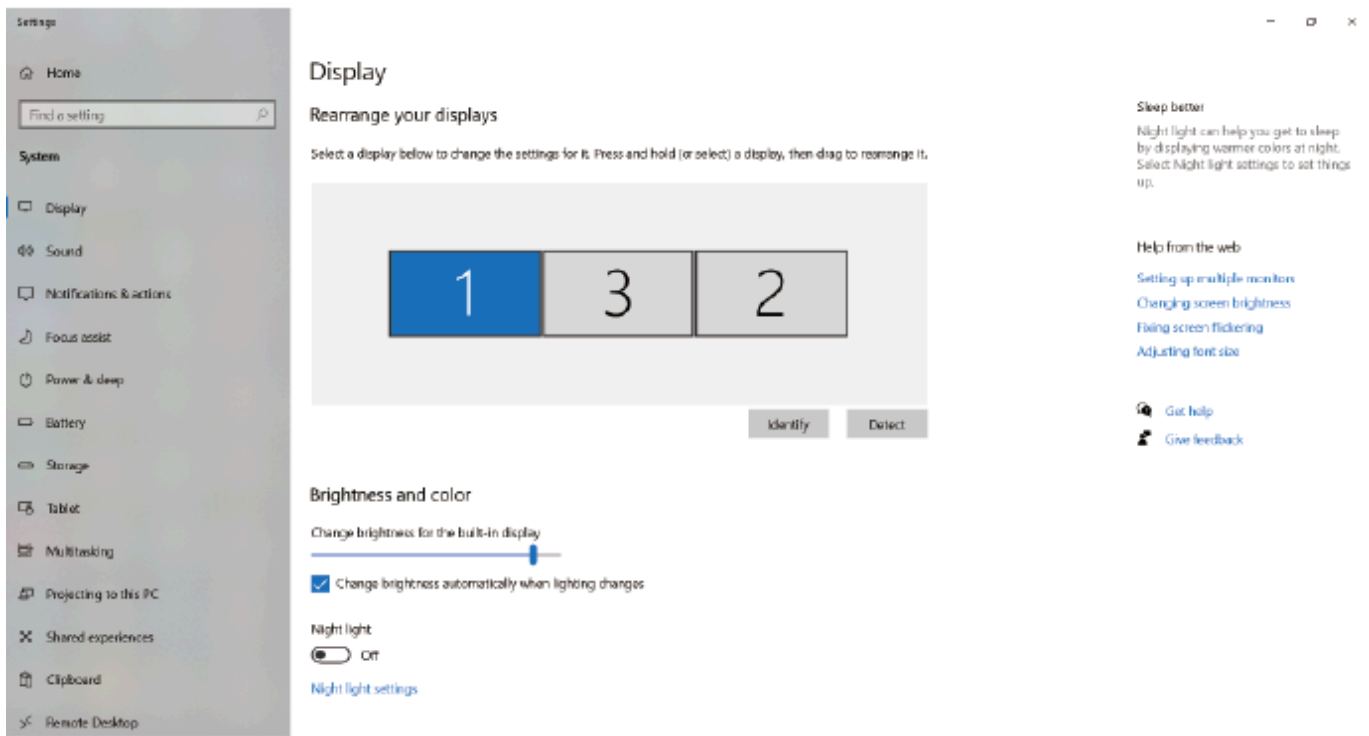
Before configuring the settings, please make sure this docking station has been connected to your laptop and monitors correctly.

For Windows OS

1. Right-click and select **Display settings**.

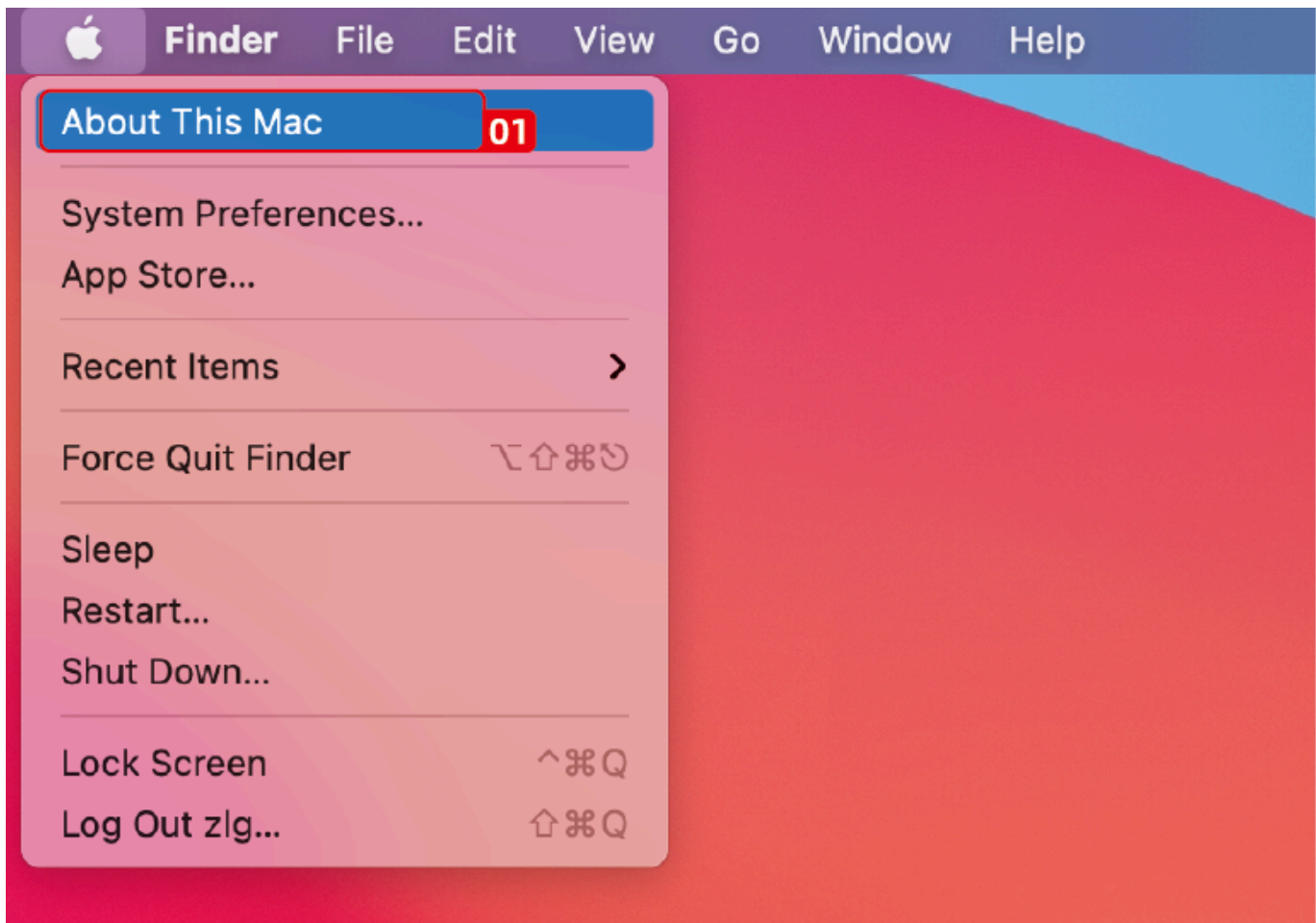


2. In **Display**, you can enjoy different operations of duplicating, extending and rotating on your monitors.

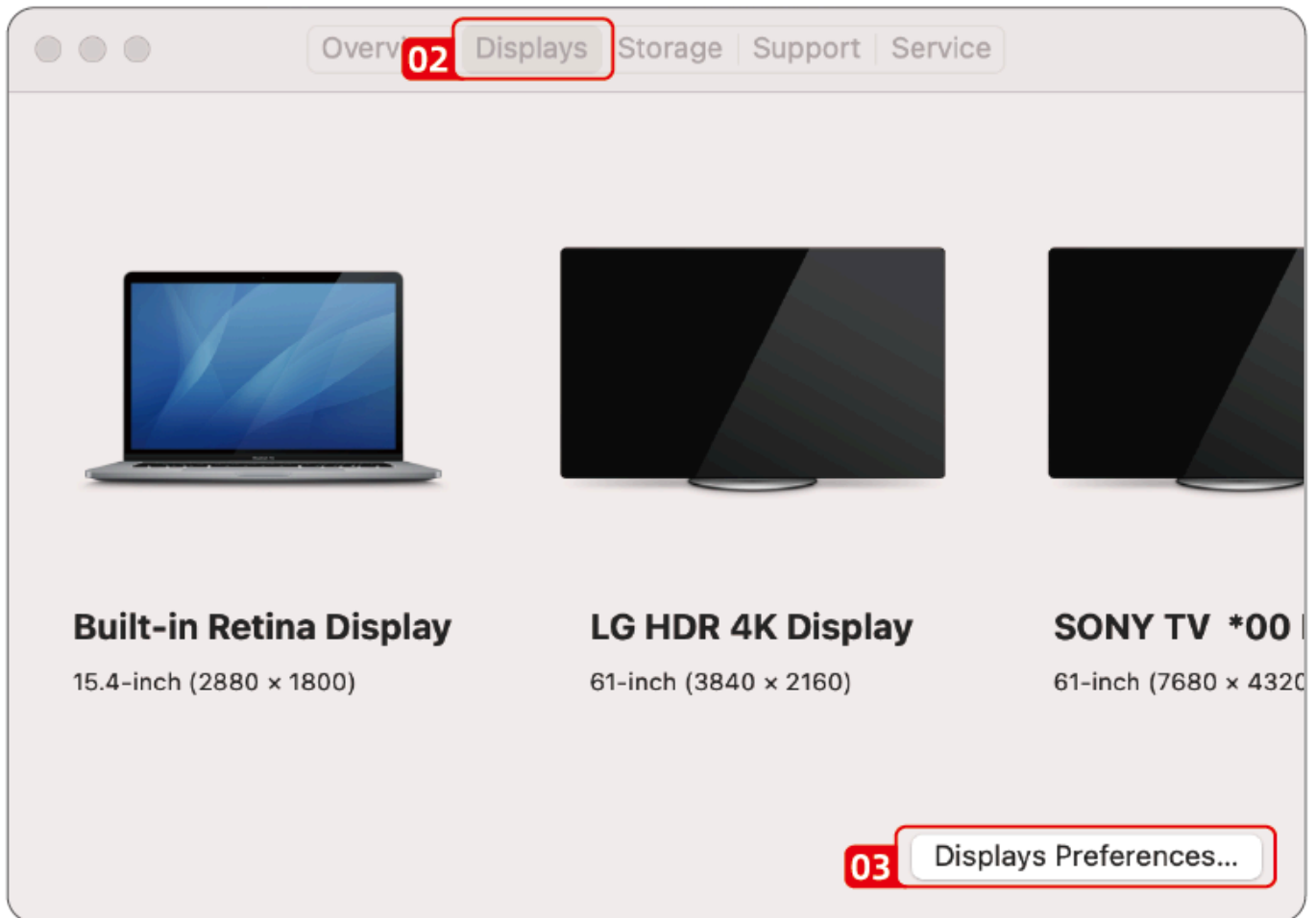


For Mac OS

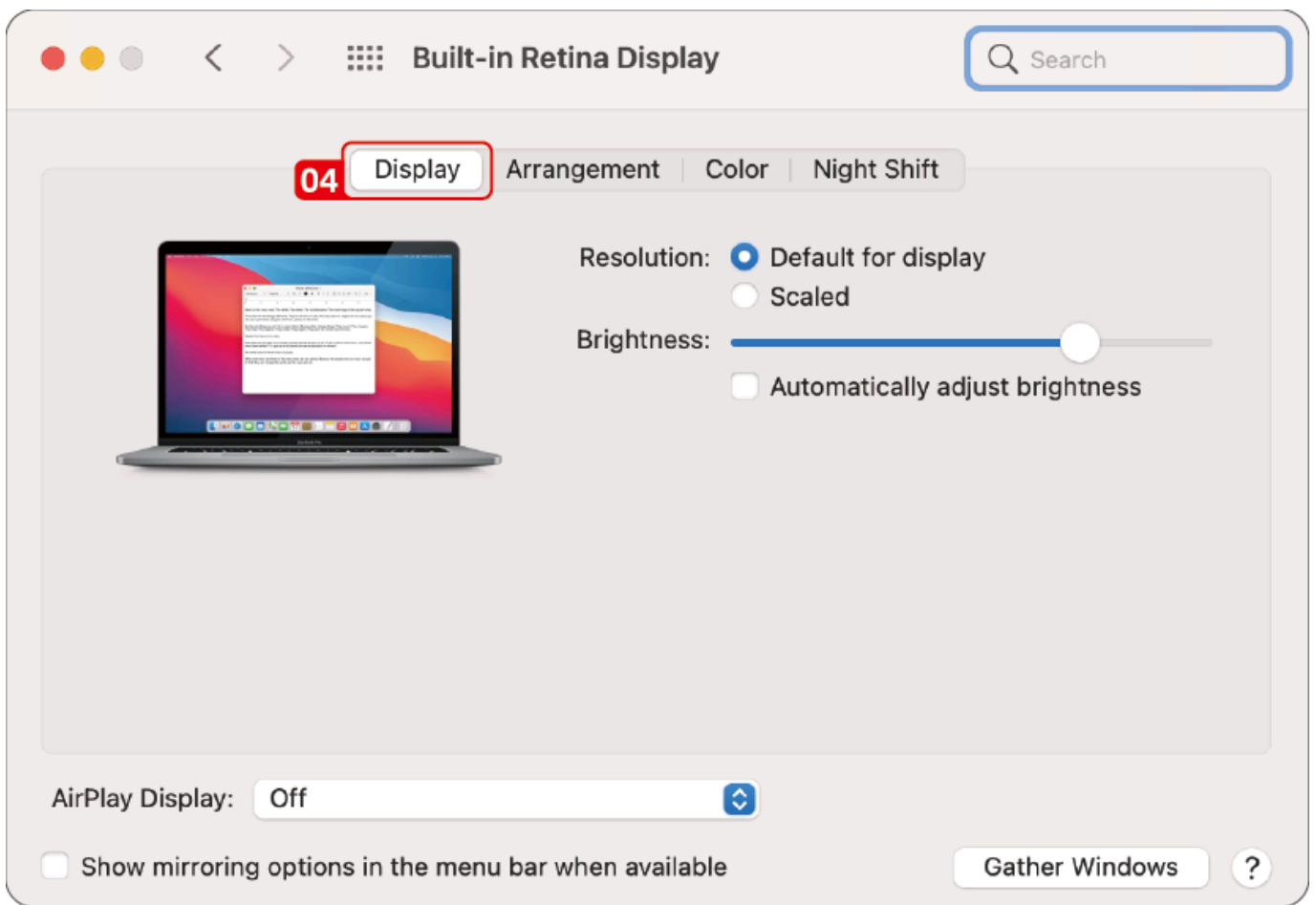
1. Click **Apple** icon, then select **About This Mac**.



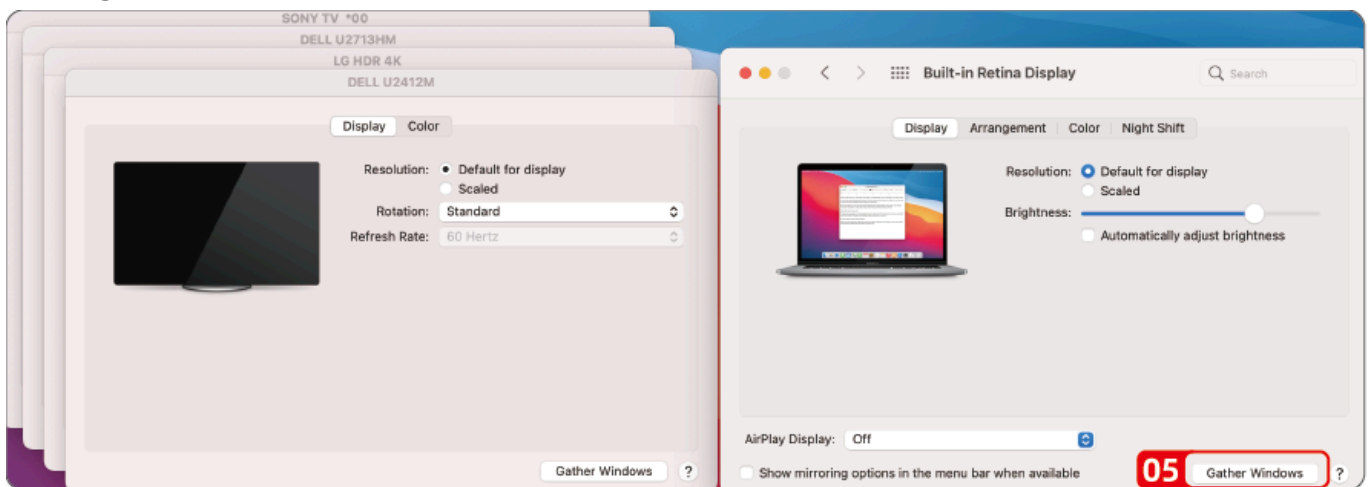
2. Click **Displays**, then select **Displays Preferences**.



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

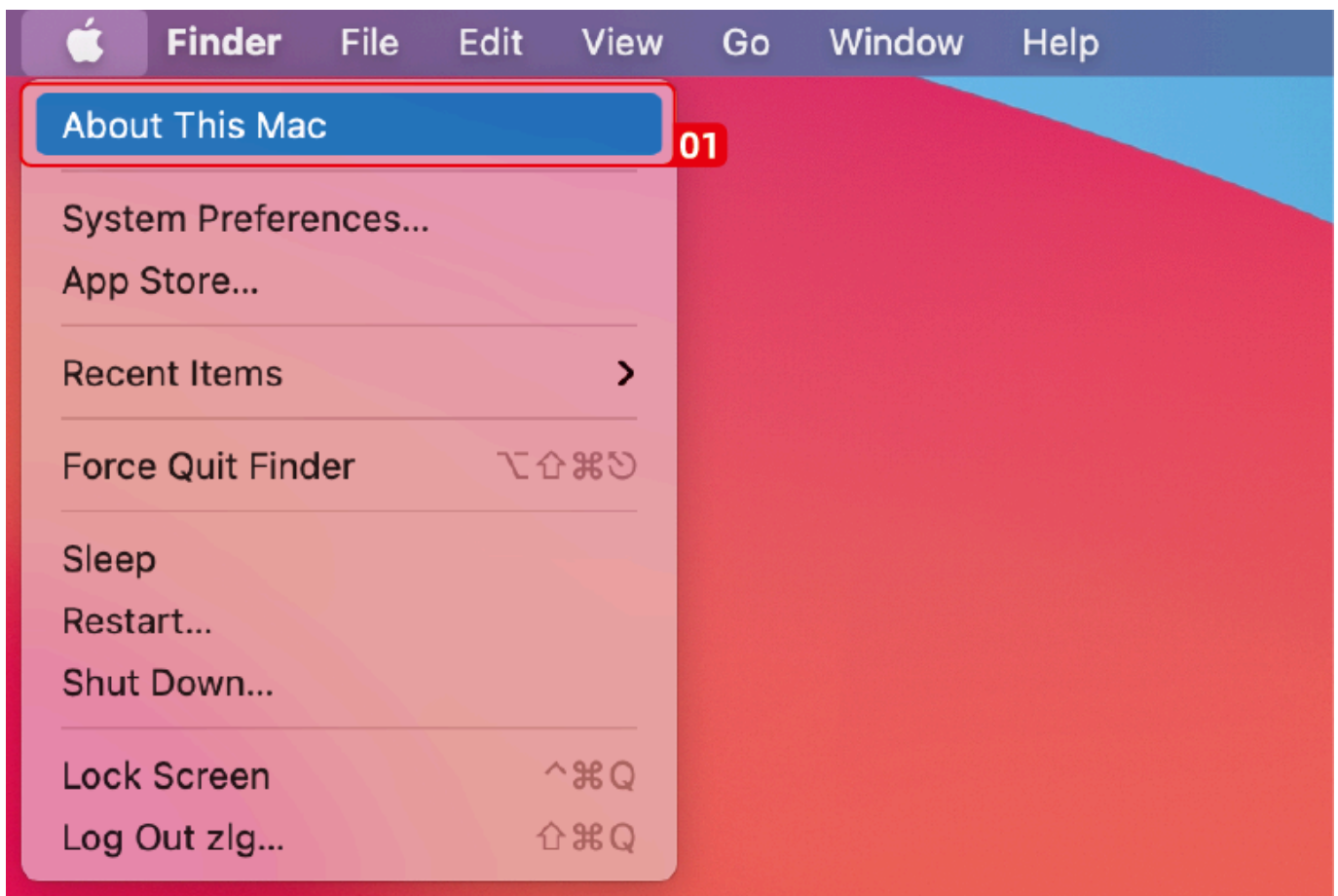


4. Or click **Gather Windows** to gather all connected displays and make separate settings.

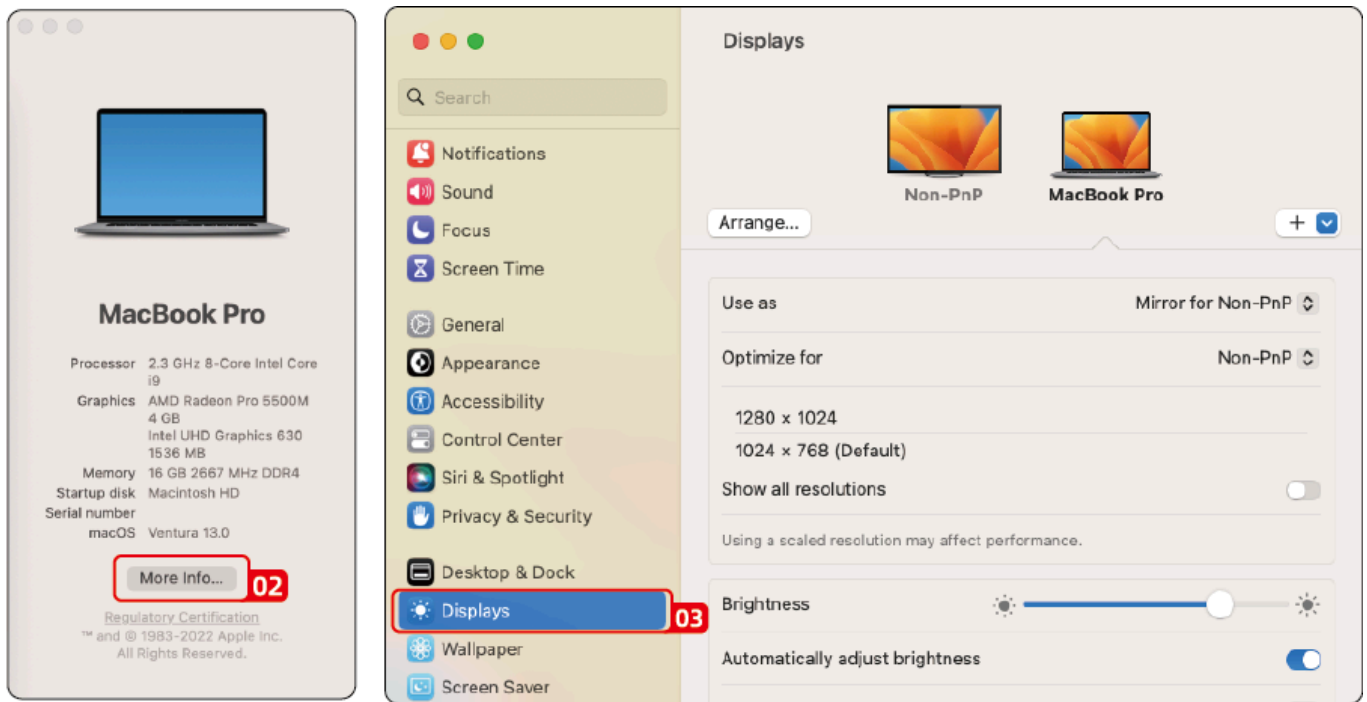


For Mac OS X13

1. Click **Apple** icon, then select **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 5 FAQ and After-sale Service

This chapter contains the following sections :

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

FAQ

Q1. Why is there no display signal on monitor after pairing successfully with TX from phone/tablet?

A1. Please ensure the Type-C port on the phone is full-functional(Data Transfer, Power Delivery and DP Alt Mode).

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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!**