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WAVLINK UMD03 USB C Laptop Docking Station User Guide

Contents

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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 signs of breakage.
  - The equipment has not been working well or you cannot get it to work according to the Quick Start Guide.

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Disclaimer
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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 with 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 the 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 a data transfer rate of 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 needs.
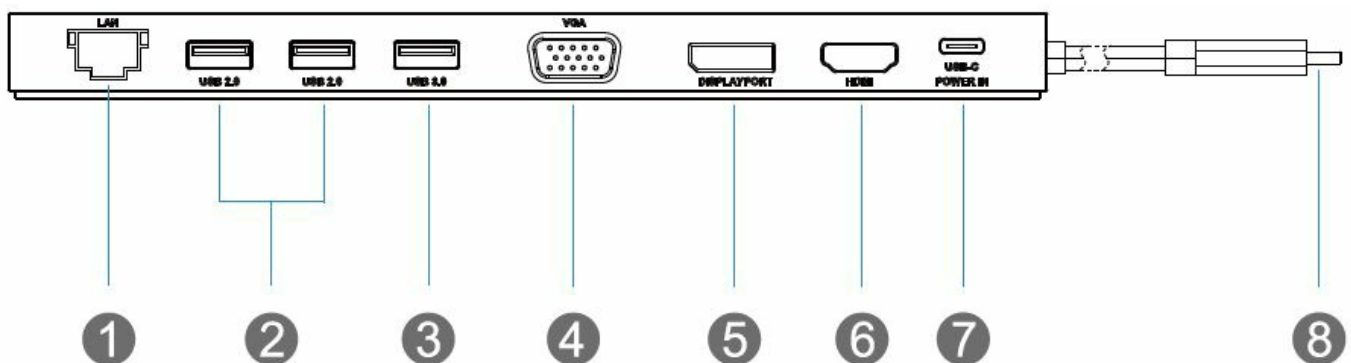- **RJ45 Gigabit Ethernet**
  Gigabit Ethernet port provides a high-speed network and is backward compatible with 10/100Mbps networks.
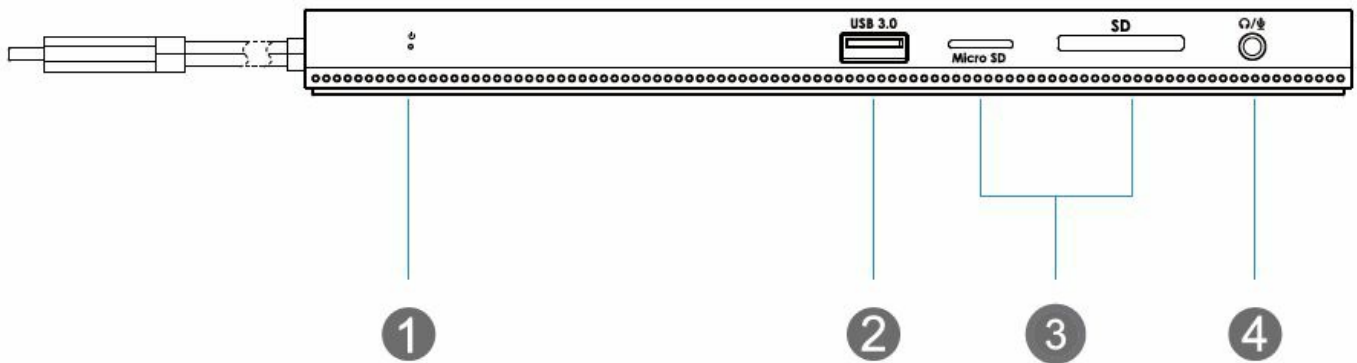- **SD/TF Card Reader**
  Support SD V2.0/SDHC(Up to 32GB), compatible with SDXC(Up to 2TB).

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, Data Transfer)

Single Display

Video Port		DP	HDMI	VGA
DP version of PC/laptop	DP 1.2	3840 x 2160@30Hz	3840 x 2160@30Hz	1920 x 1080@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 the MAC OS system, you need to install the network port driver manually, please visit **www.wavlink.com** > Support > Driver > PC peripherals > USB Docking.

1. Connect the USB-C connector of the dock to your host laptop/PC, and the LED light on the dock will turn blue.
2. Connect your monitors) to the 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 the monitor resolution, please check Q3 for details.
2. Before you connect the three monitors, we suggest you disconnect the laptop/PC first, please check Q2 for details.

Remarks for Mac-based PCs/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 monitors) will copy the same content on your extended monitor.
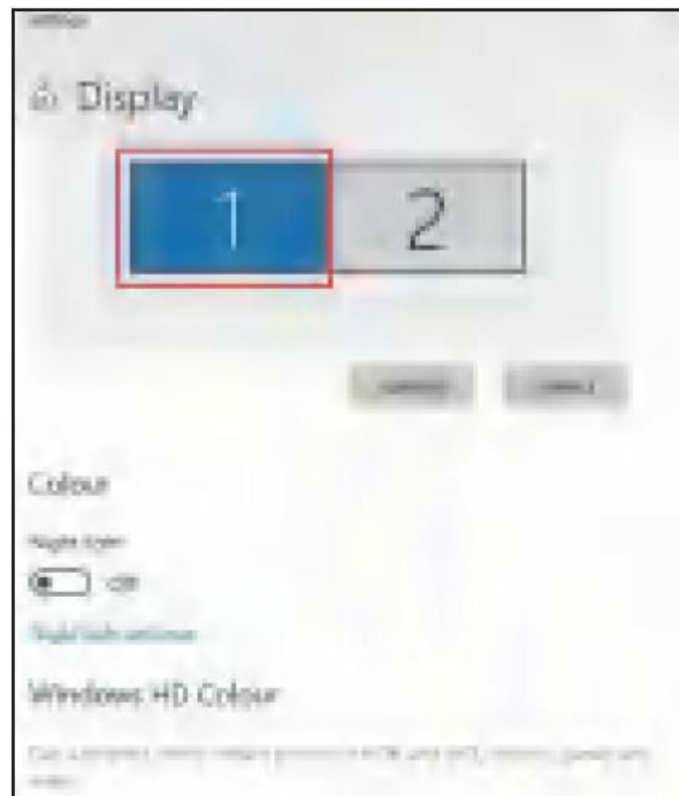
Display Mode Setting

For Windows Users

1. Right-click at any spot on your desktop and select "Display settings".
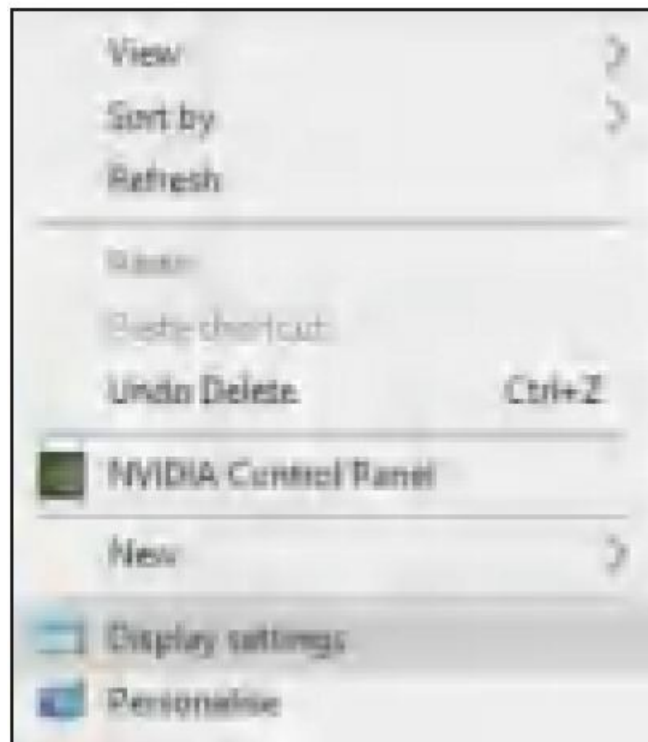
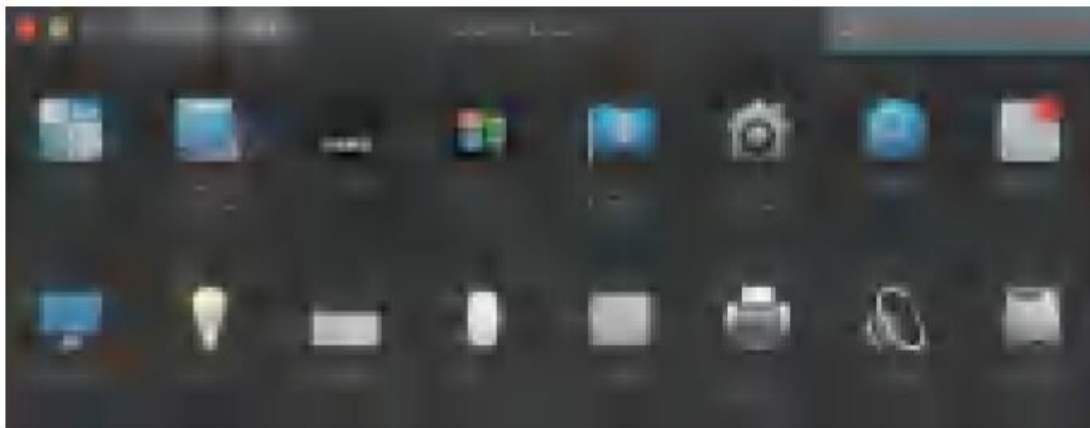2. On "Display", please select either monitor 1 or monitor 2.

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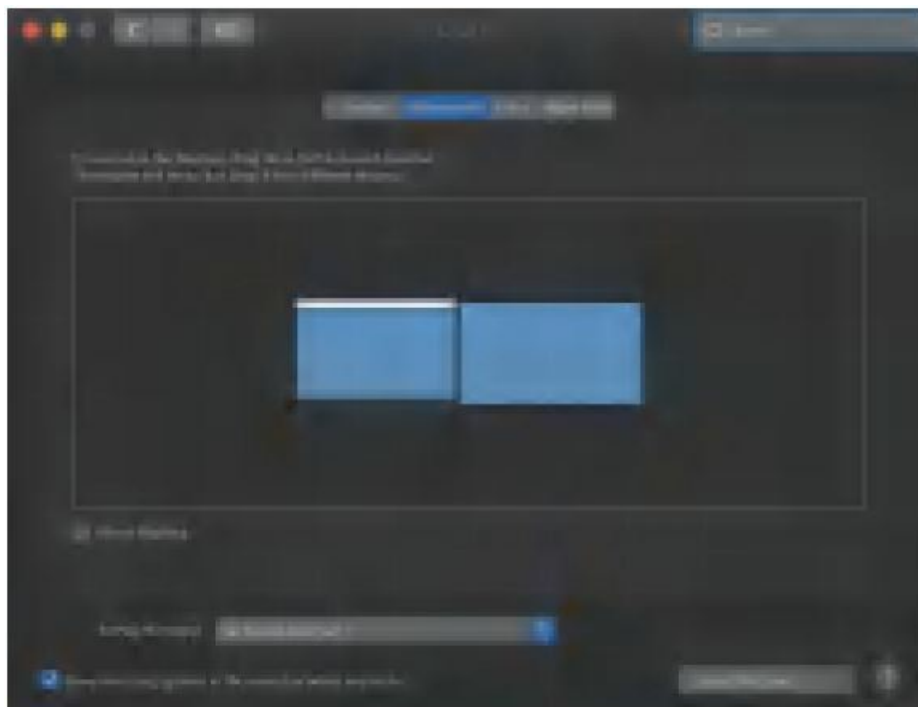
For MacOS Users

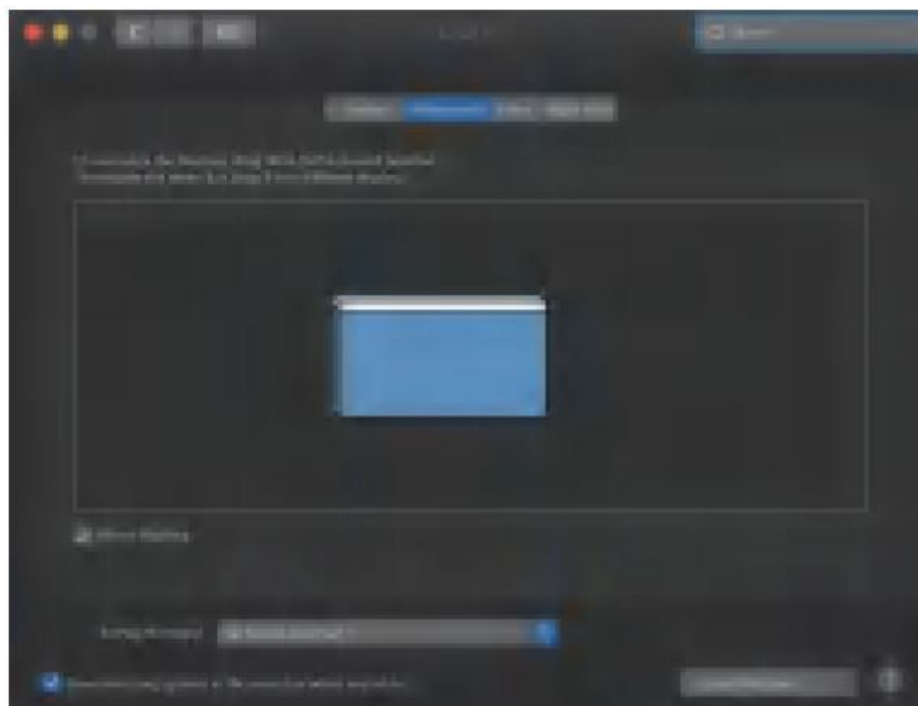1. Select "System Preferences" and choose "Displays".

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

Extended Mode

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

Mirror Mode

Q&A

Q1. How to figure out the maximum resolution (DP1.2/DP1.4) my laptop supports?
A1.

1. Firstly check the Graphics card version of your laptop:
   - Find "display adapter" in "Device Manager".
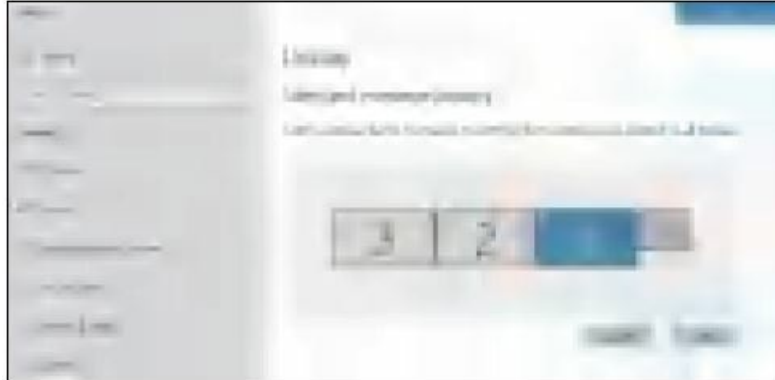2. Check the information on Intel processors for details
   https://www.intel.com/content/www/us/en/support/products/80939/graphics-drivers.html.

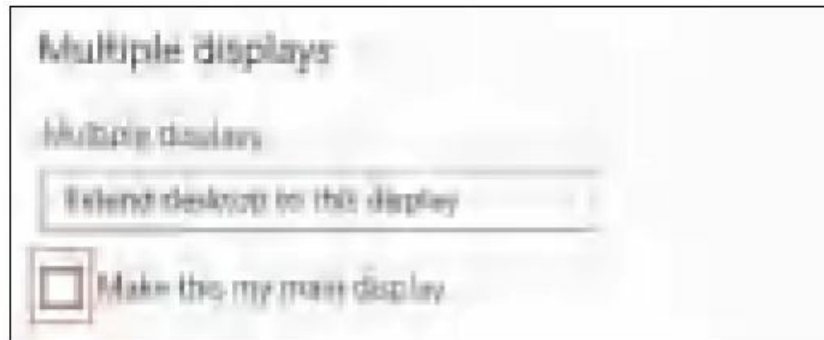**Q2. Why doesn't my third monitor display when I set the triple display mode?**

A2.

Step 1: Choose the main display

1. Right-click to select "Display settings".
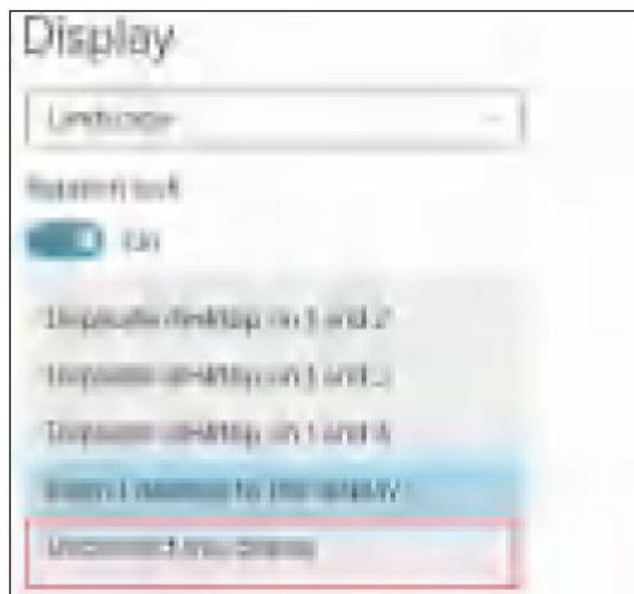2. Choose a monitor display and scroll down to "Multiple displays".


3. Mark "Make this my main display".

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", and then the laptop display panel will become disconnected.

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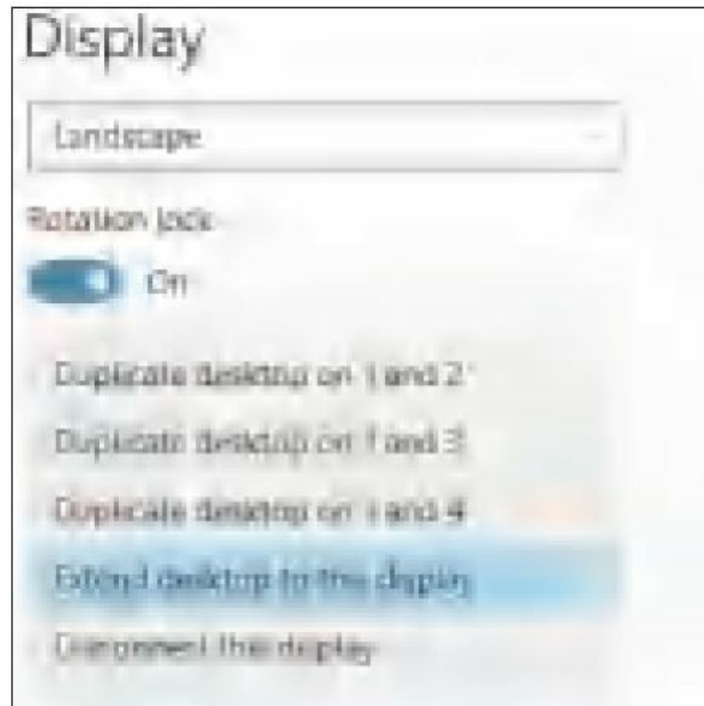
Q3: Why are my 2K and 4K monitor displays abnormal when I set dual or triple display mode?
A3. The resolution of some branded monitors cannot be adjusted automatically, the "Active signal resolution" of which is different from Windows setting "Desktop resolution", hence you better set the resolution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

1. Right-click and select "Display settings".
2. Select your monitor display and click on it, then scroll down to select "advanced settings".
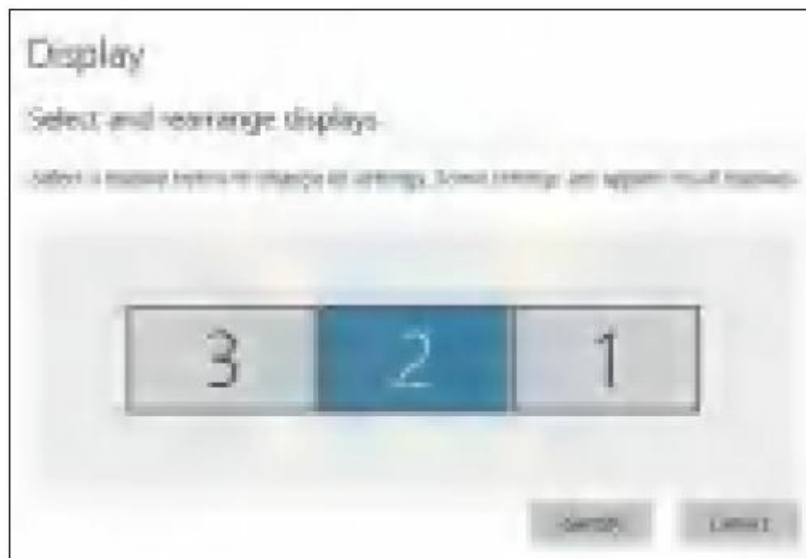
3. Check if the resolution values of each monitor on "Desktop resolution" and "Active signal resolution" are the same.
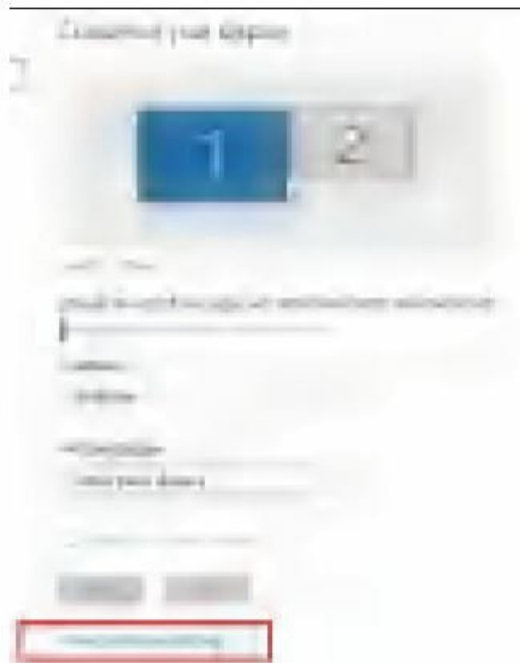
4. Click on "Display adapter properties for Display 2" and lower the resolution to the right value if the two values are different.
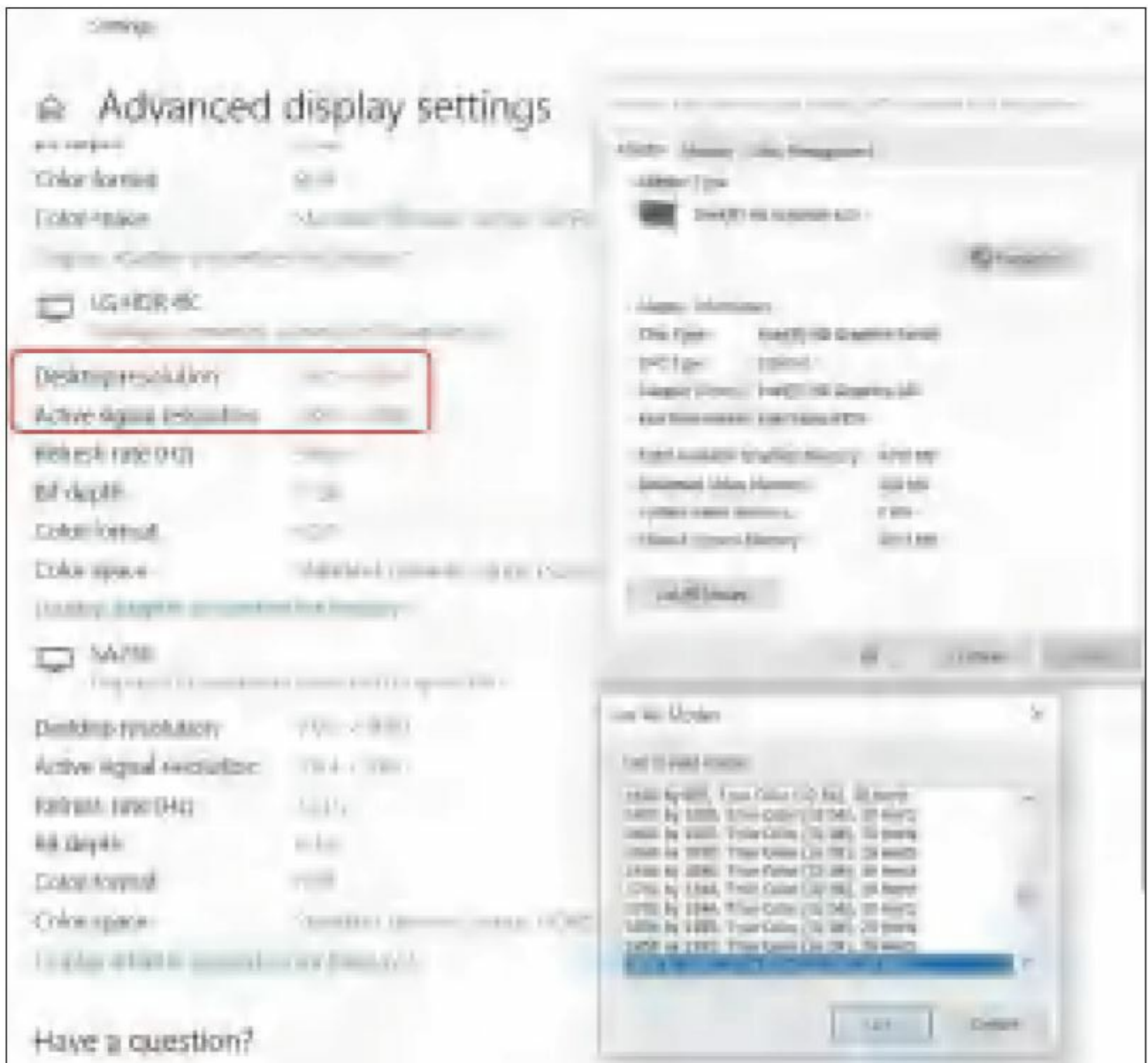
Q4. Why does it show "slow charging" on my laptop?

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

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 TVs and PC monitors start to build in HDR-10 with HDCP2.2 to support. 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 content with applications like Netflix and YouTube, make sure in Windows 10 the "Stream HDR Video" setting is "on" in the 'Video playback' settings page.

Notice:
When used 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.

- **Official website: www.wavlink.com**.
- **Technical support: support@wavlink.com**.

Documents / Resources

	WAVLINK UMD03 USB C Laptop Docking Station [pdf] User Guide
	UMD03 USB C Laptop Docking Station, UMD03, USB C Laptop Docking Station, Laptop Docking Station, Docking Station

References

- **User Manual**