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QUICK START GUIDE

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

Scan the QR code or load the link for
Quick Start Guide and Driver downloading

WL-UMD05M

WAVLINK (@WavlinkOfficial)
WAVLINK SUPPORT (@WavlinkTechSupport)

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 sign of breakage.
• The equipment has not been working well or you cannot get it work
  according to quick start guide.

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any commercial damage, including but not limited to special,
incidental, consequential, or other damage.

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

Built in a slim, light, and unique design, the MST dock is designed to meet more demands of extra USB peripherals and monitors. To extend or duplicate the content of your AV sources, you can select either DP or HDMI port for display of high resolution.
Besides, you can also connect your laptop to the upstream USB-C port and get it charged, The dock also provides you with two USB-C 10Gbps and four USB-A 5Gbps interfaces to enable you to enjoy high-speed data transfer.

Features

USB Power Delivery

The upstream USB-C port is compliant with USB power delivery specification revision 3.0 and supports up to 65W power supply.
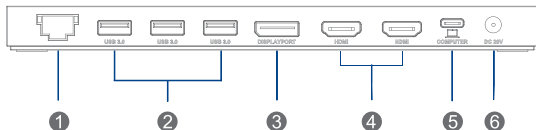
USB Data Transmission

Two USB-C transfer speed up 10Gbps, and four USB-A transfer speed up to 5Gbps, one of USB-A supports BC 1.2 fast charging and are backward compatible with USB 2.0.
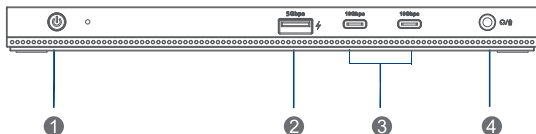
Single DP 8K@30Hz/4K@144Hz Display
One DP and two HDMI work for triple video output, supporting single DP Max. 4K@144Hz/8K@30Hz, and dual 4K@60Hz.

Overview

① Gigabit Ethernet port   ② USB-A 5Gbps port

③ DisplayPort   ④ HDMI port

⑤ Upstream USB-C port   ⑥ Power port DC (20V/5A)

① Power button   ② USB-A 5Gbps with BC 1.2 charging

③ USB-C 10Gbps   ④ 3.5mm 4-pole jack

System Requirement

Windows 10 or later
Mac OS 10.15 or later
CPU i5 or higher, RAM 8GB or above
Requires that laptop supports PD 3.0
Laptop with full-functional USB-C port
(Power Delivery + DisplayPort Alt Mode + Data Transfer)

Single Display

Video Port		System	DP	HDMI 1	HDMI 2
DP Version	HBR 2(DP1.2)	Windows	3840×2160@30Hz	3840×2160@30Hz	3840×2160@30Hz
		Mac	4K@30Hz		
	HBR 3(DP1.4)	Windows	7680×4320@30Hz or 3840×2160@144Hz	3840×2160@60Hz	3840×2160@60Hz
		Mac	3840×2160@60Hz		

Dual Display

Video Port		System	DP+HDMI 1/HDMI 2	HDMI 1+HDMI 2
DP Version	HBR 2 (DP1.2)	Windows	1920×1080@60Hz + 1920×1080@60Hz	1920×1080@60Hz + 1920×1080@60Hz
		Mac	4K@30Hz	
	HBR 3 (DP1.4)	Windows	3840×2160@75Hz + 3840×2160@60Hz	3840×2160@60Hz + 3840×2160@60Hz
		Mac	3840×2160@60Hz + 3840×2160@60Hz	

Triple Display

Video Port		System	DP+HDMI 1+HDMI 2
DP Version	HBR 2 (DP1.2)	Windows	1920×1080@60Hz+1920×1080@24Hz+1600×900@60Hz
		Mac	4K@30Hz
	HBR 3 (DP1.4)	Windows	3840×2160@60Hz+3840×2160@60Hz+3840×2160@30Hz
		Mac	3840×2160@60Hz+3840×2160@60Hz+3840×2160@60Hz

* Above resolution is the maximum output supported, the specific resolution by monitor EDID determined.

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 > SUPPORT > Driver > PC Peripherals > WL-UMD05M 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: Q6 for details.

2. Connect the USB-C connector of the dock to your host PC/Laptops, the LED light on the dock will turn blue.

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.

Note:
If you want to use the 3 displays with your PC/laptop simultaneously, please make sure that the Graphics card of the USB-C port supports **at least 4 displays** of DP ALT Mode, including your PC's own screen. Check with your PC manufacturer on this. If your Graphics card doesn't support 4 displays, please check Q&A: Q8 for details.

Remarks for Windows based PC/laptops:
1. Before you connect two or three monitors, we suggest you lower monitor resolution, please check Q&A: Q9 for details.
2. Before you connect three monitors, we suggest you disconnect PC/laptop first, please check Q&A: Q8 for details.

Remarks for Mac based PC/laptops:
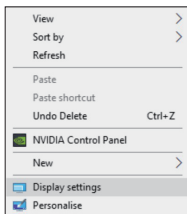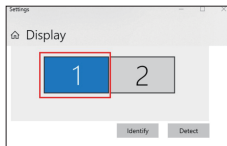- Mac OS is Single-Stream Transport mode, so only one video source can be output such as ABB or ABBB(A is the primary display).
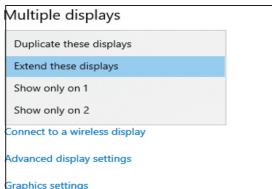
For Windows Users

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

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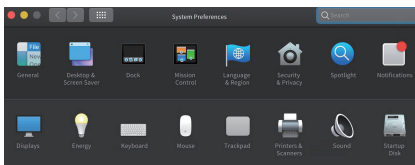

3. Scroll down to the **"Multiple displays"**, and select the mode in the drop-down list that is fit for your need.
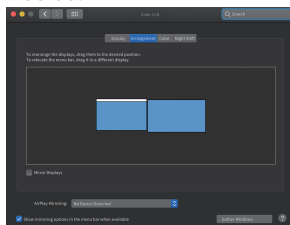
For Mac OS Users

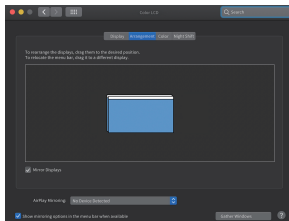1. Select "**System Preferences**" and choose "**Displays**".

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

Extend Mode

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

Mirror Mode

Q & A

Q1. What is DP1.2, DP1.4?
A1. DP (DisplayPort) is a video interface standard. It has two versions: DP 1.2 and DP 1.4. Only the USB-C port featuring DisplayPort Alt Mode, which is an alternate mode for video, can output video properly.

Q2. How do I figure out the DP version of my laptop?
A2. 1. Check your laptop brand, model and graphics model.
2. Consult the laptop official customer service.

Q3. What is DisplayPort Alt Mode (DisplayPort Alternate mode)?
A3. DisplayPort Alt Mode is an extended function of the USB-C interface, and it outputs video through the Type-C interface, which can replace the traditional display interface.

Q4. What is DSC (Display Stream Compression)?
A4. DSC (Display Stream Compression) is a technology that compresses image data and then transmits it so that high-resolution content can be output with low bandwidth, that ensures visual distortion-free and low-latency image performance after compression.

Q5. What is HBR?
A5. HBR (High Bit Rate) indicates the ability to display bandwidth.

Q6. My Laptop/PC supports PD and DP ALT MODE, why is it still not working properly?
A6. Please try to update the PC/Laptop's BIOS, Graphics Card and other Drivers to the latest version, or contact our Customer Service.
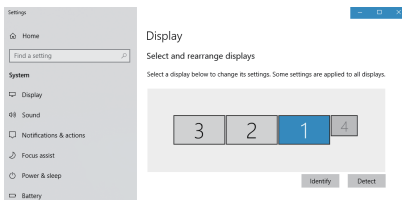
Q7. Why does it show "slow charging" on my laptop?

A7. Some users may notice that the charging status shows "**slow charging**", this is because some series of laptop have protection protocol, especially laptops that have both Thunderbolt 3 port and over 100W external DC power adapter. Please solve it by using laptop provided external power adapter to charge.

Q8. Why doesn't my third monitor display when I set the triple display mode?

A8. **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 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.

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

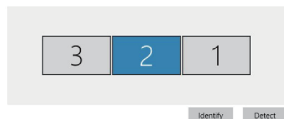**Q9.** Why are my 2K and 4K monitor display abnormal when I set dual or triple display mode?

A9. 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'd better set the resolution at the same value.

1. Right-click and select"**Display settings**"
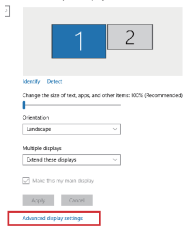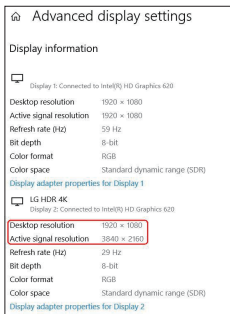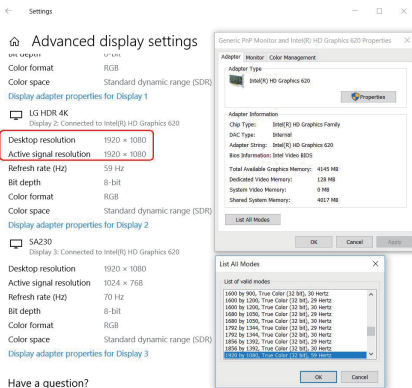2. Select your monitor display and click on it, then scroll down to select"**Advanced settings**".

3. Check if 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 two values are different.

Need help?

We're here for you!

Online support: wavlink.com
Available Mon-Fri 8:30 am-5:30pm (UTC+8)

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