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QUICK START GUIDE

USB-C Triple Display Docking Station

www.wavlink.com/en_us/WL-UMD01R
Scan the QR code or load the link for Quick Start Guide and Driver downloading

WL-UMD01R

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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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 slim, light and miniature case, it 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.

In addition, you can also connect your laptop to the upstream USB-C port and get it charged. The dock also provides you with three USB 3.0 interfaces so as 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 65W.

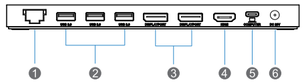
USB Data Transmission
The MST dock has three USB 3.0 ports, providing your devices plenty of connection possibilities with data transfer rate up to 5Gbps.

Triple Display
This MST dock has 3 video ports, you can either select one port or combine two or all three of them for your own need.

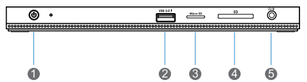
RJ45 Gigabit Ethernet
Gigabit Ethernet port provides high-speed network and is backward compatible with 10/100Mbps.

SD/TF Card Reader
Support SD Ver 3.01, SD&Micro SD Card transfer speed up to 104MB/s. Support Card Reader SDHC/SDXC (Capacity up to 2TB).

Overview



1. Gigabit Ethernet port
2. 3 x USB 3.0 port
3. 2 x DisplayPort
4. 1 x HDMI port
5. Upstream USB-C port
6. Power port



1. Power button
2. USB 3.0 port with BC 1.2 fast charging
3. Micro SD card reader
4. SD card reader
5. 4-pole phone jack

System Requirement

- Windows 10 or later
- Mac OS 10.15 or later
- CPU i7 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)

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 > USB DOCKING > WL-UMD01R 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.

Single Display

		DP1	DP2	HDMI
Windows MST	HBR2 (DP1.2)	3840 x 2160@30Hz	3840 x 2160@30Hz	3840 x 2160@30Hz
	HBR3 (DP1.4)	3840 x 2160@30Hz	3840 x 2160@30Hz	3840 x 2160@60Hz
	HBR3+DSC (DP1.4)	3840 x 2160@120Hz	3840 x 2160@120Hz	3840 x 2160@60Hz
Mac OS SST	HBR2 (DP1.2)	3840 x 2160@30Hz	3840 x 2160@30Hz	3840 x 2160@30Hz
	HBR3 (DP1.4)	3840 x 2160@30Hz	3840 x 2160@30Hz	3840 x 2160@60Hz
	HBR3+DSC (DP1.4)	3840 x 2160@120Hz	3840 x 2160@120Hz	3840 x 2160@60Hz

Dual Display

		Dual DP	DP+HDMI
Windows MST	HBR2 (DP1.2)	Dual 1920 x 1080@60Hz	Dual 1920 x 1080@60Hz
	HBR3 (DP1.4)	Dual 2560 x 1440@60Hz	Dual 2560 x 1440@60Hz
	HBR3+DSC (DP1.4)	Dual 3840 x 2160@60Hz	Dual 3840 x 2160@30Hz
Mac OS SST	HBR2 (DP1.2)	Dual 3840 x 2160@30Hz	Dual 3840 x 2160@30Hz
	HBR3 (DP1.4)	Dual 3840 x 2160@30Hz	Dual 3840 x 2160@30Hz
	HBR3+DSC (DP1.4)	Dual 3840 x 2160@30Hz	Dual 3840 x 2160@30Hz

Triple Display

		DP1+DP2+HDMI
Windows MST	HBR2 (DP1.2)	Dual 1920 x 1080@30Hz + One 1280 x 720@60Hz
	HBR3 (DP1.4)	Triple 1920 x 1080@60Hz
	HBR3+DSC (DP1.4)	Dual 3840 x 2160@30Hz + One 1920 x 1080@60Hz
Mac OS SST	HBR2 (DP1.2)	Triple 3840 x 2160@30Hz
	HBR3 (DP1.4)	Triple 3840 x 2160@30Hz
	HBR3+DSC (DP1.4)	Triple 3840 x 2160@30Hz

* The above resolutions are factory test results; The resolution may be different depending on the actual situation of the computer and monitor.

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.

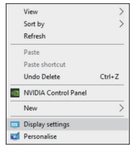
Remarks for Windows based PC/laptops:
1. Before you connect two or three monitors, we suggest you lower monitor resolution, please check Q&A: Q9 for details.
2. Before you connect three monitors, we suggest you disconnect PC/laptop first, please check Q&A: Q8 for details.

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).

Display Mode Setting

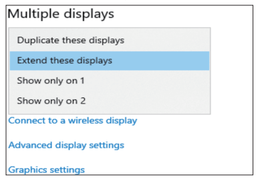
For Windows Users

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



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

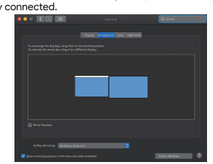
3. Scroll down to the "**Multiple displays**", and select the mode in the drop-down list that is fit for your need.



For Mac OS Users

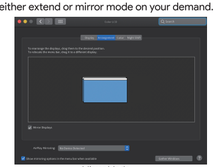
1. Select "**System Preferences**" and choose "**Displays**".

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.

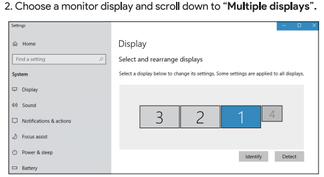
Q4. What is DSC (Display Stream Compression)?
A4. DSC (Display Stream Compression) is a technology that compresses image data and then transmits it so that high-resolution content can be output with low bandwidth, and that ensures visual distortion-free and low-latency image performance after compression.

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

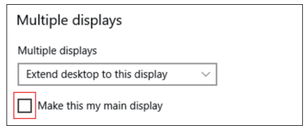
Q6. My Laptop/PC supports PD and DP ALT MODE, why is it still not working properly?
A6. Please try to update the PC/Laptop's BIOS, Graphics Card and other Drivers to the latest version, or contact our Customer Service.

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.

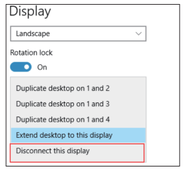
Q8. Why doesn't my third monitor display when I set the triple display mode?
A8. **Step 1:** Choose the main display
1. Right-click to select "**Display settings**".
2. Choose a monitor display and scroll down to "**Multiple displays**".



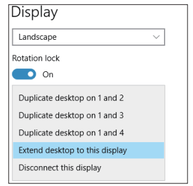
3. Mark "**Make this my main display**".



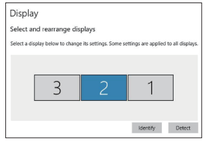
Step 2: Disconnect laptop display
1. Select the laptop display ("**1**" is the default display for laptop) and scroll down to "**Multiple displays**".
2. Select "**Disconnect this display**", then laptop display panel will become disconnected.



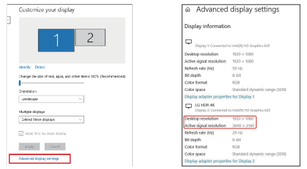
Step 3: Turn on the third monitor display
1. Choose the remaining monitor display then scroll down to "**Multiple displays**".
2. Select "**Extend desktop to this display**" to enable this display.



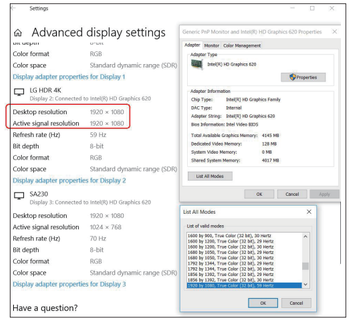
Q9: Why are my 2K and 4K monitor display abnormal when I set dual or triple display mode?
A9. The resolution of some branded monitors cannot be adjusted automatically, the "**Active signal resolution**" of which is different from Windows setting "**Desktop resolution**", hence you'd better set the resolution 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.



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