

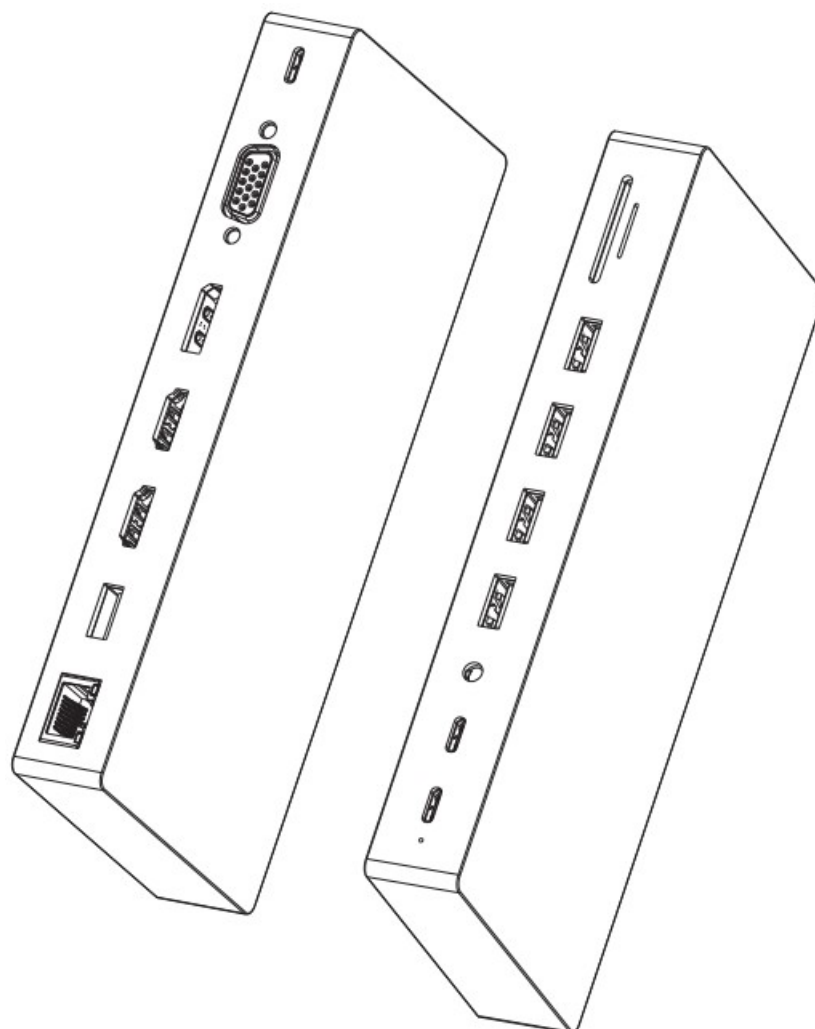


VVB DX0104 Quadruple Display USB C Docking Station Instruction Manual

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Instruction Manual
Quadruple Display USB-C Docking Station



Model:DX0104

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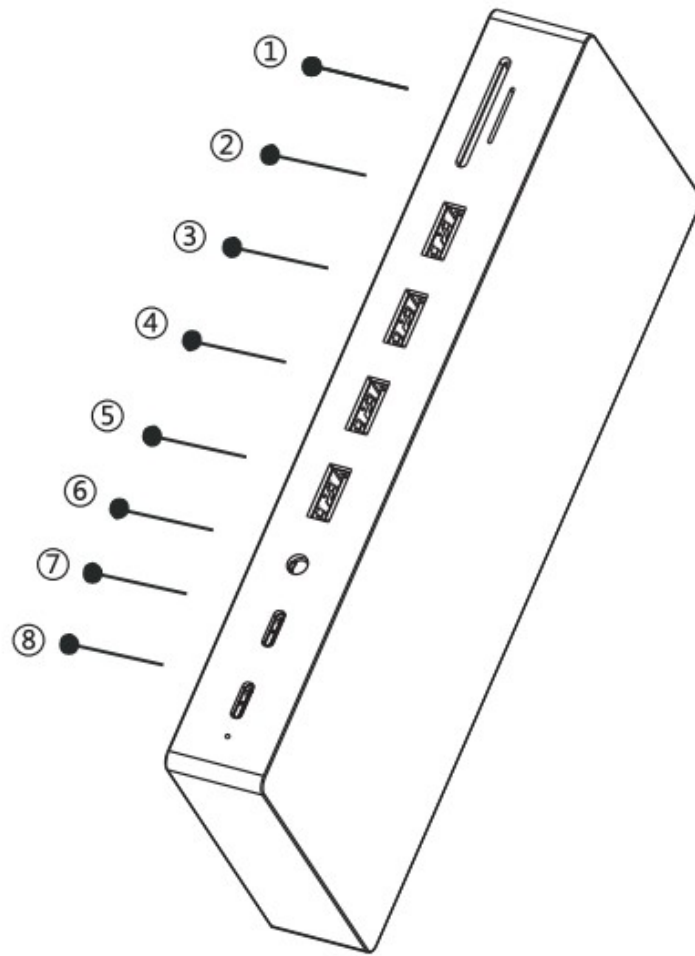
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Product Introduction

This USB-C Docking Station is designed for extra connectivity demands which you can extend the connection of a computer to multiple devices via USB-C interface. In addition, the docking station is equipped with 4 display video outputs. With Quadruple display simultaneously, it allows you to split up the content to multi-stream display devices when the system supports the function. The docking station provides all connections you need include: 2°HDMI, 1°DP and 1°VGA ports. The resolutions of HDMI is up to 4K@80Hz [when the Host side is DisplayPort (DP) v1.4 (HBR3)] Enjoy the speedy transmission and excellent picture quality of 4K video.

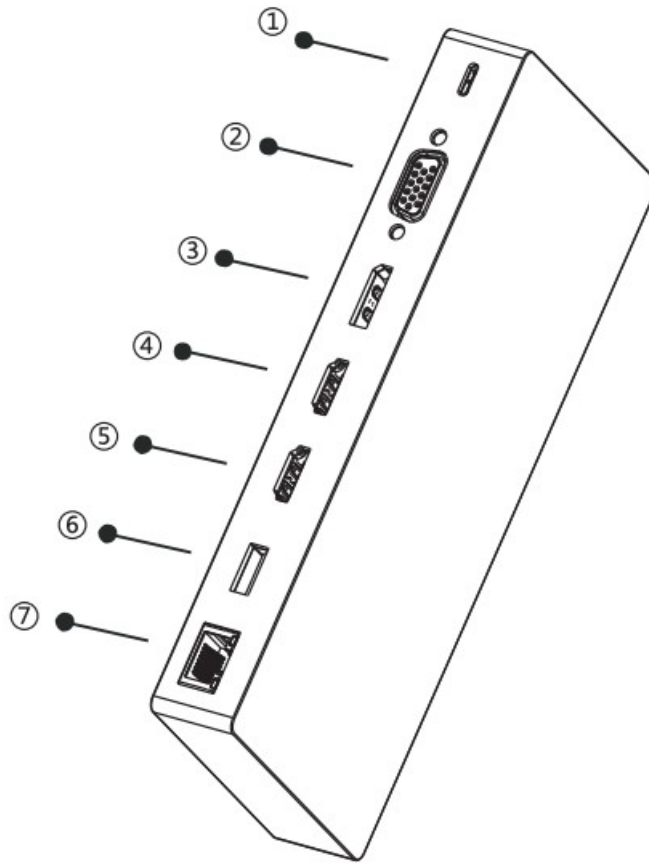
Structure Diagram

Front



1. SD & Micro SD Card Reader
2. USB-A2.0 Te
3. use-A30 s
4. A2 oy
5. USB-A3.2
6. Audio&Mic
7. USB-C 3.2
8. USB-Cinput (Host)

Back:



1. PD3.0 (only support charging)
2. VGA
3. DP
4. HDMI1
5. HDMI 2
6. USB- A 2.0
7. RJ45

Features

Front:

1. SD&Micro SD Card Reader
Read: 50=104MB/s, Write: 30-80MB/s, (Support 2 cards reading simultaneously, Data transfer rates are subject to the speed of the memory card, itself and your computer's USB ports.)
2. USB-A 2.0 : 480Mbps, 5V/0.5A @2.5W
3. USB-A 3.0 : 5Gbps, 5V/0.9A @4.5wW
4. USB-A 3.2 : 10Gbps, 5V/1.5A @7.5W
5. USB=A 3.2 : 10Gbps, 5V/1.5A @7.5W
6. 3.5mm Audio & Microphone
7. USB-C 3.2 : 10Gbps, 5V/1.5A @7.5W
8. USB-C input (Host): connect to host

Back:

1. PD3.0:

Up to 87W upstream charging the source devices such as USB-C Laptop/MacBook. Please make sure your device supports power delivery protocol.

2. VGA: Resolution up to 1080P/60Hz.

3. DP: 4Kx2K 60HZz / 3840x2160

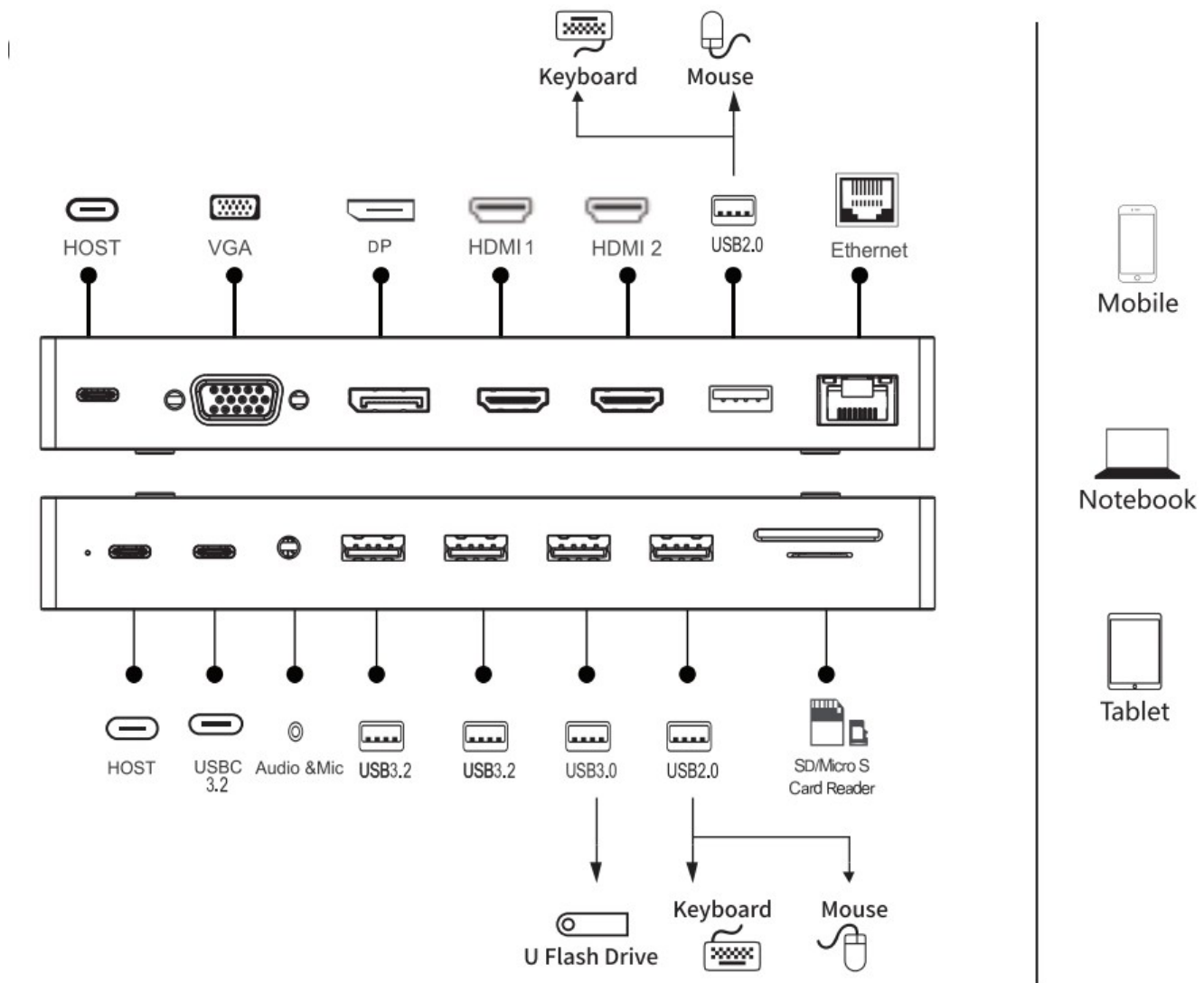
4. HDMI 1: 4Kx2K 30Hz / 3840x2160

5. HDMI 2: 4Kx2K 60Hz / 3840x2160

6. USB-A 2.0 : 480Mbps, 5V/0.5A @2.5W

7. RJ45 Gigabit Ethernet: 1000Mbps

Connection



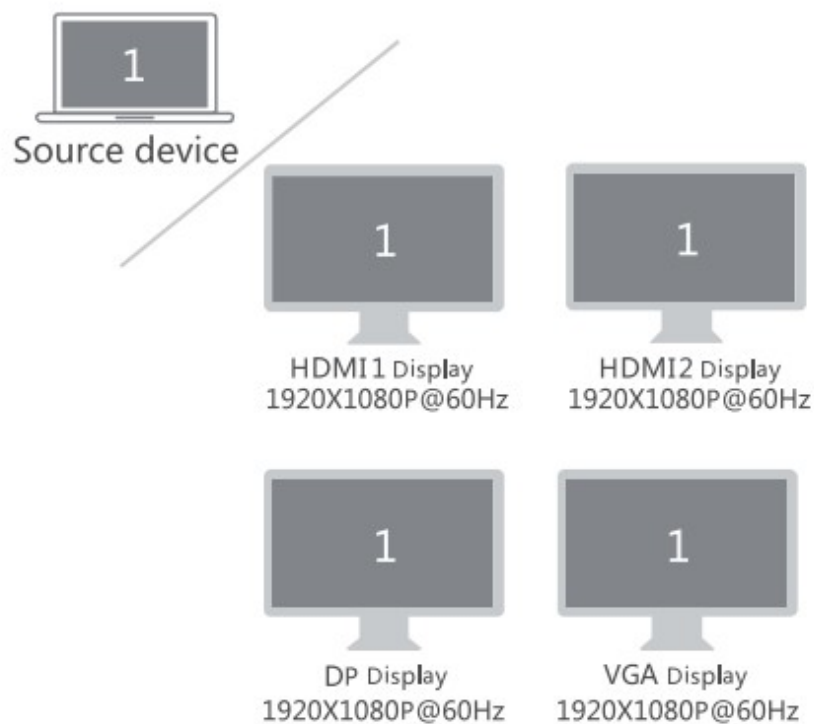
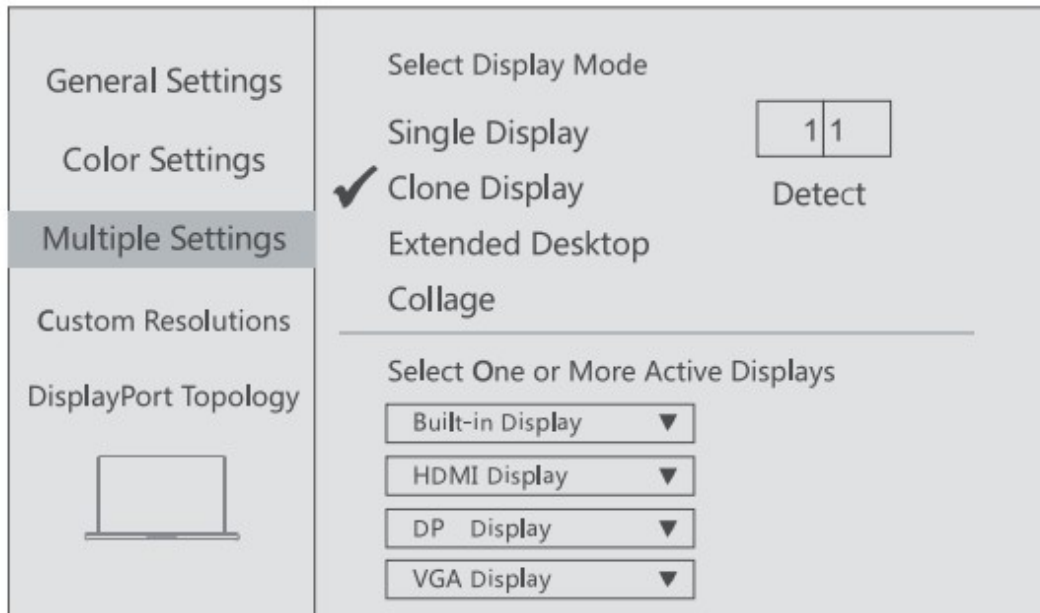
Graphics Settings for windows

For Windows systems, there are prerequisites for the simultaneous display of these 5 screens in MST and SST mode:

only under AMD graphics cards, 5 screens can be displayed at the same time. There will be a black screen on one of the 4 video output ports under Intel graphics card. You can set any screen to be black.


1. Clone mode

Right click desktop >Graphics Settings >Display



2. **Extended Desktop(NOT supported by APPLE)**

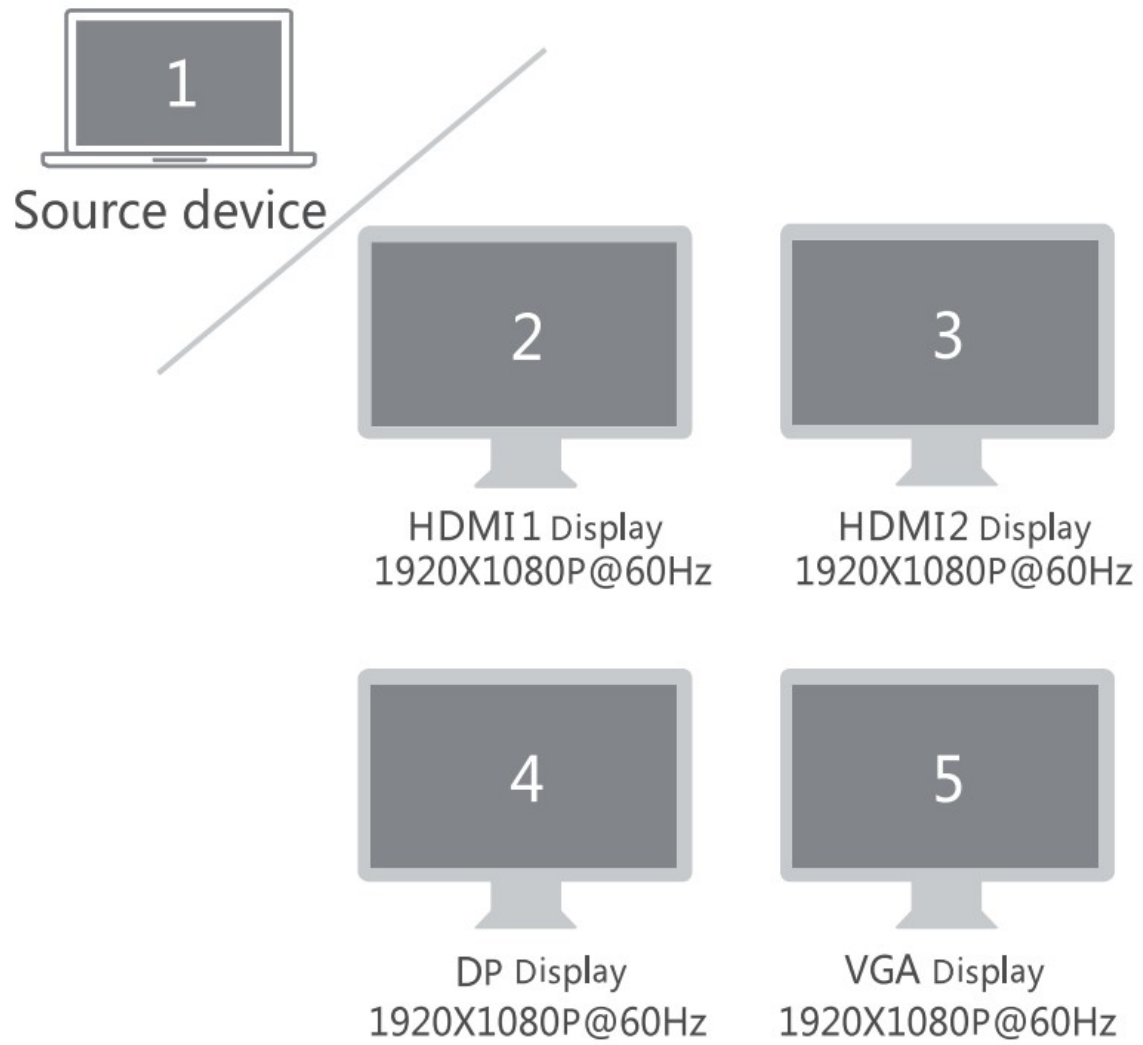
Right click desktop >Graphics Settings > Display

General Settings	Select Display Mode								
Color Settings	Single Display <table border="1"><tr><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr></table>	1	2	3	4	5			
1	2	3	4	5					
Multiple Settings	Clone Display Detect								
Custom Resolutions	<input checked="" type="checkbox"/> Extended Desktop								
DisplayPort Topology	Collage								
	<hr/> Select One or More Active Displays <table border="1"><tr><td>Built-in Display</td><td>▼</td></tr><tr><td>HDMI Display</td><td>▼</td></tr><tr><td>DP Display</td><td>▼</td></tr><tr><td>VGA Display</td><td>▼</td></tr></table>	Built-in Display	▼	HDMI Display	▼	DP Display	▼	VGA Display	▼
Built-in Display	▼								
HDMI Display	▼								
DP Display	▼								
VGA Display	▼								

Note:

For Wins system, if the source is DP1.4 and it only uses HDMI and DP port(NO VGA) when connecting multiple monitors, then:

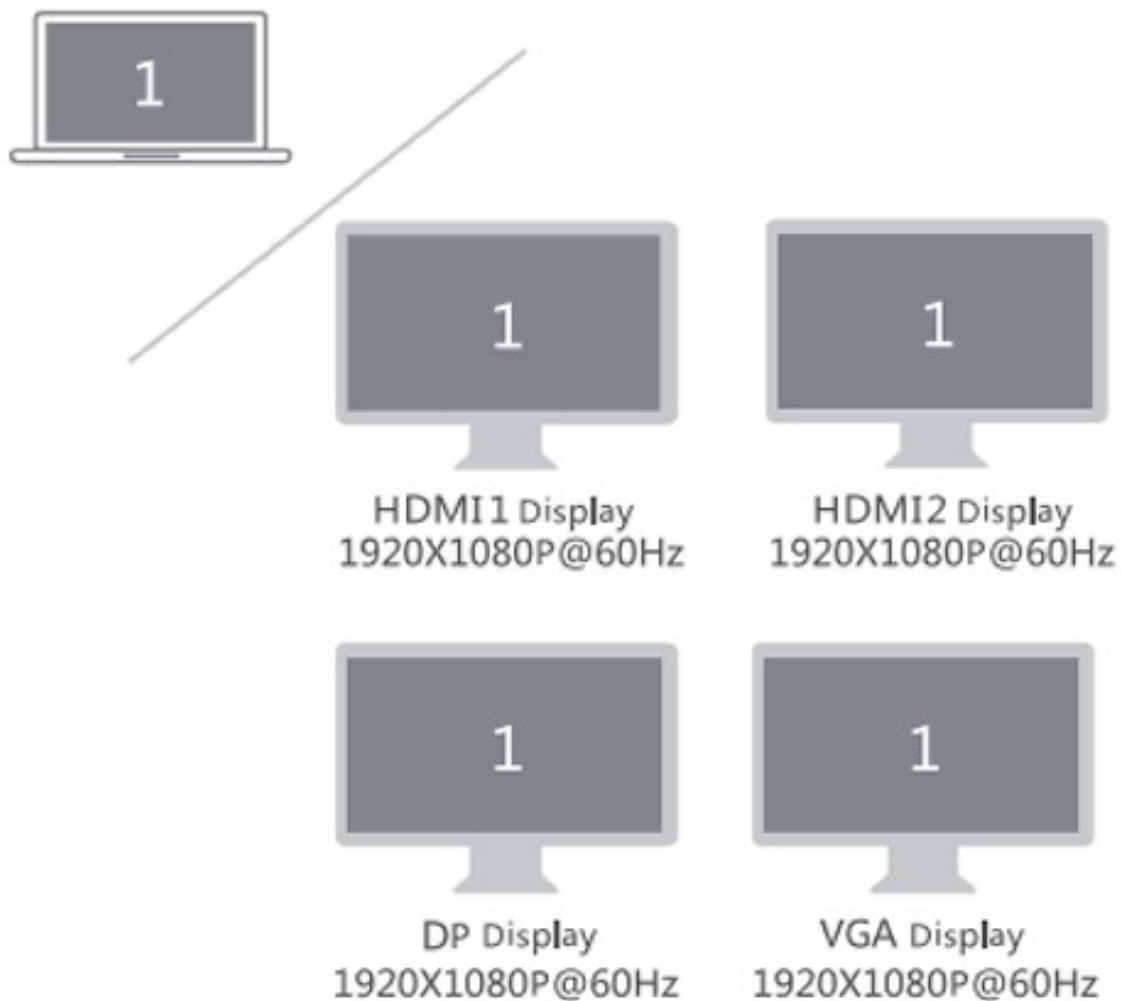
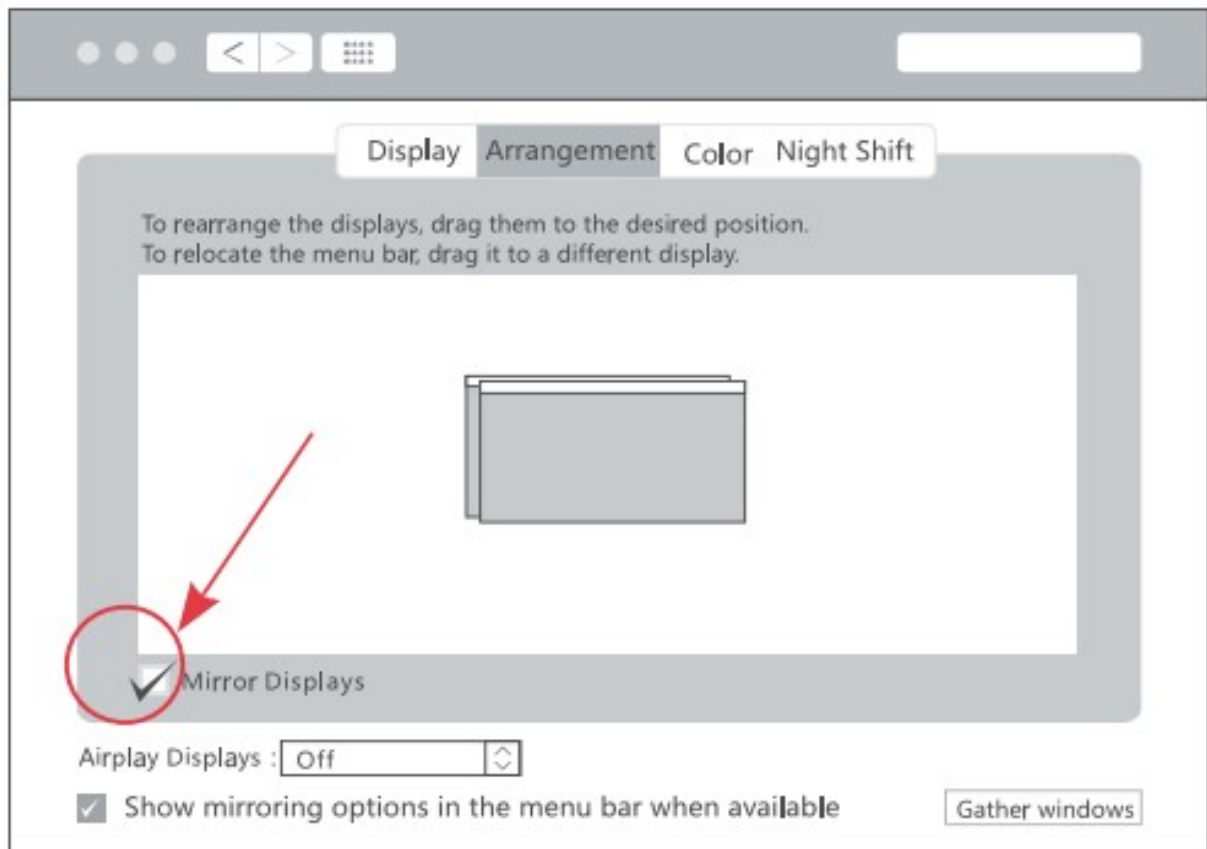
1. The resolution of monitors will be always consistent with the laptop under SST mode.
2. Only one monitor's resolution will be up to 4K/30Hz while others are 1080P under MST mode.



Graphics Settings for Mac

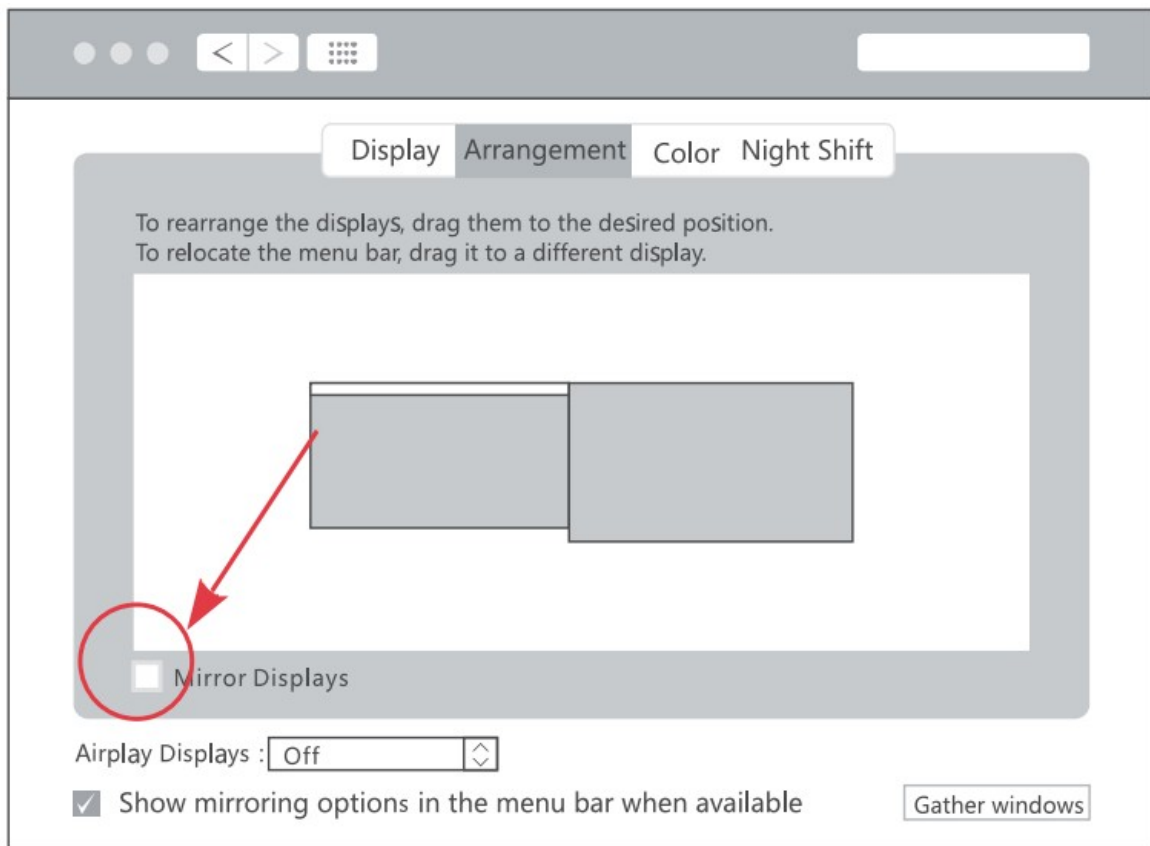
1.Mirror Display

Apple logo>System Preferences > Displays



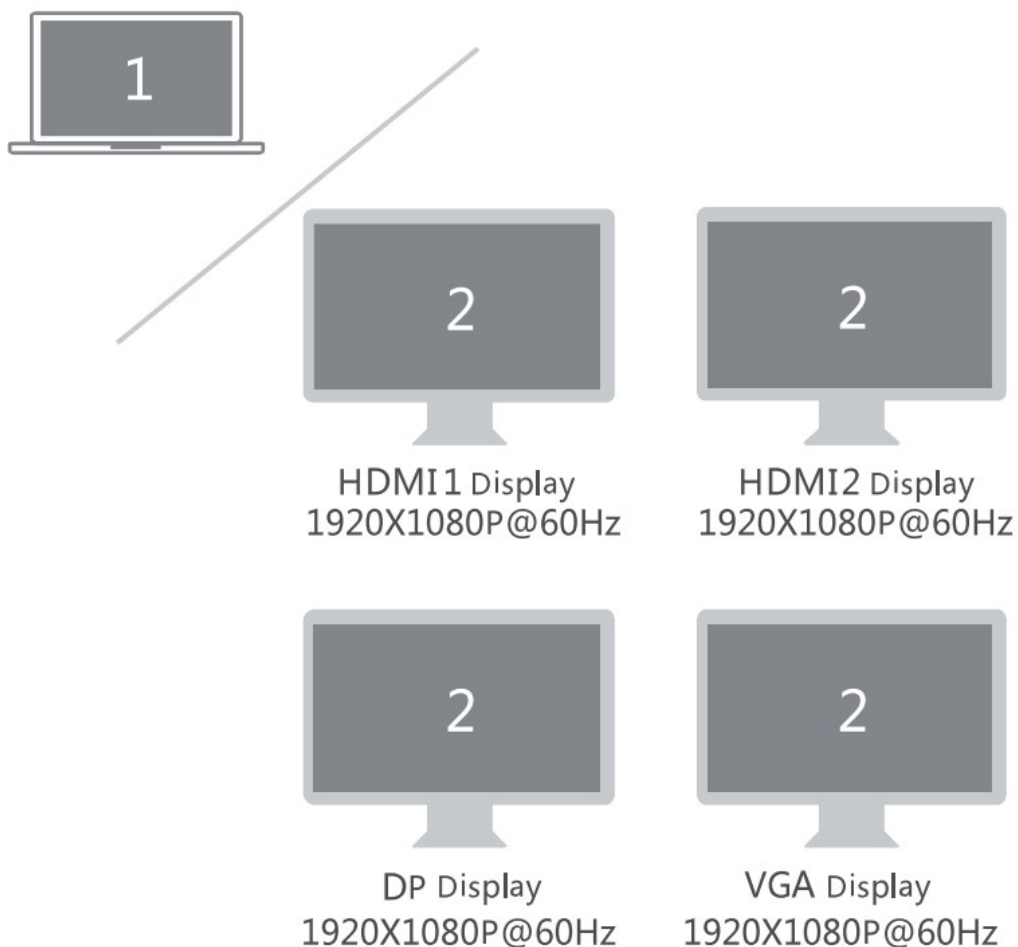
2.Extend Display

Apple logo>System Preferences > Displays



Note:

For Mac OS, in addition to HDMI1+DP which will be 4K/30Hz, the resolution can be 4K/60Hz on other combinations of two or more screen connections when VGA is not used.



Warm Reminder

1. Please make sure the USB-C port of your Smartphone/Tablet/ Laptop supports the DP feature before purchase, or your PC will not output any contents.
2. 4Kx2K@60Hz video display, please make sure your PC support DisplayPort (DP) v1.4 (HBR3).
3. Please update Mac OS of your MacBook to Catalina (10,15,1) or above for better compatibility,

FAQ

a. Why is there no video output?

1. Please make sure your host supports DisplayPort Alternate Mode (Alt Mode) video output functionality.
2. Please use the standard HDMI/DP cable.
3. Please check if the cables are well connected.
4. Please make sure select the correct input source for your HDMI and DP monitor.

b. Why is there no audio output from HDMI port?

1. Please make sure that there is audio output function on the monitor,
2. Please set the external monitor as default audio output device.


c. Can I connect my Apple SuperDrive to the dock?

1. No, some devices such as the Apple SuperDrive look for Apple-specific signaling and will not work when connected through any USB hub.

d: My docking station not charging my laptop?

1. Please check the specifications of your Laptop and identify which port has PD charging functionality if multiple USB-C ports are available.
2. Verify if your host system supports PD over USB-C.
3. Please noted some old models of computers have USB-C port, but do not support charging, only can be powered by its original AC/DC power adapter.



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References

- [User Manual](#)