USB-C Docking Station

Model: DS-P06ST

User Manual

Manual Book
Contents

## USB Type-C Compatibility Overview

USB-C is a new standard with much versatility, not all USB-C devices support all of the latest USB-C specs. As a result, compatibility information is complex. For instance, just about every USB-C flash drive supports the earlier USB 3.1 Rev 1 protocol, a lot of laptops and smart phones don't support Alt Mode video, while others do; A Laptop with a Type-C connector does not necessarily implement USB, USB Power Delivery, or any Alternate Mode, the Type-C connector is common to several technologies while mandating only a few of them. In other words, read the spec sheet of your laptop on the protocol of USB C port carefully so you know what you're getting before you buy our device.

COMPATIBILITY-Advanced features of the DS-P06ST such as host-charging and "Alt Mode" video output must be supported by host laptop system to function. As such, this docking station is not compatible with legacy USB 3.0/ "USB A" systems. Not recommended for gaming; HDCP supported.Please see Protocol icon pictures and specification below for USB C interface of laptops.

ONLY Protocol of USB C ports of the host laptop is same as the below CHECKED ones or full-featured (like Thunderbolt 3/4) which can be connected to this docking station unit.

Icon & Logo lists of USB C Protocol

Icon	Protocol	
SS←	Protocol: Data only	❌
←⚡	Protocol: Data+ Power Delivery	❌
SS← D	Protocol: Data+ Displayport Alt	✅
←⚡ D	Protocol: Data+Power Delivery+Displayport Alt	✅
⚡	Thunderbolt ³/4	✅

We strongly recommend that you confirm whether the USB C port supports the video output function in the interface specifications of the host laptop before purchasing our products, because the protocols and logo of the USB C port are not uniform for different PC manufacturers.

2.0   Product Diagram

USB C Data
USB3.0 5Gbps

PD18W   USB-C   SD   USB3.0   MIC

USB C Power PD18W   SD Slot   Audio/Mic

USB2.0   USB3.0 5Gbps   Gigabit Ethernet

USB2.0   USB2.0   USB3.0   LAN

DC-IN   USB-C USB-C   4k   4k

DC-IN   Dual USB C to host Macbook   HDMI

How to connect this dock to host Mac OS laptop?

1. Connect the standard TWIN USB C male cables connectors to dock itself and the host MacBook Laptop for working and power supply purpose.

2. Keep the standard AC power adapter connected while using this device all the time.

3. Connect/Plug the external HDMI monitors and other devices to the docking station, enjoy the best boost productivity of your MacBook Pro/Air.

3.0 Interfaces Function

Category	Interface	Connectivity
Upstream Interface	Male Twin USB C Connectors	·Support USB 3.2 Gen 1, PD 3.0 specifications ·to 100W max power supply for USB C PD devices
Downstream Data Transfer	2 X USB A 3.0 Ports 2 X USB A 2.0 Ports	·Supports USB 3.0 Gen1 ·Supports USB 2.0 Max data transmission 480Mbps ·Supports BC 1.2 (max total 1.8A/5V if keep the original laptop power adapter connected)
Downstream HD Display	2 X HDMI 4K Ports	·Connect to external monitors, TV or Projector ·Support HDMI up to 3840x2160@60Hz ·Support MST and Mirror mode ·Supports simultaneous use of two HDMI ports (output 4K/60Hz for single port connected)
Downstream Data Transfer	SD Card Slot	·Support SDHC/SDXC/card up to 2TB capacity UHS-I ·Read speed: 104MB/S Max ·Write speed: 50MB/S Max
Downstream Power Delivery &Data Transfer	Female USB C Ports (on the front panel)	·USB C power 18W output 5V/9V/12V/15V ·Supports USB 3.0 data transfer
Downstream Combo Audio/Mic	1 X Audio/Mic (3.5mm Jack Hole)	·48K stereo output and mic input, International Standard
Downstream Gigabit Ethernet	1 X RJ45 Port	·Supports 10/100/1000Mbps bandwidth
Upstream DC-IN Port	1 X DC-IN Port	·Supports Input: 100-240V~60/50Hz, 1.8A 　　　　　Output: 20.0V~5.0A, MAX 100.0W

Tips: The list of the Mac OS laptops which support to output 4K@60Hz or others video signal (Partial listings).

3840x2160@60Hz on	1080p@60Hz or UHD (3840 by 2160)@30Hz on
iPad Pro 11" iPad Pro 12.9" (3rd generation and later) MacBook Pro (16", 2019) MacBook Pro (15", 2017&later) MacBook Pro (13", four Thunderbolt 3 ports, 2020) MacBook Air (2020) iMac (Retina 5K, 27", 2017 & later) iMac (Retina 4K, 21.5" 2017 and later) and iMac Pro (2017 & later)	iPad Air (4th generation) MacBook Air (2018 and later) MacBook Pro (13", 2016 and later) MacBook Pro (15", 2016) iMac (non-Retina, 21.5" 2017) and Mac mini (2018)

4.0　Dual HDMI & Extend Mode for Mac OS

Tips1: Display/Monitors & HDMI cables should support 4K@30Hz or
　　　4K@60Hz (it depends on your Macbook feature of GPU).

Tips2: For Mac OS extend mode display, no any software (like Displaylink)
　　　download need, just connecting the standard TWIN USB-C to USB
　　　C male cables between the laptop and dock unit.

**NOTE: M1/M2 chip supports to connect ONE Monitor ONLY, But M1/M2
　　　Pro/Max/Ultra chips support to connect 2 external Monitors.**

5.0   Notes and Caution

1. This device operates correctly only with a specified voltage rating level, so keep the standard 100W AC power adapter of docking station connected while operation.

2. Keep away from heat, flammables, poisons and corrosive substance.

3. Keep away from electrical appliances (such as a microwave oven) to avoid electro-magnetic interface.

4. When it is idle, store it flat in a location with an ambient temperature of 5 to 40 (41F to 104 F), avoid extreme temperature.

5. Keep away from water/liquid/and moisture.

6. Do not drop/ knock/or disassemble this docking station unit.

7. Keep out of reach of children.

8. It is normal that the product may generate heat under full loaded working or during charging.

6.0   Package Contents

Before attempting to use this docking station, check the package to make sure following items are included.

· USB C Docking Station x 1 (Model: DS-P06ST)

· User Manual Book x 1

· AC 100W power adapter with cable x 1

· Twin USB C male cables combination x1

Thank You