



THUNDERBOLT 3 DOCK

User Guide



Introduction	1
1.1 Minimum System Requirements	
1.2 Package Contents	
1.3 About This Manual	
1.4 Front View	
1.5 Rear View	
Support Resources	4
2.1 Connection	
2.2 Usage Notes	
2.3 Troubleshooting	
2.4 Contacting Technical Support	

INTRODUCTION

1.1 System Requirements

- **Hardware**
 - Computer with a Thunderbolt 3 port
- **Operating System**
 - macOS 10.12.2 or later
 - Windows 10 or later

1.2 Package Contents



OWC Thunderbolt 3 Dock *



Power supply and cable

* Space Gray model shown

Important Notes:

- Remove the thin plastic film from the top and bottom of the dock before use.
- To enable support for the Apple SuperDrive, Apple USB keyboard, and iPad 1/2/3 charging, a [driver](#) is required. Additionally, to use the Apple SuperDrive you must connect it to the High-powered USB Port on the rear of the dock.

1.3 About This Manual

The images and descriptions may vary between this manual and the unit shipped. Functions and features may change depending on the firmware version and/or the driver, if applicable. OWC's Limited Warranty is not transferable and subject to limitations. Please visit the product web page(s) for the most current product information.

1.4 Front View

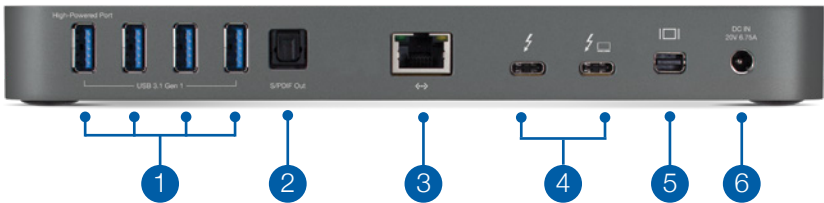
NOTE: There are two LEDs on the bottom of the OWC Thunderbolt 3 Dock near the front, which are not pictured. Their functionality is described below.

1. **Data LED (green)** — This LED will glow green when the dock has an active data connection to a computer via the Thunderbolt cable. If the computer is powered off or in sleep mode, this LED will power off.
2. **Power LED (blue)** — This LED glows blue when the dock receives power. Unlike some Thunderbolt devices, the Thunderbolt 3 Dock does not power off when disconnected from the computer or when the computer sleeps. As long as the dock receives power, the blue power LED will remain on.
3. **SD Card Slot** — accepts SD type media cards commonly used in digital cameras.
4. **Combo Audio Port** — accepts 3.5 mm microphones, headphones, and headsets.
5. **High-power USB 3.1 Gen 1 port** — Connect USB 3.1 Gen 1 devices here. This port is capable of providing up to 1.5A of power for charging devices such as the Apple iPad. Its functionality and performance is otherwise the same as a standard USB 3.1 Gen 1 port.



1.6 Rear View

- 1. USB 3.1 Gen 1 ports** — Connect additional USB 3.1 Gen 1 devices here. Left-most port is a high-power port. This port is capable of providing up to 1.5A of power for charging devices such as the Apple iPad. Its functionality and performance is otherwise the same as a standard USB 3.1 Gen 1 port.
- 2. S/PDIF Digital Audio port (output only)** — Connect a S/PDIF output device here.
- 3. Gigabit Ethernet port** — Connect an Ethernet cable here to access a wired network.
- 4. Thunderbolt 3 ports** — Connect one port to the Thunderbolt 3 host; you must connect to the dedicated Power Delivery port (right) to charge the host. Use the extra port to connect up to five additional Thunderbolt devices, plus a display. Thunderbolt 3 supports DisplayPort™ 1.2 over USB-C™. The extra Thunderbolt 3 port can also be used to connect USB-C devices.
- 5. Mini DisplayPort** — Connect your display here. This connection supports DisplayPort 1.2. See [Section 2.2](#) for more details.
- 6. DC power input** — Connect the included power supply here.



2.1 Connection

1. Connect the Thunderbolt 3 Dock to power using the included power supply and cable.
2. Connect the dock to a Thunderbolt 3 port on your computer using either one of the Thunderbolt ports on the dock.
3. Connect other devices to the appropriate ports on the dock. All connected devices will be available immediately for use on your computer.

2.2 Usage Notes

- **IMPORTANT:** To enable support for the Apple SuperDrive, the Apple USB keyboard, and iPad 1/2/3 charging, please install the [driver](#). Note: you must also connect this drive to the High-powered USB port on the rear of the dock.
- There is no power switch on the dock. As long as it is connected to power and to a computer, the dock will function. If the computer powers off or sleeps, the dock will remain powered on, but all other devices connected through the dock will power off or sleep, as if they were connected directly to the computer.
- The dock and all of its ports support hot-plugging. To ensure no data is lost, always eject or unmount any connected storage devices from your operating system before disconnecting them from your dock (or before disconnecting the dock from the host computer).
- The Combo audio port on the front of the dock is analog. The S/PDIF port on the back of the dock is digital, but it is output only.
- Thunderbolt 3 is backwards compatible with earlier versions of Thunderbolt when using the appropriate adapter, such as an Apple Thunderbolt 3 (USB-C) to Thunderbolt 2 Adapter. Use this type of adapter to connect a Thunderbolt 2 or Thunderbolt device to the Thunderbolt 3 Dock. Note: to avoid operating at reduced speeds, all Thunderbolt 3 devices should be at the front of the device chain, where TB3 = Thunderbolt 3, TB2 = Thunderbolt 2 and TB = Thunderbolt (e.g. TB3 Host > TB3 device(s) > TB2 or TB device via adapter > additional TB2 or TB devices).
- Thunderbolt device chains can support up to six Thunderbolt devices, thus five additional Thunderbolt devices can be chained to the Thunderbolt 3 Dock. A Thunderbolt 3 display (or a display connected via a USB-C display adapter) can be added to the end of a Thunderbolt 3 device chain.
- USB 3.1 Gen 1 ports are bootable only on mid-2013 and later Macs using macOS 10.12.2 or later. Thunderbolt and Ethernet are bootable on all Macs with a Thunderbolt port.
- Note that it is possible to connect other types of displays such as HDMI and DisplayPort to the available Thunderbolt 3 port, so long as you have the appropriate USB-C display adapter (e.g. you could use a USB-C to HDMI adapter, connected to the Thunderbolt 3 port).

- The Thunderbolt 3 Dock can support a single 5K display running at 60Hz.
- The refresh rates available at 4K will depend on the display connections used. To achieve 4K @ 60Hz on two displays, one display must be a native USB-C display and the other a native DisplayPort / mini DisplayPort display. *
 - * Dual 4K display setups that include a native Thunderbolt 3 display were not available at the time of this writing. The Apple Digital AV Multiport Adapter and the Apple USB-C VGA Multiport Adapter are both supported by the Thunderbolt 3 Dock.

2.3 Troubleshooting

Begin your troubleshooting by verifying that the power cable is connected to the OWC Thunderbolt 3 Dock and to a power source. If the power cable is connected to a power strip, make sure that the power switch on the strip is turned on.

Next, verify that both ends of the Thunderbolt 3 cable are properly plugged into the computer and the dock. If the dock is still not working properly, try using a different Thunderbolt cable or using another Thunderbolt port on the computer or the dock.

You can verify if the dock is communicating with the computer by going into System Information and clicking on the 'Thunderbolt' category on the left. If the dock is seen by the computer but one or more connected devices are not, troubleshoot each device individually. If problems persist, see **Section 2.4** to contact OWC technical support.

Our FAQs can be found at: www.owcdigital.com/support/faq

2.4 Contacting Technical Support



Phone: M–F, 8am–5pm CST
(866) 692-7100 (N. America) | +1 (815) 338-4751 (Int'l)



Chat: M–F, 8am–8pm CST
www.owcdigital.com/support



Email: Answered within 48 hours
www.owcdigital.com/support

Changes:

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FCC Statement:

Warning! Modifications not authorized by the manufacturer may void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference with radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.

Health And Safety Precautions:

- Read this user guide carefully and follow the correct procedures when setting up the device.
- Do not attempt to disassemble or modify the device. To avoid any risk of electrical shock, fire, short-circuiting or dangerous emissions, never insert any metallic object into the device. If it appears to be malfunctioning, contact OWC technical support.
- Never expose your device to rain, or use it near water or in damp or wet conditions. Never place objects containing liquids on the device, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.

General Use Precautions:

- To avoid damage, do not expose the device to temperatures outside the range of 5° C to 40° C (41° F to 104° F).
- Always unplug the device from the electrical outlet if there is a risk of lightning or if it will be unused for an extended period of time. Otherwise, there is an increased risk of electrical shock, short-circuiting or fire.
- Do not use the device near other electrical appliances such as televisions, radios or speakers. Doing so may cause interference which will adversely affect the operation of the other products.
- Do not place objects on top of the device.
- Protect your device from excessive exposure to dust during use or storage. Dust can build up inside the device, increasing the risk of damage or malfunction.
- For up-to-date product and warranty information, please visit the product web page.

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