



Thunderbolt™ 3 Dock
with
85W Power Delivery

Model 107024



User Manual

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1. INTRODUCTION

1.1 Introduction

Thank you for your purchase from Cable Matters® Inc., the ‘Reliable Connectivity’ company. This User Manual provides an overview of the features and installation of the:

Thunderbolt™ 3 Dock with 85W Power Delivery

Please read these instructions carefully before connecting, operating or configuring this product. Please keep this user manual for future reference.

Contact support@cablematters.com for questions or product support.

1.2 Copyright and Trademarks

Specifications are subject to change without notice. Cable Matters is a registered trademark or trademark of Cable Matters Inc. All rights reserved. All other trademarks are the property of their respective owners.

Thunderbolt and the Thunderbolt Logo are trademarks of Intel Corporation in the U.S. and/or other countries.

USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum

DisplayPort™ and the DisplayPort logo are trademarks owned by the Video Electronics Standards Association (VESA®) in the United States and other countries.

Intel® is a trademark of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

1.3 FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device must not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

2. PRODUCT OVERVIEW

2.1 Package Contents

Please check that the following items are contained in the package:

- Thunderbolt™ 3 Dock with 85W Power Delivery
- Thunderbolt™ 3 (40Gbps) USB-C Cable in Black - 0.5m
- AC Power Adapter
- User Manual (available in a PDF from cablematters.com)

2.2 Product Description

The Cable Matters® Thunderbolt™ 3 Dock with 85W Power Delivery supports two 4K displays, USB peripherals, external audio, and Gigabit Ethernet networking over a single Thunderbolt 3 40 Gbps cable. Connect USB peripherals and a DisplayPort monitor to the latest release computers with Thunderbolt and provide 15 watts of bus-power to each Thunderbolt device.

2.3 Thunderbolt 3 Dock Features

- Thunderbolt 3 Dock connects to any Thunderbolt 3 computer port and provides up to 85W of power delivery to charge a laptop while in use
- Thunderbolt 3 ports support any Thunderbolt, USB, or DisplayPort device
- Thunderbolt 3 device port can support a USB-C to HDMI/DVI/VGA/DP adapter
- Supports two 4K displays at 60 Hz over Thunderbolt 3 or DisplayPort
- Dock provides connections to USB peripherals with 2 USB Type-A (5 Gbps) ports
- Connect a device with USB-C to transfer files
- Audio support for a stereo headset or speaker and a mono microphone
- Daisy chain up to six Thunderbolt devices
- Compatible with Thunderbolt 3 devices and a Thunderbolt or Thunderbolt 2 device with a legacy adapter
- Provides 15 watts of bus-power to Thunderbolt devices
- Supports Gigabit Ethernet networking

2.4 System Requirements

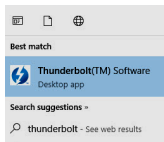
Computer	Thunderbolt™ 3 equipped port with latest drivers
Thunderbolt 3 Device	Thunderbolt™ 3 cable or USB-C cable or adapter
Supported OS	macOS 10.12 and above Windows 7.1 and above Win 7 requires drivers from cablematters.com/downloads
External Display:	DisplayPort input port and a DisplayPort Cable
Gigabit Network:	LAN or router with an RJ45 Port Cat 6 Ethernet patch cable (recommended)
USB 3.0	USB 2.0 or 3.0 cable to connect a peripheral device
USB C	USB-C 3.1 GEN 1 cable
Audio Port	3.5mm audio headset or microphone cable
Power	AC outlet

Note: All cables and adapters to connect devices to the Dock are sold separately

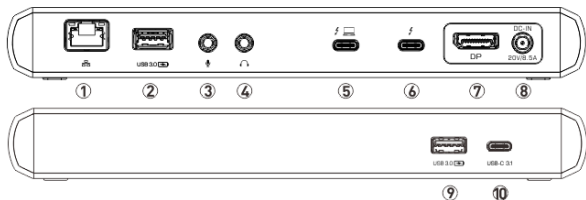
3. Connection and Operating Instructions

3.1 Installation Checklist

- Your Windows PC may require updates for Thunderbolt 3 to function properly. For more information go to: kb.cablematters.com.
- Connect the Dock to AC power during operation
- Connect your computer with the included Thunderbolt 3 40 Gbps cable to the Host Thunderbolt 3 port on the Dock
- Windows computers must have the Intel Thunderbolt Software installed. Locate it from the search bar in Windows
- Mac computers require no additional software



3.2 Panel Diagram



- 1) Gigabit Ethernet port
- 2) USB 3.0 Type-A with 1.5 amp charging
- 3) Microphone port
- 4) Headset or speaker port
- 5) Thunderbolt 3 host computer port
- 6) Thunderbolt 3 port for a Thunderbolt device or USB-C adapter
- 7) DisplayPort port
- 8) DC power-in port
- 9) USB 3.0 Type-A with 1.5 amp charging
- 10) USB-C 3.1 Gen1 port (5 Gbps/1.5A)

Note: All cables to connect devices to the Thunderbolt Dock are sold separately

3.3 Connecting the Thunderbolt Dock



- 1) Connect the Dock to an AC power outlet or the Dock will not operate
- 2) Connect the included Thunderbolt 3 (USB-C) cable from the host Thunderbolt 3 port on the Dock to a 40Gbps Thunderbolt 3 port on the computer

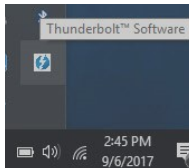
Note: A Thunderbolt 3™ (40Gbps) USB-C Cable is required for maximum performance

- 3) Wait up to 20 seconds while any additional drivers are automatically installed
- 4) Windows computers must approve the Dock with the Intel Thunderbolt software



- 5) Manage the settings of connected Thunderbolt devices from the Thunderbolt software in the Windows taskbar
- 6) Connect any Thunderbolt 3, USB, DisplayPort device or USB-C to HDMI/DVI/VGA/DP adapter to the non-host Thunderbolt 3 port

Note: The non-host Thunderbolt 3 port supports Thunderbolt 3 and USB-C 3.1 (10 Gbps)



Troubleshooting Tips

- Reboot the computer and check that the Dock has AC power
- Check with the computer manufacturer for updated BIOS and drivers for Windows
- Test the Thunderbolt 3 (USB-C) cable with a different Thunderbolt 3 device
- This Thunderbolt Dock is NOT compatible with a USB-C host computer
- It is normal for the Dock to get warm during use. Position it for the best ventilation.

3.4 Connecting to a LAN or Router



- 1) Connect an RJ45 patch cable to the Dock (Cat 6 recommended for Gigabit Ethernet)
- 2) Connect the patch cable to a LAN or router port
- 3) Check the documentation of your LAN or router to configure network access
- 4) Link and Status LEDs should blink to indicate a live connection

Troubleshooting Tips

- Reboot the computer
- Check that the Link and Status LEDs are lit
- Test by turning off all wireless connections on the computer
- Test the patch cable with a different device or try another USB port

3.5 Connecting a USB Peripheral Device



USB 3.0

FRONT PANEL
with charging



USB 3.0

REAR PANEL
with charging



USB-C 3.1

USB-C
5Gbps/1.5A

- 1) Connect a USB 2.0 or 3.0 device to the Dock
- 2) The device should be recognized after downloading any needed drivers
- 3) Use *Safely Remove* or *Eject* when unplugging, if necessary

Notes:

- USB 3.0 ports provide 1.5 amp charging
- USB-C 3.1 port provides 1.5 amp charging
- Front Panel USB-C port does NOT provide Thunderbolt 3 features
- Data transfer rate may be reduced when dual 4K display monitors are in use

3.6 Connecting a Thunderbolt Device



Connect a Thunderbolt 3 device to the non-host Thunderbolt 3 port with a Thunderbolt 3 cable. Connect a USB-C device or display with a USB-C cable or adapter (cables and adapters are sold separately).

Notes:

- Supports Power Delivery to deliver 15 watts to bus powered Thunderbolt devices
- Daisy chain up to 6 total Thunderbolt devices to the Dock
- Connect earlier version Thunderbolt devices to the Dock with a Thunderbolt to Thunderbolt 3 adapter

3.7 Connecting an External Display

DisplayPort

- 1) Connect a DisplayPort cable (sold separately)
- 2) Select the DisplayPort video input from the display menu
- 3) Select the audio output from the computer

Note: An active adapter or cable is required to convert from DisplayPort to HDMI/DVI/VGA

Thunderbolt 3

- 1) Connect a USB-C to HDMI/DVI/VGA/DP adapter to the non-host Thunderbolt 3 port
- 2) Connect an HDMI/DVI/VGA/DP cable

Note: The Dock supports two 4K displays (4096 x 2160 @ 60Hz) or one 5K display (5120 x 2880 @ 60Hz)

Windows: Press *Windows Logo + P* or launch the *Intel HD Graphics Control Panel* from the search bar

macOS: Select *System Preferences > Displays > Click the Arrangement tab*

Troubleshooting Tips

- Check that your computer supports 40Gbps Thunderbolt 3
- Check that your computer supports two external displays
- 4K UHD video resolution requires a 4K-rated video card source, cable, and output display
- Use cables in the shortest length necessary
- Check for updated Thunderbolt 3 drivers from the manufacturer

3.8 Connecting an Audio Device

- 1) Connect a mono microphone to the Mic In port
- 2) Connect a stereo headset to the Audio Out port
- 3) Configure the audio settings from the computer

Windows 10

- 1) *Device Manager* > Click on *Sound, video and game controllers*> *Thunderbolt Audio Device*
- 2) Click on *Audio inputs and output* > Select *Microphone* or *Speakers (Thunderbolt Audio Device)*

macOS

- 1) *System Information* > *Hardware* > *USB* > *USB 3.0 Bus* > *Thunderbolt Audio Device*
- 2) Select the audio in *System Preferences* > *Sound* > Select the *Output* or *Input*

4. TECHNICAL SPECIFICATIONS

Thunderbolt 3 (host):	Thunderbolt/USB-C (24-pin) Female
Thunderbolt 3 (device/display)	Thunderbolt/USB-C (24-pin) Female
Gigabit Ethernet Network Port:	RJ45 8P/8C 568-B Female
USB 3.0 (front panel & rear panels):	USB 3.0 Type A (9-pin) w/ B.C. 1.2 charging Female
USB-C	USB-C 3.1 Gen 1 (24-pin) (5Gbps/1.5A) Female
DisplayPort:	DisplayPort 1.2 (20-pin) Female
Microphone Audio:	3.5mm TS mono input Female
Headset/Speaker Audio:	3.5mm TRS stereo output Female
Power:	Input: AC 100/240V Output: 20V/8.5A US Standard
Operation/Storage Temperature	32-104°F / -4-158°F
OS Support	Windows 7.1 and up, macOS 10.12 and up
DisplayPort Resolution Support	Up to 4096 x 2160 @ 60Hz
Thunderbolt 3 Display Resolution Support	Up to 5120 x 2880 @ 60Hz (1 display only)
Dock Housing (LxWxH)	8.7 x 3.1 x 1.1 Inches
Dock Housing Weight:	15.5 Ounces
Compliance	C E, FCC
Warranty:	Limited One-Year

Note: Specifications are subject to change without notice

5. WARRANTY AND SUPPORT

5.1 Customer Support and Contact Information

Cable Matters offers lifetime technical support as an integral part of our commitment to provide industry leading solutions.

Email us with any questions at support@cablematters.com.

5.2 Warranty Information

This product is backed by a limited one-year warranty. The warranty covers parts and labor costs only. Cable Matters does not warrant its products from defects or damages arising from misuse, abuse, or normal wear.

5.3 Limitation of Liability

In no event shall Cable Matters Inc. (including their officers, directors, employees or agents) be liable for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of, or related to the use of this product exceeding the actual price paid for the product (as allowed by state law). Specifications are subject to change without notice.

