



Thunderbolt™ 3 Dock  
with  
60W Power Delivery

Model 107014



**User Manual**

- Locate instructions and driver information at:  
[www.cablematters.com/dl/107014](http://www.cablematters.com/dl/107014)

**support@cablematters.com**

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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 60W 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](mailto: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.

HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and/or 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:

- 1 x Thunderbolt™ 3 Dock with 60W Power Delivery
- 1 x Thunderbolt™ 3 (40Gbps) USB-C Cable in Black - 0.5m
- 1 x AC Power Adapter
- 1 x User Manual (available in a PDF from [cablematters.com](http://cablematters.com))

## **2.2 Product Description**

The Cable Matters® Thunderbolt™ 3 Dock with 60 W Power Delivery supports two 4K displays, USB peripherals, an SD memory card, and Gigabit Ethernet networking over a single Thunderbolt 3 40 Gbps cable. Connect legacy USB and HDMI devices to the latest release computers with Thunderbolt and provide 15 watts of bus-power to each Thunderbolt device.

## **2.3 Thunderbolt Dock Features**

- Thunderbolt 3 Dock connects to any Thunderbolt 3 computer port and provides up to 60W of power delivery charging
- Thunderbolt 3 ports support any Thunderbolt, USB, or DisplayPort device
- Thunderbolt 3 port can support an active USB-C to HDMI/DVI/VGA/DP adapter
- Supports two 4K displays at 60Hz over Thunderbolt 3 or HDMI
- Dock provides connections to USB peripherals with 4 USB Type-A (5 Gbps) ports
- Connect an SD/SDHC/SDXC memory card or a MicroSD card with an adapter
- Audio support for a speaker or headset with a microphone
- Daisy chain up to six Thunderbolt devices from a Thunderbolt 3 computer
- 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

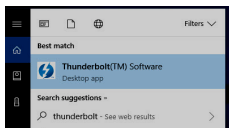
Computer	Thunderbolt™ 3 equipped port with latest drivers
Thunderbolt 3 Device	Thunderbolt™ 3 cable or display adapter
Supported OS	macOS 10.12 and up Windows 10
External Display:	HDMI input port and an HDMI Cable
Gigabit Network:	LAN or router with an RJ45 Port Cat 6 Ethernet cable (recommended)
SD Memory Slot	SD/SDHC/SDXC or MicroSD card with an adapter
USB 3.0	USB 2.0 or 3.0 cable to connect a peripheral device
Audio Port	3.5mm audio headset or microphone cable
Power	AC outlet

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

## 3. Connection and Operating Instructions

### 3.1 Installation Checklist

- Your Windows PC may need updates for Thunderbolt 3 to function properly  
For more information go to [kb.cablematters.com](http://kb.cablematters.com)
- Check that your computer port is wired to support 40Gbps (some only support 20 Gbps)
- 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) Dock AC power green LED
- 2) Thunderbolt 3 Host detected blue LED
- 3) SD memory card slot
- 4) USB 3.0 Type-A with B.C. 1.2 charging
- 5) USB 3.0 Type-A with data transfer only
- 6) Headset/Microphone combo audio port
- 7) USB 3.0 Type-A with data transfer only
- 8) USB 3.0 Type-A with data transfer only
- 9) USB 3.0 Type-A with data transfer only
- 10) Gigabit Ethernet port
- 11) Thunderbolt 3 port for a Thunderbolt device or USB-C adapter
- 12) Thunderbolt 3 host port
- 13) HDMI port
- 14) DC power port

**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 to the host Thunderbolt 3 port on the Dock to any Thunderbolt 3 port on the computer.

**Notes:**

- A Thunderbolt 3™ (40Gbps) USB-C Cable is required for maximum performance.
- Check that your computer port is wired to support 40Gbps (some only support 20 Gbps)

- 3) Wait up to 20 seconds while any additional drivers are automatically installed
- 4) Windows computers must approve the Dock by using 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

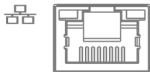
**Note:** The non-host Thunderbolt 3 ports supports both Thunderbolt 3 and USB-C 3.1 (10 Gbps)



#### 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 device
- Note: This Thunderbolt Dock is NOT compatible with a USB-C host computer

### 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 Ethernet port

### 3.5 Connecting a USB Peripheral Device



**FRONT PANEL**  
*with charging*



**FRONT PANEL**  
*data only*



**REAR PANEL**  
*data only*

- 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:**

- 1 Front Panel USB 3.0 port provides fast charging
- Front & Rear Panel USB 3.0 ports only provide trickle charging



### 3.6 Connecting an Audio Device

- 1) Connect a headset or microphone to the 3.5mm audio port
- 2) 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 10.12 and up

- 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*

### 3.7 Connecting External Displays

#### HDMI

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



#### 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 (3840x2160 @ 60Hz)

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

macOS 10.12 and up: Select *System Preferences* > *Displays* > Click the *Arrangement* tab

#### Troubleshooting Tips

- Check that your computer supports Thunderbolt 3
- Check that your computer Thunderbolt port supports two external displays
- 4K UHD video resolution requires a 4K video card source, cable, and output display
- Use cables in the shortest length needed

### 3.8 Connecting Thunderbolt Devices



- 1) Connect a Thunderbolt 3 device to the non-host Thunderbolt 3 port

**Notes:**

- Supports USB Power Delivery (PD) 2.0 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

### 3.9 Connecting an SD Memory Card

SD/SDHC/SDXC



#### Installation Instructions

- 1) Insert an SD card into the slot with the label facing up
- 2) SD card should be recognized after downloading any needed drivers
- 3) Always *Safely Remove* or *Eject* the device before unplugging

Notes:           Micro-SD cards are compatible with an SD adapter  
                      Supports UHS I

#### Troubleshooting Tips

- Safely remove the SD card from the Dock
- Test the card with a different card reader

## 4. TECHNICAL SPECIFICATIONS

Thunderbolt 3 (host) :	Thunderbolt/USB 3.1 Type-C Female
Thunderbolt 3 (device/display)	Thunderbolt/USB 3.1 Type-C Female
Gigabit Ethernet Network Port:	RJ45 8P/8C 568-B Female
USB 3.0 (front panel):	USB 3.0 Type A Female with B.C. 1.2 fast charging
USB 3.0 (front & rear panels):	USB 3.0 Type A Female for data transfer only
SD Memory Card	SD 3.0 SD/SDHC/SDXC UHS-I
HDMI:	HDMI 19-pin Female/2 Ch audio
Audio:	3.5mm TRRS Combo Audio Port Female/ 2 Ch audio
Power:	Input: AC 100/240V Output: 20V/6.75A US Standard
Operation/Storage Temperature	32-104°F / -4-158°F
OS Support	Windows 10, macOS 10.12 and up
HDMI Resolution Support	Up to 3840 x 2160 @ 60Hz
Thunderbolt 3 Display Resolution Support	Up to 3840 x 2160 @ 60Hz
Dock Housing (LxWxH)	9.1 x 3.4 x 1.1 Inches
Dock Weight:	15.9 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](mailto: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.

