



Thunderbolt™ 3

480GB External NVMe SSD Drive

Model 107009



User Manual

email: 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 the:

Thunderbolt™ 3 480GB External NVMe SSD Drive

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.

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
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 480GB External NVMe SSD Drive
Drawstring storage pouch
User Manual (available in a PDF from cablematters.com)

2.2 Product Description

The Cable Matters® Thunderbolt™ 3 480GB External NVMe SSD Drive is one of the fastest portable external drives on the market. Transfer a terabyte of data in minutes instead of hours with 4x the data transfer rate of a SATA drive. Unleash the power of a 40Gbps Thunderbolt 3 port on your Windows or Mac notebook.

2.3 Thunderbolt 3 Drive Features

- 480GB M.2 small form-factor SSD drive in a portable enclosure
- Max Read/Write 2400/1500 MB/s (4-Lane PCIe), 1500/1500 MB/s (2-Lane PCIe)
- MLC (multi-level cell) flash memory offers 2x the Read/Write lifecycle
- NVMe (non-volatile memory express) protocol accelerates the data transfer rate
- PCI Express generation 3.0 x4 lane transfers up to 4 GB/s of data
- All-metal enclosure provides durability and improved heat dissipation
- Compatible with Windows and Mac computers with Thunderbolt 3

2.4 System Requirements

Computer Host	Thunderbolt 3 equipped port 4-Lane PCIe port required for maximum data transfer rate
Supported OS	Windows 10, macOS 10.11 and up
Power	Bus-powered

NOTE: Check the Cable Matters website for Thunderbolt driver update information and a list of compatible computers with 4-Lane PCIe:

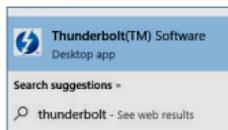
kb.cablematters.com

www.cablematters.com

3. CONNECTION AND OPERATING INSTRUCTIONS

3.1 Installation Checklist for Windows Computers

- Your Windows PC may require updates for Thunderbolt 3 to function properly. For more information go to: kb.cablematters.com.
- Windows computers must install the Intel Thunderbolt Software. Locate it from the search bar in Windows.
- Check that the Thunderbolt 3 port is wired as a 4-Lane PCIe port (a 2-Lane port performs at a reduced data transfer rate, consult the computer manufacturer)



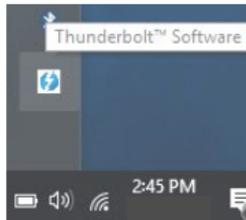
3.2 Connecting the Thunderbolt SSD Drive in Windows

- 1) Directly connect the SSD drive to a Thunderbolt 3 computer port
- 2) Wait up to 20 seconds while any additional drivers are automatically installed
- 3) Approve the SSD Drive with the Intel Thunderbolt software



Troubleshooting Tips

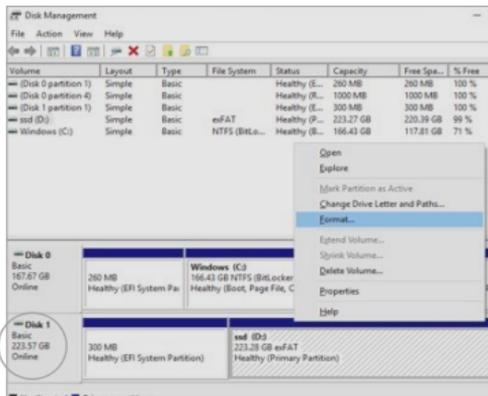
- Look for the SSD in the Windows taskbar
- Reboot the computer and check for the SSD white LED
- Test the SSD with a different Thunderbolt 3 port
- This SSD is NOT compatible with a USB-C host
- It is normal for the SSD to get warm during use. Position it for the best ventilation.



3.3 Changing the SSD Drive Format or Partition in Windows

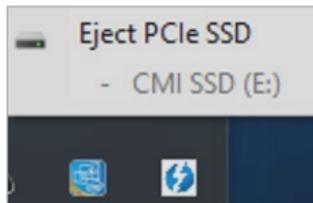
The SSD is configured with the exFAT file system for compatibility with both Windows and Mac. The file system or memory partition can be changed from the **Disk Management** menu in Windows.

- 1) Search **Create and format hard disk partitions**
- 2) Select the Disk with the SSD drive listing the exFAT partition
- 3) Right-click on the exFat partition
- 4) Select the NTFS file system type and the partition size, if needed



CAUTION !!

- Select the external SSD, **NOT** the internal computer hard drive
 - Formatting the drive will erase any data on the SSD
-
- Always use the **Safely Remove** icon from the taskbar before removing the SSD to prevent damage to the drive



3.4 Connecting the Thunderbolt SSD Drive in macOS

- 1) Directly connect the SSD drive to a Thunderbolt 3 computer port
- 2) Check that the white LED is lit on the SSD
- 3) The SSD should appear on the desktop
- 4) Always *Eject* the SSD before removing from the computer



Troubleshooting Tips

- Reboot the computer and look for the LED
- Check that the Thunderbolt 3 port is wired as a 4-Lane PCIe port (a 2-Lane port performs at a reduced data transfer rate)
- Test the SSD with a different Thunderbolt 3 port, if possible
- It is normal for the SSD to get warm during use. Position it for the best ventilation.

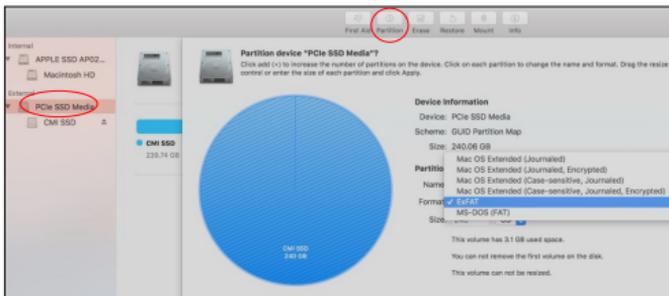


3.5 Changing the SSD Drive Format or Partition in macOS

The SSD is configured with the exFAT file system for compatibility with both Windows and Mac. The file system or memory partition can be changed from the **Disk Utility**.

Finder > Applications > Utilities > Disk Utility

Click on: *PCIe SSD Media > Partition*



4. TECHNICAL SPECIFICATIONS

Host Connector:	Thunderbolt/USB-C (24-pin) Male
Storage Media:	480GB M.2 NVMe SSD with MLC NAND
Power:	Bus-Powered
LED Indicator	White
OS Support	Windows 10, macOS 10.11 and up
Drive Housing (LxWxH)	3.9 x 2.4 x 0.5 Inches
Cable Tail Length	6 Inches
Drive Weight:	6.0 Ounces
Compliance	C E, FCC
Operation Temperature	41 to 95° F
Storage Temperature	-4 to 122° F
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.