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PRMA-0445-000MD



 **ThunderLink**[®]
 **ThunderStream**[®]

Getting Started Guide

Getting Started Guide

Thank you for purchasing an ATTO Thunderbolt™ adapter. This guide gives you the basic information for installing and configuring your device. For more information, refer to the **ATTO ThunderLink® and ThunderStream® Installation and Operation Manual**.

Ensure you have the following prerequisites:

- ThunderLink or ThunderStream
- Thunderbolt technology-enabled host
- A Thunderbolt cable
- Compatible storage (SAS/SATA, Fibre Channel or Ethernet)
- A storage device (SAS/SATA, Fibre Channel or Ethernet) cable
- ATTO Config Tool™

1 Installing the ThunderLink or ThunderStream device



CAUTION

ThunderLink and ThunderStream adapters contain components that are sensitive to electrostatic discharge (ESD). ESD can cause damage to these components. Do not attempt to open the enclosure as it will void your warranty. Always back up your system data before changing or installing any hardware.



CAUTION

For Windows PC: the Thunderbolt™ certified device driver must be installed before plugging in the device for it to function properly. Please follow the [Windows](#) instructions under [Installing Drivers](#) on this page before proceeding to [1.1](#)

- 1.1 Ensure that power to the storage device is off.
- 1.2 Connect the AC adapter to the ThunderLink or ThunderStream device and the power cord to a power source.
- 1.3 Connect the storage to the ThunderLink or ThunderStream via the storage device cables.
- 1.4 Connect your ThunderLink or ThunderStream device to your laptop or other computing device via the Thunderbolt cable.
- 1.5 Power on the storage.

2 Installing Drivers

Mac OS

Downloading drivers from the ATTO website

- 2.1 Go to www.atto.com.
- 2.2 On the main menu, hover over **Support** and then click on **Downloads**.
- 2.3 Register or log in if previously registered.
- 2.4 Select **Thunderbolt Devices** from the product list.
- 2.5 Select your model.
- 2.6 From the table, find your Operating System.
- 2.7 Click on the entry for the latest driver.
- 2.8 A download window appears. Follow the instructions for downloading the driver.
- 2.9 Select a download destination and run the self-extracting executable file.

Windows

Downloading drivers from the ATTO website

- 2.1 Go to www.atto.com.
- 2.2 On the main menu, hover over **Support** and then click on **Downloads**.
- 2.3 Register or log in if previously registered.
- 2.4 Select **Thunderbolt Devices** from the product list.
- 2.5 Select your model.
- 2.6 From the table, find your Operating System.
- 2.7 Click on the entry for the latest driver.
- 2.8 A download window appears. Follow the instructions for downloading the driver.
- 2.9 Select a download destination and run the self-extracting executable file.

3 Install configuration software

The ATTO Config Tool provides an effective mechanism to configure your ThunderLink or ThunderStream device and RAID storage.

The latest version of Oracle® Java is recommended for use with the ATTO Config Tool. It can be obtained through a Software Update (Mac OS) or via java.com (Windows).

Instructions for FULL or APPLICATION ONLY installation:

- 3.1 Launch the ATTO Config Tool Installer
- 3.2 Run the Config Tool_4xx file
- 3.3 Select FULL or APPLICATION ONLY as desired
- 3.4 Follow the on-screen instructions.

4 Create RAID groups



Note

The following section applies to the ThunderStream 4808 only.

- 4.1 Launch the ATTO Config Tool. The **Welcome** screen appears.
- 4.2 From the left-hand panel **Device Listing**, expand all the elements in the **hosts** tree.



Note

An administrator name and password will be needed to expand the device tree.

- 4.3 Select the **ThunderStream 4808** by clicking on the element in the **Device Listing** panel.
- 4.4 Click on the **RAID** tab in the right panel.
- 4.5 The application scans for drives.
- 4.6 A list of available drives appears. Devices are displayed in the top panel and RAID groups and Hot Spares are displayed in the bottom panel.
If you have not yet defined any RAID groups, selecting the **RAID** tab automatically starts a RAID wizard. The wizard is displayed in the bottom panel.
If the RAID wizard does not start automatically, select the **RAID Management** menu item at the top of the screen, then select the **Create RAID Group** from the menu presented.
- 4.7 Select either **HDD, SSD or DVRaid**.

5 Configure your storage and ThunderLink or ThunderStream device

Default settings are appropriate for most systems but you may change settings using the ATTO Config Tool.

Please refer to the ATTO ThunderLink and ThunderStream Installation and Operation Manual or contact an ATTO Technical Support Technician.



Note

If you plan on using the Linear Tape File System (LTFS) with LTO drives follow one of the two options listed below to avoid a potential data corruption issue on an LTO tape drive behind the Thunderlink SH 2068 or ThunderStream SC 4808 if a Thunderbolt host goes to sleep or hibernates with data in the buffered cache.

- 5.1 Disable the OS sleep/hibernate mode if LTFS operations are used.
- 5.2 If sleep mode is required, go into the LTFS application and set the utility to flush the cache as soon as the OS closes the file (sync_type set to close). This may affect performance.

Please contact ATTO Technical Support if you need additional information or assistance with these configuration suggestions.

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