OWC Archive Pro Getting Started - Mac

Thank you for purchasing the OWC Archive Pro. Initial use requires a few steps for setup.

OWC Archive Pro Device Drivers and Tools

Begin by downloading the Archive Pro Installer: <u>download.owc.com/archivepro/mac</u>

ATTO SAS HBA Drivers - These drivers are required for the Archive Pro and should be installed first.

IBM LTFS Tools - The IBM LTFS tools are required by some third-party software applications. Please consult with the software requirements for understanding if this tool is needed.

IBM Tape Diagnostic Tools - Checks the health of the Archive Pro. Does not support LTO-9 drives.

Required - ATTO SAS HBA Drivers

The package within the "ATTO SAS Drivers (Install First)" folder must be installed depending on the ATTO ExpressSAS HBA installed. To determine your device's ID:

1. Open the System Profiler and select the PCI tab in the navigation pane.

	MacBook Pro				
✓ Hardware ATA	Card ^	Туре	Driver Installed	Slot	
Apple Pay	ethernet	Ethernet Controller	Yes	Thunderbolt@3.0.0	
Audio	pci1b21,2142	USB eXtensible Host Controller	Yes	Thunderbolt@5,0,0	
Bluetooth	pci1b73,1100	USB eXtensible Host Controller	Yes	Thunderbolt@6,0,0	
Camera	pci1b73,1100	USB eXtensible Host Controller	Yes	Thunderbolt@4.0.0	
Card Reader	pci117c,8070	SAS Controller	No	Thunderbolt@10,0,0	Ξ.
Controller	pci197b,585	AHCI Controller	Yes	Thunderbolt@25,0,0	
Diagnostics	pci1987,5012	NVM Express Controller	Yes	Thunderbolt@16,0,0	
Disc Burning	pci1987,5012	NVM Express Controller	Yes	Thunderbolt@15,0,0	
NVMExpress PCI Parallel SCSI Power Printers SAS SATA SPI Storage Thunderbolt/USB4 USB ∨ Network	Tunnel Compatible: Pause Compatible: MSI: Bus: Slot: Vendor ID: Device ID: Subsystem Vendor ID Subsystem ID: Revision ID: Link Width: Link Speed:	No No PCI Thunderbolt@10,0,0 0x117c 0x8070 : 0x117c 0x0080 0x0080 0x0006 x4 8.0 GT/s			
Firewall	Tim's MacBook Pr	ro (393) > Hardware > PCI > n	ci117c 8070		

- 2. From the displayed list of devices, select the entry named "SAS Controller" and look at the info pane to find the "Device ID:" entry.
 - The Mercury Pro LTO unit can be **0x8070** or **0x00e6**.
 - The Archive Pro should should be **0x00e6**.
- 3. Once you have the device ID, choose the appropriate driver to install from the files in the "ATTO SAS Drivers (Install First)" folder:
 - 0x8070 macos_kext_esashba4_1120f1.dmg
 - 0x00e6 macos_kext_esashba5_1080f1.dmg

Installation of the proper driver is required for your Mac system to see and access the Archive Pro LTO tape drive properly. Installation may require security authorized steps (dependent on your current system security settings) and will require a system reboot.

Catalina and later users note: Once the installation completes, **do not click** the Restart button when presented. Instead, you should be prompted to allow a system driver extension (kext) from ATTO. **Do not** click the "OK" button, but rather the "Open Security Preferences" button. Clicking the OK button at this step will disable the driver and the Archive Pro will not be recognized moving forward.



- 1. Open Apple Menu -> System Preferences
 - Note: macOS 13 and later have a different stylized System Preferences.
- 2. Select Security and Privacy
- 3. Make sure that you are on the General tab and unlock the window.
- 4. Click the "Allow" button that appears in the lower section of the pane.
 - macOS 13 and later users should click "Details" and then toggle on ATTO Technology, Inc.





•••	Privacy & Security
	Security
Tim Jones Apple ID Family	Allow applications downloaded from App Store App Store and identified developers
oftware Update vailable	System software from the following developers was blocked from loading. Select those you would like to approve:
Bluetooth	Apple Inc Updated
	ATTO Technology, Inc.
Sound	Cancel OK access your data
Screen Time	
 General Appearance Accessibility 	Lockdown Mode Lockdown Mode is an extreme, optional protection that should only be used if you believe you may be personally targeted by a highly sophisticated cyberattack. Most people are never targeted by attacks of this nature.
🗟 Control Center 🔊 Siri & Spotlight	When Mac is in Lockdown Mode, it will not function as it typically does. Applications, websites, and features will be strictly limited for security, and some experiences will be

- 5. You will then be prompted to reboot your system click the Restart button to finalize the installation.
- 6. Once the system has rebooted, use the Apple menu to select About This Mac.
- 7. Click the System Report button
- 8. Select the SAS option in the left list
- 9. The Tape drive will show up in the information pane as shown below. The brand will be either HPE, IBM, or Quantum.



Optional - IBM LTFS Tools

If you will be using a backup app that depends on LTFS support for operation, the next installation will be the 3 packages in the LTFS Tools folder. The packages should be installed in this order:

- 1. ICUFramework
- 2. MacFUSE
- 3. Itfssde
- During the installation of these components, you will be prompted as in the ExpressSAS kext above by the macOS gatekeeper to allow the MacFuSE extension to be enabled in Security and Privacy System Preferences. Follow the steps as outlined for the ATTO SAS driver above to enable the MacFuSE extension.
- You will once again be required to reboot your system to enable these extensions.

Optional - IBM Tape Diagnostic Tools

For checking on the health of your Archive Pro, you should not depend on errors reported by your backup application. Instead, we have provided the appropriate tape diagnostic tools in the Install Packages DMG - in this case the IBM "ITDT" package.

Also included with the "ATTO SAS Drivers" folder in the ATTO Config Tool package. This package is used for troubleshooting the ATTO HBA and to under the HBA firmware version. It is not required for normal operations of the Archive Pro.

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