



## ThunderStream™ SC 3808 Release v1.20 - Mac OS® X

### 1. General Release Information

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These product release notes define the new features, changes, known issues and release details that apply to the ThunderStream SC 3808 RAID Storage Controller Desklink Device, version 1.20, which was released on 02/27/15. This information pertains to the Mac OS X platform for Intel® based systems.

### 2. Changes

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- **Version 1.20 (Released 02/27/15)**
  - **Note:** It is recommended that firmware dated 02/25/15 be utilized with this driver release.
  - **New Features, Enhancements and Changes**
    - Driver improvements if the adapter is reset when driver resources are limited.
    - Resolved an error where RAID group commands may be improperly formatted during an adapter resets
  
- **Version 1.15 (Released 07/31/14)**
  - **Note:** It is recommended that firmware dated 07/31/14 be utilized with this driver release.
  - **New Features, Enhancements and Changes**
    - Added PCIe pause support for Thunderbolt hot plugging in OS X 10.9.
    - Added event logs when the driver resets the firmware to indicate why the driver reset the firmware.
    - Added a service to log all driver output to a file which will be collected by Config Tool diagnostics. The driver name and version are logged on every boot.
      - *Note: The log file is not deleted when the driver is uninstalled.*
    - Driver events are written to the OS X system log. By default, only fatal events are reported.
      - *Note: See the driver readme to change the event log mask to log additional events.*
    - Added discovery of RAID50 / RAID60 groups for firmware that supports them.
    - Resolved a leak in the I/O request pool when the driver is unloaded and reloaded within 60 seconds.
    - Speed improvements have been made for application interfaces.
  
- **Version 1.10 (Released 10/15/13)**
  - **Note:** It is recommended that firmware dated 07/15/13 be utilized with this driver release.
  - **New Features, Enhancements and Changes**
    - Mac OS X Mavericks (10.9) Support.
    - Added support for Frey B3 chips.
  
- **Version 1.03 (Released 07/17/13)**
  - **Note:** It is recommended that firmware dated 07/15/13 be utilized with this driver release.
  - **New Features, Enhancements and Changes**
    - Pass through devices in firmware versions 1.15 and later are persistently mapped to prevent potential data corruption. Pass through devices in prior versions are not discovered to prevent data corruption.

- Resolved an issue with the event logging so the correct time will be logged when the system resumes after sleep. *Note:* both the driver and event logging application have changed and are not compatible with previous releases.
  - Added support for the atsasphy and atstap CLI tools.
  - Added support for additional firmware based functionality in the atinfo and attrace CLI tools.
  - Added support for the SMP API.
  - Added support for CSMI.
  - Improved the device scan time for CLI tools.
  - Added support for reading the SAS address of front-end devices.
  - Corrected an issue that could prevent the event log from displaying the entire RAID group name.
  - Added event logging to discovery code.
- **Version 1.02 (Released 09/26/12)**
    - **Note:** It is recommended that firmware dated 08/09/12 be utilized with this driver release.
    - **New Features, Enhancements and Changes**
      - Updated the memory allocation for x64 platforms for compatibility with OS X 10.8.2 and later.
      - A notification will be sent that the firmware has been reset when coming out of power management.
      - Improved the device polling based on the Device Wait Time and Count settings to prevent device thrashing on power up and sleep recovery.
      - Added support for Frey B2 chips.
  - **Version 1.01 (Released 08/13/12)**
    - **Note:** It is recommended that firmware dated 08/09/12 be utilized with this driver release.
    - **New Features, Enhancements and Changes**
      - Initial release for the ThunderStream 3808D Desklink device.

### 3. Known Issues/Advisements

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- An LTFS Volume can potentially become corrupted on an LTO tape drive behind the ThunderStream SC 3808 if a Thunderbolt host goes to sleep or hibernates with data in the buffered cache. There are two options to avoid this situation:
  1. Disable the OS sleep/hibernate mode if LTFS operations are used  
– OR –
  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.
- Note: Please contact ATTO Technical Support if you need additional information or assistance with these configuration suggestions.

### 4. Affected Products

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Product Name	SKU
ThunderStream SC 3808D Desklink Device	TSSC-3808-D00/DE0
ThunderStream SC 3808E Desklink Device	TSSC-3808-E00

### 5. Contacting ATTO Support

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ATTO Technology, Inc. is renowned for its technical support services. ATTO's goal is to provide you the quickest response possible for your technical support needs, and is available Monday-Friday, 8:00 AM to 6:00 PM EST (except holidays and plant closings).

ATTO Technical Support can be contacted via phone or email:

- Phone: 716.691.1999 ext. 242
- E-Mail: [techsupport@attotech.com](mailto:techsupport@attotech.com)