



ATTO Technology, Inc.

# Product Release Notes

## ThunderStream™ SC 3808 Release v1.15 - Windows®

### 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 1.15, which was released on 02/27/15. This information pertains to Microsoft Windows Operating System including Windows 7, 8 platforms.

### 2. Changes

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- **Version 1.15 (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 1.10 (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 support for Frey B3 chips.
    - Devices are now removed from the system when the adapter is degraded.
    - Improvements have been made to always log an event when an adapter is initialized.
    - Added event logs when an adapter initialization fails.
    - Added event logs when the driver resets the firmware to indicate why the driver reset the firmware.
    - Added a system event log message when firmware event log messages are being dropped by the driver.
    - Improvements have been made so custom event codes do not conflict with system event codes.
      - *Note: Events logged with those versions prior to v1.10 cannot be read with other driver versions installed.*
    - Corrected a data corruption issue that could occur under heavy I/O load when using Power Center.
    - The driver will back off the command timeout by at most 5 seconds
    - Added discovery of RAID50 / RAID60 groups for firmware that supports them.
  
- **Version 1.05 (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**
    - Initial release for the ThunderStream 3808 Desklink device.
    - Added event logging to discovery process.
    - Pass through devices in firmware versions prior to 1.15 are not discovered to prevent potential data corruption.
    - Added improvements so I/O transfer sizes are not limited to 1MB for Windows 8 x86.
    - Added uninstall functionality to the driver installer.

### 3. Known Issues/Advisements

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- An LTFS Volume can potentially become corrupted on an LTO tape drive behind the Thunderlink SH 1068 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)