



ThunderStream™ SC 3808D Flash Bundle Version 140731

1. General Release Information

These product release notes define the new features, changes, known issues and release details that apply to the ThunderStream RAID Storage Controller 3808D Desklink Device flash bundle package which was released on 07/31/14. This information pertains to the flash bundles and BIOS utility associated with the ThunderStream RAID Storage Controller products.

2. Changes

- **Version 140731 (Released 07/31/14)**
 - **New Features, Enhancements and Changes**
 - Incorporated controller firmware version 1.45.
 - *Note: Firmware does not allow back flashing to versions prior to release v1.45.*
- **Version 140425 (Released 04/30/14)**
 - **New Features, Enhancements and Changes**
 - Incorporated controller firmware version 1.40.
 - Desklink Device transitions to an idle state when a Thunderbolt cable is removed or the host is shutdown. Device will reboot as expected when a Thunderbolt cable is re-attached or power to the host has resumed.
- **Version 140129 (Released 02/04/13)**
 - **New Features, Enhancements and Changes**
 - Incorporated controller firmware version 1.30.
 - Resolved an issue where RAID groups go offline, instead of idle, when the unit enters low-power mode.
- **Version 131028 (Released 10/28/13)**
 - **New Features, Enhancements and Changes**
 - Incorporated controller firmware version 1.20.
 - Removes devices from the system when the adapter goes degraded.
 - Added new Dynamic Device Discovery feature to more efficiently recognize devices.
 - Made improvements to better handle large file copies.
 - Drive shutdown is enabled.
 - Resolved a data abort issue after many sleep cycles.
- **Version 130715 (Released 07/17/13)**
 - **New Features, Enhancements and Changes**
 - Incorporated controller firmware version 1.15.
 - Improved the reset acknowledge sequence (PIC).
 - Allows RAID Groups to be deleted even while writing I/O.
- **Version 130212 (Released 02/12/13)**
 - **New Features, Enhancements and Changes**
 - Boot Time Speedup improved.
 - Fan behavior improved.

3. Known Issues/Advisements

- 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:
 - a. Disable the OS sleep/hibernate mode if LTFS operations are used
– OR –
 - b. 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.
- Rebuilds interrupted by a power cycle or interrupted by a Thunderbolt cable pull must be manually resumed after power is restored or the Thunderbolt cable is re-inserted.
- Devices are not operational after quick detach/reattach.
- Drives timeout on the same logical block addressing (LBA).
- Sync cache runs on an endless loop.

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

4. Affected Products

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

5. Contacting ATTO Support

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