



ATTO Technology, Inc.

# Product Release Notes

## ExpressSAS RAID Release v2.00 - 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 ExpressSAS RAID adapter product, version 2.0, which was released on 01/23/2008. This information pertains to the Mac OS X platform for PowerPC and Intel® based systems.

### 2. Changes

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- **Version 2.00 (Released 1/24/2008)**
  - **Note:** It is recommended that firmware dated 01/23/08 be utilized with this driver release.
  - The following apply to changes made from v1.20 to v2.00
  - **New Features**
    - **Pass-through mode:** Provides support for operation of the RAID adapter with non-block devices such as tape drives and libraries.
    - **Auto rebuild:** Support added to allow users to set the adapter to automatically begin a rebuild of a RAID group when a failed drive is replaced with a new, clean drive.
    - **Staggered drive spin-up:** Support added to set the interval to spin drives up individually ultimately lowering the power consumption on the enclosure power supply.
    - **SES support:** Added support to monitor the health of the storage enclosure and its respective devices.
    - **GUI Improvements:** Added ability to display RAID group properties within the Configuration Tool.
  - **Incident Resolutions/Bug Fixes/Changes**
    - Untagged commands switched from using ordered queuing to simple queuing.
    - The initial heartbeat timeout was reset to 20 seconds to address a shared interrupt issue.

### 3. Known Issues/Advisements

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- “Deep” sleep is supported only on Intel Macs. PowerPC Macs will sleep, but not “deep” sleep, so the sleep light will not pulsate. A side effect is that when PowerPC systems are put to sleep, the fan speed will increase to the max until the system is awakened.
- The BlockDevIdentify command does not work correctly for Fujitsu drives. Drive activity light only flashes once when this option is enabled.
- Adapter target device discovery does not work properly if a SATA array has been previously connected (without being power-cycled) to another HBA (ie. a second ATTO HBA or another vendor’s).
- Setting the RAIDCommandTimeout parameter to 500msec or below causes a RAID group to go offline when using SATA drives.

#### 4. Affected Products

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Product Name	SKU
ExpressSAS R348 RAID Adapter	ESAS-R348-000
ExpressSAS R380 RAID Adapter	ESAS-R380-000

#### 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 8:00 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)