

Z-SAN™ Firmware Version 1.7.1

Release Note

This release note contains information about the installation, supported configurations, and known limitations of Z-SAN firmware version 1.7.1. If you experience any problems while installing or using this firmware please review this document to determine if you are encountering an identified issue.

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What's new in this release?

- Fixes crash caused by running system with no network cable for extended periods.
- Fixes RC1b-428 that causes firmware to crash on disk removal.
- Fixes RC1b-423 that causes firmware to not send a drive in trap the first time a hot swap is performed.
- Bug fix for RC1b-420. In situations when a disk is pulled out from bay 0 (any low number) to bay 2 (any higher number), this could cause problems.
- Added additional code in to extend Validate Read Token and Validate Write token commands to partition tokens and not just root tokens.
- Minor improvements in firmware upload algorithm including additional timeouts to fix bugs related to hanging of HTTP thread due to multiple logins.
- Fixed some LED related bugs.
- Fix for the strange disk timeouts.
- Enables UDP hardware checksum on incoming traffic.
- Fixes problems with disk hotswap when disk cache flush is enabled.
- Fills the `usan_speed` field in the get root status response packet.
- Improved handling in case a bad context is detected on a disk.
- Fixes bad root problem after user performs a reset drive.
- Fixes extremely rare boot crash caused by pulling a disk out during disk creation.
- Forces flush of disk cache right after a root context is written to the disk before proceeding to the next.

Installation

This firmware should be installed using the firmware upgrade function of the Personal Storage Manager (PSM). The upgrade can be found by clicking on the actions list for any enclosure listed on the Physical Devices page of PSM.

All users should upgrade to PSM 1.2.3 at the same time as they upgrade to firmware version 1.7.1. The PSM and firmware upgrade may be performed in any order, but both upgrades should be performed prior to normal use of the system.

Supported Configurations

This firmware release should be used with PSM version 1.2.3. Use with PSM version 1.1.8 is not recommended.

Known Limitations

When the firmware is upgraded, all volumes that are mounted on the PC that is performing the upgrade will be dismounted. The user will need to manually remount these volumes. This automatic dismount only occurs during the upgrade process. All future use of the system will not cause this issue. In addition, all other PCs that access the volumes, but are not performing the upgrade, will be unaffected.