



QD Release Notes

Madrid 08.40.xx.xx

Product	Firmware Version: 08.40.30.03
Date	September 2018

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Firmware

The Madrid 08.40.xx.xx controller firmware is for:

- Titan controllers only
- QD7000 systems

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Introduction

StorNext QD7000 firmware is shipped as a bundle from Quantum. When updating to the 08.40.30.03 controller firmware, it is necessary to use SANtricity version 11.4x or later.

Note: The Madrid 08.40.30.03 controller firmware is for the newer controllers (Titan) in the QD7000 systems only.

Caution: Do not install the Madrid 08.40.30.03 controller firmware on the older controllers (Soyuz or Pikes Peak) in the QD6000, QS1200, and QS2400 systems.

Purpose for This Release

Release 08.40.30.03 is the latest firmware maintenance release. This release corrects a number of known firmware issues.

Maintenance notes include:

- The Madrid firmware is for the Titan controllers only.
- The Madrid firmware replaces the Lehigh firmware.
- Lehigh firmware updates ended April 2018.

Note: Refer to [Software_Firmware_Upgrade_Guide](#) (P/N: 6-68659-01 Rev A) for information about how to upgrade storage management software, controller firmware and NVSRAM, and ESM firmware in your storage arrays.

Resolved Issues

This section describes the issues that were fixed in the following releases.

- [Fixes in Build 08.40.30.03](#)
- [Fixes in Build 08.40.00.00](#)

**Fixes in Build
08.40.30.03**

Fixes in build 08.40.30.03 include:

Issue Description for 08.40.30.03

Data Assurance errors incorrectly treated as SAS link errors which can result in an unexpected failed drive

Array power loss/restore during the extremely small window where one controller has unwritten data in cache and the other controller does not, can result in data inconsistency

Unexpected controller reboot if a drive encounters an internal reset during a manual drive fail, a manual drive un-fail, or drive firmware download

Unable to redistribute volumes back to preferred ownership after a drive fails to spin up when the controller initiates a drive power cycle for recovery

Unexpected controller reboot in the unlikely event that a mirror volume is deleted while support data is being collected

With iSCSI, an unexpected controller reboot occurs if a host logout occurs in the narrow window while iSCSI session information is being processed as part of a support data collection

With active I/O on a Fibre Channel host interface, in the rare event that an I/O completion coincides with a chip fault, a controller reboot may occur

With iSCSI or IB/iSER, an unexpected controller reboot may occur if the initiator closes a connection before a previous login is finished.

Unexpected controller reboot if an iSCSI session is disconnected during automated or manual support bundle collection

On E2700 with 2 GB cache per controller, a controller lockdown may occur when background operations are started on a volume with a large number of drives, while write caching is disabled on all volumes

With Data Assurance and Synchronous Mirroring, unreasonably high latency may be incorrectly reported

When using SMcli to create a large disk pool volume (>60 TB) then immediately attempt to map a volume to a host (as with a saved configuration script), script execution halts with an error

With a writeable snapshot volume created from the oldest of 10 or more snapshot images, a controller reboot may occur with specific workloads to the snapshot volume

With a disk pool with a large number of drives, controller may reboot during multiple drive failures or removal

**Fixes in Build
08.40.00.00**

There are no resolved issues (fixes) specifically highlighted in the 08.40.00.00 firmware release.

Known Issues

There are no known issues specifically highlighted in the following firmware releases.

- 08.40.30.03
- 08.40.00.00

Contacting Quantum

More information about this product is available on the Service and Support website at <http://www.quantum.com/ServiceandSupport/Index.aspx>. The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

For further assistance, or if training is desired, contact the Quantum Customer Support Center:

United States	1-800-284-5101 (toll free) +1-720-249-5700
EMEA	+800-7826-8888 (toll free) +49-6131-3241-1164
APAC	+800-7826-8887 (toll free) +603-7953-3010

For worldwide support:

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