IBM TotalStorage DS4000 250GB SATA Drive CRU/FRU Release Note

IBM

The IBM® TotalStorage® 250GB SATA drive CRU/FRU P/N 40K6837 requires a certain minimum level of the DS4000 storage subsystem controller firmware and the EXP100 drive expansion enclosure ESM firmware. Prior to installing the hard drive in your DS4000 configuration, your DS4000 storage subsystem firmware must be at the required versions listed in Table 1.

If a firmware upgrade is required to install the 250GB drive CRU/FRU P/N 40K6837 and the DS4000 Storage Subsystem is in:

- **Optimal state:** Upgrade to the latest firmware version required to maintain this minimum level for your DS4000 storage subsystem. To download the latest firmware, go to the IBM DS4000 TotalStorage support Web site (http://www.ibm.com/servers/storage/support/disk/), and then click the appropriate link for each of your DS4000 Storage Subsystems.
- **Need Attention state:** Contact IBM Support for additional instructions.

The 250GB SATA CRU P/N 90P1349 is being replaced by CRU P/N 40K6837, which has prerequisite levels of Controller and Drive Expansion Subsystem firmware.

After you install P/N 90P1349, IBM recommends that you update immediately to the latest levels of firmware that support the new 250GB SATA CRU P/N 40K6837. If upgrading firmware after installing the 250GB CRU P/N 90P1349, upgrade to the latest firmware version required to maintain this minimum level for your DS4000 storage subsystem. To download the latest firmware, go to the IBM DS4000 TotalStorage support Web site (http://www.ibm.com/servers/storage/support/disk/), and then click the appropriate link for each of your DS4000 Storage Subsystems.

Attention: You might have to upgrade the DS4000 Storage Manager, which is installed in your management station, to a later version before downloading the newer firmware into your DS4000 storage subsystem controllers.

Table 1 lists the required firmware versions for each IBM TotalStorage DS4000 product to enable support for the 250GB SATA drive CRU/FRU P/N 40K6837.

Table 1. Required firmware versions by product

Product name	Machine type	Models	Required firmware versions[1]
IBM TotalStorage DS4100 Single controller (SCU)	1724	1SC, 1Sy^2	6.12.13.xx or higher
IBM TotalStorage DS4100 Dual Controller (Standard)	1724	100	6.12.13.xx or higher
IBM TotalStorage DS4300 Dual Controller (Standard)	1722	60X, 60U	6.12.13.xx or higher
IBM TotalStorage DS4300 Dual Controller (with Turbo option)	1722	60X, 60U	6.12.13.xx or higher

Table 1. Required firmware versions by product (continued)

Product name	Machine type	Models	Required firmware versions[1]
IBM TotalStorage DS4400	1742	1RX, 1RY	6.12.13.xx or higher
IBM TotalStorage DS4500	1742	90X, 90Y	6.12.13.xx or higher
IBM TotalStorage DS4800	1815	82A/H, 84A/H, 88A/H	6.15.16.xx or higher
IBM TotalStorage EXP100 drive expansion enclosure	1710	10X, 10U	9563 or higher
	1724	1Xy[2]	

[1] Do not assume that any firmware versions higher than the listed version are compatible with the listed DS4000 storage products. Always check the README file of the firmware package for any non-support incompatibility statements, prerequisite tasks, cautions, required firmware download sequences, or limitations before performing the firmware download task.

Depending on the existing version of the installed controller firmware, you might also need to schedule down time for the firmware upgrade.

[2] The y character in the model number indicates different models of the same machine type with the same first two-character model number.

Notes:

1. Refer to the DS4000 Storage Manager Installation and Support Guide for your OS environment and to the DS4000 Storage Manager client online help for instructions on installing the host software and to perform firmware upgrades.
2. Subscribe to "My Support", on the IBM DS4000 TotalStorage support Web site, to automatically receive notifications on the availability of new firmware and Storage Manager host software for your DS4000 storage subsystems. To subscribe to "My Support" click **My Support**, and then follow the provided instructions. To learn more about the My Support subscription services, click **Tutorial**.

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