
Raidtec CS3102 Release Notes

Firmware version 0121

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Raidtec
S O L U T I O N S

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1 Raidtec CS3102 Release Notes

These release notes apply to the following:
Raidtec CS3102 controller firmware

Release Date: **04 January 2006**
Current version: **0121**
Previous version: **0120**

2 Compatibility

The controller firmware is used with the following.

- Raidtec CS3102 controller.
- Raidtec Manager™ administration software version 2.0 or higher.

The controller firmware is compatible with the following operating systems.

- Windows 2000 / 2000 server
- Windows 2003 / 2003 server
- Apple Mac OS X Server (Panther / Tiger)

3 Installation of Raidtec CS3102 firmware

The firmware is pre-installed on all Raidtec CS3102 controllers before shipment.
If separate installation is required, use the following instructions.

Updating from the Internet

- 3.1 Using Raidtec Manager version 2.0 or higher, select '**Administration Menu → Update**'.
- 3.2 Click the '**Check Internet for Updates**' button to show a list of the available updates for the system.
- 3.3 Select the firmware to be installed from the list of available files by clicking the associated box.
- 3.4 Click the '**Download Updates**' button to download the firmware to the local computer
- 3.5 When prompted to '**Update Firmware Now**', select '**Yes**' (the '**Administration → Service Options → Controller Services**' screen will open).
- 3.6 To upgrade the firmware using the new downloaded file, click the '**Upgrade Controller**' button.
- 3.7 Select '**CS3102_0121_FW.bin**' from the list of binary files presented.
- 3.8 Confirm '**Yes**' to the new binary file details to upgrade the controller.
- 3.9 When prompted, select '**Yes**' to reset the controller to complete the firmware installation.

4 Fixes in Raidtec CS3102 firmware

Version 0121

04 January 2006

4.1 All fixes prior to this version are included in this version.

4.2 This version of firmware brings the Raidtec FS3102 and the Raidtec CS3102 to the same code base.

4.3 Mac OS X Server (10.3 and 10.4) is now supported.

4.4 SNMP is now supported.

4.5 960 Logical volumes now supported

It is now possible to create 64 LUN's per SCSI ID, resulting in a total of 960 possible logical volumes.

4.6 All SMTP messages contain 'Line Feed & Carriage Return'.

Previously, the alerts sent out from the Raidtec controller contained '**line feed**' only. Some SMTP servers will only recognise '**line feed & carriage return**', otherwise the message is rejected. All SMTP messages are now formatted correctly.

4.7 Repeated SMTP messages not sent.

Previously, when more than one error occurred simultaneously, the SMTP events were sent more than once for a single fault. Now only one message is sent per fault.

4.8 SNMP message body is no longer indexed.

Previously, when an SNMP trap receiver received a message, the main body text of the message was missing. The main body text of the message actually appeared when the next message was received. Now the main body text is included in all SNMP alerts.

4.9 Disk errors are now kept on a controller reboot.

Previously, when the controller was restarted the error count on the disks was reset back to zero. This is because the count was stored in SDRAM. The error count is now stored in NVRAM, therefore the error count is retained during a reset.

4.10 Disk error LED stayed on after disk replacement.

When a disk is removed the disk error LED turned on to indicate a missing disk. Previously, if the disk were then replaced with another disk, the LED would stay on. To turnoff the LED the controller needed to be reset. This has now been fixed.

4.11 Clearing the event log.

Every time the oldest event is replaced with a new event (i.e. when the event log is full), Raidtec Manager needs to retrieve the updated event log. This has the effect of slowing the response time when issuing commands. If this does occur it is possible to clear the event log, contact Plasmon Technical Support for further help if required.

4.12 Deleting a RAID during initialization does not give a "degraded RAID" error.

Previously, if an initialising RAID was deleted, an alarm would sound and an event log entry would indicate that the RAID had degraded and then had been deleted. This error has been removed.

5 Known issues in Raidtec CS3102 firmware

Version 0121

04 January 2006

5.1 The controller fault LED does not illuminate when the buzzer is disabled.

When the buzzer is disabled, the fault LED on the back of the controller will not illuminate when a fault is detected. Raidtec Manager will continue to log the warning in the event log and display a new warning message in the status bar.

5.2 MPIO Load balancing not released.

Fibre-Channel failover can be configured using SAN management tools. Load balancing, using an MPIO driver, across both FC ports simultaneously is not possible. A valid MPIO driver will be made available in a future release.

5.3 A faulty disk is detected but not loaded at startup.

If the firmware detects a faulty disk on startup (i.e. a disk it cannot be read), the disk will not be displayed in the list of available disks. However the disk is not marked as faulty, therefore the blue presence LED is on but Raidtec Manager reports the disk not present.



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