

Sun StorEdge™ RAID Manager 6.2.21 Release Notes

for Microsoft Windows NT



THE NETWORK IS THE COMPUTER™

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Introduction

This document contains important information for installing and using the Sun StorEdge™ RAID Manager 6.2.21 software for the Microsoft Windows NT platform.

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New Files on the RAID Manager CD

The following table shows the files that have been added to the `/firmware` directory on the Sun StorEdge RAID Manager 6.2.21 CD.

File Name	Description
<code>fwcompat.def.update_1</code>	The integration of the <code>03.00.11.32.bwd</code> and <code>03.00.11.33.apd</code> code names for the online or offline firmware download operation.
<code>03.00.11.32.bwd</code>	The bootware code to support 3621A controllers.
<code>03.00.11.33.apd</code>	The appware code to support 3621A controllers.

Refer to the *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10) for complete instructions on how to install the Sun StorEdge RAID Manager software.

Installing RAID Manager 6.2.21

Perform the following procedure to install Sun StorEdge RAID Manager 6.2.21 for the first time. To complete this procedure, you need:

- Sun StorEdge RAID Manager 6.2.21 CD
- *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10).

1. **Follow the installation procedures as described in the *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT*.**

After completing and verifying the installation of RAID Manager, go to step 2.

2. **Copy the following files from the `/firmware` directory on the RAID Manager 6.2.21 CD to the `/Program Files/Raidmgr/Lib` directory:**

- `fwcompat.def.update_1`
- `03.00.11.32.bwd`
- `03.00.11.33.apd`

3. **As a precaution, rename the existing `fwcompat.def` file in the `/Lib` directory to the following name:**

`fwcompat.def.old`

4. **Rename the `fwcompat.def.update_1` file to the following name:**

`fwcompat.def`

5. **Select and perform either the Online or Offline method to download new controller firmware, and verify that 03.00.11.32.bwd and 03.00.11.33.apd can be selected from the firmware menu.**

This step completes installation of the RAID Manager 6.2.21 software.

Upgrading to RAID Manager 6.2.21

Perform the following procedure to upgrade to Sun StorEdge RAID Manager 6.2.21 from an earlier version of RAID Manager. To complete this procedure, you need:

- Sun StorEdge RAID Manager 6.2.21 CD
- *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10).

1. **Copy the following files from the `/firmware` directory on the RAID Manager 6.2.21 CD to the `/Program Files/Raidmgr/Lib` directory:**

- `fwcompat.def.update_1`
- `03.00.11.32.bwd`
- `03.00.11.33.apd`

2. **As a precaution, rename the existing `fwcompat.def` file in the `/Lib` directory to the following name:**

`fwcompat.def.old`

3. **Rename the `fwcompat.def.update_1` file to the following name:**

`fwcompat.def`

4. **Select and perform either the Online or Offline method to download new controller firmware, and verify that 03.00.11.32.bwd and 03.00.11.33.apd can be selected from the firmware menu.**

This step completes the upgrade procedure

Firmware Specifications

Refer to Appendix A in the *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10) for more on firmware specifications.

Latest Controller Firmware Version

You should upgrade the controllers to the highest firmware level supported by your current version of RAID Manager. The most recent controller firmware version is:

3.00.11.32.bwd and 3.00.11.33.apd

For instructions on upgrading controller firmware version, refer to the *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10).

Controller Firmware Requirements

The RAID Module Controllers that support the RAID Manager 6.2.21 software and the required firmware level for each controller are shown in the following table.

Controller Type	Required Firmware
3201	2.04.20 — does not support 3.0
3620, 3622	2.05.04 or later — does not support 3.0
3240, 3621, 3621A	2.05.04, 3.0, or later

Upgrade Notes

The following table shows the upgrade path for the controller firmware version on a RAID Module's controllers.

If you have this firmware version:	You should upgrade to:
2.05.04 to 2.05.05	directly to 3.00.11.32.bwd and 3.00.11.33.apd on both controllers
2.04.04 to 2.05.03	<ul style="list-style-type: none">• to 2.05.04• then 3.0
2.04.03	<ul style="list-style-type: none">• to 2.04.04• to 2.05.04• to 2.05.04

Note – This software's CD contains firmware versions 2.04.04, 2.05.04, 3.0, and 3.00.11.32.bwd and 3.00.11.33.apd (appware and bootware).

Replacing Controllers

Chapter 7 in the *Sun StorEdge RAID Manager 6.2 Installation and Support Guide for Windows NT* (805-6888-10) includes important information you may need to use when replacing failed controllers. Two procedures are described:

- Problems Bringing the New Controller Online
- Incompatible Firmware Detected

For the "Incompatible Firmware Detected" procedure, the following information supersedes the existing information on page 7-18.

You have replaced a controller and saw a message after the new controller was brought Online telling you that incompatible firmware has been detected and to consult this section. Consult the *Sun StorEdge RAID Manager A3x00 Controller Replacement Guide* (805-7854), shipped with the controller FRU you received. This manual describes the *correct* procedures for bringing FRU controllers to operational code levels.

If the problem still persists, the recommended procedure is to contact your Customer Services Representative.

Overview of Open Issues

TABLE 1 summarizes the open issues. The remainder of this document consists of discussions of each issue and recommended workarounds, where known.

TABLE 1 Open Issues

Issue Number	Description
4120457	Fujitsu 9LP and 18G HH serial numbers and date codes are not accurate when viewed through the Module Profile → Drives selection.
4150501	List/Locate doesn't light StorEdge D1000 tray LED.
4150513	Health Check does not report redundant power supply or fan tray failure in RSM™ Array 2000 controller chassis.
4150514	Recovery Guru Help Window does not document all possible causes of power supply failures.
4155147	Configuration Manager window may not refresh with the proper status when the Recovery Guru changes the configuration.
4163706	Firmware download screen does not highlight a selected independent controller or entire RAID Module group.
4160507	CLOSED (duplicate of 4120457)

Open Issues

4120457: Fujitsu 9LP and 18G HH serial numbers and date codes are not accurate when viewed through the Module Profile → Drives selection.

In the Maintenance and Tuning application, selecting Module Profile → Drives reports 0000XX as the serial number for 9LP units and 5000xx as the serial number for 18G units. This is not correct.

Solution

Verify the disk serial numbers by physically removing the disk unit from the tray.

4150501: List/Locate doesn't light StorEdge D1000 tray LED.

If the List/Locate → All Drives option is selected for any RAID 0, 1, 3, or 5 set, the resulting activity LED sequence is too fast to be detected and displayed by the StorEdge D1000 tray LED circuitry. However, the LED circuitry *is* able to properly detect and display this LED activity if disks are in the Unassigned group or are selected individually.

Solution

- To view the disks being located, open the front drive panel of the StorEdge D1000 tray on the StorEdge A3500 or StorEdge A1000 systems and view the drive LEDs directly.

or

- Select individual disks or disks in the Unassigned group. The LED states for these disks cycle ON and OFF in equal time increments, providing ample time for the StorEdge D1000 tray LED to present a visible sequence.

4150513: Health Check does not report redundant power supply or fan tray failure in RSM™ Array 2000 controller chassis.

This problem should not occur frequently, due to the high reliability of the power supplies; however, in the event that a second power supply also fails, significant downtime can occur.

Solution

Monitor the status LEDs of the RSM Array 2000 controller chassis directly. If an RSM Array 2000 chassis power supply or fan failure does occur, the affected status LED will illuminate.

4150514: Recovery Guru Help Window does not document all possible causes of power supply failures.

If there is a single-line power failure to a dual AC box, Health Check correctly senses the power failure. The Recovery Guru, however, fails to mention numerous possible causes for the failure, including:

- The AC box could be faulty
- The connection could be loose
- More than one supply could have simultaneously failed

The Recovery Guru simply instructs you to replace all failed supplies individually.

Solution

If you experience multiple power-supply failures, be aware that a potential cause of this is the loss of AC power to the affected area. This is particularly true if all supplies on only one side of each StorEdge A3x00 are reported as failed.

4155147: Configuration Manager window may not refresh with the proper status when the Recovery Guru changes the configuration.

If the Configuration Manager window is open when the Recovery Guru makes changes to the configuration (for example, if a controller in a redundant configuration fails, is replaced with a new one, and then is manually activated), the Configuration Manager window is not refreshed.

Solution

Exit and restart the Configuration application to reflect the current configuration.

4163706: Firmware download screen does not highlight a selected independent controller or entire RAID Module group.

When you select an independent controller during the procedure for downloading NVSRAM or firmware files, the firmware download screen does not highlight that controller.

Solution

Ignore the lack of highlighting and proceed with the download procedure. (That is, select the appropriate files and click OK.)

4160507 CLOSED (duplicate of 4120457)

