

Dell™ Systems

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Notes, Notices, and Cautions



NOTE: A NOTE indicates important information that helps you make better use of your computer.



NOTICE: A NOTICE indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.



CAUTION: A CAUTION indicates a potential for property damage, personal injury, or death.

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February 2002 P/N 1P523 Rev. A01

This document provides updated information for your system and addresses the following issues:

- Mouse controller
- IRQ assignments
- IDE hard drive support
- Cooling fan redundancy
- Red Hat Linux 7.2 RAID on motherboard (ROMB) drivers

Mouse Controller

In the **Integrated Devices** screen of the System Setup program, the **Mouse Controller** option is no longer available.

IRQ Assignments

The following IRQ assignments for your system have been updated:

- IRQ5: Available
- IRQ10: Used by embedded server management hardware

IDE Hard Drive Support

Your *User's Guide* and *Installation and Troubleshooting Guide* state that your system supports internal IDE hard drives. This feature is currently not available in your system but will be available at a later date.

Cooling Fan Redundancy

Your system includes five or six cooling fan assemblies, with each assembly incorporating two fan motors and two fan blades. If one of the motors in a fan assembly fails for any reason, the remaining fan motor continues to run, providing redundancy for each fan assembly and adequate cooling to the system components.

The systems management software provided with your system issues a warning when one of the two fan motors in a cooling fan assembly fails. The system is not guaranteed to function correctly if any of the following situations occur:

- One cooling fan assembly fails
- Two or more cooling fan motors fail
- One cooling fan motor in two separate fan assemblies fails

In these situations, the systems management software issues temperature warnings and may shut down the system to prevent it from overheating.

Red Hat Linux 7.2 ROMB Drivers

This section provides information for installing Red Hat Linux version 7.2 drivers on systems equipped with the optional ROMB card.

Your system may include a RAID controller that is embedded in the motherboard for ROMB functionality. When you install the Red Hat Linux 7.2 operating system using the Red Hat Linux 7.2 installation CD, the operating system is unable to recognize the ROMB device, preventing the installation of ROMB as a RAID controller device. This occurs because the device drivers on the Red Hat Linux installation CD do not contain the correct device ID for the ROMB hardware in your system.

Dell recommends using the *Dell OpenManage Server Assistant* CD to install the operating system. This CD contains updated drivers for your system's ROMB hardware. If you do not have the *Server Assistant* CD, perform the following steps to install the operating system and the device ID for your ROMB hardware using the Red Hat Linux 7.2 installation CD.



NOTE: The Red Hat Linux 7.2 installation CD is not included with your system.

- 1 Insert the Red Hat Linux 7.2 installation CD into your CD drive.
- 2 Boot your system from the CD.

- 3 At the command prompt, type:

```
expert noprobe
```



NOTE: You must enter a command within 10 seconds after the command prompt appears. Otherwise, the operating system will automatically continue the installation process and fail to detect the ROMB card in the system.

This command prevents the operating system from automatically discovering your system hardware, allowing you to include the ROMB device ID during the installation procedure.

- 4 Press <Enter>.

The **Device** window appears with the following message:

Do you have a driver disk?

- 5 Using the arrow keys on your keyboard, select **No**, and then press the spacebar.
- 6 In the **Language** window, press <Tab> to select the desired language, and then press the spacebar.
- 7 In the **Keyboard Type** window, press <Tab> to select the desired keyboard type, and then press the spacebar.
- 8 In the **Installation Method** window, ensure that **Local CD ROM** is selected, and then press the spacebar.
Press <Tab> to change the selection if necessary.
- 9 In the **Devices** window, press <Tab> to select **Add Device**, and then press the spacebar.

- 10 In the **Devices** window, perform the following steps:

- a Using the up and down arrow keys, select **Adaptec AACRAID (aacraid)**.
- b Press <Tab> to select **Specify module parameter**, and then press the spacebar.
The **Specify module parameter** checkbox is highlighted.
- c Press <Tab> to select **OK**, and then press the spacebar.
The **Module Parameters** window appears.

- 11** In the **Miscellaneous** field, type:

```
aacraid_pciid=0x1028,0x0A,0x1028,0x011B
```

This text provides the device ID for the ROMB card.

- 12** Press <Tab> to select **OK**, and then press the spacebar.

The driver is loaded onto your system, and the **Devices** window appears.

- 13** Press <Tab> to select **Done**, and then press the spacebar.

- 14** Follow the instructions on your screen to complete the installation.

See your Red Hat Linux 7.2 documentation for more information on completing the installation procedures.