

**Topic:** Updated R1200 BIOS Corrects Mass Storage Lockout Issue  
**Component(s) Affected:** R1200 Blades  
**Date:** September 14, 2005

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## OVERVIEW / ENVIRONMENT

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An updated BIOS for the R1200 Blade corrects an issue with Mass Storage Lockout that was present in previous BIOS versions. This Technical Bulletin supersedes these Technical Bulletins:

- *Technical Bulletin TB0037OJ, R1200 BIOS Update*
- *Technical Bulletin TB0115SH, Updated R1200 BIOS Enhances Features, Usability*

which detailed the 2.01 and 3.0 versions of the BIOS, respectively.

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## DETAILED DESCRIPTION

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The BIOS for the R1200 Blade has been updated to version 3.1. This new version corrects a previous issue described in *TB0112JS, High Digital-Link Loading May Cause Mass Storage Lockout to Fail* for the R1200 Blade. Install this version of the BIOS to resolve this issue on the R1200 Blade.

In addition, this BIOS update adds support for the E0 stepping of the Prescott processor.

**Note:** Installing previous BIOS versions is not recommended. Versions previous to 3.1 are not supported on E0 Prescott processors. Versions previous to 3.0 installed on any Prescott processor Blade will void your warranty and cause the Blade to fail, and will require returning the Blade to ClearCube for repair.

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## RESOLUTION

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To update your BIOS to version 3.01, you need the following:

- USB floppy drive
- Bootable DOS floppy disk
- The update BIOS file `SFT31U16.WPH`
- The `phlash16.exe` flash utility

To update your BIOS, do the following:

1. Download the `SFT3_1.zip` file from the ClearCube Support website. This file contains the BIOS update, the `phlash16.exe` flash utility, this Technical Bulletin, and text file notes on the BIOS update.
2. Plug the USB floppy drive into the USP port on the front of your Blade, and insert the boot floppy disk.
3. Unzip this file and copy the `phlash16.exe` and `FT31U16.WPH` files to a bootable floppy drive.
4. Restart your system on the floppy drive and enter the following command:  
`phlash16 SFT31U16.WPH`
5. After upgrading to the `SFT31U16.WPH` BIOS, shut down and restart the Blade when the upgrade has completed. Disregard the `phlash16` on-screen message `press any key to restart...`

**Note:** The **Wake From Shutdown** via keyboard/mouse functionality needs to be enabled in the **Power** tab of the new BIOS. This function is disabled by default.

For more information, please contact ClearCube technical support.



**CLEARCUBE**

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