



# Software 7.7.1 for 3ware 7000/7006 and 8000/8006 series Release Notes

**READ ME FIRST!**

## ***Introduction***

Thank you for purchasing the 3ware 7000/8000 Series Serial ATA RAID Controller. Please refer to the Errata section before installing your controller or calling technical support. This document describes important recommendations and feature descriptions that were not included in the CD documentation.

## ***Highlights***

- Windows WHQL certified driver for Windows 2003
- Both an unsigned driver for Windows 2000/XP/2003 and a signed certified driver for Windows 2003 are available for download.
- Updated Windows 32-bit driver to provide improved SCSI pass through commands.
- Windows 64-bit driver available on 3ware download page
- Updated firmware to support new flash components.
- If using kernels 2.6.15 to 2.6.22, with Intel EM64T system and 4 GB of system RAM or more, see 3ware KB article 15243 <http://kb.lsi.com/KnowledgebaseArticle15243.aspx>

For additional information, refer to these sources:

- Main 3ware web site  
<http://www.lsi.com/channel/ChannelDownloads/Default.aspx>
- User documentation  
<http://www.lsi.com/channel/ChannelDownloads/Default.aspx>
- Knowledge base  
<http://kb.lsi.com/>
- Software downloads  
<http://www.lsi.com/channel/ChannelDownloads/Default.aspx>
- System and drive compatibility lists  
<http://kb.lsi.com/Download15816.aspx>
- Service and support  
<http://www.lsi.com/channel/ContactUs/>
- U.S. phone numbers  
877-883-9273 (U.S. only) or 408-433-4567
- European phone number  
00 (800) 5745-6442



## ***Software Information***

LSI periodically updates drivers, firmware, 3DM and the CLI utilities to add features and improve product reliability and compatibility.

Please visit our website at <http://www.3ware.com/support/download.asp> to obtain the latest drivers, firmware and 3DM.

To enable Software 7.7.1 features, the following firmware, driver, 3DM and CLI versions are required:

### **Flash Image**

Firmware version: 1.05.00.068

BIOS version: 1.08.00.048

Monitor version: 1.01.00.038

### **OS Drivers**

Windows driver version: 1.15.00.014 (Windows 2003/XP/2000)

Linux driver version: 1.02.00.037 (Red Hat 8.0/9.0, SuSE 8.1/8.2)

FreeBSD driver version: 1.00.00.000 (beta release for FreeBSD 4.8)

### **3DM Disk Management Utility**

3DM for Windows version: 1.13.00.029

3DM for Linux version: 1.13.00.029

### **CLI Command Line Interface**

CLI for Windows version: 2.00.00.032

CLI for Linux version: 2.00.00.032

CLI for FreeBSD version: 2.00.00.032b (beta release)

**3ware does not recommend running both 3DM and CLI at the same time. Alarms will only be captured by 3DM if both are running.**



## Errata

### **Important Issues**

#### ***Use of Riser card with 66MHz Products***

Before using a riser card, please review LSI's customer advisory PDF at the following link: [ftp://tsupport:tsupport@ftp0.lsil.com/private/3ware/downloads/TWCA001\\_1003.pdf](ftp://tsupport:tsupport@ftp0.lsil.com/private/3ware/downloads/TWCA001_1003.pdf) to identify compatibility issues between certain controllers and chipsets.

#### ***CLI reports inaccurate or confusing messages***

CLI does not provide clear and concise information on why a rebuild failed to start. When a rebuild command fails make sure that the controller and drives are available, the proper drive(s) and unit(s) are selected and the array is not already rebuilding.

CLI reports 0% when issuing the *rebuildstatus*, *verifystatus* or *initializestatus* command to a non-redundant array. This is normal operation for CLI.

#### ***CLI reports "No Controller Found"***

CLI may report this error message if an older driver or firmware is loaded or if the driver is not installed. Please make sure you are using the Software 7.7.1 released CLI, driver and firmware.

#### ***CLI "maint add" command changed***

The "maint rescan" or "maint createunit" command has replaced the "main add" command with enhanced functionality. To add a port, use rescan. Rescan can also help bring a JBOD on a port back on-line. In case a spare needs to be created, simply use the createunit command.

#### ***Boot of SuSE Linux 8.1 fails***

Upgrade to SuSE 8.2 and higher or start SuSE 8.1 with the "noapic" option and the boot should proceed normally. This only happens with certain motherboards.

### **Note**

#### ***Parted extends the 2TB partition limit on Linux 2.6***

Current Linux "fdisk" versions have a partition size limit of 2TB. Use the "Parted" tool for partition sizes greater than 2TB.



## **Advanced Tips**

### ***Upgrading 3DM***

When upgrading 3DM from an older version under Windows, all information in the Alarms pages will be lost. Save a copy of the Alarms pages locally, before upgrading.

### ***Importing units under CLI***

Only JBOD arrays can be added/imported/removed on the fly using the CLI. Other array types such as RAID 0, RAID 1, RAID 5 and RAID 10 can only be removed but not added back until you reboot.

### ***Unable to change 3DM options with SuSE 8.1 browser***

This is a SuSE operating system anomaly. LSI recommends upgrading to the SuSE Linux 8.2 operating system and higher. An added advantage of using SUSE 8.2 is that it provides built in support for the console message “modprobe block-major-65” when 3DM is running.

### ***Unable to install 3ware controller as the primary storage under FreeBSD***

Installing FreeBSD 4.8 on certain motherboards using the default 3ware drivers built into the FreeBSD 4.8 distribution may not function properly and prevent the 3ware controller from becoming the primary boot controller in that system. If you have problem installing the 3ware controller as the boot device, please contact 3ware Customer Support.