



# Sun Ultra™ 45 and Ultra 25 Workstations Product Notes

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# Sun Ultra 45 and Ultra 25 Workstations Product Notes

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The *Sun Ultra 45 and Ultra 25 Workstations Product Notes* contain late-breaking information about changes to Sun Ultra™ 45 and Ultra 25 hardware, software, and documentation that became known after the documentation set was published. These product notes include:

- “Hardware Information” on page 1
- “Supported Media types for DVD Dual Drive” on page 2
- “Supported Firmware and Software Versions” on page 3
- “Required Patches” on page 3
- “Known Issues” on page 5
- “Technical Support” on page 7
- “Documentation Errata” on page 8

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**Note** – All current Sun Ultra 45 documentation is available at:  
<http://www.sun.com/documentation>

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## Hardware Information

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**Note** – Before removing or installing any hardware, software, or firmware components, read all of these product notes, and the service documentation for that component.

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**Note** – Before removing or installing any hardware components, read all of the contents of the *Sun Ultra 45 and Ultra 25 Workstations Safety and Compliance Guide*, 819-2785.

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## Supported Media types for DVD Dual Drive

The DVD dual drive is capable of reading and writing to the following media types:

Read from:

- CD 700 MB
- CD-R 700 MB
- CD-RW 700 MB
- DVD 4.7 GB
- DVD-R 4.7 GB
- DVD+R 4.7 GB
- DVD-RW 4.7 GB

Write to:

- CD-R 700 MB
- CD-RW 700 MB
- DVD-R 4.7 GB
- DVD+R 4.7 GB
- DVD-RW 4.7 GB

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# Supported Firmware and Software Versions

The following firmware and software versions are supported in this release of the Sun Ultra 45 and Ultra 25 workstations:

- Solaris™ 10 1/06 Operating System (OS)
- Java™ Enterprise Systems (Java ES) 2005Q1 Software
- Sun™ Management Center 3.6 Version 2 Add-On Software (Ultra 45)
- Sun Management Center 3.6 Version 2 Update 1 Add-on Software (Ultra 25)
- SunVTS 6.1 PS1

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**Note** – Sun Management Center downloads are available from <http://www.sun.com/download/>

Use A-Z Index to find the latest Sun Management Center Add-on software.

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**Note** – Before installing any software onto the Sun Ultra 45 or Ultra 25 hard drive(s), read the documentation for that software.

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## Required Patches

This section describes the patches available for the Sun Ultra 45 and Ultra 25 workstations. Patches are available from <http://www.sun.com/sunsolve>. The following list of mandatory patches are loaded on the hard drive. The mandatory patches must be installed on your workstation should you modify or reinstall the OS. The recommended patches may be installed on your workstation as needed.

### Mandatory Patches

- 118557-03 or greater
- 118822-30 or greater
- 119582-04 or greater
- 119981-09 or greater
- 119578-18 or greater
- 120812-07 or greater
- 120928-07 or greater
- 121693-02 or greater

- 122081-01 or greater

#### Recommend Patches

- 122027-01 or greater
- 121302-01 or greater
- 120887-05 or greater

If you have option cards added to your workstation, refer to the documentation and README files for each card to determine if additional patches need to be installed.

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**Note** – Before contacting Sun for support, ensure that the mandatory patches are installed on your workstation. In addition to installing these patches, Sun recommends that you check the SunSolve web site on a regular basis for the availability of new patches.

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## ▼ To Apply Patches to the Boot Disk

### 1. Determine whether the patches have been installed on your system.

For example, using the `showrev` command, type the following:

```
# showrev -p | grep "Patch: 118822"
```

- If you see patch information listed for the queried patch, and the dash extension (the last two digits) matches or exceeds the required version, your system has the proper patches already installed and no further action is required.

For example, if patch 118822-23 or later is installed, your system has the required version of this patch.

- If you do not see patch information listed for the queried patch, or if the dash extension precedes the required version, go to [Step 2](#).

For example, if no version of the 118822 patch, or a version with an extension of -22 or earlier is installed, you must download and install the new patch.

### 2. Go to <http://www.sun.com/sunsolve> to download the patches.

Using the SunSolve PatchFinder tool, specify the base patch ID number (the first six digits) to access the current release of a patch.

### 3. Follow the installation instructions provided in a specific patch's README file.

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**Note** – Additional information about the latest patches may be found at:  
<http://sunsolve.sun.com>

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# Known Issues

This section describes issues that are known to exist at the time of this release for this release of the Sun Ultra 45 and Ultra 25 workstations.

## General Functionality Issues

TABLE 1-1 lists features that are not available at the time of this release of the Sun Ultra 45 and Ultra 25 workstations.

**TABLE 1-1** General Functionality Issues for the Sun Ultra 45 and Ultra 25 workstations

Feature	Comment
Gnome <code>xmms</code> audio player and warning message.	This is an <code>xmms</code> application error. These warnings can safely be ignored, and will not affect audio functionality.
Keyboard is not supported in the front USB ports.	The keyboard must always be plugged into the USB port at the back of the system.
XVR-2500 graphics acceleration card support	In limited cases when a system with a XVR-2500 graphics acceleration card is transported without being repacked into the original system packaging, the card may fail. Use the original system packaging or equivalent to transport the system.
Optical media write support	Can not write to DVD+RW media, use DVD-RW, DVD-R or DVD+R media.  Install patch ID# 120887-05 or greater.  Ignore subsequent appearance of console message "skipping finalizing".

## Specific Issues and Workarounds

TABLE 1-2 lists known issues at the time of this release for which a change request ID (CR ID, formerly known as a bug ID) has been assigned. The table also lists possible workarounds for these issues.

For more information about these CRs, visit the SunSolve web site.

**TABLE 1-2** Specific Issues and Related CR IDs for the Sun Ultra 45 and Ultra 25 workstations

<b>CR ID</b>	<b>Description</b>	<b>Workaround</b>
6317659	During a resume the system may hang.	To recover from the hang, power cycle the system and type <code>boot</code> to avoid the resume cycle.
6323576	System may intermittently fail if rebooted remotely with the following "issue-port-enable failed" message on the console	1) Type <code>reset-all</code> at the console or 2) Power cycle the system
6350622	System may panic during a reboot and display with the following console message: <code>Fatal System Port Error</code>	Reboot or power cycle the system
6351895	You may see the following console message: <code>WARNING:ppm_init_cb: ppm domain domain_diskfet will be offline</code> during a system boot. Should this happen, some of the I2C devices will be missing from the device tree, including FRUID PROMs. NOTE: There is no functional impact except that hard disks will not be powered off in power saving mode.	Reboot or power cycle the system
6353770	While booting or using the audio features you may see the following warning message <code>WARNING: px0: spurious interrupt from ino 0x5</code>	No workaround at this time.
6360436	In power saving mode, the front panel LED might not blink.	No workaround at this time.
6368667	The front USB 2.0 port sometimes functions at USB 1.1 speeds, even when there are no USB 1.1 devices attached.	No workaround at this time.



**TABLE 1-2** Specific Issues and Related CR IDs for the Sun Ultra 45 and Ultra 25 workstations (Continued)

CR ID	Description	Workaround
6369389	Audio input from the microphone jack is too low in volume.	For recording, use a microphone with a powered amplifier.
6379460	No support for two XVR-100 graphic cards in PCI-X slots.	Only one XVR-100 graphic card is supported in the system (either PCI-X slot) at this time.
6379876	System may not see USB Keyboard on Boot/power up.	Power-cycle the system.

**TABLE 1-3** Specific Issues and Related CR IDs for the Sun Ultra 25 workstation

CR ID	Description	Workaround
6415504	EPA compliance fails due to CPU powering up if using CDE.	Use Java Desktop System instead of CDE.  If you choose to use CDE, add the following line to <code>/etc/power.conf</code> , and then run <code>pmconfig(1M)</code> :  <code>device-thresholds /SUNW,UltraSPARC-IIIi@0,0 \ (2147483647s 15m)</code>
6421603	If you reinstall Solaris 10 1/06 from install media, you must install the entire distribution plus OEM support plus all patches, to set up CPU power management.	If you reinstall S10 1/06, and power management is not working, install package <code>SUNWus.u</code> from the install media at <code>/cdrom/sol_10_106_sparc/s0/Solaris_10/Product</code> , then reboot the system.  Alternatively, install S10 1/06 Entire Distribution plus OEM support from the Solaris 10 Media Kit, plus patches.

## Technical Support

If you have any technical questions or issues that are not addressed in the Sun Ultra 45 and Ultra 25 workstations documentation, contact your local Sun Services representative. For customers in the U.S. or Canada, call 1-800-USA-4SUN (1-800-872-4786). For customers in the rest of the world, find the World Wide Solution Center nearest you by visiting the web site:

<http://www.sun.com/service/contacting/solution.html>

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# Documentation Errata

This section describes changes to the Sun Ultra 45 documentation.

For the latest release version of these and other manuals, check the web site:

<http://www.sun.com/documentation>.

## Sun Ultra 45 Workstation Getting Started Guide (819-1894-11)

Table 1-2 has the following change to the second row, column two, reads:

“Choose Solaris 8 HW 5/03 Operating System release.”

It should read:

“Choose Solaris 10 Operating System release.”

## Sun Ultra 45 Workstation Installation Guide (819-1891-10)

The following information is supplemental:

### Getting Started With Preinstalled Software

#### *NetBeans 4.1*

NetBeans™ IDE 4.1 installation location: `/opt/netbeans-4.1`

To run the IDE, launch: `/opt/netbeans-4.1/bin/netbeans`

To uninstall the IDE, launch: `/opt/netbeans-4.1/_uninst/uninstaller`

#### *Java Studio Creator 2004Q2*

Java™ Studio Creator 2004Q2 includes the following:

- Sun Java Studio Creator development environment
- Sun Java System Application Server Platform Edition
- PointBase Embedded Database

Installation location: `/opt/Creator`

Installation log: `/opt/Creator/install.log`

Application Server Information:

- Admin user name: `admin`
- Admin user password: `adminadmin`
- Admin port: `14848`

More port Information: `/opt/Creator/system/install.properties`

### *Java Studio Enterprise 8*

Sun Java Studio Enterprise 8 will be installed in the following location:

`/opt/sun/jstudio_ent8`

The following features are included:

- Sun Java Studio Enterprise 8
- Sun Java System Application Server 8.1 UR2 Platform Edition
- Collaboration Runtime

Installation Summary:

- Total size: `273.9 MB`
- Product: `/opt/sun/jstudio_ent8`
- IDE: `/opt/sun/jstudio_ent8/ide`
- Application Server: `/opt/sun/jstudio_ent8/AppServ8.1UR2`
- Application Server admin username: `admin`
- Application Server admin password: `adminadmin`
- Collaboration Runtime: `/opt/sun/jstudio_ent8/CollabRuntime`

### *Sun Studio 11*

The installation and licensing log files are located at: `/var/sadm/install/logs`

To view a log file, type at the prompt:

```
% cd /var/sadm/install/logs;more filename
```

The installed product contains Update Notification, a feature that checks a web service at Sun Microsystems and informs you of relevant updates. Please refer to the Release Notes for further information.

If you installed any component of the Sun Studio 11 developer tools on a network server, to send getting started information to the developers who use the network-installed software, you can use the email template:

```
/install-directory/SUNWspr0/READMEs/email_template.txt
```

You should now set your PATH to include:

```
install-directory/SUNWspr0/bin
```

For instance, if <install-directory> is /opt (the default) for Bourne-family shells (sh, bash, ksh): `$ PATH=/opt/SUNWspr0/bin:$PATH`

The export PATH for C-family shells (csh, tcsh):

```
% setenv PATH /opt/SUNWspr0/bin:$PATH
```

Then, to run the IDE, type at the prompt: `% sunstudio`

## Sun Ultra 45 Workstation Service and Diagnostics Manual (819-1892-10)

The following information has changed and been improved in the -11 version of the service manual. For the latest version of this manual go to:

<http://www.sun.com/documentation>

### Changes to Tables

- Table 1-1 – Incorrectly states that two XVR-100 graphics accelerators are supported. Only one XVR-100 is supported.
- Table 3-1 – OpenBoot PROM Memory Checks and Actions
- Table 12-2 – OpenBoot PROM Messages and Their Meaning
- Table B-4 – Declared Noise Emissions: ISO 9296

### Examples

- 9.3.1.1 – `fmddump -v` command
- 9.3.2.1 – `fmadm config` command
- 9.3.3 – Using the `fmstat` command
- 12.3.2 – OpenBoot Diagnostics Menus

Section 3.2.4, “Installing the DIMMS”, the Note was incorrect. The correct Note is shown below:

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**Note** – If your workstation has two CPUs and four DIMMs, the workstation operates most efficiently with two DIMMs per CPU. DIMM connectors are color-coded blue and black. You must install DIMMs in pairs in the same color connectors.

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## Changes to Figures

The following illustrations were corrected in the -11 version of the *Sun Ultra 45 Workstation Service and Diagnostics Manual*:

- Figure 3-1 – Motherboard With Component Connections
  - Motherboard connector J3 should connect to the I/O module and connector J11 should connect to the DVD dual drive
- Figure 3-14 – Reconnecting Cables to the Motherboard
- Figure 5-3 – Removing the Power Supply
- Figure 5-4 – Installing the Power Supply
- Figure 5-5 – Power Supply Cable Connections at Motherboard and Hard Drive Backplane
- Figure C-2 – Sun Ultra 45 System Diagram

## Other Changes

In the functional specifications chapter:

The declared acoustic levels are shown here in [TABLE 1-4](#).

**TABLE 1-4** Declared Acoustic Levels

	Idle	Operating
Sun Ultra 45 and Ultra 25 workstations	5.0 B <sup>1</sup>	5.1 B

1. (1B=10dB)

