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# Sun Ultra 5/10 Software Supplement

The  $Sun^{TM}$   $Ultra^{TM}$  5/10 Software Supplement CD contains:

- Sun<sup>TM</sup> Ultra<sup>TM</sup> 5/10 Hardware AnswerBook<sup>TM</sup>
- Solaris TM 2.5.1 HW: 11/97 and Solaris TM 2.6 5/98 Required Software Update for PGX24 Graphics
- Sun Ultra 5/10 Hardware Service Manual (HTML version for use with Solaris <sup>™</sup> 2.5.1 HW: 11/97)
- and a *README* file.

# Sun Ultra 5/10 Hardware AnswerBook Installation

The Sun Ultra 5/10 Hardware AnswerBook on-line documentation contains hardware service documentation for the Sun Ultra 5 and Ultra 10 workstation systems. After the AnswerBook package is installed, you can view the documentation on the screen and print selected pages or sections.

#### **System Requirements**

You can install the *Sun Ultra 5/10 Hardware AnswerBook* software on any SPARC system running the Solaris operating environment, version 2.6 or later.

If you are running Solaris 2.5.1 on your system and are connected to a server running Solaris 2.6 or later, you can view the AnswerBook on that server.

#### What's On This AnswerBook?

The Sun Ultra 5/10 Hardware AnswerBook contains:

Sun Ultra 5/10 Service Manual

This book provides detailed system service instructions, including topics such as troubleshooting, subassembly removal and replacement, system board and component replacement, and product specifications.

### **Installing This AnswerBook**

- Start the OpenWindows<sup>TM</sup> or the Common Desktop Environment (CDE) windowing environment.
- 2. If there is already a CD in the drive, remove it by typing eject in a Command Tool window.
- 3. Insert the Sun Ultra 5/10 Software Supplement CD (with caddy, if necessary) into your CD-ROM drive.

**Note** – If you are running Volume Manager, it automatically detects the CD and opens a File Manager window that displays the contents of the CD. If you are not running Volume Manager, open a File Manager and go to the /cdrom directory to view the contents of the CD.

4. Double-click the SUNWabda folder in the File Manager window.

This folder displays the contents of the Sun Ultra 5/10 Software Supplement CD directory.

5. In a Command Tool window, become root by typing the su command and your superuser password.

6. Start Software Manager by typing the swmtool command at the # prompt:

# /usr/sbin/swmtool

The Admintool: Software window is displayed.

**Note** — If your system's authorizations are not set correctly for root clients, you might see an error message similar to: Xlib: Client is not authorized to connect to server displayed in the console window. One way to correct this problem is to exit superuser status and type: xhost +hostname (where hostname is the name of the host you are using), then become root again and restart Software Manager. Alternatively, you can use the xauth command to permanently change the authorization information so that root clients can attach to the X server.

7. Choose Add from the Edit Menu.

The Admintool: Set Source Media window is displayed.

8. Select either CD with Volume Management (if you are running Volume Manager) or CD without Volume Management as your Software Location.

9. Type the path to the source media in the CD Path field, then click OK:

/cdrom/sun\_ultra\_5\_10\_series\_hw\_ab/Product/

The Admintool: Add Software window is displayed.

10. Select Sun Ultra 5/10 HW AnswerBook, then click Add.

The Admintool: Add Software window is displayed.

- 11. Type the number of the installation option you want (nil or heavy).
- 12. Type the directory where you want the AnswerBook installed.

/opt is the default home directory for AnswerBook. The installation process takes a few minutes.

13. Type  $\mathbf{y}$  at the following prompt to continue the installation:

Do you want to continue with the installation of <SUNWabda> [y,n]

14. Press Return when you see the following prompt:

Installation of <SUNWabda> was successful.
Press Return to continue.

#### 15. Exit Software Manager (the Admintool: Software window).

**Note** – For further information on installing AnswerBook, or for installing AnswerBook on a server, refer to the *Software and AnswerBook Installation Guide* or *SPARC: Installing Solaris Software on the Desktop*, one of which will be supplied with your Solaris Media Kit.

#### 16. Exit superuser status.

17. At the % prompt, type answerbook.

The AnswerBook Navigator window is displayed.

18. To view your new AnswerBook, double-click Sun Ultra 5/10 Hardware AnswerBook in the AnswerBook Navigator window.

### Reading the Service Manual (HTML files)

You may read the Sun Ultra 5/10 Service Manual (HTML files) on the Sun Ultra 5/10 Software Supplement CD with an HTML-compliant browser. The HTML document is found at

/cdrom/sun\_ultra\_5\_10\_series\_hw\_ab/Docs/HTML/Book.htm or you may copy the HTML files to your system and view them there. If you choose to use a browser on a Sun workstation, the browser must be configured to run MPEG-1 video files. You can do this as follows:

1. Edit your browser's preferences to specify an MPEG Video application.

For example, to use the ShowMe(tm) TV(tm) software provided on this CD in a Netscape Communicator browser, perform these steps:

- a. In the top bar menu of the browser, select Edit --> Preferences.
- b. In the Preferences window, click on the triangle to the left of Navigator and select the subcategory of Applications.
- 2. In the list of Applications, find and edit the MPEG Video application to be the following:

```
\# cd /cdrom/sun_ultra_5_10_series_hw_ab/bin/showmetv -nowrap -exit %s
```

- c. Click OK to apply this change to the Preferences.
- In the document, click on the video clip icon to launch the viewer.
- 4. 9. Before you view another video clip, dismiss the viewer that displayed the previous video clip. If you start another video clip without dismissing the previous viewer windowfs, the later video will not play correctly.

If you let the video clip play through to the end, the viewer will automatically be dismissed.

You may view the HTML document and watch the video clips on a PC with a CD-ROM drive running Windows 95 or later by using Netscape Navigator, version 4.0 or later, or Internet Explorer, version 4.0 or later. Refer to the browser documentation about configuring your browser to view MPEG-1 files.

You may view the HTML document and watch the video clips on a Power Macintosh with a CD-ROM drive by using Netscape Navigator, version 4.0 or later, or Internet Explorer, version 4.0 or later. To enable the browser to display MPEG-1 movies, you must have both QuickDraw 2.5.1 or later, and the MPEG system extension installed.

### **PGX24 Graphics Software Update**

The PCI-based PGX24 graphics display provides both 8-bit and 24-bit color graphics for the Sun Ultra 5 and Ultra 10. Solaris 7 preinstalled software supports this graphics hardware.

**Note** – Systems with PGX24 graphics have "PGX24" printed on the serial number label that is affixed to the system cover.

Software patches are included on this CD to support use of the PGX24 graphics display under Solaris 2.5.1 HW:11/97 or Solaris 2.6 5/98. These patches do not support optional Creator or Elite graphics cards.

# Installing the PGX24 Graphics Software Update on Solaris 2.5.1 HW:11/97

To load the 2.5.1 HW:11/97 PGX24 graphics software update, patch 103792-14, proceed as follows:

- 1. Become super-user on the system.
- 2. Go to the directory that contains the patch by typing

```
# cd /cdrom/sun_ultra_5_10_series_hw_ab/Patches/103792-14
```

3. Install the patch by typing

```
# ./installpatch .
```

- 4. Reboot the system.
- 5. Become super-user on the system.
- 6. Set the PGX24 graphics mode to 24-bit by typing

```
# m64config -depth 24 -res 1152x900x66
```

The resolution can be any value less than or equal to 1152x900.

7. Either log out or exit the windowing system, then restart the windowing system.

When the windowing system starts up, the display will be in 24-bit mode.

**Note** — Software patches may be updated after the release of this product. You may contact Sun Enterprise Services, or go to the Sun Online Support Tools webpage, http://www.sun.com/service/online, to obtain the latest software patch.

## Installing the PGX24 Graphics Software Update on Solaris 2.6 5/98

To load the 2.6 5/98 PGX24 graphics software update, patch 105362-13, proceed as follows:

- 1. Become super-user on the system.
- 2. Go to the directory that contains the patch by typing

```
# cd /cdrom/sun_ultra_5_10_series_hw_ab/Patches/105362-13
```

#### 3. Install the patch by typing

```
# ./installpatch .
```

- 4. Reboot the system.
- 5. Become super-user on the system.
- 6. Set the PGX24 graphics mode to 24-bit by typing

```
# m64config -depth 24 -res 1152x900x66
```

The resolution can be any value less than or equal to 1152x900.

7. Either log out or exit the windowing system, then restart the windowing system.

When the windowing system starts up, the display will be in 24-bit mode.

**Note** — Software patches may be updated after the release of this product. You may contact Sun Enterprise Services, or go to the Sun Online Support Tools webpage, http://www.sun.com/service/online/, to obtain the latest software patch.