



SPARCLE

Release Notes

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```

pcic0:slot0          unknown          unknown          connected
unconfigured
#   cfgadm          -c          unknown          configure          pcic0:slot0
#   cfgadm          -l
Ap_Id               Condition          Type              Receptacle
Occupant
c3                  unknown          scsi-bus          connected
configured
pcic0:slot0        hp/scsi          connected
configured          unknown
#

```

To unconfigure before ejecting the card:

```
# cfgadm -c unconfigure pcic0:slot0
```

External USB Keyboard/Mouse

It is not possible to dynamically plug/unplug external USB keyboards or mice. To use one of these external devices you must reboot the system with the device attached.

External PS/2 Keyboard/Mouse

You may dynamically plug in/out an external PS/2 device at anytime. The type of device (keyboard or pointer) is automatically detected during insertion. If the device is not usable after it has been plugged in, unplug and try again.

External Monitor under OBP

It's not possible to run an external monitor in any resolution other than that of the internal LCD panel.

External Monitors and CDE

If you select a display setting from the CDE backdrop display menu you must log out of CDE in order for it to take effect. If you select a monitor output that is anything other than the resolution of the internal screen the LCD panel will automatically be disabled when the machine switches to the external monitor resolution.

If you find yourself in a position with the SPARCLE switched to drive an external monitor but do not possess one, you can switch the system back to using the internal monitor for CDE by booting to single user mode and executing the following command line:

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Patches

The Solaris 8 kernel patch from 108525-20 onwards can render the system keyboard unusable which in turn will prevent the graphical windows (X-server) from starting. This is because this patch replaces the `/etc/dacf.conf` file that contains additional lines specific to SPARCLE. In order to ensure this doesn't happen add the following entries back into `/etc/dacf.conf` after installing the kernel patch but before rebooting:

```
driver-minorname="kb8042:keyboard"      -
consconfig_dacf:kb_config      post-attach
pushmod="kb"
driver-minorname="mouse8042:mouse"     -
consconfig_dacf:ms_config      post-attach
pushmod="vuid3ps2"
```

It can be easiest to copy the original file before installing the patch and retrieve these lines from the saved file afterwards.

The Solaris m64 patch can also cause problems because it overwrites 2 files that have been modified by Tadpole to support the notebook LCD pixel resolution. These are the m64config utility and the m64 X-server ddx module.

<i>Solaris</i>	<i>Sun m64 patch</i>	<i>Tadpole m64 patch</i>
8	108606	T050015-04
9	112622	T060000-03

To avoid problem do not install the relevant Sun patch or re-install the relevant Tadpole patch afterwards.

Cardbus

Configuration for cardbus devices is not automatic. Once a device has been inserted it must be configured using the standard Solaris `cfgadm(1m)` utility. It should also be unconfigured before being ejected. To configure a card inserted in the slot:

```
#   cfgadm    -l
Ap_Id      Condition      Type      Receptacle
Occupant
```

SPARCLE Release Notes

1. INTRODUCTION

This document serves as the release notes for the SPARCLE portable workstation system. It should be read in conjunction with the SPARCLE User Guide and contains information that does not appear in that document or information that is likely to change on a frequent basis. These Release Notes contain some information that is specific to **Tadpole Solaris Support Software (Installation) CD Ver. 1.10**.

2. GETTING STARTED

Once you've completed the following steps, you'll be ready to start working with your SPARCLE.

1. Check the ambient air temperature to make sure it is between 4° to 40° C (40° to 104° F).

Caution: If your workstation has been exposed to temperature extremes (variations of more than 10 degrees of temperature or 10 percentage points of humidity), you will need to stabilize the workstation's temperature. Let your SPARCLE adjust to room temperature before proceeding. The operating temperature range is 4° to 40° C.

2. Open the SPARCLE

To open the SPARCLE display screen slide the release on the front of the machine to the right.

3. Install the correct SPARCLE Lithium-Ion battery.

Insert the battery pack into the bay. Push in until you hear it lock into place. The battery bay is located on the underside of the unit to the left. On the opposite side to the the PCMCIA.

WARNING: Use only SPARCLE batteries. Never insert a battery made for any other computer or other appliance, even if its appearance is similar.

4. For AC power operation, plug in the AC power adapter.

The battery need not be installed for AC operation. For more detailed instructions on plugging in the AC adapter, see “Using an AC adapter” in the Tadpole SPARCLE User Guide.

5. The SPARCLE back panel.

Although the SPARCLE is completely self-contained, the back panel provides access for connecting the workstation to a wide variety of external devices. Connect the external device to the appropriate connector. See Chapter 3, “Using SPARCLE,” in the Tadpole SPARCLE User Guide for more information about connections.

Turn on all external devices, then turn on your SPARCLE.

7. Press the power switch.

8. View the initial system screens.

After the self-tests have successfully completed, an initial message appears. Then system messages scroll as the operating system loads.

The initial system boot with the factory load of Solaris requires you to select either the Common Desktop Environment (CDE) or the Gnome Desktop or OpenWindows Desktop. This selection may vary with the Solaris release. This document and the factory load are based on the CDE desktop.

9. Log on to the system as root. The system is shipped without the root password having been configured. If a password is requested, hit Enter.

Refer to “Using SPARCLE,” in the Tadpole SPARCLE User Guide for more detailed information about the Getting Started tasks.

1. KNOWN ISSUES

Tadpole is actively pursuing a resolution for the following Known Issues. The system you receive may not be subject to all of the issues noted here. For support and updates please visit the Tadpole WEB site at:

<http://www.tadpolecomputer.com>.

System Re-Installation

You may encounter the following error messages during install using the Tadpole installation CD:

```
find:      cannot      follow      symbolic      link      TAD,SPARCLE/  
include:   no      such      file      or      directory  
find:      cannot      follow      symbolic      link      TAD,SPARCLE/lib/  
libprtdiag_psr.so.1:  no      such      file      or      directory.
```

These messages do not represent a problem and can safely be ignored.

StarOffice Installation

StarOffice has been preinstalled on the system as a network installation. Each user (including root) must initialise staroffice before using it. When you try to launch staroffice for the first time you will be asked to install. The installer will ask for the type of installation, either *Workstation Install* or *Local Install*. As all the staroffice files are already on the system it's best to choose *Workstation Install*, this method only requires a short time to create individual configuration files in your home directory. Choosing *Local Install* will make a copy of the entire staroffice software in the users home directory and trying to do this as root will cause the system to run out of space on the root file system.

The adabas database S/W is not preinstalled. Please refer to the Sun web site to obtain this.

Infra-red port and Button.

The infra-red port to the right on the front of the machine is not supported. Similarly the clear plastic button to the right of it does not have any function

```
# rm /etc/openwin/server/etc/OWconfig
# rm -f /etc/dt/config/setLCD
```

The machine should then bring up CDE on the internal screen.

WARNING: It is possible to turn off the driver to both the internal screen and external monitor using the CDE display menu. If this occurs you will most likely need to use the power switch to shutdown the machine and power back up. Tadpole has integrated a utility into the factory load which allows the system to shut down cleanly by pressing the power button.

Memory Stick and SD Card Support

The software for the Sony Memory Stick port and the Secure Digital card port is still under development and will be released shortly through Tadpole Support.

Wireless Networking

The 802.11b wireless configuration tool can be started from the CDE notebook panel or from the command line:

```
# /usr/sbin/wifitool
```

The equivalent command utility is `/usr/sbin/wificonfig`. The User Guide may incorrectly refer to this as `/usr/bin/ipwconfig`.

It is not possible to boot the system from OpenBoot using the wireless networking.

Mouse Scroll Buttons

The central button below the mouse pad does not function as vertical or horizontal scroll. All the directional buttons behave as the normal center button of a 3 button mouse.

Serial Port

The RJ11 port on the right hand side of the machine has a modem symbol next to it. This is incorrect it is in fact the console serial port.

E Buttons

As yet the the four buttons marked E1 – E4 do not perform any function.