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## Description

The Creator Frame Buffer is a 24-bit color, 3-D graphics accelerator for Sun desktop and deskside workstations and Sun Ultra Enterprise systems.

## Before Installation

Refer to the *Solaris Handbook for SMCC Peripherals* that corresponds to your operating system. The handbook describes how to safely shut down the system before installing any internal cards.

## Installing the Creator Frame Buffer

Refer to the documentation that came with your system or enclosure. Locate the section that describes how to install UPA cards and follow the UPA card installation instructions to install the Creator Frame Buffer card. Before installing the Creator Frame Buffer in an Ultra Enterprise System, read the instructions below.

## Installing the Creator Frame Buffer in an Ultra Enterprise System

Before installing the Creator Frame Buffer in an Ultra Enterprise system, determine the OpenBoot PROM (OBP) version:

**1. Type the following:**

```
% /usr/platform/sun4u/sbin/prtdiag -v
```

**2. If the version is OBP 3.2.9 or greater, install the Creator board.**

See the installation instructions in the hardware documentation that came with your system.

**3. If the version is OBP 3.2.8 or lower, halt the system and type the following:**

```
# init 0
OK reset
OK nvedit
0: h# 40000 to /fcode-prom
```

Press CONTROL-C to exit nvedit.

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**4. Now type the following:**

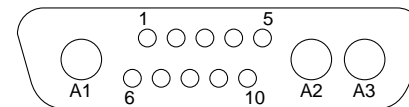
```
OK nvstore
OK setenv use-nvramrc? true
```

**5. Turn off the power to the system and install the Creator board.**

See the installation instructions in the hardware documentation that came with your system. The Creator Frame Buffer installs in the UPA connector of the Graphics I/O board.

## Connecting the Monitor to the Frame Buffer

Connect the monitor cable to the 13W3 connector (see figure below) on the Creator Frame Buffer.



13W3 video connector

## Changing the Screen Resolution

For most installations, the Creator Frame Buffer card automatically configures itself to the proper screen resolution and refresh rate for your monitor. However, if a non-Sun monitor is connected to the Creator Frame Buffer, the monitor may come up in the wrong screen resolution.

To change the screen resolution, read the `ffbconfig` man page. You may also read the *Platform Notes: SMCC Frame Buffers* document, which is available in AnswerBook. The platform notes also describe how to configure your system for use with more than one monitor.

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## Ordering Sun Documents

SunDocs<sup>SM</sup> is a distribution program for technical documentation and is available from SunExpress<sup>TM</sup>. You can find a full listing of available documentation on the World Wide Web:

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

To order or for more information:

Telephone: 1-800-873-7869 (North America only)

Fax: 1-800-944-0661 (North America only)

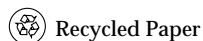
## Reader Comments

Your comments and suggestions are important to us. Please let us know what you think about the *Creator Installation Guide*, part number 802-7731-11.

You can send detailed comments via email to [smcc-docs@sun.com](mailto:smcc-docs@sun.com), or send a fax to *SMCC Doc Feedback* at (415) 786-6443.

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## *Creator Installation Guide*

