

# Sun Cobalt™ Control Station

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*Using the LCD Console*



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**Part Number / Numéro de pièce : 816-3089-11 Rev A**

# Using the LCD Console

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During startup, the liquid-crystal-display (LCD) screen on the front panel of the Sun Cobalt™ Control Station displays status information about the boot process.

When setting up the Sun Cobalt Control Station, you use the LCD console to enter network configuration information for the control station.

Once the Sun Cobalt Control Station is running, the LCD console serves several purposes. Through the LCD console, you can:

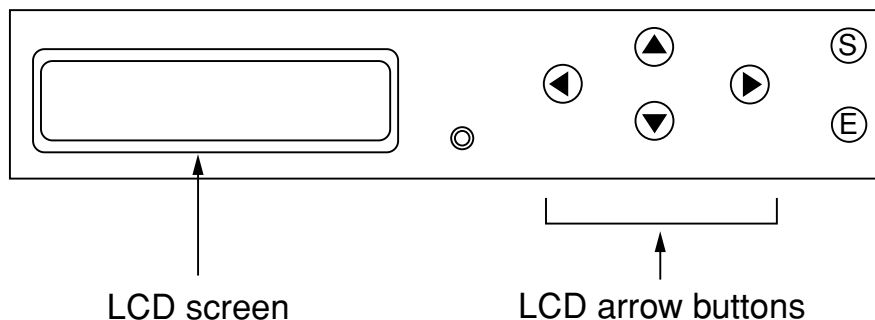
- change the network configuration information, which is useful if the location of the control station is changed
- configure the uninterruptible power supply (UPS)
- reboot, which restarts the entire Sun Cobalt Control Station
- power down in a way that allows the control station to close all open files, and minimizes startup time the next time the Sun Cobalt Control Station is powered on
- exit from the LCD commands without making any changes



**Important:** Before turning off the Sun Cobalt Control Station, follow the proper power-down procedure, as described in “Powering down” on page 1-6.

Figure 1 shows the LCD console.

**Figure 1.** LCD console



The arrow buttons function as follows:

- ◀ The **Left** arrow button moves the cursor to the left.
- ▶ The **Right** arrow button moves the cursor to the right.
- ▲ The **Up** arrow button increases the digit located at the cursor position.
- ▼ The **Down** arrow button decreases the digit located at the cursor position.
- Ⓢ The **S** button (“select”) displays the next option.
- Ⓔ The **E** button (“enter”) accepts the information entered or the option displayed.

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## Access to the functions

You access each of these functions by holding down the Ⓢ (select) button on the LCD console for approximately two seconds. This action causes the LCD screen to enter its function mode. Press the Ⓢ button until the function you want appears on the LCD screen. To cancel the LCD function mode, select the **EXIT** function when it appears on the screen. Press the Ⓔ (enter) button and select **YES**.

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## Changing network configuration

To reset the IP address or change the network configuration of the Network 1 interface:

1. On the LCD console, hold down the **(S)** button for approximately 2 seconds.

The LCD screen displays:

```
SELECT:
SETUP NETWORK
```

2. Press the **(E)** button.
3. Enter the IP address using the arrow buttons. The left and right arrow buttons move the cursor position to the left or right. The up and down arrow buttons increase or decrease the digit at the cursor position.
4. Press the **(E)** button.
5. Enter the Netmask using the arrow buttons.
6. Press the **(E)** button.
7. Enter the Gateway using the arrow buttons.
8. Press the **(E)** button.
9. Use the arrow buttons to toggle the cursor between [S]ave and [C]ancel.
10. Press the **(E)** button.

If you select the Save option, the Sun Cobalt Control Station saves the new network configuration and updates the display on the LCD screen. If you select Cancel, you return to Step 1 of this procedure.



**Note:** You can also change the network configuration of the Sun Cobalt Control Station through the Server Desktop UI. See “TCP/IP” in the PDF *Administrator Manual*.

If you change the network IP address of the control station through the Server Desktop UI, the control station saves the new network configuration and updates the display on the LCD screen when you click **Save Changes**.

## Configuring an uninterruptible power supply (UPS)

There are two options for configuring the Sun Cobalt Control Station for a UPS: as the *master* or as a *slave*.

The *master* communicates directly to the UPS through the serial port. The *slave* (or *slaves*) communicates with a master (not a Sun Cobalt Control Station) over the network to verify the status of the power supply.



**Note:** The Sun Cobalt Control Station server cannot act as a *master* for other machines. Allowing *slave* access by arbitrary machines would pose a security risk.

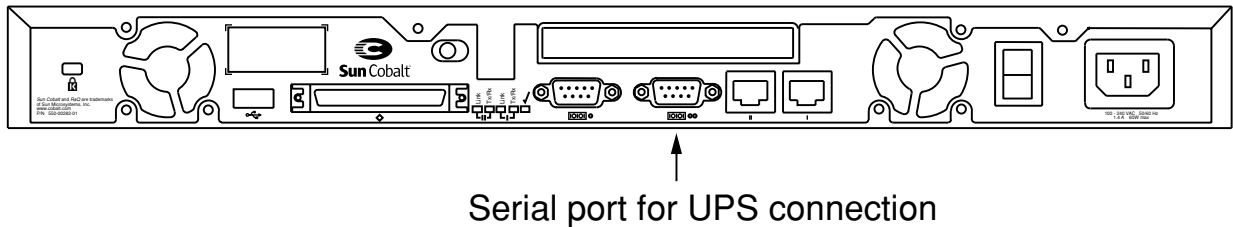
The distinction between *master* and *slave* is whether the Sun Cobalt Control Station is connected directly to the UPS (a *master*) or pointed to another machine that is connected to the UPS (a *slave*).

If you configure the Sun Cobalt Control Station as a *slave*, you must have, on the network, a machine acting as a UPS master that is configured to allow *slave* access for the IP address of your Sun Cobalt Control Station.

If you configure a Sun Cobalt Control Station as a *master*, the Sun Cobalt Control Station configures itself automatically. Before choosing this option, you must first connect the UPS to the Sun Cobalt Control Station through the serial port; see Figure 2 for the correct serial port.

If you configure a Sun Cobalt Control Station as a *slave*, the LCD screen prompts you for the IP address of the device that is configured as the master.

**Figure 2.** Serial port for UPS connection



To configure the Sun Cobalt Control Station for the UPS, first connect the UPS unit and the Sun Cobalt Control Station, and then configure the Sun Cobalt Control Station through the LCD panel. (Refer to the UPS manual for more information on connecting the devices.)

1. Plug the UPS into the wall socket.
2. Turn on the UPS.
3. Plug the Sun Cobalt Control Station servers into the UPS power sockets.
4. Connect the UPS serial cable to the UPS unit and the serial port on the Sun Cobalt Control Station that will serve as the master. See Figure 2.



**Important:** You must use the serial cable shipped with the UPS unit.

5. On the LCD console, hold down the **(S)** button for approximately 2 seconds.

The LCD screen displays:

```
SELECT:  
SETUP NETWORK
```

6. Press the **(S)** button until **Configure UPS** appears in the LCD screen:

```
SELECT:  
CONFIGURE UPS
```

7. Press the **(E)** button.
8. Use the arrow buttons to toggle the cursor between [ ] On and [ ] Off.  
Select [ ] On.
9. Press the **(E)** button.
10. Use the arrow buttons to toggle the cursor between [M]aster and [S]lave.
11. Press the **(E)** button. If you choose [M]aster, the Sun Cobalt Control Station configures itself automatically for the UPS.
12. If you choose [S]lave, the LCD screen prompts you for the IP address of the device configured as the master.  
Enter the IP address using the arrow buttons. The left and right arrow buttons move the cursor position to the left or right. The up and down arrow buttons increase or decrease the digit at the cursor position.
13. Press the **(E)** button.  
The LCD screen returns to the host name and IP address. The LCD screen does NOT prompt you to save the changes.

## Verifying the UPS configuration

To verify that you have configured the UPS correctly:

1. Unplug the UPS unit from the wall socket to simulate a power outage to the UPS.
2. The UPS takes over the power supply to the Sun Cobalt Control Station. Each of the Sun Cobalt™ server appliances monitoring the UPS displays on the LCD screen:

```
UPS:  
ON BATTERY
```

3. Plug the UPS into the wall socket again. Each of the Sun Cobalt server appliances monitoring the UPS displays on the LCD screen:

```
UPS:  
POWER RESTORED
```

After a few seconds, the LCD screen returns to the normal LCD display of host name and IP address.

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## Rebooting

To reboot the Sun Cobalt Control Station through the LCD console:

1. On the LCD console, hold down the **(S)** button for approximately 2 seconds.

The LCD screen displays:

```
SELECT:  
SETUP NETWORK
```

2. Press the **(S)** button until **Reboot** appears in the LCD screen:

```
SELECT:  
REBOOT
```

3. Press the **(E)** button.
4. Use the arrow buttons to toggle the cursor between [Y] and [N]. Select [Y] to reboot the system.
5. Press the **(E)** button.



**Note:** You can also reboot the Sun Cobalt Control Station through the Server Desktop UI. See “Power” in the *PDF Administrator Manual*.

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## Powering down



**Caution:** To prevent the potential loss of data, it is important to follow the proper power-down procedure before turning off the Sun Cobalt Control Station.

To power down the Sun Cobalt Control Station:

1. On the LCD console, hold down the **(S)** button for approximately 2 seconds.

The LCD screen displays:

```
SELECT:  
SETUP NETWORK
```

2. Press the **(S)** button until **Power down** appears in the LCD screen:

```
SELECT:  
POWER DOWN
```

3. Press the **(E)** button.
4. Use the arrow buttons to toggle the cursor between [Y] and [N]. Select [Y] to power down the system.

The **OK to Power Off** light on the back panel blinks. The LCD screen displays:

```
PLEASE SWITCH  
POWER OFF NOW
```

5. Toggle the **On/Off** switch on the back panel to the **Off** position.