Driver for the Device Driver for the SVR4 UNIX® (UnixWare™ 2.0)Operating System Software Installation Documentation

Hostess® and Hostess *550/554* (4/8-Port)

Hostess® *550* 4/8/16-Port

Scope

Use this document to install the Hostess® device driver. This device driver can support up to four of the following Comtrol Hostess controller boards:

- Hostess or Hostess *550* 4-port with 100-pin or Hostess *554* 4-port with RJ45 connectors
- Hostess or Hostess *550* 8-port with 100-pin or RJ11 connectors
- Hostess *550* 16-port

To use this device driver, you must have a UNIX System V Revision 4 operating system installed on an ISA- or EISA-bus machine. The installation follows these general steps:

1. Remove existing Comtrol drivers. (*Recommended*.)
2. Install the device driver.
3. Configure and install the controller board using the hardware installation documenatation.
4. Configure and attach the interface box (if applicable).
5. Enable the ports on the controller.

Note: *For more information, see the hardware installation documentation for your controller and interface box.*

Removing the Device Driver

Follow these steps to remove an existing device driver:

1. Log in as the system administrator to **root** and invoke the **pkgrm** utility. For example:

   pkgrm hts0

2. Remove the port monitor services.
3. You may also want to shut down the system at this time. If you have other device drivers to remove, you may want to delay rebooting until you are finished removing the other device drivers. Changes take place on the next kernel reboot.

Installing the Device Driver

To install or reinstall this device driver use the following procedure. For more detailed information regarding the following procedure, see your operating system documentation.

1. Boot the system, login as the system administrator (**root**), and invoke the **pkgadd** utility. For example:

   pkgadd -d diskette1.

   The primary drive is diskette1 and the secondary drive is diskette2.

2. Insert the device driver diskette in the primary drive.
3. Press **Enter** to continue when prompted to type [**go**] when you are ready or [**q**] to quit.
4. Press **Enter** to select the ALL option.
5. Press **Y** or **N** and **Enter** to respond to whether you are using a monochrome VGA monitor. (The default is **N**.)
6. Enter the number of controller boards you plan to install.
7. Select the controller type. For the Hostess *554*, select an equivalent Hostess *550* controller.
8. Select the interrupt (IRQ) number.

9. Select the base I/O address.
10. Press the **Tab** key to "**OK TO INSTALL**" and press **Enter**.
11. Press **Enter** to leave the display screen.

    ***Note**: A copy of the switch settings is stored in the* **/comtrol/hts0/iinstall.log** *file.*
12. Press **Enter** to install the device driver.

    A message confirming the installation was successful should appear shortly.
13. Remove the Comtrol device driver diskette.
14. Shutdown the system and turn the computer off.

After the device driver is installed, install the controller using the hardware installation documentation.

Booting the System and Enabling Ports

After booting the system, a message should display indicating that the Hostess/Hostess *550* STREAM device driver is available.

Use the default device names in the following table when adding a service to the port monitor:

Device Names

Controller	Non-Modem	Modem
First	h00-h15	H00-H15
Second	h16-h31	H16-H31
Third	h32-h47	H32-H47
Fourth	h48-h64	H48-H64

The non-modem names allow communications with a serial device over a simple 3-wire connection consisting of the transmit and receive data lines and signal ground.

The modem names require modem control to function properly. Specifically, the carrier detect signal must be present before the serial port will become active.

Use the following procedure to enable the ports from the **/comtrol/hts0** directory:

1. If necessary, add the port monitor. For example:

   ./addttymon *hostess*

2. Add tty service to all desired ports. For example:

   ./addttysrv *hostess h00 9600*

3. If necessary, add modem service. For example:

   ./addmdmsrv *hostess h01 19200NP*

With the device driver installed and the communication ports enabled, the control is now ready for use.

Enabling Hardware Flow Control

To enable hardware flow control for a particular port, enter the following command from the **/comtrol/hst0** directory:

./rtscts on /dev/term/*h00*

To disable hardware flow control for a particular port, enter the following command from the **/comtrol/hst0** directory:

./rtscts off /dev/term/*h00*

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