C H A P T E R 5

Confirming the Installation

This chapter will help you confirm that you have correctly installed the hardware and software for your Cisco ATM SBus adapter. Please make sure that you have followed all the steps in the "Installing the Cisco ATM SBus Adapter Hardware" and "Installing the Cisco ATM SBus Adapter Software" chapters.

System Startup Messages

This section assumes that you have rebooted your system. Refer to your system manual for the correct way to reboot your system.

During the initialization process, you will see messages indicating that the hardware is installed properly. The following display appears when a system using the Cisco ATM SBus adapter with fiber interface is started:

```
Cisco, CATMSB--MMF  __  ATM Interface Card (PROM Version 1.0 )
Copyright (c) Cisco Systems Inc., 1995

Cisco : Version 1.1(1)
ATM: Driver For OC3-MultiModeFiber Successfully Initialized
***** Starting ATM Signalling,  Version 1.1(1) *****
***** Starting ATM VLAN Configuration,  Version 1.1(1) *****
***** Starting ATM ILMI,  Version 1.1(1) *****
```

The following display appears when a system using the Cisco ATM SBus adapter with copper interface is started:

```
Cisco, CATMSB--UTP __  ATM Interface Card (PROM Version 1.0 )
Copyright (c) Cisco Systems Inc., 1995

Cisco : Version 1.1(1)
ATM: Driver For OC3-UTP5 Successfully Initialized
```

```
***** Starting ATM Signalling,  Version 1.1(1) *****
***** Starting ATM VLAN Configuration,  Version 1.1(1) *****
***** Starting ATM ILMI,  Version 1.1(1) *****
```

Once the system is initialized, the login prompt will appear. Log in to your system as usual.

Checking the Adapter LEDs

To verify proper operation of the Cisco ATM SBus adapter, apply power to the workstation and check the adapter LEDs.

LINK OK

The green LED shows the physical-layer optical signal. If the green LED is off, a physical-layer error, such as loss of signal or frame misalignment, has been detected.

If the green LED is on, the adapter is receiving a valid physical-layer optical signal.

FRAME ERR

The yellow LED shows the adapter's frame status. If the yellow LED is off, the adapter has passed its internal diagnostics. This LED must be off for the adapter to function properly.

If the yellow LED is on, the SBus adapter has failed a critical diagnostic self-test. Call the Cisco Technical Assistance Center.

Confirming the ATM SBus Operation

You can verify that the adapter recognizes the IP address, netmask, and the broadcast addresses that you set up. The following sections describe how to confirm the operation of the adapter.

Step 1   Log in to the system as root.

Step 2   Enter the password for the root login at the prompt.

Confirming IP, Netmask, and Broadcast Addresses

You use the **ifconfig** command to display the current Cisco ATM SBus adapter configuration. When you use the **ifconfig** command, a message similar to the following appears:

```
console# ifconfig -a
lo0: flags=849<UP,LOOPBACK,RUNNING,MULTICAST> mtu 8232
        inet 127.0.0.1 netmask ff000000
le0: flags=863<UP,BROADCAST,NOTRAILERS,RUNNING,MULTICAST> mtu 1500
        inet 172.20.32.119 netmask ffff0000 broadcast 172.20.255.255
        ether 8:0:20:23:e:c4
catm0: flags=843<UP,BROADCAST,RUNNING,MULTICAST> mtu 9180
        inet 192.200.0.1 netmask ffffff00 broadcast 192.200.0.255
        ether 0:0:c0:c8:0:1
catm1: flags=843<UP,BROADCAST,RUNNING,MULTICAST> mtu 9180
        inet 192.200.1.1 netmask ffffff00 broadcast 192.200.1.255
        ether 0:0:c0:c8:1:1
catm2: flags=843<UP,BROADCAST,RUNNING,MULTICAST> mtu 9180
        inet 192.200.2.1 netmask ffffff00 broadcast 192.200.2.255
        ether 0:0:c0:c8:2:1
catm3: flags=843<UP,BROADCAST,RUNNING,MULTICAST> mtu 9180
        inet 192.200.3.1 netmask ffffff00 broadcast 192.200.3.255
        ether 0:0:c0:c8:3:1
```

The IP address is the address you assigned in the /etc/hosts file when you configured the adapter.

Note The IP address and the netmask address are usually assigned by the network administrator for your system.

Confirming Connections to Network Devices

You can use the **ping** command to determine if your adapter is connected to the network or to other devices on the network. Typically, you ping the following devices:

- The local Cisco ATM SBus adapter for this host, to confirm that the adapter driver is properly installed

- Another workstation on the network, to confirm that the adapter is properly connected to the network

Enter the **ping** command, as follows:

```
console# ping console-atm
console-atm is alive
```