Fast Install Guide

This chapter is an abbreviated procedure for installing Catalyst 2820 Series or Catalyst 1900 Series switches. Use this chapter if you are familiar with installing and managing 10BaseT hubs and you are aware of the configuration and planning requirements of a 100BaseTX network.

Caution If you do not have 10BaseT hub experience, are not familiar with 100BaseTX, or want to change the default settings, use the installation procedure described in the "Installation" chapter.

Packing List

Check the package. It should contain the following items:

- The Catalyst 2820 or Catalyst 1900 unit
- This *Catalyst 2820 Series and Catalyst 1900 Series Installation and Configuration Guide*
- The *Catalyst 2820 Series and Catalyst 1900 Series Installation Notes*
- *Release Notes for the Catalyst 2820 Series and Catalyst 1900 Series Firmware*
- The Cisco Documentation CD-ROM package
- One DOS-version disk containing the switch MIBs in ASCII text format and Flash image
- One UNIX-version disk in TAR format containing the switch MIBs in ASCII text format and Flash image

- AC power cord
- Null-modem cable
- Warranty package
- Rack-mount kit with cable guide
- Four rubber feet with table-mount instructions

Note If any of these items are missing, notify Cisco Systems immediately.

Changing the Default Settings

Your switch ships with the default parameters listed in Table 5-1 in the chapter "Out-of-Band Management." You can change these parameters with the management console or with any SNMP-compatible management station. See the "Standard MIBs and MIB Extensions" section in the "In-Band Management" chapter for a list of the supported MIB objects and their functions.

Fast Install Procedure

To install your switch:

Step 1 Unpack the switch.

Step 2 Mount the switch on a table, shelf, or rack.

Step 3 Attach the power cable.

Step 4 Wait for the power-on self-test (POST) to run.

When the switch is first turned on and begins its POST, the system and port LEDs are green. As each of the 13 tests is run, the port LEDs, starting with number 16, turn off. Because there are only 13 tests, LEDs 15, 14, and 13 are unaffected.

If you are installing a 12-port Catalyst 1900, the LED for port A, the 100BaseT port, turns off first, followed by ports 12, 11, 10, and so on.

After the POST completes successfully, the port LEDs blink green and go off, indicating that the switch is operational. If a test fails, the port LEDs turn green, the port LED associated with the test stays off, and the system LED turns amber.

All POST failures except the real-time clock test (number 5) are fatal. If the real-time clock fails POST, the switch begins forwarding packets, but the system LED turns amber, and a POST-failure message appears on the console screen. Certain switch features, such as the bandwidth utilization meter, are lost if the real-time-clock test fails.

Note When the POST completes successfully, Spanning-Tree Protocol (if enabled) immediately turns the port LEDs amber while it discovers the network's topology. Spanning-tree discovery takes approximately 30 seconds to complete, and no packet forwarding takes place during this time.

Step 5 Cable the workstations, servers, and other devices to the switch.

Step 6 Connect the switch to the network as required.

The switch becomes operational after configuring its spanning-tree topology.