C H A P T E R 1

Cisco 831 Router and Cisco SOHO 91 Router Cabling and Setup Quick Start Guide

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Cisco One-Year Limited Hardware Warranty Terms

There are special terms applicable to your hardware warranty and various services that you can use during the warranty period. Your formal Warranty Statement, including the warranties and license agreements applicable to Cisco software, is available on Cisco.com.

Launch your browser, and go to this URL:

http://www.cisco.com/go/warranty

You can also contact the Cisco service and support website for assistance:
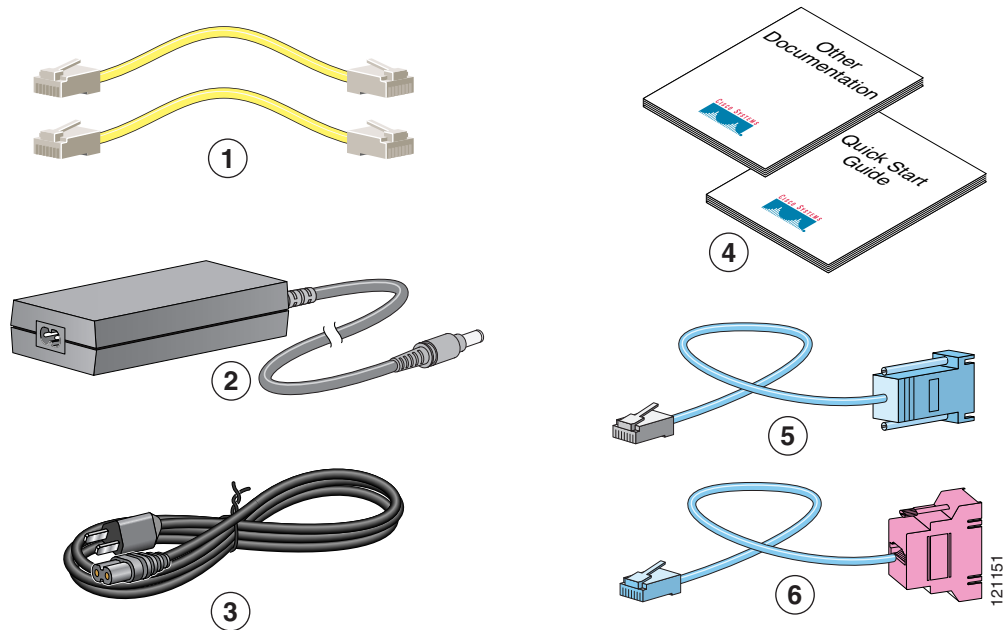
http://www.cisco.com/public/Support_root.shtml.

Check Items Shipped with the Router

Do the following to verify that all required items were shipped with the router.

Step 1   Figure 1-1 shows the items included with the router. If any of the items is missing or damaged, contact your customer service representative.

*Figure 1-1   Items Included with the Router*

1	Two yellow Ethernet cables	**4**	Product documentation
2	Desktop power adapter	**5**	Light blue console cable (RJ-45-to-DB-9)
3	Black power cord	**6**	Light blue async modem cable for dial backup and remote management (RJ-45-to-DB-25). (ordered separately)

Step 2   Locate the product serial number.

The serial number label for Cisco 831 router is located on the rear of the chassis, at the left edge.
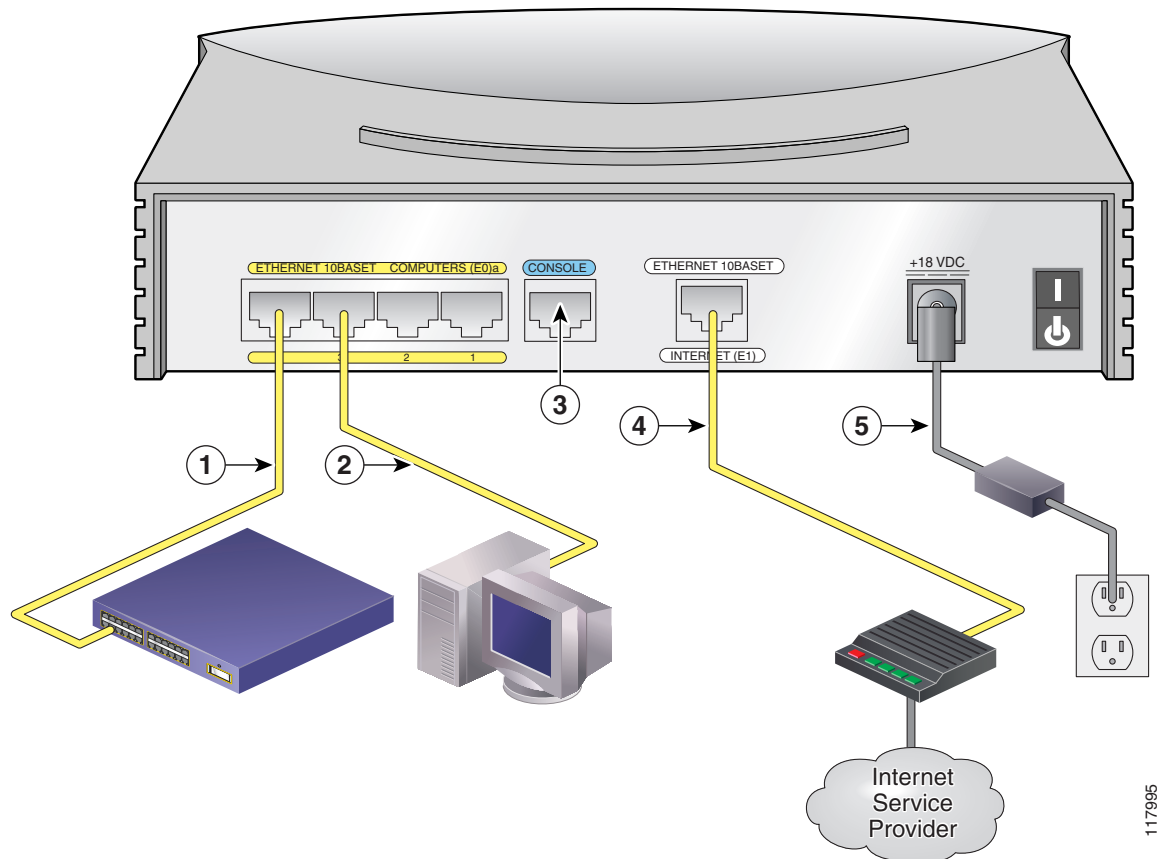
Figure 1-2   Product Serial Number Location
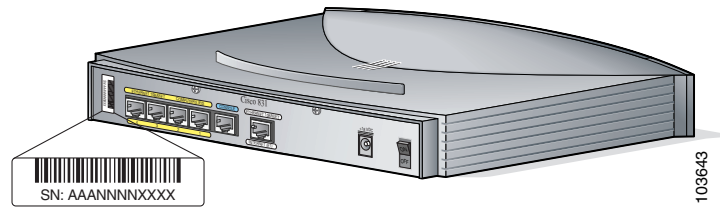
Connect the Router

Figure 1-3 shows a typical installation of a Cisco 831 router or SOHO 91 router.

Figure 1-3   Typical Cisco 831 or SOHO 91 Installation

Step 1   If you are connecting more than 4 PCs to the router, connect the router to a switch or hub using a yellow Ethernet cable, as shown in Figure 1-3.

Step 2 To connect a PC directly to your router, do so as shown in Figure 1-3. Turn the PC off so that it will obtain an IP address from the router when it is turned on. You can connect additional PCs to the remaining numbered Ethernet ports.

Step 3 The console port is a service port to which you can connect a terminal or PC in order to configure the software by using the command-line interface (CLI) or to troubleshoot problems with the router. If you want access to the router console, connect a PC or terminal to the Console port. For more information refer to the *Cisco 831 and SOHO 91 Hardware Installation Guide*.

Note By connecting the console port to an asynchronous modem using the optional SOHO/800 series router modem cable, you can add dial backup and remote management capabilities to the router. Refer to the *Cisco 831 Router and SOHO 91 Router Hardware Installation Guide* for more information.

Step 4 Connect the second yellow Ethernet cable between the router's Ethernet Internet port and an available port on an installed DSL, cable, or long-reach Ethernet modem as shown in Figure 1-3.

Follow the instructions provided with your broadband modem to determine which port on the modem to connect to. Turn on the broadband modem if it is not already turned on.

Step 5 Connect power to the router as shown in Figure 1-3 and turn on the router. Be sure to use the power supply that was shipped with the router.

The green OK LED on the front panel of the router lights when you connect the router to a power source. The router is now ready to be used.

If the green OK LED does not turn on, refer to the "Troubleshooting the Router" chapter in the *Cisco 831 and SOHO 91 Routers Hardware Installation Guide*.

The *Cisco 831 and SOHO 91 Hardware Installation Guide* contains more detailed connection instructions.

Try to Connect to a Website

Log on to a PC that is connected to the router, open a web browser, and connect to a website. If you successfully access a website, you do not need to change the configuration and you have completed setup. If you cannot access a website, follow the steps in Configure the Router, page 1-5.

Configure the Router

Your router was shipped with a web-based configuration tool that you run from a web browser.

SDM Configuration Instructions

If the *Cisco Router and Security Device Manager (SDM) Quick Start Guide* was included in your accessory kit, Cisco Router and Security Device Manager (SDM) is loaded on your router. Refer to that document to configure your Cisco 831 router.

The following link contains more information about SDM, including release notes and other SDM documentation.

http://www.cisco.com/en/US/products/sw/secursw/ps5318/index.html

> **Note** SDM is not shipped with SOHO 91 Routers.

CRWS Configuration Instructions

If you did not receive the *Cisco Router and Security Device Manager (SDM) Quick Start Guide*, Cisco Router Web Setup (CRWS) is loaded on your router. These instructions show you how to configure your router using CRWS. The CRWS software runs on Netscape versions 3.0 through 4.7, and on Internet Explorer version 4.0 or later.

Step 1 Start, or restart, a PC connected to one of the built-in switch ports (1, 2, 3, or 4) on the router.

Step 2 Open a web browser. Make sure that the browser is set to work in online mode.

- In Internet Explorer, click the File menu, and verify that the "work offline" option is unchecked.
- In Netscape, the default selection in the File menu is set to work online.

Step 3 Type in the universal resource locator (URL) shown in Figure 1-4.

Figure 1-4   Type in the URL http://10.10.10.1
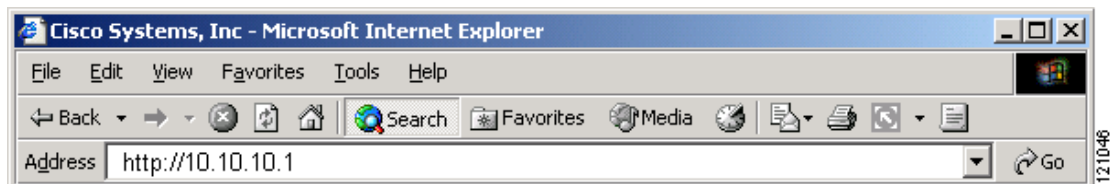
The CRWS dashboard page (Figure 1-5) should appear after one or two minutes.

Figure 1-5   CRWS Dashboard Page

🔍
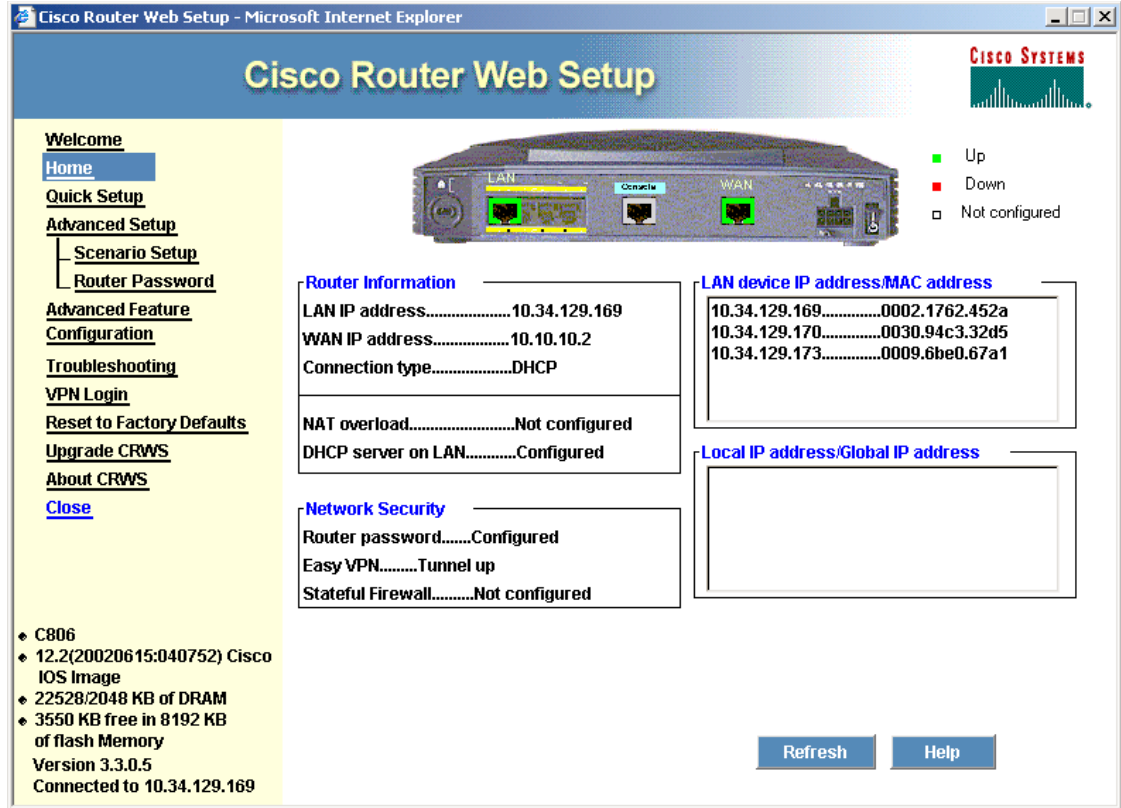
Tip   If the CRWS dashboard page does not appear when you enter the URL **http://10.10.10.1**, test the
connection between the PC and the router by doing the following:

- Check that the OK LED on the router is on, and check the cable connection between the router and
  the PC.

- If the CRWS home page still does not appear, verify that the web browser's "work offline" option
  is disabled.

- If the web page still does not appear, verify that the PC is configured to automatically receive an IP
  address. Select **Start/Run**, type **winipcfg** in the Run window, and examine the address in the IP
  address field. The address should be in the format 10.10.10.*X,* in which *X* is a number that is 2 or
  greater; for example, 10.10.10.2 or 10.10.10.3. If the IP address is not in this format, Follow the
  instructions in the Tip on page 1-7 to configure the PC to obtain an IP address automatically. Then
  start CRWS again.

Step 4   If you have no special configuration requirements, click the **Router Setup** link on the home page, and
then click **Quick Setup.** Then, enter the username and password provided to you by your Internet service
provider, and follow the instructions that appear in the page that is displayed.

Step 5   If you need to configure special features such as Network Address Translation (NAT), click the
appropriate links on the home page, and complete the configuration screens.

Step 6   Click the **Router Password** link on the home page, and set a password for the router.

Step 7   Select **Start/Run**, and type **winipcfg** in the Open field of the Run window. When the IP Config window appears, click **Release**, and then click **Renew** to release and renew the PC's IP address.

Alternatively, open the **Run** window, and enter **ipconfig /release** to release the PC's IP address. Then enter **ipconfig /renew** to renew the IP address of the PC.

Step 8   Open a web browser on the PC, and connect to a website. If you can connect to a website, you have completed setup.

Tip   If you could not start CRWS, your PC might not be configured to obtain an IP address automatically. You can use this information if your PC is running Microsoft Windows NT or Microsoft Windows 95, 98, or 2000. If the PC is running a different version of Microsoft Windows, refer to the documentation that came with the PC.

1. Start the PC, and open the Control Panel.

2. Click the **Network** icon to display the Network window.

3. Verify that TCP/IP has been added and associated with the Ethernet adapter. TCP/IP is shown as a cable icon in the Configuration window on Microsoft Windows 95, 98, 2000, Windows ME, and Windows XP and as a cable icon in the Protocol window on Microsoft Windows NT. If the icon is not visible, click **Add**, and add Microsoft TCP/IP.

4. To verify that the PC is configured to obtain an IP address automatically, click the TCP/IP cable icon, and select the **IP address** tab in the TCP/IP Properties window. Check **Obtain an IP address from a DHCP server if it is not checked**. The IP address and Subnet mask fields should be grayed out.

5. To accept all changes and exit this window, click **OK**. Then click **OK** in the Network window.

6. If you are prompted, click **Yes** to reboot the PC.

7. Return to Step 3 in the "Configure the Router" section on page 1-5.

For more information on how to configure TCP/IP, refer to the *Cisco Router Web Setup Troubleshooting Guide*, which is available on Cisco.com.

Congratulations! You Have Completed Setup

If you were able to connect to a website, you have completed the cabling and setup of your router, and you can continue to use it to access the Internet. If you need to configure more features, click the CRWS link for the feature you need to configure, and enter configuration values for the router.

For More Information about your Router

Refer to the following documents for more information:

- *Cisco 831 Router and SOHO 91 Router Hardware Installation Guide*—Provides detailed cabling and hardware information for the Cisco 836 and SOHO 96 routers.

- *Cisco 800 Series Router Software Configuration Guide*—Provides detailed configuration instructions for the Cisco 800 series routers.

- *Regulatory Compliance and Safety Information for Cisco 800 Series and SOHO Series Routers*—Provides international regulatory and safety compliance information for all Cisco 800 series routers and Cisco SOHO series routers.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html

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