



# Set Up Your Cisco Router

[Home](#) > [Work With My Routers](#) > [Cisco Routers](#) > Set Up Your Cisco Router

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[Step 2: Hardware Setup Procedure for Cisco 3800 Series Routers](#)

[Set Up Your Cisco Router](#)

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## Step 2: Hardware Setup Procedure for Cisco 3800 Series Routers

Step 1: [SMB Support Assistant Site Survey](#)

**Step 2: Hardware Setup Procedure for Cisco 3800 Series Routers**

[Introduction](#)

[Requirements](#)

[Install the Router](#)

[Review Safety Information](#)

[Set Up the Chassis](#)

[Connect Power to the Router](#)

[Connect the Router to a PC](#)

[Verify Your Installation](#)

[Next Step](#)

[Related Information](#)

Step 3: [Download and Install Security Device Manager](#)

Step 4: [Configure Your Router with Security Device Manager](#)

Step 5: [Configure Wireless Security on an Integrated Services Router \(ISR Only\)](#)

Step 6: [Add or Remove a Wireless User on an Integrated Service Router \(ISR Only\)](#)

Step 7: [Set Up an ADSL Internet Connection](#)

[Set Up an Ethernet Internet Connection](#)

[Set Up an ISDN Internet Connection](#)

[Set Up a T1, E1, or Serial Internet Connection](#)

Step 8: [Set Up Internet Security on a Cisco Router](#)

## Introduction

This document describes how to install your Cisco 3800 series router. The Cisco 3800 series features integrated service routers (ISR) that offer high-speed data, security, and voice features.

[Back to Top](#)

## Requirements

To install the 3800 series router, you need to have these items:

- Completed worksheets as instructed in the [Site Survey](#), which includes the Internet Worksheet for the router
- The router and power cord
- Access to local AC power
- A PC with an Ethernet card
- A [crossover Ethernet cable](#)

[Back to Top](#)

## Install the Router

Follow these steps to install your 3800 series router:

### Review Safety Information

Before you install your router, read the [Cisco 3800 Series Regulatory Compliance and Safety Information](#).

As advised in this document, the router should be connected to a reliable earth ground when in use.

### Set Up the Chassis

If you want to install the router on a desktop or shelf, follow these steps:

1. Place the router upside-down on a smooth, flat surface.
2. Peel the rubber feet from the black adhesive strip and attach them to the four corners of the bottom of the chassis.
3. Place the router top-side up on a flat, smooth, secure surface. Position the router where you have access to both front and back panels.

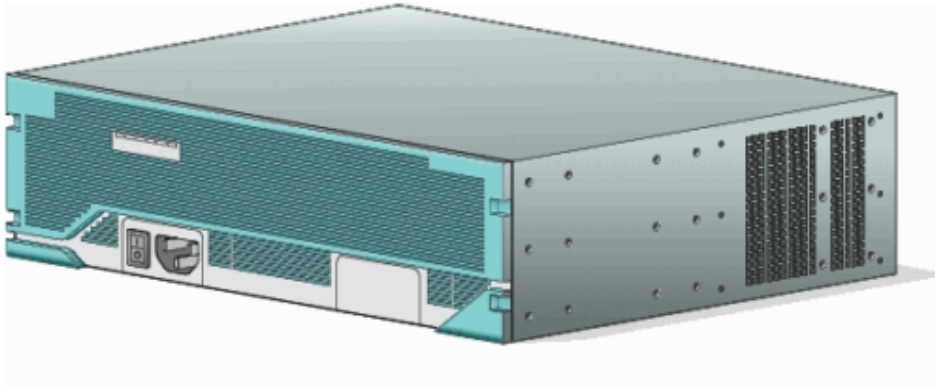


**Caution:** Do not place anything on top of the router that weighs more than 10 pounds (4.5 kg). Excessive weight on top could damage the chassis.

### Connect Power to the Router

Follow these steps to connect power to the router:

1. Connect the power cord to the power socket on the front panel of the router.



**Note:** This illustration shows the 3845 model.

2. Connect the other end of the power cord to a standard AC power outlet.
3. Press the power switch to the on ( | ) position.
4. To confirm that the router has power, verify that the SYS PWR LED on the front panel is on. The SYS PWR LED blinks slowly until the router has finished the boot process.

**Note:** For the Cisco 3845 router, the SYS PWR1 or SYS PWR2 LED is lit after the router completes startup.

### Connect the Router to a PC

To configure the router, you must connect the router to a PC with a crossover Ethernet cable. Follow these steps:

1. Connect one end of the Ethernet cable to the GigabitEthernet port on the router.
2. Connect the other end of the Ethernet cable to the RJ-45 port on the Ethernet card installed in the PC.

[Back to Top](#)

## Verify Your Installation

To verify your installation, check for normal LED activity, as described in this table. All lights are green when activity is normal. If you do not see normal LED activity, contact the [SMB Technical Assistance Center \(SMB TAC\)](#) for assistance.

LED	Meaning
SYS	<ul style="list-style-type: none"> <li>• Off indicates router not receiving power</li> <li>• Steady green indicates normal operation (power-up complete)</li> <li>• Blinking green indicates booting or in ROM monitor mode (immediately after power-up)</li> <li>• Amber indicates that the router is powered but malfunctioning</li> </ul>
SYS PWR	<ul style="list-style-type: none"> <li>• Off indicates router not receiving power</li> <li>• Steady green indicates normal operation (power-up complete)</li> </ul>
SYS PWR1	<ul style="list-style-type: none"> <li>• Off indicates router not receiving power, power supply 1 not present, or power-up not completed</li> <li>• Steady green indicates power supply is present and enabled (power-up completed)</li> <li>• Amber indicates power supply is present and off or malfunctioning</li> </ul>
SYS PWR2	<ul style="list-style-type: none"> <li>• Off indicates router not receiving power, power supply 2 not present, or power-up not completed</li> <li>• Steady green indicates power supply is present and enabled (power-up completed)</li> <li>• Amber indicates power supply is present and off or malfunctioning</li> </ul>
AUX PWR	<ul style="list-style-type: none"> <li>• Off indicates IP phone power is off or not present, or power-up not completed</li> <li>• Steady green indicates auxilliary power is present and enabled (power-up completed)</li> <li>• Amber indicates router is powered but malfunctioning</li> </ul>
AUX PWR1	<ul style="list-style-type: none"> <li>• Off indicates IP phone power supply 1 is off or not present, or power-up not completed</li> <li>• Steady green indicates auxilliary power is present and enabled (power-up completed)</li> <li>• Amber indicates router is powered but malfunctioning</li> </ul>

AUX PWR2	<ul style="list-style-type: none"> <li>• Off indicates IP phone power supply 2 is off or not present, or power-up not completed</li> <li>• Steady green indicates auxilliary power is present and enabled (power-up completed)</li> <li>• Amber indicates router is powered but malfunctioning</li> </ul>
ACT	<ul style="list-style-type: none"> <li>• Off indicates no packet activity</li> <li>• Steady or blinking green indicates packets transmitted or received on any WAN or LAN port, or router is monitoring internal activities (power-up completed)</li> </ul>
CF	<ul style="list-style-type: none"> <li>• Off indicates CompactFlash memory card not being accessed</li> <li>• Steady green indicates CompactFlash card being accessed; do not eject</li> <li>• Blinking green indicates CompactFlash card being accessed; do not eject</li> </ul>

[Back to Top](#)

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## Next Step

You have completed hardware installation and are ready to configure your router using Security Device Manager (SDM). SDM is a configuration tool that allows you to configure LAN and WAN interfaces, routing, Network Address Translation (NAT), firewalls, VPNs, and other features on your router.

For further instructions, refer to [Configure Your Router with Security Device Manager](#).

**Note:** If you have an ASA Security Appliance in your network, refer to [Configure Your Router with Security Device Manager for ASA](#).

[Back to Top](#)

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## Related Information

- [Site Survey](#)
- [Cable Descriptions](#)
- [Cisco 3800 Series Regulatory Compliance and Safety Information](#)
- [Configure Your Router with Security Device Manager](#)