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Introduction

This document describes how to install your Cisco 1800 series router. The 1800 series includes modular and fixed-configuration routers that offer high-speed data, security, and voice features.

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Requirements

To install the 1800 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](#)

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Install the Router

Follow these steps to install your 1800 series router:

Review Safety Information

Before you install your router, read the regulatory compliance and safety information for your router:

- [Regulatory Compliance and Safety Information for Cisco 1800 Integrated Services Routers](#)
- [Regulatory Compliance and Safety Information for Cisco 1840 Routers](#)

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 Wireless Antennas

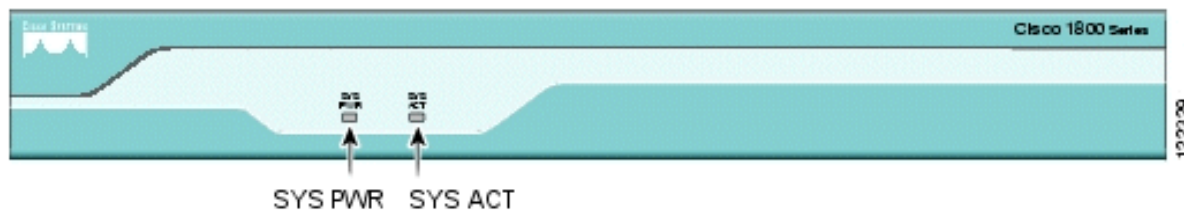
If your router has the wireless LAN option, follow these steps to connect the antennas:

1. Screw the antenna connectors in a clockwise direction onto the connectors on the back panel of the router.
2. After you have attached the antennas, you must orient them. For best radio performance, orient the antennas so that they are perpendicular to the ground.

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 back panel of the router.
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 Power LED on the front panel is on. The Activity light blinks slowly until the router has finished the boot process.



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 10/100 BaseT Fast Ethernet port on the router.



Caution: Always connect the Ethernet cable to the yellow Ethernet port on the router. If you connect the cable to the wrong port, you may damage your router.

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

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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	Panel	Meaning
SYS PWR	Front	<ul style="list-style-type: none"> • On when the system is operates normally. • Blinks slowly when the system is booting or in the ROM monitor.
SYS ACT	Front	Blinks to indicate network or system activity.
CF	Back	On when flash memory is busy. Do not remove the CompactFlash memory card when this light is on.
FDX	Back	On indicates full-duplex operation. Off indicates half-duplex operation.
100	Back	On indicates a 100-Mbps link. Off indicates a 10-Mbps link.

LNK (FE 0/0)	Back	On when the router is correctly connected to a local Ethernet network through Ethernet port 0.
LNK (FE 0/1)	Back	On when the router is correctly connected to a local Ethernet network through Ethernet port 1.

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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](#).

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Related Information

- [Site Survey](#)
- [Cable Descriptions](#)
- [Configure Your Router with Security Device Manager](#)