



# Install and Connect Cisco ISR1100-4G, Cisco ISR1100-6G, and Cisco ISR1100-4GLTE

This chapter describes how to install and connect the Cisco ISR1100-4G, Cisco ISR1100-6G, and Cisco ISR1100-4GLTE routers.

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## Unpack Router

Do not unpack the router until you are ready to install it. If the final installation site is not yet ready, keep the chassis in its shipping container to prevent accidental damage. When you are ready to install the router, unpack it.

The router, accessory kit, publications, and any optional equipment that you ordered may be shipped in more than one container. When you unpack the containers, check the packing list to ensure that you received all the items on the list.

## Install Cisco ISR 1100-4G and Cisco ISR 1100-6G Routers



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**Warning** Read the installation instructions before using, installing or connecting the system to the power source. Statement 1004

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**Warning** Installation of the equipment must comply with local and national electrical codes. Statement 1074

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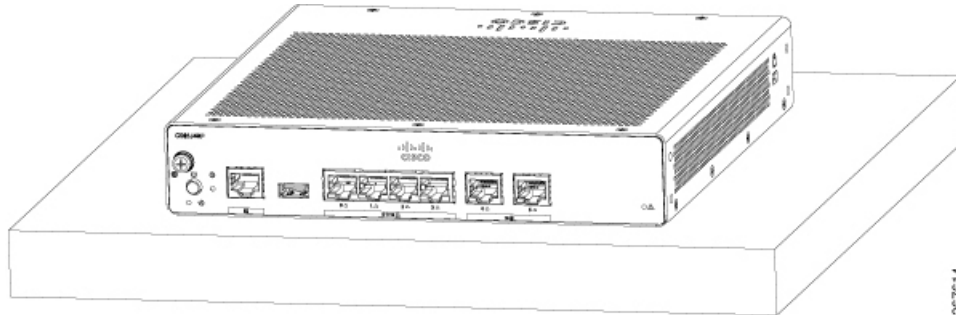
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**Warning** To prevent airflow restriction, allow clearance around the ventilation openings to be at least: 1.75 in. (4.4 cm). Statement 1076

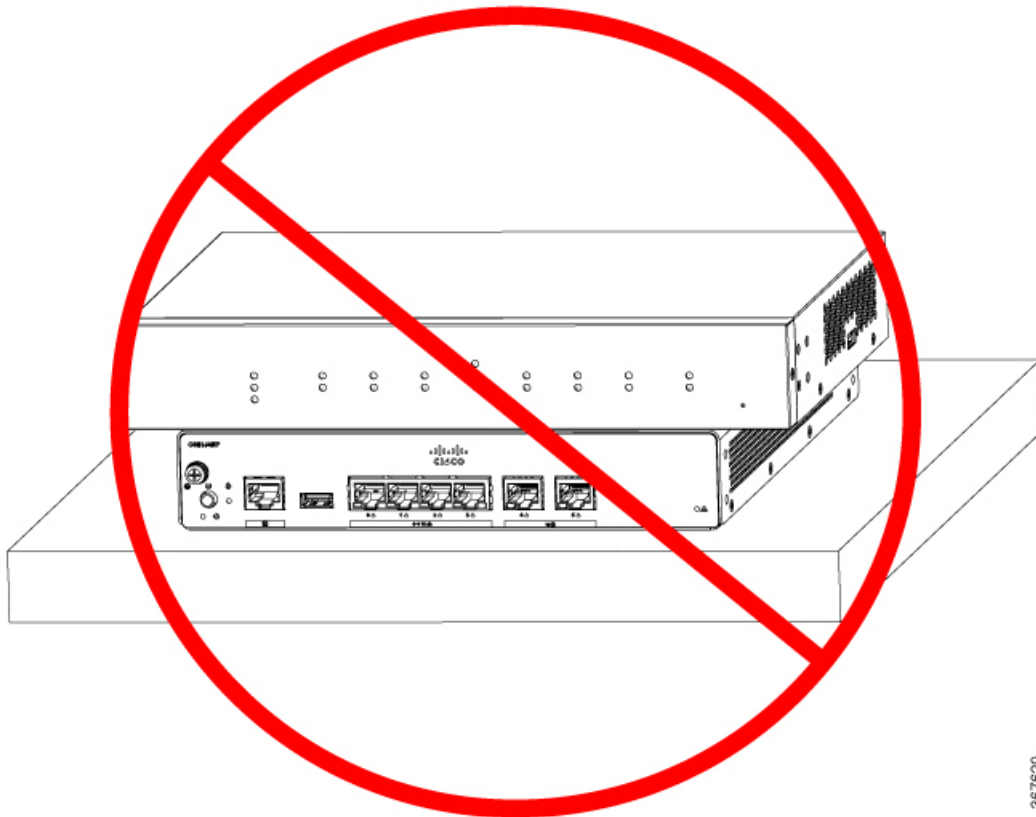
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Place the router on a desk or a shelf. At the bottom of the router, there are four rubber feet that protect the router and the surface it is on.

### Placing the Router on a Desk or a Shelf



**Note** Do not stack up routers.



# Connect Cisco ISR1100-4G and Cisco ISR1100-6G

## Chassis Grounding



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**Warning** Connect the Chassis to Earth Ground—To reduce the risk of electric shock, the chassis of this equipment needs to be connected to permanent earth ground during normal use. Statement 445

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**Warning** Only trained and qualified personnel should be allowed to install, replace, or service this equipment. Statement 1030

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To meet safety and electromagnetic interference (EMI) requirements and to ensure proper operation of your Cisco ISR1100-4G and Cisco ISR1100-6G routers, connect the routers to a reliable earth ground before you power it on. To do so, you need a number 2 Phillips (+) screwdriver.



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**Note** You need to use your own 14 AWG copper wire and ring terminal. These are not part of the accessory kit.

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1. For grounding the chassis, use a copper wire of size 14 AWG and a ring terminal. These are not part of the accessory kit.
2. Strip one end of the ground wire to the length required for the ground lug or the ring terminal, and attach the ring terminal to the cable.
3. Crimp the ground wire to the ground lug or ring terminal, using a crimp tool of the appropriate size.
4. Make sure that the cable does not touch or block access to other router components.

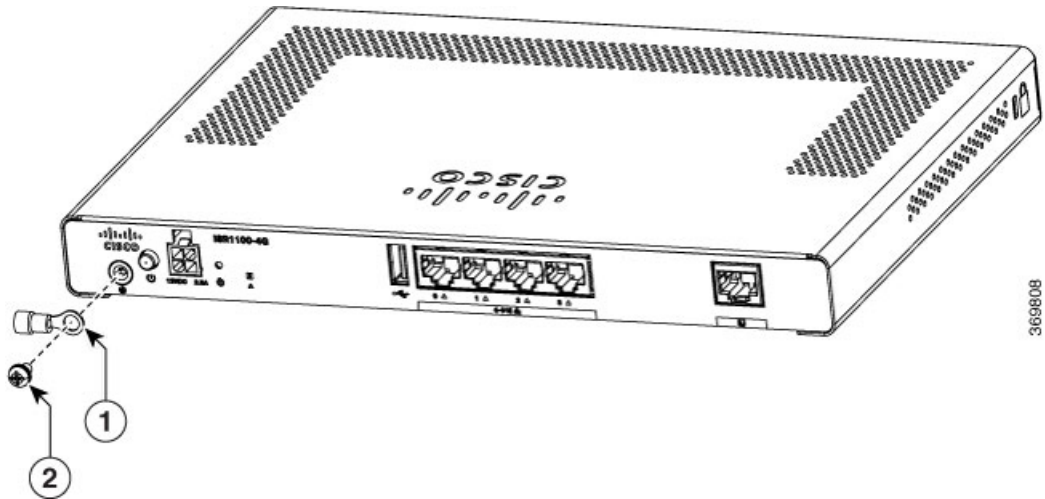


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**Note** For the purpose of illustration, we have used the image of an Cisco ISR1100-4G router to show chassis grounding.

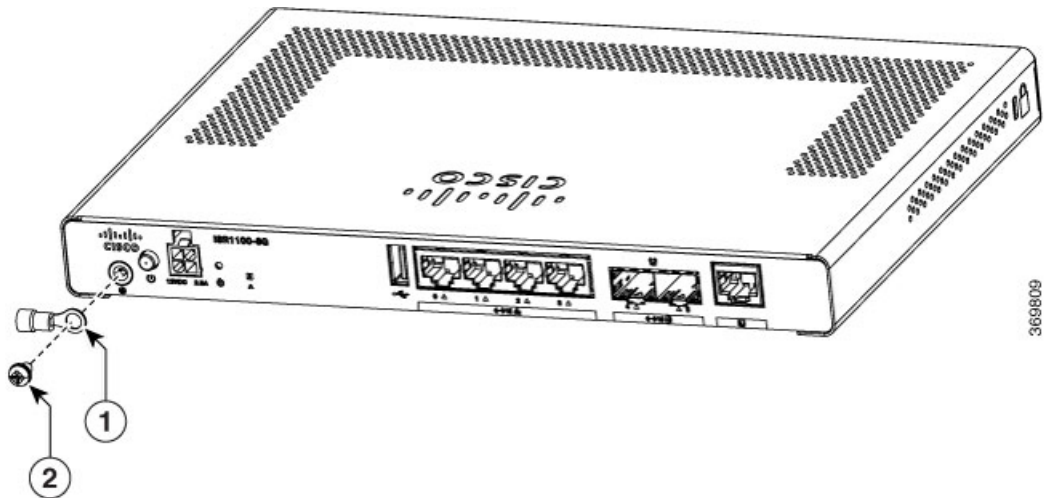
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Figure 1: Chassis Grounding for Cisco ISR1100-4G



1	Screw (UNC 6-32)
2	Ground Lug

Figure 2: Chassis Grounding for Cisco ISR1100-6G



## Connect the Power Cable

Before you connect power to the router, make sure you have:

- Electrostatic discharge (ESD) grounding strap.
- Power cords appropriate for your geographical location.

### Connect Router to AC Power

Before you power the router, first ensure that it is connected to earth ground. Next, plug the power supply output cable to the 4-pin power connector on the front panel. Finally, plug the input power cord to the AC power source.



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**Warning**

To prevent the system from overheating, do not operate it in an area that exceeds the maximum recommended ambient temperature of 104°F (40°C). Statement 1047

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## Connect the Router to a Console

You can configure and manage the Cisco ISR1100-4G and Cisco ISR1100-6G routers using a management console. To connect the router to a management console, use the console port which accepts a cable with an RJ-45 connector.

To connect the router to a console:

1. Connect the end of the console cable with the RJ-45 connector to the console port on the router.
2. Connect the end of the cable with the DB-9 connector (or USB Type-A) to the terminal or PC. If your terminal or PC has a console port that does not accommodate a DB-9 connector, you must provide an appropriate adapter for that port.



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**Caution**

Power over Ethernet (PoE) enabled cables can damage the console port. Do not accidentally connect these cables to the console port.

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