



## **QUICK START GUIDE**



### **Cisco VG202 and Cisco VG204 Voice Gateways INCLUDING LICENSE AND WARRANTY**

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# 1 Cisco 90-Day Limited Hardware Warranty Terms

The following are special terms applicable to your hardware warranty. Your formal Warranty Statement, including the warranty applicable to Cisco software, appears in the Cisco Information Booklet that accompanies your Cisco product.

**Duration of Hardware Warranty:** Ninety Days

**Replacement, Repair or Refund Procedure for Hardware:** Cisco or its service center will use commercially reasonable efforts to ship a replacement part within ten (10) working days after receipt of the RMA request. Actual delivery times may vary depending on Customer location.

Cisco reserves the right to refund the purchase price as its exclusive warranty remedy.

**To Receive a Return Materials Authorization (RMA) Number:** Please contact the party from whom you purchased the product. If you purchased the product directly from Cisco, contact your Cisco Sales and Service Representative.

**Complete the information below, and keep it for reference:**

Product purchased from	
Their telephone number	
Product model and serial number	
Maintenance contract number	

## 2 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>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

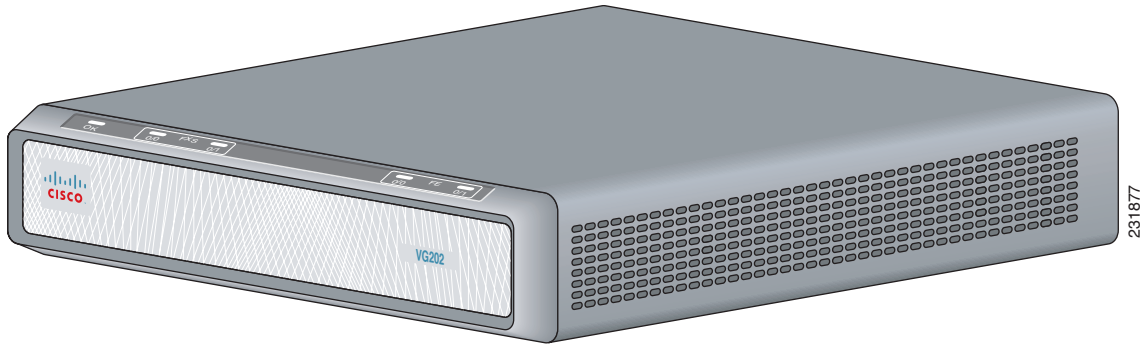
## 3 Equipment, Tools, and Accessories

This section describes your voice gateway and the equipment, tools, and accessories that accompany or are not included with the voice gateway.

### Cisco VG202 and Cisco VG204 Voice Gateways

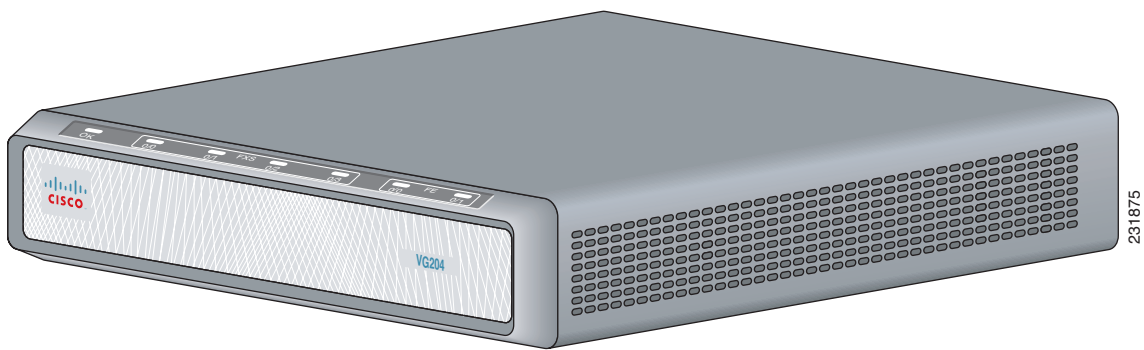
Figure 1 and Figure 2 show the front panels of the Cisco VG202 and Cisco VG204 Voice Gateways. The Cisco VG202 and Cisco VG204 chassis include console, auxiliary, FXS, and FE ports.

**Figure 1 Cisco VG202 Voice Gateway Front Panel**



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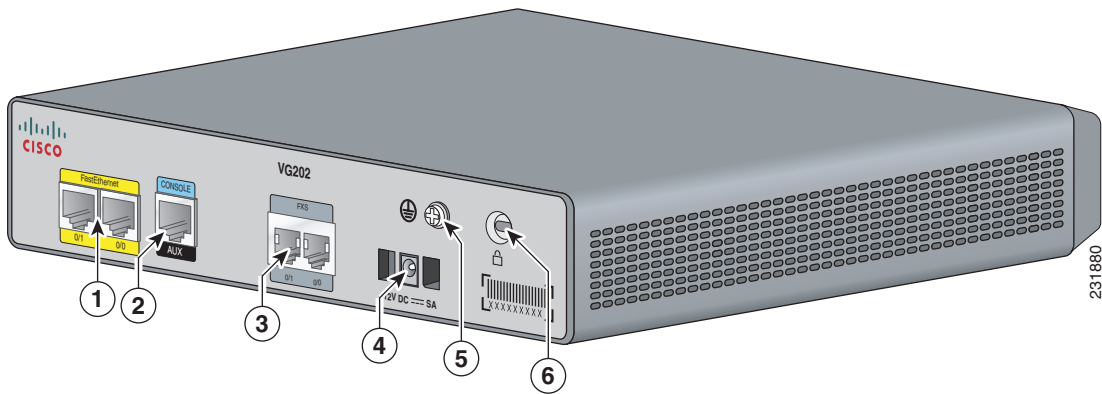
**Figure 2 Cisco VG204 Voice Gateway Front Panel**



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Figure 3 and Figure 4 show the back panels and features of the Cisco VG202 and Cisco VG204 Voice Gateways.

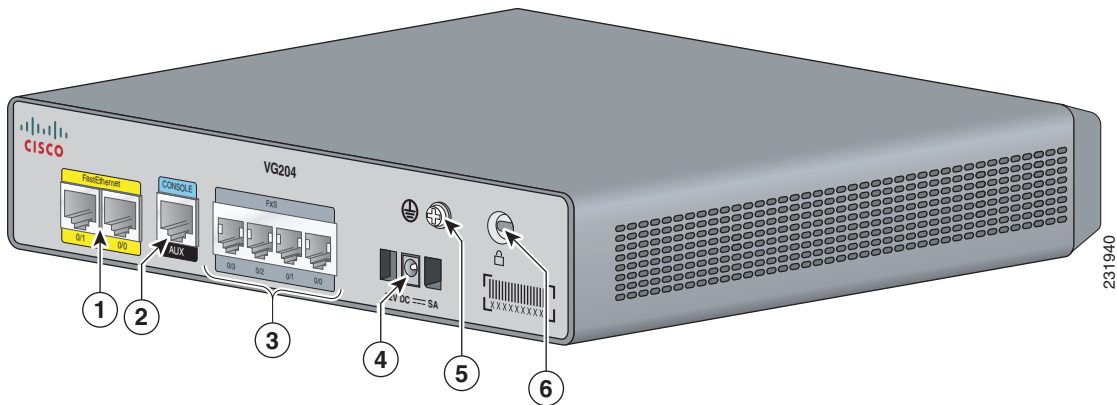
**Figure 3 Back Panel Feature Locations on the Cisco VG202 Voice Gateway**



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<b>1</b>	Fast Ethernet port 1 Fast Ethernet port 0	<b>2</b>	Serial port—console or auxiliary	<b>3</b>	FXS ports
<b>4</b>	Power connector	<b>5</b>	Chassis ground connection	<b>6</b>	Kensington security slot

**Figure 4 Back Panel Feature Locations on the Cisco VG204 Voice Gateway**



<b>1</b>	Fast Ethernet port 1 Fast Ethernet port 0	<b>2</b>	Serial port—console or auxiliary	<b>3</b>	FXS ports
<b>4</b>	Power connector	<b>5</b>	Chassis ground connection	<b>6</b>	Kensington security slot

## Items Included with Cisco VG202 and Cisco VG204 Voice Gateways

The following are included with the Cisco VG202 and Cisco VG204 Voice Gateways:

- Power cord
- RJ-45-to-DB9 cable (labeled *Console*)
- Four rubber feet for desktop mounting
- Paper template for wall mounting with two wall-mount screws



**Note** Power cords vary, depending upon local requirements.

## Items Not Included

You may need one or more of these items for your application:

- PC running terminal emulation software for administrative access
- Modem for remote access
- Fast Ethernet RJ-45-to-RJ-45 straight-through cable

## 4 Product Serial Number Location

The serial number labels for the Cisco VG202 and Cisco VG204 Voice Gateways (routers) are located on the bottom of the chassis, near the compliance label. The serial number label is 0.25 x 1 inch (0.635 x 2.54 cm). It has the letters “SN:” followed by eleven characters.

## 5 Accessibility

This product family uses a command-line interface (CLI). Because it is text based and relies on a keyboard for navigation, the CLI is 508 conformant. All functions of the router can be configured and monitored through the CLI.

To view Cisco accessibility guidelines and product adherence, see Cisco Accessibility Products at the following URL:

<http://www.cisco.com/web/about/responsibility/accessibility/products>

## 6 Safety Information

The following warnings apply to the Cisco VG202 and Cisco VG204 routers and should be read before installing this product.



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### IMPORTANT SAFETY INSTRUCTIONS

**This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device.** Statement 1071

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### SAVE THESE INSTRUCTIONS

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**Do not work on the system, or connect or disconnect cables during periods of lightning activity.** Statement 1001

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**Read the installation instructions before connecting the system to the power source.** Statement 1004

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**This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that the protective device is rated not greater than:  
120 VAC, 15A (240 VAC, 10A international)** Statement 1005

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**This unit is intended for installation in restricted access areas. A restricted access area can be accessed only through the use of a special tool, lock and key, or other means of security.** Statement 1017

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

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**This equipment must be installed and maintained by service personnel as defined by AS/NZS 3260. Incorrectly connecting this equipment to a general-purpose outlet could be hazardous. The telecommunications lines must be disconnected 1) before unplugging the main power connector or 2) while the housing is open, or both.** Statement 1043

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**To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables.** Statement 1021

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**Hazardous network voltages are present in WAN ports regardless of whether power to the unit is OFF or ON. To avoid electric shock, use caution when working near WAN ports. When detaching cables, detach the end away from the unit first.** Statement 1026

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**Do not use this product near water; for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement, or near a swimming pool.** Statement 1035

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**Warning**

**Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.** Statement 1036



**Warning**

**Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.** Statement 1037



**Warning**

**Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.** Statement 1038



**Warning**

**To report a gas leak, do not use a telephone in the vicinity of the leak.** Statement 1039



**Warning**

**This equipment has been designed for connection to TN and IT power systems.** Statement 1007



**Warning**

**Before performing any of the following procedures, ensure that power is removed from the DC circuit.** Statement 1003



**Warning**

**This equipment needs to be grounded. Use a green and yellow 12 to 14 AWG ground wire to connect the host to earth ground during normal use.** Statement 242



**Warning**

**The importance of proper grounding cannot be overemphasized. It will minimize the potential for damage to your system and maximize safety at the system site. We recommend you consult a licensed electrician or your local electric utility company if you have any questions.** Statement 269



**Warning**

**A ground wire must always be a single piece of wire. Never splice two wires together for a ground. Corrosion and weathering can lead to a poor connection at the splice, making the ground ineffective and dangerous.** Statement 270



**Warning**

**To prevent accidental discharge in the event of a power line cross, route on-premise wiring away from power cables and off-premise wiring, or use a grounded shield to separate the on-premise wiring from the power cables and off-premise wiring. A power line cross is an event, such as a lightning strike, that causes a power surge. Off-premise wiring is designed to withstand power line crosses. On-premise wiring is protected from power line crosses by a device that provides overcurrent and overvoltage protection. Nevertheless, if the on-premise wiring is in close proximity to, or not shielded from, the off-premise wiring or power cables during a lightning strike or power surge, the on-premise wiring can carry a dangerous discharge to the attached interface, equipment, and nearby personnel.** Statement 338



**Warning**

**There is the danger of explosion if the battery is replaced incorrectly. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.** Statement 1015



**Warning**

**Take care when connecting units to the supply circuit so that wiring is not overloaded.** Statement 1018



**Warning**

**For connections outside the building where the equipment is installed, the following ports must be connected through an approved network termination unit with integral circuit protection.**  
**FXS/T3/E3** Statement 1044



**Warning**

**This equipment contains a ring signal generator (ringer), which is a source of hazardous voltage. Do not touch the RJ-11 (phone) port wires (conductors), the conductors of a cable connected to the RJ-11 port, or the associated circuit-board when the ringer is active. The ringer is activated by an incoming call.** Statement 1042



**Warning**

**This unit is intended to be mounted on a wall. Please read the wall mounting instructions carefully before beginning installation. Failure to use the correct hardware or to follow the correct procedures could result in a hazardous situation to people and damage to the system.** Statement 248



**Warning**

**To prevent bodily injury when mounting or servicing this unit in a rack, you must take special precautions to ensure that the system remains stable. The following guidelines are provided to ensure your safety:**

**This unit should be mounted at the bottom of the rack if it is the only unit in the rack.**

**When mounting this unit in a partially filled rack, load the rack from the bottom to the top with the heaviest component at the bottom of the rack.**

**If the rack is provided with stabilizing devices, install the stabilizers before mounting or servicing the unit in the rack.**  
Statement 1006



**Warning**

**This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available.** Statement 1024



**Warning**

**Use copper conductors only.** Statement 1025



**Warning**

**Ultimate disposal of this product should be handled according to all national laws and regulations.** Statement 1040



**Warning**

**Before opening the unit, disconnect the telephone-network cables to avoid contact with telephone-network voltages.** Statement 1041



**Warning**

**No user-serviceable parts inside. Do not open.** Statement 1073



**Warning**

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

## 7 Installing the Chassis

This section provides the procedures for installing and grounding the router chassis.

### Chassis Installation Options

You can set the chassis on a desktop or mount it on a wall.



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**Tip** Before proceeding, consider the location of the equipment with respect to a good ground. See the “Grounding the Chassis” section on page 10.

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See the following instructions:

- Setting the Chassis on a Desktop, page 8
- Wall-Mounting the Chassis, page 8
- Grounding the Chassis, page 10



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**Caution** Use only the mounting hardware supplied with this product.

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### Setting the Chassis on a Desktop

You can place Cisco VG202 and Cisco VG204 routers on a desktop or shelf.



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**Caution** Do not place anything on top of the router that weighs more than 5 pounds (2.25 kg), and do not stack routers on a desktop. Excessive distributed weight of more than 5 pounds or pound point load of 5 pounds on top could damage the chassis.

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After you install the router, you must connect the chassis to a reliable earth ground. For the chassis ground connection procedures, see the “Grounding the Chassis” section on page 10.

### Wall-Mounting the Chassis

You can mount the router on a wall or other vertical surface by using the molded mounting brackets on the bottom of the router and two number-six, 3/4-inch (M3.5 x 20 mm) screws. You must provide the screws. Figure 5 shows the mounting-screw slots on the router.



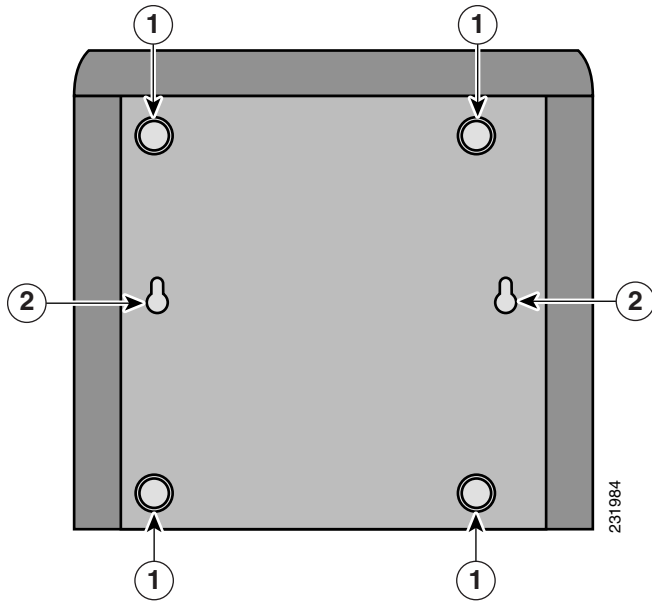
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**Caution** If you are mounting the router on drywall, use two hollow-wall anchors (1/8 inch with 5/16-inch drill bit, or M3 with 8-mm drill bit) to secure the screws. If the screws are not properly anchored, the strain of the network cable connections could pull the router from the wall.

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**Figure 5** *Mounting-Screw Slots for Wall-Mounting the Cisco VG202 or Cisco VG204 Router*



<b>1</b>	Rubber feet	<b>2</b>	Mounting-screw slots
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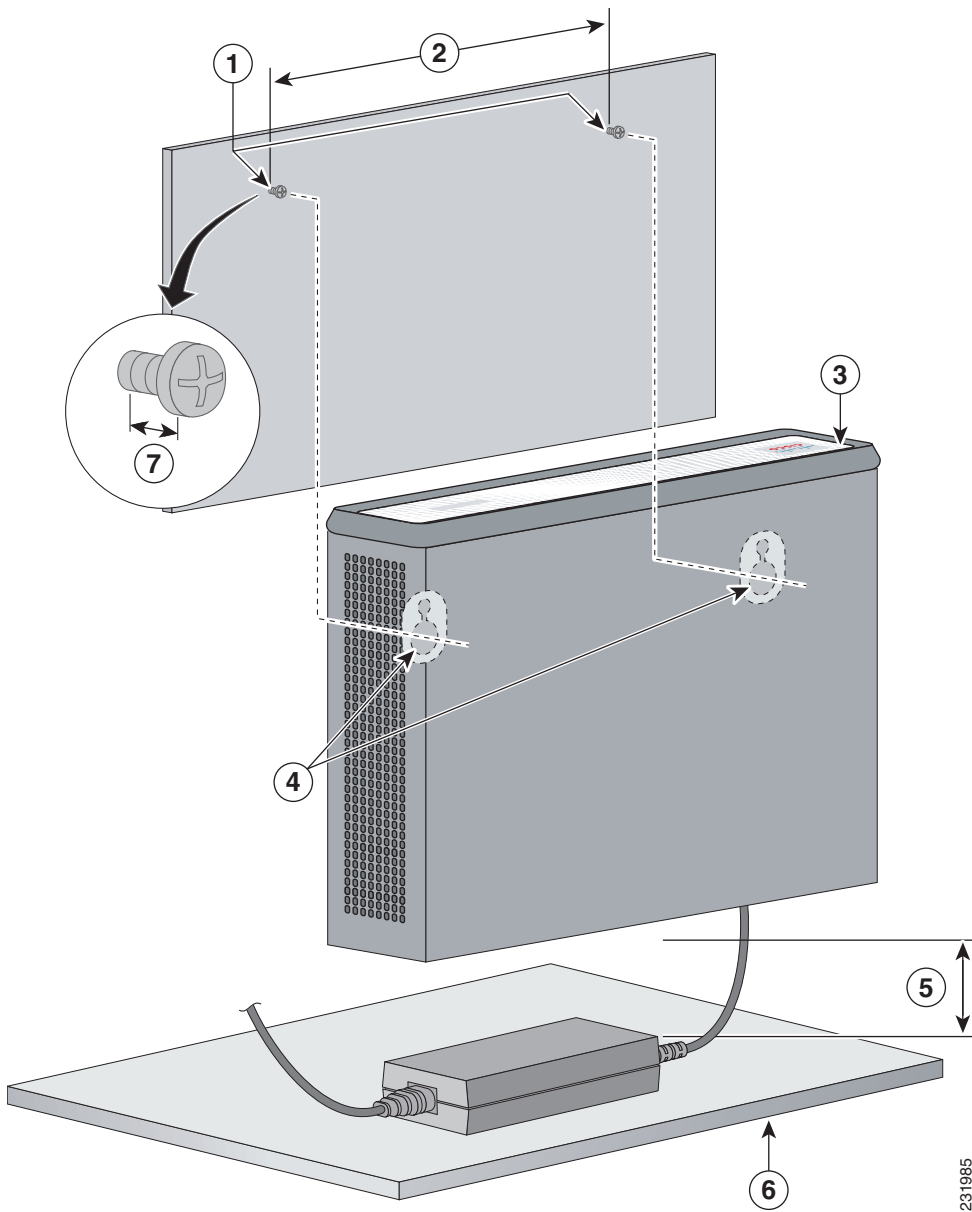
The following conditions must be met when you mount the router:

- Because you will use the LEDs as status and problem indicators, the LEDs on the front panel must face upward and must be easily visible.
- The back panel must face downward to reduce strain on the cable connections.
- The power supply must rest on a horizontal surface such as the floor or a table. If the power supply is not supported, it could place strain on the power supply cable and cause it to disconnect from the connector on the router back panel.

To wall-mount the Cisco VG202 or Cisco VG204 voice gateway, follow this procedure:

- Step 1** Secure two screws  $5 \frac{7}{16}$  inches (13.81 centimeters) apart into a wall and  $\frac{1}{8}$  inch (0.32 centimeter) out from the wall.
- Step 2** Hang the voice gateway on the screws as shown in Figure 6.
- Step 3** Place the power supply on a horizontal surface.

**Figure 6** Mounting the Cisco VG202 or Cisco VG204 Voice Gateway on a Wall



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<b>1</b>	Two number-six, 3/4-in. screws	<b>2</b>	Distance between the two screws (5 7/16 in. [13.81 cm])
<b>3</b>	Cisco VG202 or Cisco VG204 voice gateway	<b>4</b>	Mounting-screw slots
<b>5</b>	Maximum distance between the voice gateway and the power supply (6 ft [1.8 m])	<b>6</b>	Horizontal surface on which to set the power supply
<b>7</b>	Distance between the screw and the wall (1/8 in. [0.32 cm])		

## Grounding the Chassis

You must connect the chassis to a reliable earth ground; the ground wire must be installed in accordance with local electrical safety standards.

- For NEC-compliant grounding, use size AWG 14 (2 mm<sup>2</sup>) or larger wire and an appropriate user-supplied ring terminal.
- For EN/IEC 60950-compliant grounding, use size AWG 18 (1 mm<sup>2</sup>) or larger wire and an appropriate user-supplied ring terminal.
- To ground the chassis, you will need a crimp tool and a number 2 Phillips screwdriver.

To connect the chassis to a reliable earth ground, perform the following steps:

**Step 1** Locate a suitable ground.



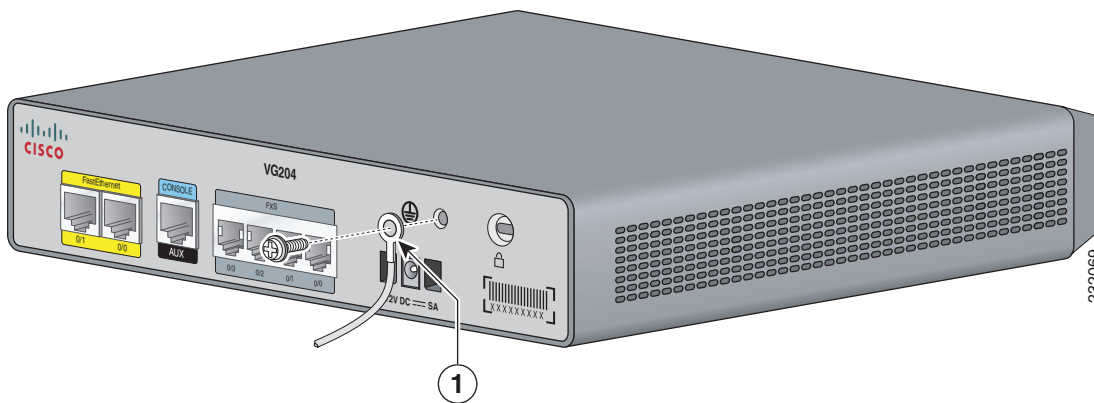
**Tip** Using a multimeter, measure the resistance between various possible ground locations, such as between the ground of a junction box (outlet) and the ground of a power tap, between the ground of a junction box and a metal water pipe, between the voice gateway chassis and the ground of a power tap, or between the chassis and the ground of a junction box. A good ground connection should read between 0.0 and 0.5 ohm.

**Step 2** Strip one end of the ground wire to the length required for the ring terminal.

**Step 3** Crimp the ground wire to the ring terminal, using a crimp tool of the appropriate size.

**Step 4** Attach the ring terminal to the chassis as shown in Figure 7. For a ring terminal, use one of the screws provided. Use a number 2 Phillips screwdriver, and tighten the screws to a torque of 8 to 10 in-lb (0.9 to 1.1 N-m).

**Figure 7** Chassis Ground Connection Using Ring Terminal



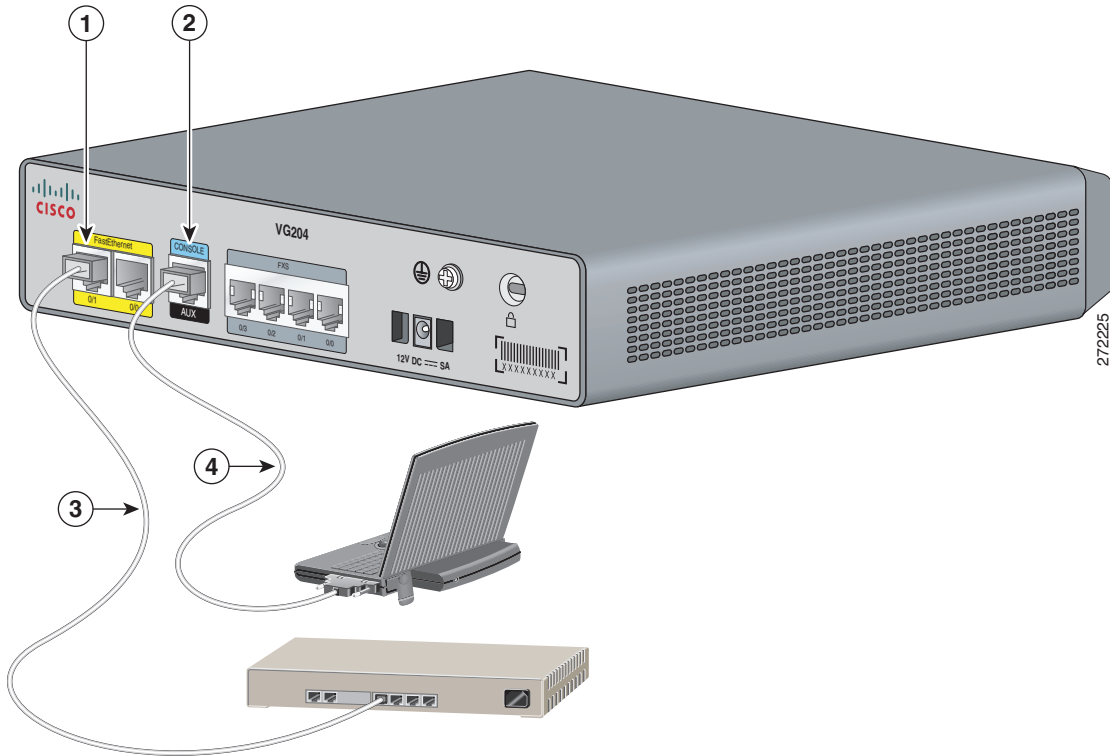
<b>1</b>	Ring terminal attachment		
----------	--------------------------	--	--

**Step 5** Connect the other end of the ground wire to a grounding point at your site.

## 8 Connecting Cables

Figure 8 shows the cabling for LAN and administrative access for the Cisco VG202 or Cisco VG204 voice gateway.

**Figure 8 LAN and Administrative Access**



<b>1</b>	Fast Ethernet port	<b>2</b>	Console port
<b>3</b>	Fast Ethernet straight-through cable connected to an Ethernet hub	<b>4</b>	RJ-45-to-DB9 console cable connected to a PC

## Connecting Cables

Table 1 describes the LAN and console cables and connections.

**Table 1 LAN and Administrative Access Selection**

Port or Connection	Color or Type	Connected To	Cable
Fast Ethernet	Yellow	Fast Ethernet switch or telephone	Straight-through Fast Ethernet cable (not included)
Console	Light blue	PC or ASCII terminal communication (COM) port	RJ-45-to-DB9 console cable (included)

## Connecting Voice Cables

Table 2 describes the voice cable and connection.

**Table 2 Voice Cable Selection**

Port/Interface	Color or Type	Connected To	Cable
Analog voice/FXS	RJ-11	Distribution panel or telephone	RJ-11-to-RJ-11 straight-through cable (not included)

# 9 Powering On the Cisco VG202 and Cisco VG204 Voice Gateways

This section provides the procedure for powering on your Cisco VG202 or Cisco VG204 voice gateway.

## Checklist for Power-On

You are ready to power on the Cisco VG202 or Cisco VG204 voice gateway if it meets these requirements:

- The chassis is securely mounted.
- The power and interface cables are connected.

## Power-On Procedure

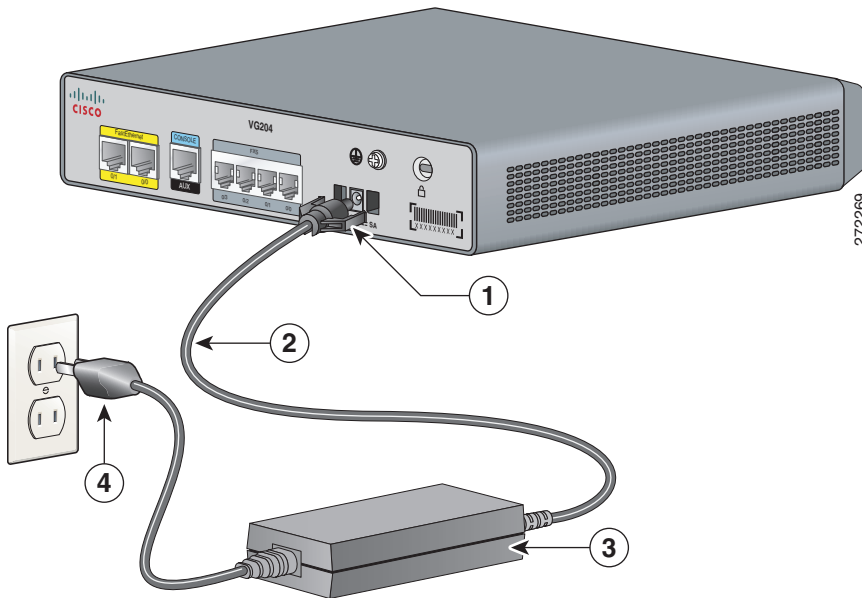
Perform this procedure to power on your Cisco VG202 or Cisco VG204 voice gateway and to verify that the voice gateway completes its initialization and self-test. Upon completion of these processes, the voice gateway is ready for you to configure.

To power on the Cisco VG202 or Cisco VG204 voice gateway, follow this procedure:

**Step 1** Plug the Cisco VG202 or Cisco VG204 voice gateway DC cable as shown in Figure 9. Then plug the AC plug into a wall outlet.

The green OK LED should light.

**Figure 9** Connecting the External Power Supply to the Cisco VG202 and Cisco VG204 Voice Gateway



<b>1</b>	DC plug	<b>2</b>	Power cord
<b>3</b>	Power adapter	<b>4</b>	AC plug

The following message appears at the end of the bootup messages:

```
--- System Configuration Dialog ---  
Would you like to enter the initial configuration dialog? [yes/no]:
```

**Step 2** Enter **no** to proceed with manual configuration using the command-line interface (CLI):

```
Would you like to enter the initial configuration dialog? [yes/no]: no  
Would you like to terminate autoinstall? [yes]
```

**Step 3** Press **Return** to terminate autoinstall and continue with manual configuration.

Several messages appear, ending with lines similar to the following:

```
Copyright (c) 2008 by cisco Systems, Inc.  
Compiled <date> <time> by <person>
```

**Step 4** Press **Return** to bring up the **VG>** prompt:

```
flashfs[4]: Initialization complete.  
VG>
```

**Step 5** Enter privileged EXEC mode:

```
VG> enable  
VG#
```

**Step 6** Continue with the “Performing the Initial Configuration” section on page 15.

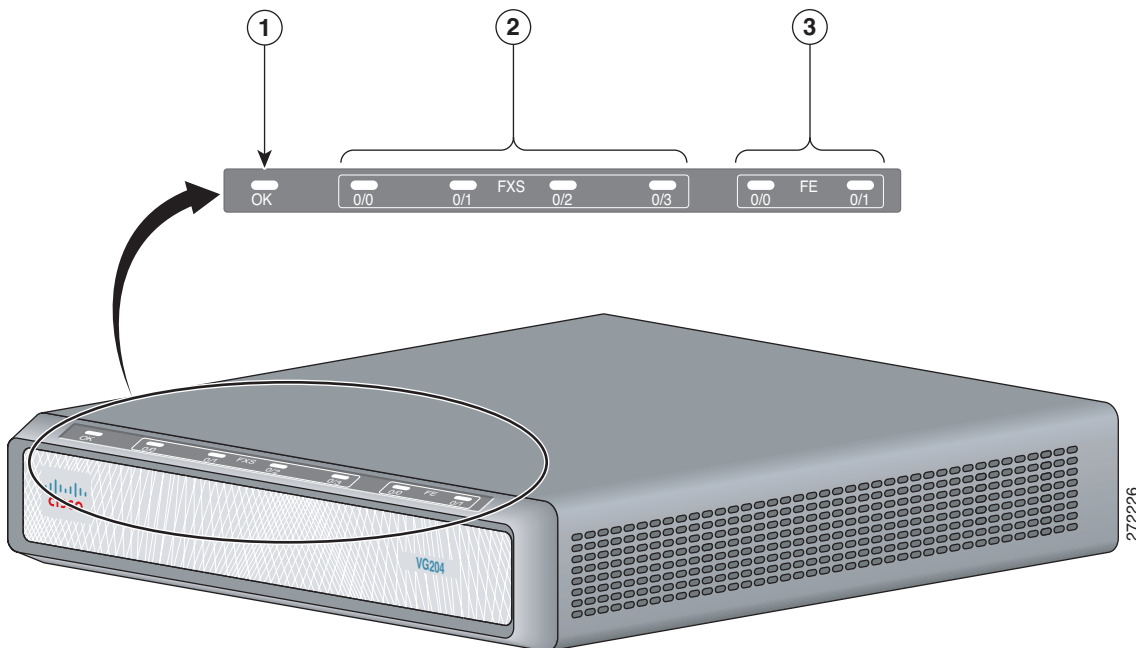
## LEDs

Figure 10 shows the LED functions of the Cisco VG202 and Cisco VG204 chassis.



**Note** LEDs on the Cisco VG202 and Cisco VG204 voice gateways are the same; however, the Cisco VG202 voice gateway has LEDs for only two FXS ports.

**Figure 10** Cisco VG202 and Cisco VG204 Voice Gateway LEDs (Cisco VG204 Shown)



No.	LED/Color	Description
1	PWR OK—green	Off—no power Steady on—normal operation Slow blink—bootup phase or in ROMMON monitor mode
2	FXS ports 0 through 3—green	Off—On hook Steady On—Off hook
3	FE ports 0 to 1—green	Off—No link Steady on—link Blinking—TXD/RXD data

## 10 Performing the Initial Configuration

This section shows how to prepare the Cisco VG202 or Cisco VG204 voice gateway to perform basic communication functions. You may initially configure your voice gateway by using the Cisco IOS command-line interface (CLI) or by using the setup command facility. To create the initial configuration, the setup command facility prompts you for basic information about your voice gateway and network.

### Cisco IOS CLI

To configure the initial voice gateway settings by using the Cisco IOS CLI, follow these steps:

**Step 1** Set up a console connection to your voice gateway. The following message is displayed:

```
...
voice gateway con0 is now available
```

**Step 2** Press **Return** or **Enter**. The following message is displayed:

```
Cisco Configuration Professional Express (Cisco CP Express) is installed on this device.
This feature requires the one-time use of the username "cisco"
with the password "cisco." The default username and password have a privilege level of 15.
```

```
Please change these publicly known initial credentials using Cisco CP Express or the Cisco IOS CLI.
```

```
Here are the Cisco IOS commands.
```

```
username <myuser> privilege 15 secret 0 <mypassword>
no username cisco
```

```
Replace <myuser> and <mypassword> with the username and password you want to use.
```

```
For more information about Cisco CP Express, please follow the instructions in the QUICK START GUIDE for
your voice gateway...
```

```
...
User Access Verification
Username:
```

**Step 3** Enter the username *cisco*, and press **Return** or **Enter**. The following prompt is displayed:

```
Password:
```

**Step 4** Enter the password *cisco*, and press **Return** or **Enter**. The following prompt is displayed:

```
VG#
```

A message is displayed that directs you to change the username and password.

You are now in privileged EXEC mode.



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**Note** You **must** change the username and password before you log off the voice gateway. You cannot use the username *cisco* or password *cisco* after you log off from this session.

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**Step 5** To change the username and password, enter the following at the prompt:

```
username username privilege 15 secret 0 password
```

Where *username* and *password* are the username and password that you wish to use.



---

**Note** Use the **copy running-config startup-config** command at the privileged EXEC mode prompt (VG#) to save the configuration to NVRAM.

---

**Step 6** Verify the initial configuration. See the “Verifying and Saving Your Configuration” section on page 18.

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## Setup Command Facility

The setup command facility guides you through the configuration process by prompting you for the specific information that is needed to configure your system. Use the setup command facility to configure a hostname for the voice gateway, to set passwords, and to configure an interface for communication with the management network.

To use the setup command facility, you will need to set up a console connection with the voice gateway and enter privileged EXEC mode.

To configure the initial voice gateway settings by using the setup command facility, follow these steps:

---

**Step 1** Set up a console connection to your voice gateway and enter privileged EXEC mode. For instructions on how to enter privileged EXEC mode see Step 1 through Step 4 in the “Cisco IOS CLI” section on page 15.

**Step 2** In privileged EXEC mode, at the prompt, enter the setup command facility.

```
yourname# setup
```

The following message is displayed:

```
--- System Configuration Dialog ---
```

```
Continue with configuration dialog? [yes/no]:
```

You are now in setup command facility.

The prompts in the setup command facility vary, depending on the voice gateway model, on the installed interface modules, and on the software image. The following steps and the user entries (in bold) are shown as examples only.



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**Note** If you make a mistake while using the setup command facility, you can exit and run the setup command facility again. Press **Ctrl-C**, and enter the **setup** command at the privileged EXEC mode prompt (VG#).

---

**Step 3** To proceed using the setup command facility, enter **yes**:

```
Continue with configuration dialog? [yes/no]: yes
```

**Step 4** When the following messages appear, enter **yes** to enter basic management setup:

```
At any point you may enter a question mark '?' for help.  
Use ctrl-c to abort configuration dialog at any prompt.
```

```
Default settings are in square brackets '['].
```

```
Basic management setup configures only enough connectivity  
for management of the system, extended setup will ask you  
to configure each interface on the system
```



Would you like to enter basic management setup? [yes/no]: **yes**

**Step 5** Enter a hostname for the voice gateway (this example uses VG):

Configuring global parameters:  
Enter host name [VG]: **VG**

**Step 6** Enter an enable secret password. This password is encrypted (more secure) and cannot be seen when viewing the configuration.

The enable secret is a password used to protect access to privileged EXEC and configuration modes. This password, after entered, becomes encrypted in the configuration.  
Enter enable secret: **xxxxxxx**

**Step 7** Enter an enable password that is different from the enable secret password. This password is not encrypted (less secure) and can be seen when viewing the configuration.

The enable password is used when you do not specify an enable secret password, with some older software versions, and some boot images.  
Enter enable password: **xxxxxxx**

**Step 8** Enter the virtual terminal password, which prevents unauthenticated access to the voice gateway through ports other than the console port:

The virtual terminal password is used to protect access to the voice gateway over a network interface.  
Enter virtual terminal password: **xxxxxxx**

**Step 9** Respond to the following prompts as appropriate for your network:

Configure SNMP Network Management? [yes]:  
Community string [public]:

A summary of the available interfaces is displayed.

**Step 10** Choose one of the available interfaces for connecting the voice gateway to the management network:

Enter interface name used to connect to the management network from the above interface summary: fastethernet0/0

**Step 11** Respond to the following prompts as appropriate for your network:

Configuring interface FastEthernet0/0:  
Use the 100 Base-TX (RJ-45) connector? [yes]: **yes**  
Operate in full-duplex mode? [no]: **yes**  
Configure IP on this interface? [yes]: **yes**  
IP address for this interface: **172.1.2.3**  
Subnet mask for this interface [255.255.0.0] : **255.255.0.0**  
Class B network is 172.1.0.0, 26 subnet bits; mask is /16

The configuration is displayed:

The following configuration command script was created:

```
hostname VG
enable secret 5 $1$D5P6$PYx41/lQIASK.HcSbf05q1
enable password xxxxxx
line vty 0 4
password xxxxxx
snmp-server community public
!
no ip routing
!
interface FastEthernet0/0
no shutdown
speed 100
duplex auto
ip address 172.1.2.3 255.255.0.0
```

!

**Step 12** Respond to the following prompts. Enter 2 to save the initial configuration.

```
[0] Go to the IOS command prompt without saving this config.
[1] Return if possible to the setup without saving this config.
[2] Save this configuration to nvram and exit.

Enter your selection [2]: 2
Building configuration...
Use the enabled mode 'configure' command to modify this configuration.

Press RETURN to get started! RETURN

The user prompt is displayed.
VG>
```


**Step 13** Verify the initial configuration. See the “Verifying and Saving Your Configuration” section on page 18 for the verification procedure.

---

After creating the initial configuration file, you can use the Cisco IOS CLI to perform further configuration.

## 11 Verifying and Saving Your Configuration

To verify the configuration and save it in NVRAM so that the configuration remains in effect if the voice gateway is restarted, enter the following commands:

	Command	Description
<b>Step 1</b>	VG# <b>show running-config</b>	Displays the current operating configuration, including any changes you have made.
<b>Step 2</b>	VG# <b>show startup-config</b>	Displays the configuration currently stored in NVRAM.
<b>Step 3</b>	VG# <b>show voice port summary</b>	Displays the voice port parameter settings.
<b>Step 4</b>	VG# <b>copy running-config startup-config</b>	Writes the current running configuration to NVRAM, where it overwrites the startup configuration and becomes the new startup configuration.   <b>Note</b> If you reboot the Cisco VG204 router or turn off the power before you complete this step, you lose the configuration.

## 12 Obtaining Documentation, Obtaining Support, and Security Guidelines

For information on obtaining documentation, obtaining support, providing documentation feedback, security guidelines, and also recommended aliases and general Cisco documents, 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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