



Powering On the Cisco VG224 Voice Gateway

To power on your Cisco VG224 voice gateway, perform the following tasks in the order listed, as required:

- [Checklist for Power-On, page 4-1](#)
- [Power-On Procedure, page 4-1](#)
- [Initial Configuration Procedures, page 4-2](#)
- [Troubleshooting, page 4-4](#)

Checklist for Power-On

You can power on a Cisco VG224 voice gateway if it meets the requirements described in [Chapter 3](#), “Installing the Cisco VG224 Voice Gateway”:

- The chassis is securely mounted.
- Power cable is connected.
- Interface cables are connected.

Power-On Procedure

Perform this procedure to power on your Cisco VG224 voice gateway and verify that it goes through its initialization and self-test. When this is finished, the Cisco VG224 voice gateway is ready to configure.

To power on the Cisco VG224 voice gateway, follow this procedure:

Step 1 Power on your terminal or PC, and configure it for 9600 bps, 8 data bits, 1 stop bit, and no parity.

Step 2 Move the Cisco VG224 voice gateway power switch to the ON position.

The green LED next to the auxiliary port should come on and the fan should operate. If this does not happen, see the [“Troubleshooting” section on page 4-4](#).

The following message is displayed at the end of the boot-up messages:

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

Step 3 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 4 Press **Return** to terminate autoinstall and continue with manual configuration.

Several messages are displayed, ending with a line similar to the following:

```
...
Copyright (c) 1986-2003 by cisco Systems, Inc.
Compiled <date> <time> by <person>
```

Step 5 Press **Return** to bring up the `Router>` prompt:

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

Step 6 Enter privileged EXEC mode:

```
Router> enable
Router#
```

Step 7 Continue with the next section, “[Initial Configuration Procedures](#).”



Note

If the `rommon 1>` prompt appears, your system has booted in ROM monitor mode. For information on the ROM monitor, refer to the router rebooting and ROM monitor information in the *Cisco IOS Configuration Fundamentals Configuration Guide* for your Cisco IOS software release.

Initial Configuration Procedures

Manual Configuration

To configure the Cisco VG224 voice gateway from a console (locally or remotely), refer to the *Cisco VG224 Voice Gateway Software Configuration Guide* for the configuration instructions. To configure it remotely through Telnet, continue to the “[Setting the Fast Ethernet Port IP Address](#)” section on page 4-3 to set an Ethernet or Fast Ethernet (10/100BASE-T) port IP address.

For information about obtaining any referenced documentation, see the “[Obtaining Technical Assistance](#)” section on page xvi.

This section shows how to prepare the Cisco VG224 voice gateway to perform basic communication functions through its 10/100BASE-T interfaces.



Note

The Console port is above the AUX port.

Perform the following initial configuration procedures, as applicable:

- [Getting Your Network Information, page 4-3](#)
- [Setting the Fast Ethernet Port IP Address, page 4-3](#)
- [Verifying and Saving Your Configuration, page 4-4](#)

Getting Your Network Information

Before you begin the configuration process, get the IP address for the 10/100BASE-T ports.

Setting the Fast Ethernet Port IP Address

To configure the Cisco VG224 voice gateway remotely through a Fast Ethernet connection, connect the 10/100BASE-T port to a live Ethernet connection using a standard Ethernet cable with RJ-45 connectors; then complete this procedure to set the IP address for the port. After setting this address, you can configure the Cisco VG224 voice gateway remotely through a Telnet connection.

	Command	Purpose
Step 1	Router# configure terminal	Enters global configuration mode.
Step 2	Router(config)# enable password <i>password</i>	Sets a password for the privileged EXEC mode.
Step 3	Router(config)# interface FastEthernet 0/0	Enters interface configuration mode.
Step 4	Router(config-if)# ip address <i>IP-address subnet-mask</i>	Enters the IP address and subnet mask for the Fast Ethernet (10/100BASE-T) port.
Step 5	Router(config-if)# no shutdown	Activates the 10/100BASE-T port.
Step 6	Router(config-if)# exit	Returns to global configuration mode.
Step 7	Router(config)# line vty 0 4	Enters line configuration mode.
Step 8	Router(config-line)# password <i>password</i>	Sets a password for remote access to the Cisco VG224.
Step 9	Router(config-line)# end	Returns to privileged EXEC mode.
Step 10	Router# copy system:running-config nvram:startup-config	Saves the configuration.

Verifying and Saving Your Configuration

To verify the configuration and save it in NVRAM so that the configuration remains in effect if the Cisco VG224 is restarted, enter the following commands:

	Command	Purpose
Step 1	Router# show running-config	Displays the current operating configuration, including any changes you have just made.
Step 2	Router# show startup-config	Displays the configuration currently stored in NVRAM.
Step 3	Router# show controller t1 1/0	Displays the configuration of the T1 network interface controller. Slot and port may vary.
Step 4	Router# copy running-config startup-config	Writes the current running configuration to NVRAM, where it overwrites the startup configuration and becomes the new startup configuration. Note If you reboot the Cisco VG224 voice gateway or turn off the power before you complete this step, you lose the configuration.

Troubleshooting

This section describes possible mechanical problems and corrective actions.

If there appears to be a malfunction, first check all cables and connections. If these are in order, see [Table 4-1](#) for specific troubles and solutions.

For problems with the configuration, refer to the [Cisco VG224 Voice Gateway Software Configuration Guide](#) at the following URL:

<http://cisco.com/en/US/docs/routers/access/vg224/software/configuration/guide/scg.html>

Table 4-1 Troubleshooting the Cisco VG224 Voice Gateway

Symptom	Possible Cause	Corrective Action
Power LED and fan are off	Power source switched off	Switch power source on
	Faulty power cable	Check/replace power cable
	Faulty power source	Check/correct input power
	Faulty internal power supply	Contact Cisco ¹ or your Cisco reseller
Power LED on; fan off	Faulty Cisco VG224	Contact Cisco ¹ Technical Service Center or your Cisco reseller
Power LED off; fan on	Faulty Cisco VG224	Contact Cisco ¹ or your Cisco reseller
No initialization response from Cisco VG224	Faulty modem console terminal	Check/replace modem/terminal
	Faulty cabling to terminal	Check/replace cable
	Faulty Cisco VG224	Contact Cisco ¹ or your Cisco reseller
Unit shuts off after operating for some time	Overheating	Check ventilation
	Faulty Cisco VG224	Contact Cisco ¹ or your Cisco reseller
Console screen display freezes	Console fault	Reset/replace console
	Software error	Repeat power-on procedure
	Faulty Cisco VG224	Contact Cisco ¹ or your Cisco reseller

1. See the “Obtaining Technical Assistance” section on page xvi.

