



Preface

This preface discusses the objectives, audience, organization, and conventions of this software configuration guide, and where to get the latest version of this guide.

This preface presents the following major topics:

- [Objectives, page vii](#)
- [Audience, page vii](#)
- [Related and Referenced Documents, page viii](#)
- [Obtaining Documentation, page x](#)
- [Obtaining Technical Assistance, page xi](#)
- [Obtaining Additional Information, page xii](#)

Objectives

After installing the router, use this guide to complete a basic router configuration using the setup command facility. This guide also contains information on using the Cisco IOS software to perform other configuration tasks, such as configuring a Voice-over-IP (VoIP) interface and other features.

This guide does not provide complete configuration instructions. Refer to the Cisco IOS configuration guides and command references for detailed configuration instructions. These publications are available on the Documentation CD-ROM that came with your router and on Cisco.com. See the [“Obtaining Documentation”](#) section on page x for more information.

Audience

This publication is designed for the person who will be responsible for configuring your router. This guide is intended primarily for the following audiences:

- Customers with technical networking background and experience
- System administrators who are familiar with the fundamentals of router-based internetworking, but who might not be familiar with Cisco IOS software
- System administrators who are responsible for installing and configuring internetworking equipment, and who are familiar with Cisco IOS software

Document Organization

The major sections of this document are summarized below:

Chapter	Title	Description
Chapter 1	Understanding Interface Numbering and Cisco IOS Software Basics	Provides an overview of the interface numbering conventions for the Cisco VG224. Also provides a basic understanding of Cisco IOS software.
Chapter 2	Using the setup Command	Describes how to use the setup command facility to configure your router.
Chapter 3	Configuring with the Command-Line Interface	Describes how to use the Cisco IOS software command-line interface (CLI) to configure basic router functionality.
Chapter 4	Configuring Voice over IP	Describes how to configure voice network modules with foreign exchange station (FXS) interfaces for your router.
Appendix A	Cisco VG224 Configuration Example	Provides a variety of configuration examples for the Cisco VG224-24FXS.
Appendix B	Formatting the Compact Flash Memory Cards	Provides configuration information for the Cisco compact flash memory.
Appendix C	Using the ROM Monitor	Describes how the ROM monitor works in the Cisco VG224.

Related and Referenced Documents

The documents described here are available online and on the documentation CD-ROM that you received with your router. To be sure of obtaining the latest information, you should access the online documentation.

To print a document in its original page format, access the online document, and click the PDF icon.

You can also order printed copies of documents. See [“Obtaining Documentation”](#) section on page x.

To Access Online User Documentation (PDF and HTML Formats)

From Cisco.com at <http://www.cisco.com>, under **Service & Support**, select **Technical Documents** and select **Cisco Product Documentation**.

Access User Documentation on the Documentation CD-ROM (HTML format only)

On the Documentation CD-ROM, select **Cisco Product Documentation**.

Paths to specific documents are provided below, starting at **Cisco Product Documentation**.

**Tip**

To navigate up to the next higher level in the documentation hierarchy, click on **CONTENTS** in the navigation bar at the top of each page.

Cisco Product	Document Title
Cisco VG224 Voice Gateway	<ul style="list-style-type: none"> • <i>Cisco 224 Voice Gateway Hardware Installation Guide</i> • <i>Cisco VG224 Regulatory Compliance and Safety Information</i>
Cisco IOS software Note Refer to the modular reference publication that corresponds to the Cisco IOS software release installed on your server.	<ul style="list-style-type: none"> • <i>Cisco IOS Configuration Fundamentals Configuration Guide, Release 12.3(4)T</i> • <i>Cisco IOS Configuration Fundamentals Command Reference, Release 12.3(4)T</i> • <i>Cisco IOS Dial Technologies Configuration Guide, Release 12.3(4)T</i> • <i>Cisco IOS Wide-Area Networking Configuration Guide, Release 12.3(4)T</i> • <i>Cisco IOS IP Configuration Guide, Release 12.3(4)T</i> • <i>Cisco IOS Wide-Area Networking Command Reference, Release 12.3(4)T</i> • <i>Cisco IOS Debug Command Reference,, Release 12.3(4)T</i> • <i>Cisco IOS Software System Error Messages, Release 12.3(4)T</i> • <i>Cisco IOS Software Command Summary, Release 12.3(4)T</i> • <i>Cisco IOS Release Notes for your release</i>
Other documents	<ul style="list-style-type: none"> • Information about TL1 commands can be found in the Telcordia Technology document <i>Network Maintenance: Network Element and Transport Surveillance Messages</i>, GR-833-CORE, Issue 5, November 1996. For a reference of security-related commands (ACT-USER and CANC-USER), refer to Telcordia Technology's <i>Operations Applications Messages-Network Element and Network System Security Admin Messages</i>, TR-NWT-000835, Issue 2, January 1993.

Obtaining Documentation

Cisco provides several ways to obtain documentation, technical assistance, and other technical resources. These sections explain how to obtain technical information from Cisco Systems.

Cisco.com

You can access the most current Cisco documentation on the World Wide Web at this URL:

<http://www.cisco.com/univercd/home/home.htm>

You can access the Cisco website at this URL:

<http://www.cisco.com>

International Cisco websites can be accessed from this URL:

http://www.cisco.com/public/countries_languages.shtml

Documentation CD-ROM

Cisco documentation and additional literature are available in a Cisco Documentation CD-ROM package, which may have shipped with your product. The Documentation CD-ROM is updated regularly and may be more current than printed documentation. The CD-ROM package is available as a single unit or through an annual or quarterly subscription.

Registered Cisco.com users can order a single Documentation CD-ROM (product number DOC-CONDOCCD=) through the Cisco Ordering tool:

http://www.cisco.com/en/US/partner/ordering/ordering_place_order_ordering_tool_launch.html

All users can order annual or quarterly subscriptions through the online Subscription Store:

<http://www.cisco.com/go/subscription>

Click Subscriptions & Promotional Materials in the left navigation bar.

Ordering Documentation

You can find instructions for ordering documentation at this URL:

http://www.cisco.com/univercd/cc/td/doc/es_inpk/pdi.htm

You can order Cisco documentation in these ways:

- Registered Cisco.com users (Cisco direct customers) can order Cisco product documentation from the Networking Products MarketPlace:

<http://www.cisco.com/en/US/partner/ordering/index.shtml>

- Nonregistered Cisco.com users can order documentation through a local account representative by calling Cisco Systems Corporate Headquarters (California, USA) at 408 526-7208 or, elsewhere in North America, by calling 800 553-NETS (6387).

Documentation Feedback

You can submit e-mail comments about technical documentation to bug-doc@cisco.com.

You can submit comments by using the response card (if present) behind the front cover of your document or by writing to the following address:

Cisco Systems
Attn: Customer Document Ordering
170 West Tasman Drive
San Jose, CA 95134-9883

We appreciate your comments.

Obtaining Technical Assistance

For all customers, partners, resellers, and distributors who hold valid Cisco service contracts, the Cisco Technical Assistance Center (TAC) provides 24-hour-a-day, award-winning technical support services, online and over the phone. Cisco.com features the Cisco TAC website as an online starting point for technical assistance. If you do not hold a valid Cisco service contract, please contact your reseller.

Cisco TAC Website

The Cisco TAC website (<http://www.cisco.com/tac>) provides online documents and tools for troubleshooting and resolving technical issues with Cisco products and technologies. The Cisco TAC website is available 24 hours a day, 365 days a year.

Accessing all the tools on the Cisco TAC website requires a Cisco.com user ID and password. If you have a valid service contract but do not have a login ID or password, register at this URL:

<http://tools.cisco.com/RPF/register/register.do>

Opening a TAC Case

Using the online TAC Case Open Tool (<http://www.cisco.com/tac/caseopen>) is the fastest way to open P3 and P4 cases. (P3 and P4 cases are those in which your network is minimally impaired or for which you require product information.) After you describe your situation, the TAC Case Open Tool automatically recommends resources for an immediate solution. If your issue is not resolved using the recommended resources, your case will be assigned to a Cisco TAC engineer.

For P1 or P2 cases (P1 and P2 cases are those in which your production network is down or severely degraded) or if you do not have Internet access, contact Cisco TAC by telephone. Cisco TAC engineers are assigned immediately to P1 and P2 cases to help keep your business operations running smoothly.

To open a case by telephone, use one of the following numbers:

Asia-Pacific: +61 2 8446 7411 (Australia: 1 800 805 227)

EMEA: +32 2 704 55 55

USA: 1 800 553-2447

For a complete listing of Cisco TAC contacts, go to this URL:

<http://www.cisco.com/warp/public/687/Directory/DirTAC.shtml>

TAC Case Priority Definitions

To ensure that all cases are reported in a standard format, Cisco has established case priority definitions.

Priority 1 (P1)—Your network is “down” or there is a critical impact to your business operations. You and Cisco will commit all necessary resources around the clock to resolve the situation.

Priority 2 (P2)—Operation of an existing network is severely degraded, or significant aspects of your business operation are negatively affected by inadequate performance of Cisco products. You and Cisco will commit full-time resources during normal business hours to resolve the situation.

Priority 3 (P3)—Operational performance of your network is impaired, but most business operations remain functional. You and Cisco will commit resources during normal business hours to restore service to satisfactory levels.

Priority 4 (P4)—You require information or assistance with Cisco product capabilities, installation, or configuration. There is little or no effect on your business operations.

Obtaining Additional Information

Information about Cisco products, services, technologies, and networking solutions is available from various online sources.

- Sign up for Cisco e-mail newsletters and other communications at the Cisco Subscription Center at:
<http://www.cisco.com/offer/subscribe>
- Learn about modifications to or updates about Cisco products. Go to the Product Alert Tool to create a profile, and then choose those products for which you want to receive information. Go to:
<http://tools.cisco.com/Support/PAT/do/ViewMyProfiles.do?local=en>
- Order the Cisco Product Quick Reference Guide, a reference tool that includes product overviews, key features, sample part numbers, and abbreviated technical specifications for many Cisco products that are sold through partners. Go to:
<http://www.cisco.com/go/guide>
- Visit the Cisco Services website to learn the latest technical, advanced, and remote services available to increase the operational reliability of your network. Go to:
<http://www.cisco.com/go/services>
- Visit Cisco Marketplace, the company store, for a variety of books, reference guides, documentation, and logo merchandise at:
<http://www.cisco.com/go/marketplace/>
- Purchase a copy of Cisco technical documentation on a DVD, (Cisco Product Documentation DVD) from the product documentation store at:
<http://www.cisco.com/go/marketplace/docstore>
- Obtain general networking, training, and certification titles from Cisco Press publishers at:
<http://www.ciscopress.com>
- Read the Internet Protocol Journal, a quarterly journal published by Cisco for engineering professionals who design, develop, and operate internets and intranets. Go to:
<http://www.cisco.com/ipj>

- *What's New in Cisco Product Documentation* is an online publication that provides information about the latest documentation releases for Cisco products. Updated monthly, this online publication is organized by product category:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

- Access international Cisco websites at:

http://www.cisco.com/public/countries_languages.shtml

