



## About This Guide

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This preface discusses the objectives, audience, organization, and conventions of this hardware configuration guide.

## Objectives

This publication describes the Cisco Voice Gateway 200 (VG200) hardware and will step you through the initial site preparation and installation of the gateway. Troubleshooting, maintenance procedures, and cable specifications are also provided.

Although this document provides minimum software configuration information, it is not meant as a set of comprehensive gateway configuration instructions. For detailed software configuration information, refer to the Cisco IOS configuration guide and command reference publications. These publications are available on the Documentation CD-ROM that came with your gateway, or you can order printed copies. See the “Documentation CD-ROM” section on page xiii.

## Audience

This publication is designed for the person installing the gateway, who should be familiar with electronic circuitry and wiring practices and have experience as an electronic or electromechanical technician.

# Organization

The major sections of this hardware configuration guide are as follows:

| Chapter    | Title                            | Description  |
|------------|----------------------------------|--|
| Chapter 1  | Overview                         | Discusses the features and specifications of this gateway.   |
| Chapter 2  | Preparing to Install the Gateway | Discusses environmental requirements, safety recommendations, and describes the various ports and how to prepare for connections between networks and ports.           |
| Chapter 3  | Installing the Gateway           | Includes basic installation information and discusses making connections to your LAN and console terminal.   |
| Appendix A | Troubleshooting the Gateway      | Discusses how to isolate problems and read the LEDs.   |
| Appendix B | Maintaining the Gateway          | Discusses selected maintenance procedures.   |
| Appendix C | Using the ROM Monitor            | Describes the ROM monitor (also called the bootstrap program). Use the ROM monitor to isolate or rule out hardware problems encountered when you install your gateway. |

## Conventions

This publication uses the following conventions to convey instructions and information:

| Convention                  | Description   |
|-----------------------------|---|
| <b>boldface font</b>        | Commands and keywords.  |
| <i>italic font</i>          | Variables for which you supply values.  |
| [ ]                         | Keywords or arguments that appear within square brackets are optional.  |
| {x   y   z}                 | A choice of required keywords appears in braces separated by vertical bars. You must select one.                        |
| screen font                 | Examples of information displayed on the screen.  |
| <b>boldface screen font</b> | Examples of information you must enter.   |
| < >                         | Nonprinting characters, for example, passwords, appear in angle brackets.   |
| [ ]                         | Default responses to system prompts appear in square brackets.  |
| Note                        | Means <i>reader take note</i> . Notes contain helpful suggestions or references to additional information and material. |



### Timesaver

**Timesaver** This symbol means *the described action saves time*. You can save time by performing the action described in the paragraph.



### Caution

This symbol means *reader be careful*. In this situation, you might do something that could result in equipment damage or loss of data.

**Warning**

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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. To see translations of the warnings that appear in this publication, refer to the Regulatory Compliance and Safety Information document that accompanied this device.

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## Obtaining Service and Support

For service and support for a gateway purchased from a reseller, contact the reseller. Resellers offer a wide variety of Cisco service and support programs, which are described in the information packet that shipped with your gateway.

**Note**

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If you purchased your gateway from a reseller, you can also access Cisco Connection Online (CCO) as a guest. CCO is Cisco Systems' primary, real-time support channel. Your reseller offers programs that include direct access to CCO's services.

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For service and support for a gateway purchased directly from Cisco, use CCO.

## Cisco Connection Online

Cisco Connection Online (CCO) is Cisco Systems' primary, real-time support channel. Maintenance customers and partners can self-register on CCO to obtain additional information and services.

Available 24 hours a day, 7 days a week, CCO provides a wealth of standard and value-added services to Cisco's customers and business partners. CCO services include product information, product documentation, software updates, release notes, technical tips, the Bug Navigator, configuration notes, brochures, descriptions of service offerings, and download access to public and authorized files.

CCO serves a wide variety of users through two interfaces that are updated and enhanced simultaneously: a character-based version and a multimedia version that resides on the World Wide Web (WWW). The character-based CCO supports Zmodem, Kermit, Xmodem, FTP, and Internet e-mail, and it is excellent for quick access to information over lower bandwidths. The WWW version of CCO provides richly formatted documents with photographs, figures, graphics, and video, as well as hyperlinks to related information.

You can access CCO in the following ways:

- WWW: <http://www.cisco.com>
- WWW: <http://www-europe.cisco.com>
- WWW: <http://www-china.cisco.com>
- Telnet: [cco.cisco.com](http://cco.cisco.com)
- Modem: From North America, 408 526-8070; from Europe, 33 1 64 46 40 82. Use the following terminal settings: VT100 emulation; databits: 8; parity: none; stop bits: 1; and connection rates up to 28.8 kbps.

For a copy of CCO's Frequently Asked Questions (FAQ), contact [cco-help@cisco.com](mailto:cco-help@cisco.com). For additional information, contact [cco-team@cisco.com](mailto:cco-team@cisco.com).

**Note**

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If you are a network administrator and need personal technical assistance with a Cisco product that is under warranty or covered by a maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 553-2447, 408 526-7209, or [tac@cisco.com](mailto:tac@cisco.com). To obtain general information about Cisco Systems, Cisco products, or upgrades, contact 800 553-6387, 408 526-7208, or [cs-rep@cisco.com](mailto:cs-rep@cisco.com).

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## Documentation CD-ROM

Cisco documentation and additional literature are available in a CD-ROM package, which ships with your product. The Documentation CD-ROM, a member of the Cisco Connection Family, is updated monthly. Therefore, it might

be more current than printed documentation. To order additional copies of the Documentation CD-ROM, contact your local sales representative or call customer service. The CD-ROM package is available as a single package or as an annual subscription. You can also access Cisco documentation on the World Wide Web at <http://www.cisco.com>, <http://www-china.cisco.com>, or <http://www-europe.cisco.com>.

If you are reading Cisco product documentation on the World Wide Web, you can submit comments electronically. Click **Feedback** in the toolbar and select **Documentation**. After you complete the form, click **Submit** to send it to Cisco. We appreciate your comments.