



Preface

This describes the objectives, audience, organization and conventions of this guide, and describes related documents.

These topics are discussed:

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- [Audience, page 1](#)
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Objectives

This guide provides an overview and explains how to install, connect, and perform initial configuration for the Cisco 2010 Connected Grid Routers.

For warranty, service, and support information, see the “Cisco Warranty Terms” section in the *Readme First* for the Cisco CGR 2010 document that was shipped with your router.

Audience

This documentation is designed for the person installing, configuring, and maintaining the router, who should be familiar with electronic circuitry and wiring practices and has experience as an electronic or electromechanical technician. It identifies certain procedures that should be performed only by trained and qualified personnel.

Organization

This guide includes the following sections:

Chapter	Title	Description
1	Overview of the Router, page 5	Describes the chassis views, information for locating the serial number, PID ¹ , and UDI ² , general hardware features, slot, port, and interface information, and LED indicators,
2	Preparing for Router Installation, page 17	Describes site requirements and equipment needed to install the routers.
3	Installing and Connecting the Router, page 27	Provides information about mounting the router in a rack and connecting the cables needed to install your Cisco CGR 2010 router, including how to connect AC and DC power to the router.

Chapter	Title	Description
4	Configuring the Router, page 59	Describes how to configure your Cisco CGR 2010.
5	Installing and Upgrading Internal Modules, page 81	Describes how to connect your Cisco CGR 2010 to SFP modules, single-wide and double-wide GRWICS, and to networks and external devices.
¹ PID = product ID. ² UID = universal device identifier.		

Conventions

This document uses the following conventions: This document uses the following conventions.

Conventions	Indication
bold font	Commands and keywords and user-entered text appear in bold font .
<i>italic font</i>	Document titles, new or emphasized terms, and arguments for which you supply values are in <i>italic font</i> .
[]	Elements in square brackets are optional.
{x y z }	Required alternative keywords are grouped in braces and separated by vertical bars.
[x y z]	Optional alternative keywords are grouped in brackets and separated by vertical bars.
string	A nonquoted set of characters. Do not use quotation marks around the string or the string will include the quotation marks.
<code>courier font</code>	Terminal sessions and information the system displays appear in courier font.
< >	Nonprinting characters such as passwords are in angle brackets.
[]	Default responses to system prompts are in square brackets.
!, #	An exclamation point (!) or a pound sign (#) at the beginning of a line of code indicates a comment line.

Note: Means *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.

Caution: Means *reader be careful*. In this situation, you might perform an action that could result in equipment damage or loss of data.

Warning: IMPORTANT SAFETY INSTRUCTIONS

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.

SAVE THESE INSTRUCTIONS

Regulatory: Provided for additional information and to comply with regulatory and customer requirements.

Access the [Connected Grid Router 2000 Series Regulatory Compliance and Safety Information](#).

Warning: 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

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

Searching for Cisco Documents

To search a HTML document using a web browser, press **Ctrl-F** (Windows) or **Cmd-F** (Apple). In most browsers, the option to search whole words only, invoke case sensitivity, or search forward and backward is also available.

To search a PDF document in Adobe Reader, use the basic Find toolbar (**Ctrl-F**) or the Full Reader Search window (**Shift-Ctrl-F**). Use the Find toolbar to find words or phrases within a specific document. Use the Full Reader Search window to search multiple PDF files simultaneously and to change case sensitivity and other options. Adobe Reader online help has more information about how to search PDF documents.

Communications, Services, and Additional Information

- To receive timely, relevant information from Cisco, sign up at [Cisco Profile Manager](#).
- To get the business impact you're looking for with the technologies that matter, visit [Cisco Services](#).
- To submit a service request, visit [Cisco Support](#).
- To discover and browse secure, validated enterprise-class apps, products, solutions and services, visit [Cisco Marketplace](#).
- To obtain general networking, training, and certification titles, visit [Cisco Press](#).
- To find warranty information for a specific product or product family, access [Cisco Warranty Finder](#).

Cisco Bug Search Tool

[Cisco Bug Search Tool](#) (BST) is a web-based tool that acts as a gateway to the Cisco bug tracking system that maintains a comprehensive list of defects and vulnerabilities in Cisco products and software. BST provides you with detailed defect information about your products and software.

