



About This Guide

This section describes the objectives, audience, organization, and conventions of this hardware installation guide.



Note

Use this document with the documents listed in the “[Related Documentation](#)” section on [page 3](#).

This section contains the following topics:

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Document Revision History

The Document Revision History table below records technical changes to this guide. The table shows the document revision number for the change, the date of the change, and a brief summary of the change. Not all Cisco documents use a Document Revision History table.

Revision	Date	Change Summary
OL-23778-01	October 2011	Initial version of the document.
OL-23778-01	February 2012	Updated T1/E1 Interface LEDs section in the Troubleshooting chapter.

Objectives

This guide explains how to install, maintain, and troubleshoot your router hardware.

It provides the minimum software configuration information. For the detailed configuration procedures, see the Cisco IOS configuration guide and command reference publications. For more information, see the “[Obtaining Documentation, Obtaining Support, and Security Guidelines](#)” section on page 4.

Warranty, service, and support information is in the *Cisco Information Packet* that is shipped with your router.

Audience

This guide is designed for personnel who install, configure, and maintain the router. These persons should be familiar with electronic circuitry and wiring practices and be experienced electronic or electromechanical technicians. This guide identifies certain procedures that should be performed only by trained and qualified personnel.

Organization

Chapter	Title	Description
Chapter 1	Introduction	Describes the hardware features and specifications of the routers.
Chapter 2	Preparing to Install the Router	Describes safety recommendations, site requirements, network connection considerations, required tools and equipment, and provides the installation checklist.
Chapter 3	Installing the Cisco ASR 901 Mobile Wireless Router	Includes router installation information, and shows how to connect the router console port.
Appendix A	Troubleshooting	Describes how to isolate problems, read LEDs, interpret error and status messages, and recover software images.
Appendix B	Cable Specifications	Provides cable specifications to use if you plan to build your own cables.
Appendix C	Site Log	Provides example site log.

Conventions



Note

Means *reader take note*.



Tip

Means *the following information will help you solve a problem*.



Caution

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

Safety Warnings

Safety warnings appear throughout this publication in procedures that, if performed incorrectly, might harm you. A warning symbol precedes each warning statement. The safety warnings provide safety guidelines that you should follow when working with any equipment that connects to electrical power or telephone wiring. Warnings are translated into several languages. (For information about compliance guidelines and translated safety warnings, refer to *Cisco Regulatory Compliance and Safety Information for the Cisco ASR 901 Router*.)



Warning

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

SAVE THESE INSTRUCTIONS

Related Documentation

For additional information about the Cisco ASR 901 router, refer to the following documents:

- *Cisco Regulatory Compliance and Safety Information for Cisco ASR 901 Series Aggregation Services Router*
- *Cisco ASR 901 Series Aggregation Services Router Software Configuration Guide*
- *Cisco ASR 901 Series Aggregation Services Router Command Reference*
- *Release Notes for Cisco ASR 901 Series Aggregation Services Router*

To access the related documentation on Cisco.com, go to:

http://www.cisco.com/en/US/partner/products/ps12077/tsd_products_support_series_home.html

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>