



About This Guide

This preface discusses the audience, organization, and conventions of the *Cisco MC3810 Multiservice Access Concentrator Software Configuration Guide*. This preface also provides instructions for obtaining additional information.

This publication is intended for systems administrators and network engineers who are configuring and maintaining the Cisco MC3810 software and who are familiar with the following:

- Cisco IOS software and configuring Cisco routers
- IP routing concepts, technology, and terminology
- Frame Relay concepts, technology, and terminology
- Voice concepts, technology, and terminology
- LAN and WAN protocols
- Asynchronous Transfer Mode (ATM) switch technology and Cisco StrataCom products
- Simple Network Management Protocol (SNMP) and Management Information Base (MIB) concepts
- Network management systems (for example, StrataView Plus and HP OpenView)

The major sections of this software configuration guide are:

Chapter/ Appendix	Title	Description
Chapter 1	Cisco IOS Software Basic Skills	Briefly describes how to navigate Cisco IOS software.
Chapter 2	Initial Configuration	Describes how to start your system for the first time, configure ports, save configuration changes, and verify network connectivity.
Chapter 3	Serial Port and T1/E1 Trunk Configuration	Describes how to configure the serial ports and the T1/E1 trunk on the Cisco MC3810.
Chapter 4	Configuring Synchronized Clocking	Describes how to configure synchronized clocking on the Cisco MC3810.
Chapter 5	Configuring Voice over Frame Relay	Describes how to configure voice traffic over a Frame Relay WAN backbone.
Chapter 6	Configuring Voice over ATM	Describes how to configure voice traffic over an ATM WAN backbone.
Chapter 7	Configuring Frame Relay–ATM Interworking	Describes how to configure Frame Relay–ATM Interworking.
Chapter 8	Configuring Voice over HDLC	Describes how to configure voice traffic over a High-Level Data Link Control (HDLC) serial line.

Chapter/ Appendix	Title	Description
Chapter 9	Voice Dial Plan Considerations	Provides information on different strategies for planning voice dial plans.
Chapter 10	Configuring Voice Ports	Describes how to configure voice ports on the Cisco MC3810.
Chapter 11	Configuring Support for PBX Signaling Formats	Describes how to configure signaling formats to enable connections from the Cisco MC3810 to the PBX.
Chapter 12	Configuring the Cisco MC3810 to Compile Call Detail Records	Describes how to configure the Cisco MC3810 to compile voice Call Detail Records.
Chapter 13	Configuring Video Support	Describes how to configure support for streaming video traffic.
Appendix A	Booting in ROM Monitor Mode	Describes how to boot the Cisco MC3810 in ROM monitor mode.
Appendix B	Planning Forms	Provides planning forms for voice ports and dial peers.

Conventions

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

Table 1 Document Conventions

Convention	Description
boldface font	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.
boldface screen font	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 *reader take note*. Notes contain helpful suggestions or references to material not covered in the manual.



Timesaver

Means *the described action saves time*. You can save time by performing the action described in the paragraph.



Tip

Means *the following information will help you solve a problem*. The tips information might not be troubleshooting or even an action, but could be useful information, similar to a Timesaver.

**Caution**

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

Additional Documentation

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>.

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For Service and Support

If you purchased the Cisco MC3810 directly from Cisco, you can access Cisco Connection Online (CCO). If the product is under warranty or covered by a Cisco maintenance contract, contact Cisco's Technical Assistance Center (TAC) at 800 533-2447, 408 526-7209, or tac@cisco.com.

If you purchased the Cisco MC3810 from a reseller, contact the reseller. The information packet included with your unit describes the Cisco service and support programs available to you. Your reseller offers programs that allow you to access CCO as a guest.

