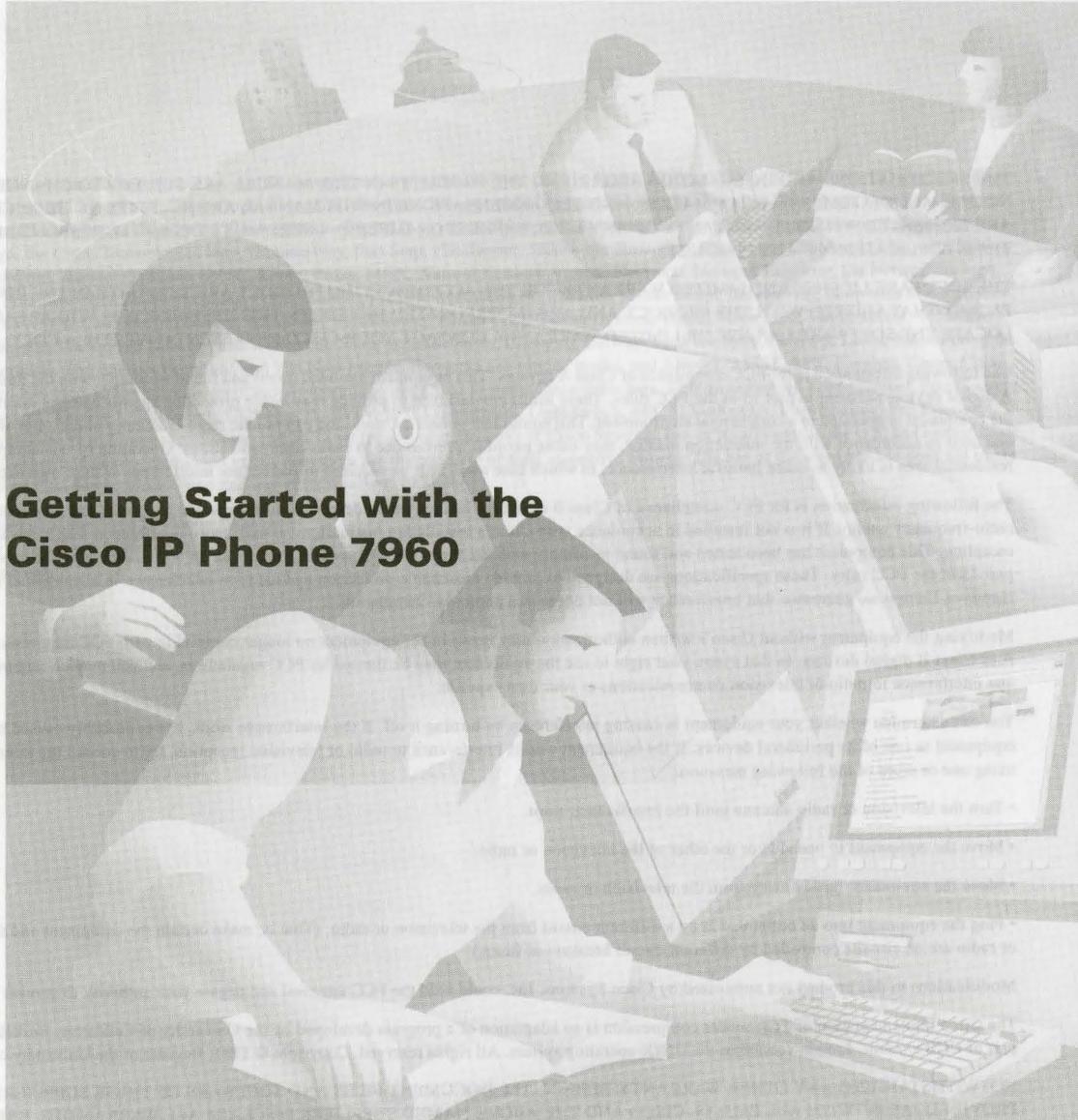


Getting Started with the Cisco IP Phone 7960

Documentation also available
on CD-ROM and the World Wide Web





Getting Started with the Cisco IP Phone 7960

Corporate Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel 408 526-4000
800 553-NETS 6387)
Fax: 408 526-4100

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The following information is for FCC compliance of Class A devices: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio-frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case users will be required to correct the interference at their own expense.

The following information is for FCC compliance of Class B devices: The equipment described in this manual generates and may radiate radio-frequency energy. If it is not installed in accordance with Cisco's installation instructions, it may cause interference with radio and television reception. This equipment has been tested and found to comply with the limits for a Class B digital device in accordance with the specifications in part 15 of the FCC rules. These specifications are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation.

Modifying the equipment without Cisco's written authorization may result in the equipment no longer complying with FCC requirements for Class A or Class B digital devices. In that event, your right to use the equipment may be limited by FCC regulations, and you may be required to correct any interference to radio or television communications at your own expense.

You can determine whether your equipment is causing interference by turning it off. If the interference stops, it was probably caused by the Cisco equipment or one of its peripheral devices. If the equipment causes interference to radio or television reception, try to correct the interference by using one or more of the following measures:

- Turn the television or radio antenna until the interference stops.
- Move the equipment to one side or the other of the television or radio.
- Move the equipment farther away from the television or radio.
- Plug the equipment into an outlet that is on a different circuit from the television or radio. (That is, make certain the equipment and the television or radio are on circuits controlled by different circuit breakers or fuses.)

Modifications to this product not authorized by Cisco Systems, Inc. could void the FCC approval and negate your authority to operate the product.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Access Registrar, AccessPath, Any to Any, AtmDirector, Browse with Me, CCDA, CCDE, CCDP, CCIE, CCNA, CCNP, CCSI, CD-PAC, the Cisco logo, Cisco Certified Internetwork Expert logo, *CiscoLink*, the Cisco Management Connection logo, the Cisco NetWorks logo, the Cisco Powered Network logo, Cisco Systems Capital, the Cisco Systems Capital logo, Cisco Systems Networking Academy, the Cisco Systems Networking Academy logo, the Cisco Technologies logo, ConnectWay, Fast Step, FireRunner, Follow Me Browsing, FormShare, GigaStack, IGX, Intelligence in the Optical Core, Internet Quotient, IP/VC, Kernel Proxy, MGX, Natural Network Viewer, NetSonar, Network Registrar, the Networkers logo, *Packet*, PIX, Point and Click Internetworking, Policy Builder, Precept, RateMUX, ScriptShare, Secure Script, ServiceWay, Shop with Me, SlideCast, SMARTnet, SVX, *The Cell*, TrafficDirector, TransPath, ViewRunner, Virtual Loop Carrier System, Virtual Voice Line, VlanDirector, Voice LAN, Wavelength Router, Workgroup Director, and Workgroup Stack are trademarks; Changing the Way We Work, Live, Play, and Learn, Empowering the Internet Generation, The Internet Economy, and The New Internet Economy are service marks; and Aironet, ASIST, BPX, Catalyst, Cisco, Cisco IOS, the Cisco IOS logo, Cisco Systems, the Cisco Systems logo, the Cisco Systems Cisco Press logo, Enterprise/Solver, EtherChannel, EtherSwitch, FastHub, FastLink, FastPAD, FastSwitch, GeoTel, IOS, IP/TV, IPX, LightStream, LightSwitch, MICA, NetRanger, Post-Routing, Pre-Routing, Registrar, StrataView Plus, Stratm, TeleRouter, and VCO are registered trademarks of Cisco Systems, Inc. or its affiliates in the U.S. and certain other countries. All other trademarks mentioned in this document are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any of its resellers. (0004R)

Getting Started with the Cisco IP Phone 7960

Copyright © 2000, Cisco Systems, Inc.
All rights reserved.

Adjusting the Phone Placement

Adjusting Phone Placement on the Desktop

Mounting the Phone to the Wall

Verifying the Startup Process

Using Your Cisco IP Phone 7960 13

Accessing Online Help 13

How to Use the Handset, Speakerphone, and Headset 14

Using the Handset 14

Using the Speakerphone 14

Using the Headset 14

Adjusting the Handset, Headset, and Speakerphone Volume 15

Making Telephone Calls 15

Placing a Call Using a Telephone Number 16

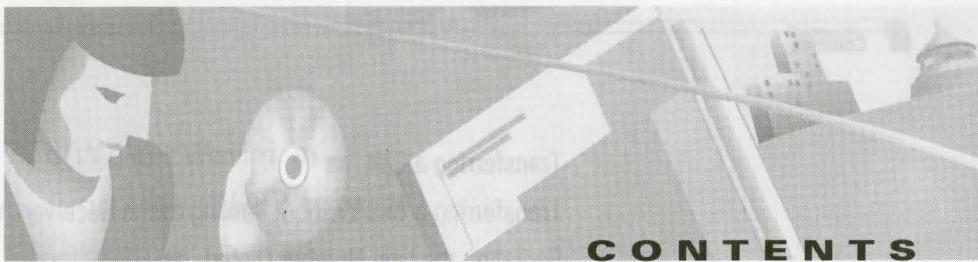
Placing a Call Using an Email Address 16

Answering a Call 17

Ending a Call 17

Muting a Call 17

Placing a Call on Hold 18



CONTENTS

Introducing the Cisco IP Phone 7960 1

Installing the Cisco IP Phone 7960 5

Safety Notices 5

Installing the Phone and Connecting to the Network 7

Using the Phone Placement 8

Using Phone Placement on the Desktop 9

Mounting the Phone to the Wall 9

Verifying the Startup Process 11

Using Your Cisco IP Phone 7960 13

Accessing Online Help 13

How to Use the Handset, Speakerphone and Headset 14

Using the Handset 14

Using the Speakerphone 14

Using the Headset 14

Using the Handset, Headset, and Speakerphone Volume 15

Making Telephone Calls 15

Placing a Call Using a Telephone Number 16

Placing a Call Using an Email Address 16

Answering a Call 17

Ending a Call 17

Muting a Call 17

Placing a Call on Hold 18

Transferring a Call	18
Transferring a Call Without Talking to the Receiver	19
Redialing the Last Number Dialed	19
Parking a Call	19
Making Calls from the Directory	20
Viewing or Dialing Missed Calls	20
Viewing or Dialing Received and Placed Calls	21
Using Call Forwarding	22
Forwarding All Calls	22
Forwarding All Calls When Not At Your Phone	23
Making Conference Calls	24
Placing a Conference Call	24
Conference Call Tips	24
Meet-Me Conference Calls	25
Using Voice Mail	26
Setting Up Voice Mail	26
Accessing Voice Mail	26
Changing Phone Settings	26
Adjusting the Ringer Volume	27
Changing the Ring Sound	27
Changing the LCD Contrast	28
Configuring Speed Dial Buttons	28
Translated Safety Warnings	31
Installation Warning	31
Installation Warning	32
Product Disposal Warning	33
Lightning Activity Warning	34

SELV Circuit Warning	35
Circuit Breaker (15A) Warning	38

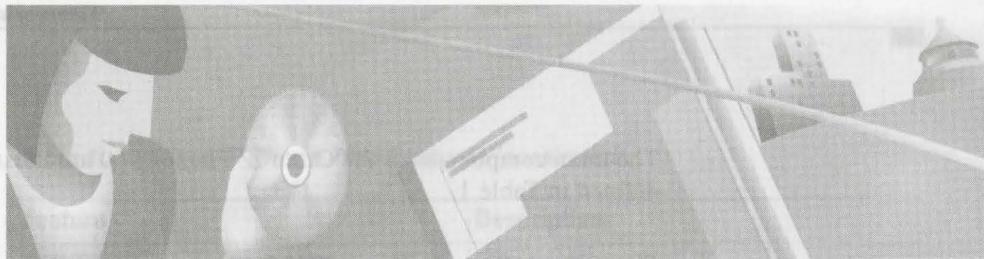
Introducing the Cisco IP Phone 7960

If the documentation does not appear to match the way your phone works, you can read the most current version of the Cisco IP phone documentation at http://www.cisco.com/en/usa/prod/softwrd/prod/cisco_ipphone/index.htm.

The Cisco IP Phone 7960 is a full-feature telephone that provides voice communications over an IP network. The phone functions much like a traditional analog phone allowing you to place and receive telephone calls. The phone also supports features such as call forwarding, roaming, speed dialing, transferring calls, placing conference calls, and accessing voicemail.

There are two versions of the Cisco IP Phone 7960: a version that interacts with Cisco CallManager and a version based on Session Initiation Protocol (SIP). Depending on the version that you are using, certain functions might differ or not be supported on your phone. These differences are noted in the documentation using these icons:

- * The CM icon indicates that the section, or paragraph, only applies to the version of the phone that works with Cisco CallManager. If you are using the Cisco CallManager version of the phone, there is no icon in the upper right corner of the phone screen.
- * The SIP icon indicates that the section, or paragraph, only applies to the version of the phone that is based on SIP. This is the same icon that appears in the upper right corner of the phone screen if you are using a SIP phone.
- * When both the CM and SIP icons appear, the text applies to both versions of the phone. If there is no icon displayed for a section, assume that the text applies to both versions of the phone.



Introducing the Cisco IP Phone 7960



Note

If the documentation does not appear to match the way your phone works, you can read the most current version of the Cisco IP phone documentation at http://www.cisco.com/univercd/cc/td/doc/product/voice/c_ipphon/index.htm.

The Cisco IP Phone 7960 is a full-feature telephone that provides voice communication over an IP network. The phone functions much like a traditional analog phone allowing you to place and receive telephone calls. The phone also supports features such as call forwarding, redialing, speed dialing, transferring calls, placing conference calls, and accessing voice mail.

There are two versions of the Cisco IP Phone 7960: a version that interacts with Cisco CallManager and a version based on Session Initiation Protocol (SIP). Depending on the version that you are using, certain functions might differ or not be supported on your phone. These differences are noted in the documentation using these icons

CM

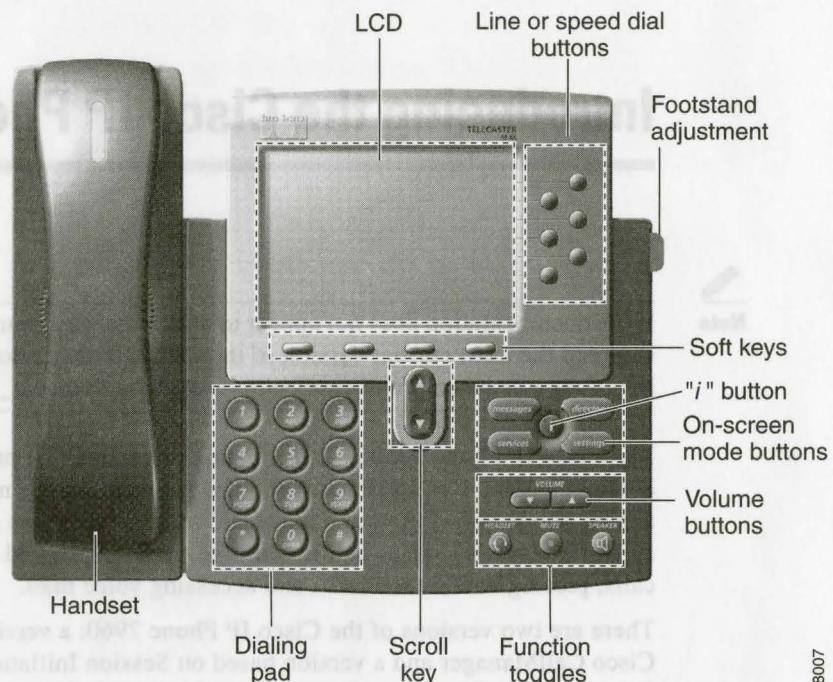
SIP

CM | SIP

- The CM icon indicates that the section, or paragraph, only applies to the version of the phone that works with Cisco CallManager. If you are using the Cisco CallManager version of the phone, there is no icon in the upper right corner of the phone screen.
- The SIP icon indicates that the section, or paragraph, only applies to the version of the phone that is based on SIP. This is the same icon that appears in the upper right corner of the phone screen if you are using a SIP phone.
- When both the CM and SIP icons appear, the text applies to both versions of the phone. If there is no icon displayed for a section, assume that the text applies to both versions of the phone.

The main components of the Cisco IP Phone 7960 are illustrated in Figure 1 and defined in Table 1

Figure 1 Cisco IP Phone 7960 Features



38007

Table 1 Cisco IP Phone 7960 Features

Feature	Description
LCD screen	The IP Phone "desktop" which displays the time, date, your phone number, caller ID, line/call status and the soft key tabs.
Line or speed dial buttons	Open a new line or speed dial the number on the LCD screen.
Footstand adjustment	Adjusts the angle of the phone base.

Table 1 Cisco IP Phone 7960 Features (continued)

Feature	Description
Soft keys	Soft key functions change depending on the status of the phone (for example, whether you are on a call or whether the phone is not in use). The key's current function is shown on the LCD screen.
<i>i</i> button	Displays online help for a phone key or function.
On-screen Mode buttons	Provide access to the voice mail system (when available), call histories, directories (when available), phone settings such as contrast and ring type, plus network configuration and status information.
Volume buttons	Increase or decrease the volume for the currently active voice receiver handset, headset, or speakerphone. The volume keys also control the ringer volume (if on-hook), and the contrast of the LCD
Function toggles	Toggles the headset, mute, and speaker functions on and off
Scroll key	Enables you to move among different soft key options displayed on LCD screen.
Dialing pad	Press the dial pad buttons to dial a phone number. Dial pad buttons work exactly like those on your existing telephone.
Handset	Lift the handset and press the dial pad numbers to place a call, review voice mail messages, answer a call, and so on.

Safety Notices**Warning**

Do not work on the system or connect or disconnect cables during periods of lightning activity.

**Warning**

To avoid electric shock, do not connect safety extra low voltage (SELV) circuits to telephone network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports use RJ-45 connectors. Use caution when connecting cables.

The next warning applies when you use an external power supply

**Warning**

This product relies on the building's installation for short-circuit (over current) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).

**Caution**

The Cisco IP Phone 7960 is inoperable during a power outage if it is not supported by a UPS (uninterrupted power supply) when using either a local transformer or inline power on the LAN. This affects your ability to reach 911

**Caution**

Do not use the Cisco IP Phone 7960 to contact 911 if you are in a remote environment (remote from the Cisco CallManager when using the Cisco CallManager version of the phone, or remote from the switch), as it will provide incorrect location information to the 911 operator.

Installing the Phone and Connecting to the Network



Use this procedure to install the phone on a network that has already been prepared to host the phone.

Before You Begin

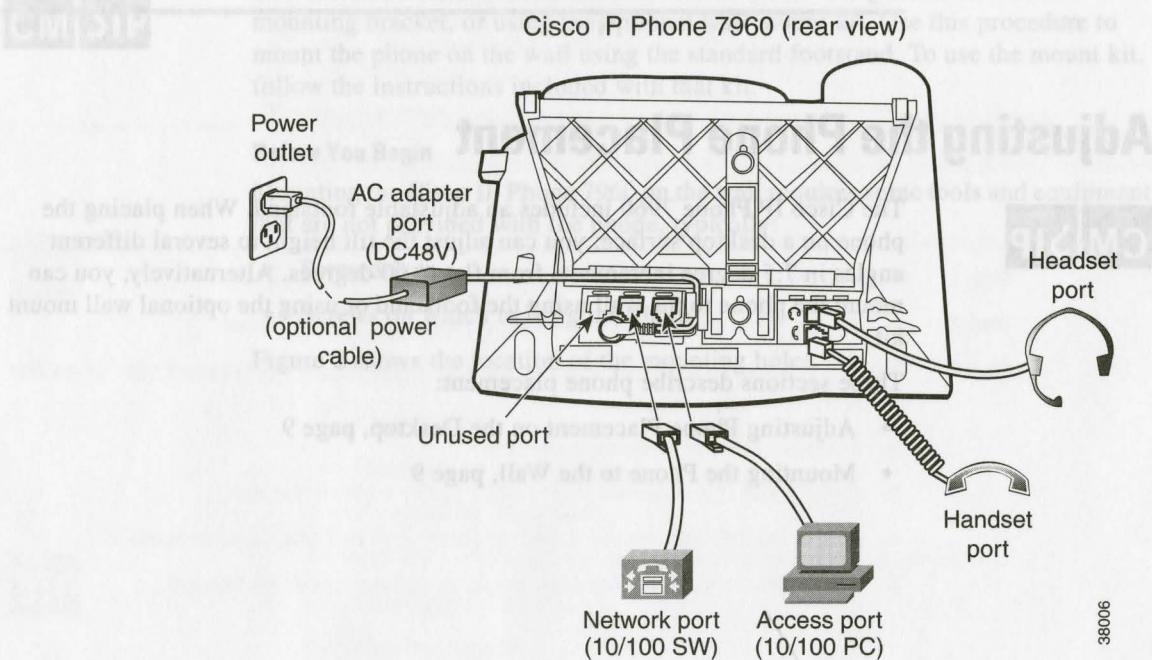
Refer to Figure 1 for an overview about how to connect the Cisco IP Phone 7960 to your PC, network, power, and headset. All ports are located at the rear of the phone base unit.



Note

Read the information in the “Safety Notices” section on page 5 before installing the phone.

Figure 1 Cisco IP Phone 7960 Cable Connections



38006

Procedure

-
- Step 1** Connect a Category 3 or 5 straight-through Ethernet cable from the switch or hub to the 10/100 SW network port on the phone.
- Step 2** Connect the handset and headset to their respective ports.
See the “Using the Headset” section on page 14 for supported headsets
- Step 3** Connect a Category 3 or 5 straight-through Ethernet cable from another network device, such as a desktop computer, to the 10/100 PC access port on the phone (optional)
- Step 4** Connect the power plug to the DC48V AC Adapter port (optional). Ensure that the cord passes through the retainer clips to the right of the 10/100 PC port.
The Cisco IP Phone 7960 can be powered by an external power source, a switching module, or a power patch panel. If you are not sure how your phone is receiving power, ask your system administrator.
-

Adjusting the Phone Placement



The Cisco IP Phone 7960 includes an adjustable footstand. When placing the phone on a desktop surface, you can adjust the tilt height to several different angles in 7.5 degree increments from flat to 60 degrees. Alternatively, you can mount the phone to the wall using the footstand or using the optional wall mount kit.

These sections describe phone placement:

- Adjusting Phone Placement on the Desktop, page 9
- Mounting the Phone to the Wall, page 9

Adjusting Phone Placement on the Desktop



Step 5

Adjust the footstand to the height that makes using the display and buttons most comfortable for you.

(1) Push in the adjustment knob
(2) Turn clockwise
(3) Turn counter-clockwise

Footstand adjustment
clockwise
counter-clockwise

Up
Down

Footstand adjustment
clockwise
counter-clockwise

Up
Down

Footstand adjustment
clockwise
counter-clockwise

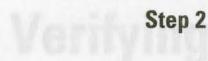
Up
Down

Step 1

Push in the footstand adjustment knob (see Figure 1).

Step 2

Adjust the footstand to its desired height.



Mounting the Phone to the Wall



You can mount the Cisco IP Phone 7960 on a wall using the footstand as a mounting bracket, or using the optional wall mount kit. Use this procedure to mount the phone on the wall using the standard footstand. To use the mount kit, follow the instructions included with that kit.

Before You Begin

Mounting the Cisco IP Phone 7960 on the wall requires some tools and equipment that are not provided with the phone, typically:

- Screwdriver
- Screws on which to hang the phone

Figure 2 shows the location of the mounting holes.



— Connecting

— Registering

— Requesting Template

— Configuring VLAN

— Configuring IP

— Requesting Config

— Connecting

— Registering

— Requesting Template

— Configuring VLAN

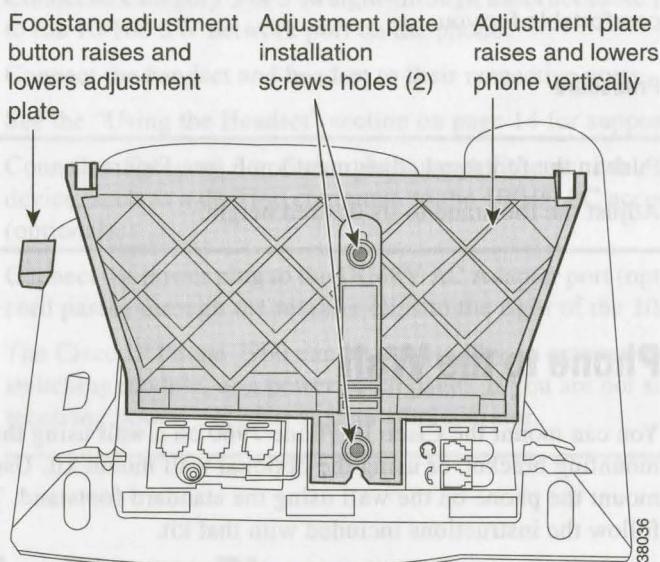
— Configuring IP

— Requesting Config

■ Adjusting the Phone Placement

Figure 2 Adjusting the Footstand

Cisco IP Phone 7960 (rear view)



38096

Procedure

-
- Step 1** Push in the footstand adjustment knob all the way (2 stages).
 - Step 2** Adjust the footstand so it is flat against the back of the phone.
 - Step 3** Modify the handset rest so that the handset remains on the handset rest when the phone is vertically placed.
 - a. Remove the handset from the rest.
 - b. Locate the tab (handset wall hook) at the base of the rest.
 - c. Slide this tab out, rotate it 180 degrees (left to right), and reinsert it.
 - d. Place the handset on the rest, hooking the ear-piece on the tab.

Step 4 Insert two screws into a wall stud, matching them to the two screw holes on the back of the footstand. The screws must protrude slightly, or you must use screws that include a protrusion designed for hanging phones.

The keyholes fit standard phone jack mounts.

Step 5 Hang the phone on the wall.

Verifying the Startup Process



After the Cisco IP Phone 7960 has power connected to it, the phone begins its startup process by cycling through these steps

- 1 These buttons flash on and off in sequence.
 - Headset
 - Mute
 - Speaker
- 2 The LCD screen displays the Cisco Systems, Inc. copyright screen.
- 3 Messages display as the phone starts up. The message sequence differs based on the version of the phone you are using



For the Cisco CallManager version of the phone, the message sequence is

- Configuring VLAN
- Configuring IP
- Configuring CM List
- Connecting
- Registering
- Requesting Template



For the SIP version of the phone, the message sequence is

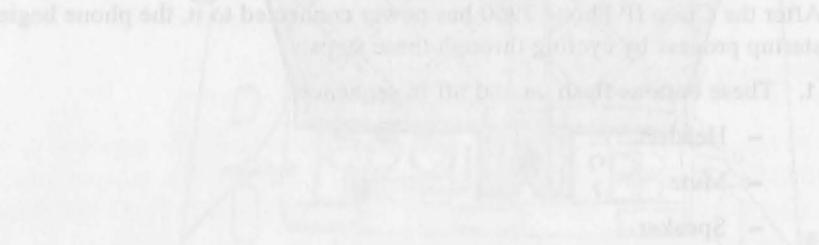
- Configuring VLAN
- Configuring IP
- Requesting Config

Verifying the Startup Process

- Upgrading Software (only shown if the phone determines that it needs a software upgrade)
4. The main LCD screen appears displaying
- Date and Time
 - Primary directory number
 - Soft keys

If the phone successfully passes through these stages, it has started up properly.

If the phone does not successfully start up, contact your system administrator for help.



After the phone has been successfully mounted, you can begin to set up the handset. The handset rests on the base when the phone is vertically placed. To remove the handset from the base, follow these steps:

Step 1 Pull on the handset adjustment lever until it clicks.

Step 2 Adjust the footstand so it is flat under the bottom of the phone.

Step 3 Modify the handset rest so that the handset rests on the handset rest when the phone is vertically placed.

a. Remove the handset from the rest.

b. Locate the tab (handset wall hook) at the base of the rest.

c. Slide this tab out, rotate it 180 degrees (left to right), and reinsert it.

d. Place the handset on the rest, breaking the cap piece on the tab.

- Configuring the Handset

- Handset Configuration



Step 1

Press the *i* button or power button to turn on the phone. If the *i* button is not available, press the power button.

Step 2

Using Your Cisco IP Phone 7960

Read these sections to learn how to use your Cisco IP Phone 7960:

- Accessing Online Help, page 13
- How to Use the Handset, Speakerphone, and Headset, page 14
- Making Telephone Calls, page 15
- Making Calls from the Directory, page 20
- Using Call Forwarding, page 22
- Making Conference Calls, page 24
- Using Voice Mail, page 26
- Changing Phone Settings, page 26
- Configuring Speed Dial Buttons, page 28

Accessing Online Help



The Cisco IP Phone 7960 includes detailed online help for most phone keys and functions.

- Press the *i* button and then any key to display online help for that key
- Press the *i* button twice quickly to display information about a selected feature.
- Press the *i* button twice quickly during an active call to view network statistics about the active call.

How to Use the Handset, Speakerphone, and Headset



You can place and answer calls with the handset, speakerphone, or a headset. These sections describe their use and how to adjust the volume of the call.

- Using the Handset, page 14
- Using the Speakerphone, page 14
- Using the Headset, page 14
- Adjusting the Handset, Headset, and Speakerphone Volume, page 15

Using the Handset

To place and answer calls with the handset, simply lift the handset.

To change from handset to speakerphone, press **SPEAKER** and hang up the handset.

Using the Speakerphone

To place and answer calls using the speakerphone, press **SPEAKER**. You can use the speakerphone with all Cisco IP Phone 7960 features.

To change from speakerphone to handset, lift the handset.

Using the Headset

To place and answer calls using the headset, plug the approved headset into the back of the phone base and press **HEADSET**. You can use the headset with all Cisco IP Phone 7960 features. The Volume and Mute controls also adjust volume to the ear piece and mute the speech path of the headset. The headset activation key is located on the front of the phone.

The Cisco IP Phone 7960 supports a four or six wire headset jack (Plantronics compatible is required). For information on the exact models supported, see the IP phone information on <http://www.cisco.com>.

Adjusting the Handset, Headset, and Speakerphone Volume

Step 1

To increase or decrease the volume of your handset, headset, or speakerphone, press the up or down volume button.

The volume buttons adjust the volume for the currently active voice receiver.

Step 2

To save the volume setting for future calls, press **settings** and then press the **Save** soft key.

Making Telephone Calls

These sections describe how you can place, answer, or otherwise manage a telephone call.

- Placing a Call Using a Telephone Number, page 16
- Placing a Call Using an Email Address, page 16
- Answering a Call, page 17
- Ending a Call, page 17
- Muting a Call, page 17
- Placing a Call on Hold, page 18
- Transferring a Call, page 18
- Transferring a Call Without Talking to the Receiver, page 19
- Redialing the Last Number Dialed, page 19
- Parking a Call, page 19

While in a call, you can mute the handset, headset, or speakerphone, preventing the party you are speaking to from hearing what you or someone else in the room is saying.

- To make a call, press **MUTE**.
- To disengage mute, press **MUTE** again.

Placing a Call Using a Telephone Number



You can place a call with the Cisco IP Phone 7960 in any of the following ways

- Lift the handset and dial the number.
- Press a line button and dial the number.
- If using a headset, press **HEADSET** and then dial the number.
- To use the speakerphone, press **SPEAKER** and dial the number.
- Press the **NewCall** soft key and dial the number. This method works for all speaker modes.

You can also place calls using these techniques depending on the type of phone you are using:



- If you are using the Cisco CallManager version of the phone, you can place a speed dial call. See the “Configuring Speed Dial Buttons” section on page 28 for details on how to set speed dial numbers



- If you are using the SIP version of the phone, you can push the pound (#) key or the **Dial** soft key to place the call immediately

Placing a Call Using an Email Address



If the network administrator configures a SIP version of the phone to use an email address instead of a phone number, you call the phone using an email address.

-
- Step 1** Lift the handset or press a line button, **SPEAKER** button, or the **NewCall** soft key
 - Step 2** Press the **more** soft key
 - Step 3** Press the **URL** soft key

To place and answer calls using the headset, plug the approved headset into the back of the phone base and press **HEADSET**. You can use the headset with all Cisco IP Phone 7960 models. The Volume and Mute controls also adjust volume to the ear piece and mute the speech path of the headset. The headset activation key is located on the front of the phone.

The Cisco IP Phone 7960 supports a four or six-wire headset jack (Plantronics compatible is required). For information on the exact models supported, see the IP phone information on <http://www.cisco.com>.

- Step 4** Spell the email address by pressing the numbers that represent the letters in the address. For each letter, you might need to press the number several times to scroll through the list of displayed characters until you can highlight the correct character.
- Continue selecting characters until the entire email address is spelled correctly
- Step 5** Press the pound (#) key or the **Dial** soft key to place the call. (If you do not press a key, the call eventually dials itself)

Answering a Call



You can answer a call using the handset, headset, or speakerphone.

- To use the handset, lift the handset.
- To use a headset, press **HEADSET**
- To use the speakerphone, press the **Answer** soft key or the **SPEAKER** button.

Ending a Call



To end a call.

- If using the handset, hang up the handset.
- If using the headset, press the **EndCall** soft key. This method also works for all speaker modes
- If using the speakerphone, press **SPEAKER**.

Muting a Call



While in a call, you can mute the handset, headset, or speakerphone, preventing the party you are speaking to from hearing what you or someone else in the room is saying.

- To mute a call, press **MUTE**.
- To disengage mute, press **MUTE** again.

Placing a Call on Hold



While in a call, you can place the call on hold, so that the caller cannot hear you and you cannot hear the caller. You can answer other calls while a call is on hold.

- To place a call on hold, press the **Hold** soft key
- To return to the call, press the **Resume** soft key. If multiple calls are on hold, use the scroll key to select the desired call before you press **Resume**.
- If multiple calls on multiple lines are on hold, press the line button of the line to which you want to switch and use the scroll keys to select the desired call before you press **Resume**.

Transferring a Call



To transfer a call to another phone:

Step 1 During a call, press the **Transfer** soft key. This places the call on hold.

Step 2 Dial the number to which you want to transfer the call.

Step 3 When you hear ringing, press **Transfer** again, or when the party answers, announce the call and press **Transfer**.

Step 4 Hang up if the party accepts the call.

If the party refuses the call, press the **Resume** soft key to return to the original call.

Step 1

Press the **Transfer** soft key. The call is placed on hold.

Step 2 Press the **more** soft key.

Step 3 Press the **UKL** soft key.

Transferring a Call Without Talking to the Receiver



If you are using the SIP version of the phone, you can make an unattended, or blind, transfer. In an unattended transfer, you transfer the caller to another number without talking to the party who is to receive the call. The caller is transferred to the new party without verifying that the new party is there or willing to receive the call.

-
- Step 1** During a call, press **More** soft key, then the **BlndXfr** soft key. This places the call on hold.
- Step 2** Dial the number to which you want to transfer the call.
- Step 3** Hang up.
-

Redialing the Last Number Dialed



To redial the most recently dialed number, lift the handset and press the **Redial** soft key. Alternatively, you can simply press **Redial** to activate the speakerphone or headset.

To redial the most recently dialed number from a line other than your primary line, select the desired line button and then press **Redial**.

Parking a Call



The Cisco IP Phone 7960 allows you to store or “park” a call at a specified number and then use any other phone in the Cisco CallManager system (for example, a phone in someone else’s office or in a conference room) to retrieve the call. Call Park numbers are configured by your system administrator. This capability is only available on the Cisco CallManager version of the phone.

-
- Step 1** During an active call, press the **more** soft key until you see the **Park** tab.
- Step 2** Press **Park**. The display shows the number to which the call is parked.

Making Calls from the Directory

- Step 3** Make a note of the Call Park number and then hang up. The call is now parked at that number, allowing you to retrieve it from another phone.



Note

You have a limited amount of time to retrieve the parked call before it disconnects. See your system administrator for more information.

- Step 4** To retrieve the parked call, from any phone in the Cisco CallManager system, dial the Call Park number at which the call was parked.

Making Calls from the Directory



The Cisco IP Phone 7960 maintains a directory of calls you miss, receive, or make. You can use this directory to locate numbers you want to redial. These sections describe what you can do with the directory:

- Viewing or Dialing Missed Calls, page 20
- Viewing or Dialing Received and Placed Calls, page 21

Viewing or Dialing Missed Calls

If your phone display indicates you have missed calls, you can use the Missed Calls option on the Directory menu to view call history and call back the missed call.

- Step 1** Press the **directories** button.

- Step 2** Press the **Select** soft key to select the Missed Calls option on the Directory menu.

The call history for missed calls is displayed on the LCD.

- Step 3** If desired, click the **Dial** soft key to speed dial a number from the missed call list.



Note You might need to use the **EditDial** soft key to add digits to the front of the number. For example, if the call was from an outside, long-distance caller, you need to add the digits “91” to the front of the number.

- Step 4** Press the **Exit** soft key twice to exit the Directory menu.

Viewing or Dialing Received and Placed Calls

The Cisco IP Phone 7960 keeps a history of all calls you make and receive, including the caller ID, time, and date of the call. You can use this information to redial a party

- Step 1** Press the **directories** button.

- Step 2** Use the scroll key to select the desired call history option. Missed Calls, Received Calls, or Placed Calls.

- Step 3** Press the **Select** soft key to display the call history list.

- Step 4** If desired, press the **Dial** soft key to speed dial a number from the call history list.



Note You might need to use the **EditDial** soft key to add digits to the front of the number. For example, if the call was from an outside, long-distance caller, you need to add the digits “91” to the front of the number.

- Step 5** When you are finished, press the **Exit** soft key twice to exit the Directory menu.

Using Call Forwarding

The Cisco IP Phone 7960 includes call forwarding, which allows you to redirect calls made to your telephone to another phone. This is useful if you know you will be away from your desk for several days, for example, on a business trip or a vacation. These sections describe how you can set up call forwarding:

- Forwarding All Calls, page 22
- Forwarding All Calls When Not At Your Phone, page 23

Forwarding All Calls



Use this procedure to forward all incoming calls to another number. You can forward all calls to an IP phone or non-IP phone.

Step 1

Press the **CFwdAll** soft key. You should hear two beeps.

Step 2

Enter the number to which you want to forward all your calls. A flashing right arrow appears in the upper-right corner of the LCD, indicating that all calls are being forwarded. The LCD also displays a message with the number to which your calls are being forwarded.



Note Be sure to enter the number exactly as you would if you were to call that number. For example, enter an access code such as "9" or the area code, if necessary.

To cancel forwarding of all calls, press the **CFwdAll** soft key. You should hear two beeps and the flashing arrow no longer displays in the upper-right corner of the LCD, indicating that call forwarding is not active.

Forwarding All Calls When Not At Your Phone

CM

If you are not at the location of your phone, you can use a computer to configure your phone to forward calls. Use this procedure to forward incoming calls to another number from a remote computer. You can forward all calls to an IP phone or non-IP phone. This capability is only available on the Cisco CallManager version of the phone.

Step 1 Log in to the Cisco CallManager IP Phone Configuration utility. See your system administrator for details.

Step 2 Choose Cisco 7960 from the Select a Device to Configure drop-down list box.

Step 3 Click “Forward all calls to a different number” from the list of available configuration options.

Step 4 Enable the check box next to the line you want to forward.

Step 5 Type the number to which you want to forward all incoming calls.



Note Be sure to enter the number exactly as you would if you were to call that number. For example, enter an access code such as “9” or the area code, if necessary.

Step 6 Click **Update**.

Step 7 Click **Log off** to exit the configuration utility.

To cancel forwarding of all calls, follow the same procedure, but in Step 4, clear the check box next to the line being forwarded.

Making Conference Calls

These sections describe how to make conference calls with the phone.

- Placing a Conference Call, page 24
- Conference Call Tips, page 24
- Meet-Me Conference Calls, page 25

Placing a Conference Call



To turn a call into a conference call:

- Step 1** During a call, press the **More** soft key and then the **Confrn** soft key. This will automatically select a new line and place the other party on hold.
- Step 2** Place a call to another person.
- Step 3** When the call connects, press **Confrn** again to add this person to the conference call.
- If you are using the Cisco CallManager version of the phone, you can repeat these steps to add people to the conference call. With the SIP version, you can only conference 3 parties.

Conference Call Tips



- To end a conference call, all but one party must hang up.
- Once the conference call initiator disconnects, no new conferees can be added.
- To place a conference call on hold, press the **Hold** soft key. The other parties can talk among themselves but they cannot hear you.
- To place a conference call on speakerphone, press **SPEAKER**. Press **MUTE** to mute the speakerphone. The conference parties cannot hear you but you can hear them.

- To transfer a conference call to another telephone, press the **Transfer** soft key. Dial the number to which you want to transfer the call and then press **Transfer** again. All parties will be transferred.
- The SIP version of the phone only allows 3 parties in a conference call.

Meet-Me Conference Calls



Step 1

A Meet-Me conference allows other callers to dial into the conference call. A Meet-Me conference requires a special conference number which is configured by your system administrator. This capability is only available on the Cisco CallManager version of the phone.

To establish a Meet-Me conference call.

Step 1

Press the **more** soft key twice to display the **Meet-Me** tab.

Step 2

Press the **Meet-Me** soft key.

Step 3

Dial the Meet-Me conference number.

Step 4

Follow the voice instructions to establish the Meet-Me conference.

To join a Meet-Me conference, dial the Meet-Me conference number provided by the Meet-Me conference initiator. You are connected to the conference once the conference initiator has dialed in and established the conference.

**Note**

To join a Meet-Me conference, you do not need to press the **Meet-Me** soft key on the Cisco IP Phone 7960.

Using Voice Mail

These sections describe how to use voice mail with the phone:

- Setting Up Voice Mail, page 26
- Accessing Voice Mail, page 26

Setting Up Voice Mail

To set up voice mail, press the **messages** button and follow the voice instructions.



If you are using the Cisco CallManager version of the phone, the default password is 1234. For security reasons, you should change your password as soon as possible. Your password can be a maximum of 4 digits



If you are using the SIP version of the phone, refer to the documentation for your voice mail system for information on how to set it up.

Accessing Voice Mail



To access voice mail, press the **messages** button and follow the voice instructions.

The red light on your handset lights when you have a voice mail message. The LCD also displays a text message indicating the number of voice mail messages in your mailbox.

Changing Phone Settings



You can change various settings on your Cisco IP Phone 7960. These sections describe some of the changes you can make.

- Adjusting the Ringer Volume, page 27
- Changing the Ring Sound, page 27
- Changing the LCD Contrast, page 28

Adjusting the Ringer Volume

To change the volume used by the ringer:

-
- Step 1** Press the **volume** key to hear a sample ring.
 - Step 2** While the ring plays, press the up or down volume key to adjust the volume to the desired level.
 - Step 3** To save the ring volume setting, press **settings** and then press the **Save** soft key
-

Changing the Ring Sound

To change the sound used by the ringer:

-
- Step 1** Press the **settings** button.
 - Step 2** Select Ring Type from the Settings menu.
 - Step 3** Press the **Select** soft key.
 - Step 4** To scroll through the list of ring types, press the scroll key
Press the **Play** soft key to hear the selected ring type.
 - Step 5** When you find the ring you want, press **Select** and then press the **OK** soft key
 - Step 6** Press the **Save** soft key to save your selection and exit the Settings menu.
-

Changing the LCD Contrast

To change the amount of contrast used in the LCD, to improve its readability

-
- Step 1** Press the **settings** button.
 - Step 2** Select the Contrast option on the Settings menu.
 - Step 3** Press the **Up** or **Down** soft key to set the desired intensity of the display
You can also use the volume keys to increase or decrease the contrast of the display
 - Step 4** Press the **OK** soft key to accept your changes.
 - Step 5** To save this contrast setting, press the **Save** soft key. Otherwise, press the **Exit** soft key to exit the Settings menu.
-

Configuring Speed Dial Buttons



You can configure up to five line buttons on the Cisco IP Phone 7960 to speed dial the numbers you use most. This capability is only available on the Cisco CallManager version of the phone.

-
- Step 1** Log in to the Cisco CallManager IP Phone Configuration utility
See your system administrator for details.
 - Step 2** Choose Cisco 7960 from the Select a Device to Configure drop-down list box.
 - Step 3** Click “Update your Speed Dial buttons/Print your button template” from the list of available configuration options
 - Step 4** Enter the phone numbers and display text you want to associate with your speed dial buttons.
 - Step 5** When you are done, click **Update** to store your settings. To restore your previous settings, click **Cancel**.
 - Step 6** Click **Log off** to exit the configuration utility

**Note**

Be sure to enter the numbers exactly as you would if you were to call that number. For example, include an access code such as "9" or the area code, if necessary

Translated Safety Warnings

These sections contain translations of the warnings listed in the "Safety Notices" section on page 3.

Installation Warning

Warning

Read the installation instructions before you connect the system to its power source.

Waarschuwing

Lees de installatie-aanwijzingen voordat u het systeem met de voeding verbindt.

Varoitus

Lue asennusohjeet ennen järjestelmän yhdistämistä virtalähteeseen.

Avisos

Avant de brancher le système sur la source d'alimentation, consulter les directives d'installation.

Warnung

Lesen Sie die Installationsanweisungen, bevor Sie das System an die Stromquelle anschließen.

Avvertenze

Consultare le istruzioni di installazione prima di collegare il sistema all'alimentatore.

Configuring Speed Dial Buttons

Changing the LCD Contrast

Do you have trouble reading the display because the screen is too bright or too dark? You can change the contrast settings to improve its readability. To increase the contrast, turn the volume up to "V" or down to "L".

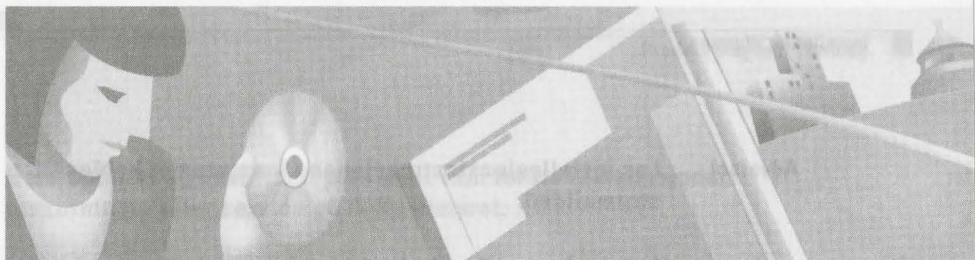
- Step 1** Press the **Settings** button.
- Step 2** Select the **Contrast** option on the **Settings** menu.
- Step 3** Press the **Up** or **Down** soft key to set the desired intensity of the display. You can also use the volume keys to increase or decrease the contrast of the display.
- Step 4** Press the **OK** soft key to accept your changes.
- Step 5** To save this contrast setting, press the **Save** soft key. Otherwise, press the **Exit** soft key to exit the **Settings** menu.

Configuring Speed Dial Buttons



You can configure up to five line buttons on the Cisco IP Phone 7960 to speed dial the numbers you use most. This capability is only available on the Cisco CallManager version of the phone.

- Step 1** Log in to the Cisco CallManager IP Phone Configuration utility. See your system administrator for details.
- Step 2** Choose **Cisco 7960** from the **Select a Device to Configure** drop-down list box.
- Step 3** Click “Update your Speed Dial buttons”/“Set your button template” from the list of available configuration options.
- Step 4** Enter the phone numbers and display name you want to associate with your speed dial buttons.
- Step 5** When you are done, click **Update** to store your settings. To restore your previous settings, click **Cancel**.
- Step 6** Click **Log off** to exit the configuration utility.



Translated Safety Warnings

These sections contain translations of the warnings listed in the “Safety Notices” section on page 5

Installation Warning



Warning

Read the installation instructions before you connect the system to its power source.

Waarschuwing

Raadpleeg de installatie-aanwijzingen voordat u het systeem met voeding verbindt.

Varoitus

Lue asennusohjeet ennen järjestelmän yhdistämistä virtalähteesseen.

Attention

Avant de brancher le système sur la source d'alimentation, consulter les directives d'installation.

Warnung

Lesen Sie die Installationsanweisungen, bevor Sie das System an die Stromquelle anschließen.

Avvertenza

Consultare le istruzioni di installazione prima di collegare il sistema all'alimentatore.

■ Installation Warning

Advarsel	Les installasjonsinstruksjonene før systemet kobles til strømkilden.
Aviso	Leia as instruções de instalação antes de ligar o sistema à sua fonte de energia.
¡Advertencia!	Ver las instrucciones de instalación antes de conectar el sistema a la red de alimentación.
Varning!	Läs installationsanvisningarna innan du kopplar systemet till dess strömförningsenhet.

"InstallationsWarning" er en betegnelse egnet til alle tekniske instruksjoner om hvordan et apparat skal installeres, utskiftes eller vedlikeholdes.

Installation Warning


Warning

Only trained and qualified personnel should be allowed to install, replace, or service this equipment.

Waarschuwing

Deze apparatuur mag alleen worden geïnstalleerd, vervangen of hersteld door bevoegd geschoold personeel.

Varoitus

Tämän laitteen saa asentaa, vaihtaa tai huoltaa ainoastaan koulutettu ja laitteen tunteva henkilökunta.

Attention

Il est vivement recommandé de confier l'installation, le remplacement et la maintenance de ces équipements à des personnels qualifiés et expérimentés.

Warnung

Das Installieren, Ersetzen oder Bedienen dieser Ausrüstung sollte nur geschultem, qualifiziertem Personal gestattet werden.

Avvertenza

Questo apparato può essere installato, sostituito o mantenuto unicamente da un personale competente.

Advarsel Bare opplært og kvalifisert personell skal foreta installasjoner, utskiftinger eller service på dette utstyret.

Aviso Apenas pessoal treinado e qualificado deve ser autorizado a instalar, substituir ou fazer a revisão deste equipamento.

¡Advertencia! Solamente el personal calificado debe instalar, reemplazar o utilizar este equipo.

Varning! Endast utbildad och kvalificerad personal bör få tillståelse att installera, byta ut eller reparera denna utrustning.

Product Disposal Warning



Warning Ultimate disposal of this product should be handled according to all national laws and regulations.

Waarschuwing Dit produkt dient volgens alle landelijke wetten en voorschriften te worden afgedankt.

Varoitus Tämän tuotteen lopullisesta hävittämisestä tulee huolehtia kaikkia valtakunnallisia lakeja ja säännöksiä noudattaen.

Attention La mise au rebut définitive de ce produit doit être effectuée conformément à toutes les lois et réglementations en vigueur.

Warnung Dieses Produkt muß den geltenden Gesetzen und Vorschriften entsprechend entsorgt werden.

Avvertenza L'eliminazione finale di questo prodotto deve essere eseguita osservando le normative italiane vigenti in materia.

■ Lightning Activity Warning

Advarsel Endelig disponering av dette produktet må skje i henhold til nasjonale lover og forskrifter.

Aviso A descartagem final deste produto deverá ser efectuada de acordo com os regulamentos e a legislação nacional.

Advertencia! El desecheo final de este producto debe realizarse según todas las leyes y regulaciones nacionales.

Varning! Slutlig kassering av denna produkt bör skötas i enlighet med landets alla lagar och föreskrifter.

Lightning Activity Warning



Warning

Do not work on the system or connect or disconnect cables during periods of lightning activity.

Waarschuwing

Tijdens onweer dat gepaard gaat met bliksem, dient u niet aan het systeem te werken of kabels aan te sluiten of te ontkoppelen.

Varoitus

Älä työskentele järjestelmän parissa äläkä yhdistää tai irrota kaapeleita ukkosilmalla.

Attention

Ne pas travailler sur le système ni brancher ou débrancher les câbles pendant un orage.

Warnung

Arbeiten Sie nicht am System und schließen Sie keine Kabel an bzw. trennen Sie keine ab, wenn es gewittert.

Avvertenza

Non lavorare sul sistema o collegare oppure scollegare i cavi durante un temporale con fulmini

Advarsel	Utfør aldri arbeid på systemet, eller koble kabler til eller fra systemet når det tordner eller lyner.
Aviso	Não trabalhe no sistema ou ligue e deslique cabos durante períodos de mau tempo (trovoada).
¡Advertencia!	No operar el sistema ni conectar o desconectar cables durante el transcurso de descargas eléctricas en la atmósfera.
Varng! 	Vid åska skall du aldrig utföra arbete på systemet eller ansluta eller koppla loss kablar.

SELV Circuit Warning



Warning

To avoid electric shock, do not connect safety extra-low voltage (SELV) circuits to telephone-network voltage (TNV) circuits. LAN ports contain SELV circuits, and WAN ports contain TNV circuits. Some LAN and WAN ports both use RJ-45 connectors. Use caution when connecting cables.

Waarschuwing

Om elektrische schokken te vermijden, mogen veiligheidscircuits met extra lage spanning (genaamd SELV = Safety Extra-Low Voltage) niet met telefoonnetwerkspanning (TNV) circuits verbonden worden. LAN (Lokaal netwerk) poorten bevatten SELV circuits en WAN (Regionaal netwerk) poorten bevatten TNV circuits. Sommige LAN en WAN poorten gebruiken allebei RJ-45 connectors. Ga voorzichtig te werk wanneer u kabels verbindt.

Varoitus	Jotta välttyt sähköiskulta, älä kytke pienjännitteisiä SELV-suojapiirejä puhelinverkkojännitettä (TNV) käyttäviin virtapiireihin. LAN-portit sisältävät SELV-piirejä ja WAN-portit puhelinverkkojännitettä käyttäviä piirejä. Osa sekä LAN- että WAN-porteista käyttää RJ-45-liittimiä. Ole varovainen kytkiessäsi kaapeleita.
Attention	Pour éviter une électrocution, ne raccordez pas les circuits de sécurité basse tension (Safety Extra-Low Voltage ou SELV) à des circuits de tension de réseau téléphonique (Telephone Network Voltage ou TNV). Les ports du réseau local (LAN) contiennent des circuits SELV et les ports du réseau longue distance (WAN) sont munis de circuits TNV. Certains ports LAN et WAN utilisent des connecteurs RJ-45. Raccordez les câbles en prenant toutes les précautions nécessaires.
Warnung	Zur Vermeidung von Elektroschock die Sicherheits-Kleinspannungs-Stromkreise (SELV-Kreise) nicht an Fernsprechnetzspannungs-Stromkreise (TNV-Kreise) anschließen. LAN-Ports enthalten SELV-Kreise, und WAN-Ports enthalten TNV-Kreise. Einige LAN- und WAN-Ports verwenden auch RJ-45-Steckverbinder. Vorsicht beim Anschließen von Kabeln.
Avvertenza	Per evitare scosse elettriche, non collegare circuiti di sicurezza a tensione molto bassa (SELV) ai circuiti a tensione di rete telefonica (TNV). Le porte LAN contengono circuiti SELV e le porte WAN contengono circuiti TNV. Alcune porte LAN e WAN fanno uso di connettori RJ-45. Fare attenzione quando si collegano cavi.
Advarsel	Unngå å koble lavspenningskretser (SELV) til kretser for telenettspenning (TNV), slik at du unngår elektrisk støt. LAN-utganger inneholder SELV-kretser og WAN-utganger inneholder TNV-kretser. Det finnes både LAN-utganger og WAN-utganger som bruker RJ-45-kontakter. Vær forsiktig når du kobler kabler.

Aviso **Para evitar choques eléctricos, não conecte os circuitos de segurança de baixa tensão (SELV) aos circuitos de tensão de rede telefónica (TNV). As portas LAN contêm circuitos SELV e as portas WAN contêm circuitos TNV. Algumas portas LAN e WAN usam conectores RJ-45. Tenha o devido cuidado ao conectar os cabos.**

¡Advertencia! **Para evitar la sacudida eléctrica, no conectar circuitos de seguridad de voltaje muy bajo (safety extra-low voltage = SELV) con circuitos de voltaje de red telefónica (telephone network voltage = TNV). Los puertos de redes de área local (local area network = LAN) contienen circuitos SELV, y los puertos de redes de área extendida (wide area network = WAN) contienen circuitos TNV. En algunos casos, tanto los puertos LAN como los WAN usan conectores RJ-45. Proceda con precaución al conectar los cables.**

Varning! **För att undvika elektriska stötar, koppla inte säkerhetsskretsar med extra låg spänning (SELV-kretsar) till kretsar med telefonnätspänning (TNV-kretsar). LAN-portar innehåller SELV-kretsar och WAN-portar innehåller TNV-kretsar. Vissa LAN- och WAN-portar är försedda med RJ-45-kontakter. Iaktta försiktighet vid anslutning av kablar.**

Circuit Breaker (15A) Warning


Warning

This product relies on the building's installation for short-circuit (overcurrent) protection. Ensure that a fuse or circuit breaker no larger than 120 VAC, 15A U.S. (240 VAC, 10A international) is used on the phase conductors (all current-carrying conductors).

Waarschuwing

Dit produkt is afhankelijk van de installatie van het gebouw voor kortsluit- (overstroom)beveiliging. Controleer of er een zekering of stroomverbreker van niet meer dan 120 Volt wisselstroom, 15 A voor de V.S. (240 Volt wisselstroom, 10 A internationaal) gebruikt wordt op de fasegeleiders (alle geleiders die stroom voeren).

Varoitus

Tämä tuote on riippuvainen rakennukseen asennetusta oikosulkusuojauksesta (ylivirtasuojausksesta). Varmista, että vaihevirtajohtimissa (kaikissa virroitetuissa johtimissa) käytetään Yhdysvalloissa alle 120 voltin, 15 ampeerin ja monissa muissa maissa 240 voltin, 10 ampeerin sulaketta tai suojakytintä.

Attention

Pour ce qui est de la protection contre les courts-circuits (surtension), ce produit dépend de l'installation électrique du local. Vérifier qu'un fusible ou qu'un disjoncteur de 120 V alt., 15 A U.S. maximum (240 V alt., 10 A international) est utilisé sur les conducteurs de phase (conducteurs de charge).

Warnung

Dieses Produkt ist darauf angewiesen, daß im Gebäude ein Kurzschluß- bzw. Überstromschutz installiert ist. Stellen Sie sicher, daß eine Sicherung oder ein Unterbrecher von nicht mehr als 240 V Wechselstrom, 10 A (bzw. in den USA 120 V Wechselstrom, 15 A) an den Phasenleitern (allen stromführenden Leitern) verwendet wird.

Avvertenza	<p>Questo prodotto dipende dall'installazione dell'edificio per quanto riguarda la protezione contro cortocircuiti (sovracorrente). Verificare che un fusibile o interruttore automatico, non superiore a 120 VCA, 15 A U.S. (240 VCA, 10 A internazionale) sia stato usato nei fili di fase (tutti i conduttori portatori di corrente).</p>
Advarsel	<p>Dette produktet er avhengig av bygningens installasjoner av kortslutningsbeskyttelse (overstrøm). Kontroller at det brukes en sikring eller strømbryter som ikke er større enn 120 VAC, 15 A (USA) (240 VAC, 10 A internasjonalt) på faselederne (alle strømførende ledere).</p>
Aviso	<p>Este produto depende das instalações existentes para protecção contra curto-circuito (sobrecarga). Assegure-se de que um fusível ou disjuntor não superior a 240 VAC, 10A é utilizado nos condutores de fase (todos os condutores de transporte de corrente).</p>
¡Advertencia!	<p>Este equipo utiliza el sistema de protección contra cortocircuitos (o sobrecorrientes) deló propio edificio. Asegurarse de que se utiliza un fusible o interruptor automático de no más de 240 voltios en corriente alterna (VAC), 10 amperios del estández internacional (120 VAC, 15 amperios del estández USA) en los hilos de fase (todos aquéllos portadores de corriente).</p>
Varng!	<p>Denna produkt är beroende av i byggnaden installerat kortslutningsskydd (överströmsskydd). Kontrollera att säkring eller överspänningsskydd används på fasledarna (samliga strömförande ledare) ¥ för internationellt bruk max. 240 V växelström, 10 A (i pUSA max. 120 V växelström, 15 A).</p>

Circuit Breaker (15A) Warning

**Corporate Headquarters**

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 526-4100

European Headquarters

Cisco Systems Europe s.a.r.l.
11 Rue Camille Desmoulins
92782 Issy-les-Moulineaux
Cedex 9
France
Tel. 331 5804 6000
Fax: 331 5804 61000

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-7660
Fax: 408 527-0883

Asia Pacific Headquarters

Cisco Systems Australia, Pty., Ltd
Level 17 99 Walker Street
North Sydney
NSW 2059 Australia
Tel: +61 2 8448 7100
Fax: +61 2 9957 4350

Cisco Systems has more than 200 offices in the following countries. Addresses, phone numbers, and fax numbers are listed on the **Cisco Connection Online Web site at <http://www.cisco.com/offices>**

Argentina Australia Austria • Belgium Brazil Canada • Chile China Colombia • Costa Rica Croatia Czech Republic • Denmark Dubai, UAE Finland • France Germany Greece Hong Kong Hungary India Indonesia Ireland Israel Italy • Japan Korea Luxembourg Malaysia Mexico • The Netherlands New Zealand Norway • Peru Philippines Poland Portugal Puerto Rico Romania Russia Saudi Arabia Singapore Slovakia • Slovenia South Africa Spain Sweden Switzerland Taiwan Thailand Turkey Ukraine United Kingdom United States Venezuela

Printed in Malaysia.