



# Configuring Settings on the Cisco IP Phone

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The Cisco IP Phone includes many configurable network and device settings that you may need to modify before the phone is functional for your users. You can access these settings, and change many of them, through menus on the phone.

This chapter includes the following topics:

- [Configuration Menus on the Cisco IP Phone 7970 Series, page 4-1](#)
- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Configuration Menus on the Cisco IP Phone 7970 Series

The Cisco IP Phone 7970 Series include the following configuration menus:

- **Network Configuration menu**—Provides options for viewing and making a variety of network settings. For more information, see the [“Network Configuration Menu” section on page 4-6](#).
- **Device Configuration menu**—Provides access to sub-menus from which you can view a variety of non network-related settings. For more information, see the [“Device Configuration Menu” section on page 4-14](#).

Before you can change option settings on the Network Configuration menu, you must unlock options for editing. See the [“Unlocking and Locking Options” section on page 4-3](#) for instructions.

For information about the keys you can use to edit or change option settings, see the [“Editing Values” section on page 4-4](#).

You can control whether a phone user has access to phone settings by using the Settings Access field in the Cisco CallManager Administration Phone Configuration Settings page. See *Cisco CallManager Administration Guide* for more information.

### Related Topics

- [Unlocking and Locking Options, page 4-3](#)
- [Editing Values, page 4-4](#)
- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Displaying a Configuration Menu

To display a configuration menu, follow these steps:

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- Step 1** Press the **Settings** button to access the Settings menu.
  - Step 2** Perform one of these actions to display the Network Configuration menu or the Device Configuration menu:
    - Use the **Navigation** button to select the desired menu and then press the **Select** softkey.
    - Use the keypad on the phone to enter the number that corresponds to the menu.
    - Press the menu name on the touchscreen.
  - Step 3** If you displayed the Device Configuration menu, use one of the techniques shown in [Step 2](#) to display a sub-menu.
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To exit a menu, press the **Exit** softkey.

#### Related Topics

- [Unlocking and Locking Options, page 4-3](#)
- [Editing Values, page 4-4](#)
- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Unlocking and Locking Options

Configuration options that can be changed from a phone are locked by default to prevent users from making changes that could affect the operation of a phone. You must unlock these options before you can change them.

When options are inaccessible for modification, a *locked* padlock icon appears on the configuration menus. When options are unlocked and accessible for modification, an *unlocked* padlock icon appears on these menus, as shown below.



To unlock or lock options, press **\*\*#**. This action either locks or unlocks the options, depending on the previous state.

Make sure to lock options after you have made your changes.

#### Related Topics

- [Displaying a Configuration Menu, page 4-2](#)
- [Editing Values, page 4-4](#)
- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Editing Values

When you edit the value of an option setting, follow these guidelines:

- Use the keys on the keypad to enter numbers and letters.
- To enter letters using the keypad, use a corresponding number key. Press the key one or more times to display a particular letter. For example, press the 2 key once for “a,” twice quickly for “b,” and three times quickly for “c.” After you pause, the cursor automatically advances to allow you to enter the next letter.
- To enter a period (for example, in an IP address), press the . (period) softkey or press \* on the keypad.
- Press the << softkey if you make a mistake. This softkey deletes the character to the left of the cursor.
- Press the **Cancel** softkey before pressing the **Save** softkey to discard any changes that you have made.



### Note

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The Cisco IP Phone provides several methods you can use to reset or restore option settings, if necessary. For more information, see the [“Resetting or Restoring the Cisco IP Phone”](#) section on page 9-15.

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### Related Topics

- [Displaying a Configuration Menu, page 4-2](#)
- [Unlocking and Locking Options, page 4-3](#)
- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Overview of Options Configurable from a Phone

The settings that you can change on a phone fall into several categories, as shown in [Table 4-1](#). For a detailed explanation of each setting and instructions for changing them, see the [“Network Configuration Menu”](#) section on page 4-6.

**Note**

There are several options on the Network Configuration menu and on the Device Configuration Menu that are for display only or that you can configure from Cisco CallManager. These options are also described in the [“Network Configuration Menu”](#) section on page 4-6 and the or the [“Device Configuration Menu”](#) section on page 4-14.

**Table 4-1 Configurable of Network Configuration Menu Settings**

Category	Description	Network Configuration Menu Option
DHCP settings	Dynamic Host Configuration Protocol (DHCP) automatically assigns IP address to devices when you connect them to the network. Cisco IP Phones enable DHCP by default.	DHCP Enabled
		DHCP Address Released
IP settings	If you do not use DHCP in your network, you can make IP settings manually.	Domain Name
		IP Address
		Subnet Mask
		Default Router 1-5
TFTP settings	If you do not use DHCP to direct the phone to a TFTP server, you must manually assign a TFTP server. You can also assign an alternative TFTP server to use instead of the one assigned by DHCP.	DNS Server 1-5
		TFTP Server 1
		Alternate TFTP TFTP Server 2
VLAN settings	Allow you to change the administrative VLAN used by the phone.	Admin. VLAN ID
Port settings	Allow you to set the speed and duplex of the network and access ports.	SW Port Configuration
		PC Port Configuration

**Related Topics**

- [Displaying a Configuration Menu, page 4-2](#)
- [Unlocking and Locking Options, page 4-3](#)
- [Editing Values, page 4-4](#)
- [Network Configuration Menu, page 4-6](#)
- [Device Configuration Menu, page 4-14](#)

## Network Configuration Menu

The Network Configuration menu provides options for viewing and making a variety of network settings. [Table 4-2](#) describes these options and, where applicable, explains how to change them.

For information about how to access the Network Configuration menu, see the [“Displaying a Configuration Menu”](#) section on page 4-2.

Before you can change an option on this menu, you must unlock options as described in the [“Unlocking and Locking Options”](#) section on page 4-3. The **Edit**, **Yes**, or **No** softkeys for changing network configuration options appear only if options are unlocked.

For information about the keys you can use to edit options, see the [“Editing Values”](#) section on page 4-4.

**Table 4-2** Network Configuration Menu Options

Option	Description	To Change
DHCP Server	IP address of the Dynamic Host Configuration Protocol (DHCP) server from which the phone obtains its IP address.	Display only—cannot configure.
BOOTP Server	Indicates whether the phone obtains its configuration from a Bootstrap Protocol (BootP) server instead of from a DHCP server.	Display only—cannot configure.
MAC Address	Unique Media Access Control (MAC) address of the phone.	Display only—cannot configure.

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
Host Name	Unique host name that the DHCP server assigned to the phone.	Display only—cannot configure.
Domain Name	Name of the Domain Name System (DNS) domain in which the phone resides.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Set the DHCP Enabled option to No.</li> <li>3. Scroll to the Domain Name option, press the <b>Edit</b> softkey, and then enter a new domain name.</li> <li>4. Press the <b>Validate</b> softkey and then press the <b>Save</b> softkey.</li> </ol>
IP Address	<p>Internet Protocol (IP) address of the phone.</p> <p>If you assign an IP address with this option, you must also assign a subnet mask and default router. See the Subnet Mask and Default Router options in this table.</p>	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Set the DHCP Enabled option to No.</li> <li>3. Scroll to the IP Address option, press the <b>Edit</b> softkey, and then enter a new IP Address.</li> <li>4. Press the <b>Validate</b> softkey and then press the <b>Save</b> softkey.</li> </ol>
Subnet Mask	Subnet mask used by the phone.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Set the DHCP Enabled option to No.</li> <li>3. Scroll to the Subnet Mask option, press the <b>Edit</b> softkey, and then enter a new subnet mask.</li> <li>4. Press the <b>Validate</b> softkey and then press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
TFTP Server 1	<p>Primary Trivial File Transfer Protocol (TFTP) server used by the phone. By default this server is CiscoCM1. If you are not using DHCP in your network and you want to change this default server, you must use the TFTP Server 1 option.</p> <p>If you set the Alternate TFTP option to yes, you must enter a non-zero value for the TFTP Server 1 option.</p> <p>If neither the primary TFTP server nor the backup TFTP server is listed in the CTL file on the phone, you must unlock the CTL file before you can save changes to the TFTP Server 1 option. In this case, the phone will delete the CTL file when you save changes to the TFTP Server 1 option.</p> <p>For information about the CTL file, refer to <i>Cisco IP Phone Authentication and Encryption for Cisco CallManager 4.0(1)</i>. For information about unlocking the CTL file, see the <a href="#">“Security Configuration Screen”</a> section on page 7-2.</p>	<ol style="list-style-type: none"> <li>1. Unlock the CTL file, if necessary.</li> <li>2. If DHCP is enabled, set the Alternate TFTP option to Yes.</li> <li>3. Scroll to the TFTP Server 1 option, press the <b>Edit</b> softkey, and then enter a new TFTP server IP address.</li> <li>4. Press the <b>Validate</b> softkey, and then press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
TFTP Server 2	<p>Optional backup TFTP server that the phone uses if the primary TFTP server is unavailable.</p> <p>If neither the primary TFTP server nor the backup TFTP server is listed in the CTL file on the phone, you must unlock the CTL file before you can save changes to the TFTP Server 2 option. In this case, the phone will delete the CTL file when you save changes to the TFTP Server 2 option.</p> <p>For information about the CTL file, refer to <i>Cisco IP Phone Authentication and Encryption for Cisco CallManager 4.0(1)</i>. For information about unlocking the CTL file, see to the <a href="#">“Security Configuration Screen”</a> section on page 7-2.</p>	<ol style="list-style-type: none"> <li>1. Unlock the CTL file, if necessary.</li> <li>2. Unlock network configuration options.</li> <li>3. Enter an IP address for the TFTP Server 1 option.</li> <li>4. Scroll to the TFTP Server 2 option, press the <b>Edit</b> softkey, and then enter a new backup TFTP server IP address.</li> <li>5. Press the <b>Validate</b> softkey, and then press the <b>Save</b> softkey.</li> </ol>
Default Router 1 Default Router 2 Default Router 3 Default Router 4 Default Router 5	Default router used by the phone (Default Router 1) and optional backup routers (Default Router 2–5).	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Set the DHCP Enabled option to No.</li> <li>3. Scroll to the appropriate Default Router option, press the <b>Edit</b> softkey, and then enter a new router IP address.</li> <li>4. Press the <b>Validate</b> softkey.</li> <li>5. Repeat Steps 3 and 4 as needed to assign backup routers.</li> <li>6. Press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
DNS Server 1 DNS Server 2 DNS Server 3 DNS Server 4 DNS Server 5	Primary Domain Name System (DNS) server (DNS Server 1) and optional backup DNS servers (DNS Server 2–5) used by the phone.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Set the DHCP Enabled option to No.</li> <li>3. Scroll to the appropriate DNS Server option, press the <b>Edit</b> softkey, and then enter a new DNS server IP address.</li> <li>4. Press the <b>Validate</b> softkey.</li> <li>5. Repeat Steps 3 and 4 as needed to assign backup DNS servers.</li> <li>6. Press the <b>Save</b> softkey.</li> </ol>
Operational VLAN ID	<p>Auxiliary Virtual Local Area Network (VLAN) configured on a Cisco Catalyst switch in which the phone is a member.</p> <p>If the phone has not received an auxiliary VLAN, this option indicates the Administrative VLAN.</p> <p>If neither the auxiliary VLAN nor the Administrative VLAN are configured, this option is blank.</p>	The phone obtains its Operational VLAN ID via Cisco Discovery Protocol (CDP) from the switch to which the phone is attached. To assign a VLAN ID manually, use the Admin VLAN ID option.
Admin. VLAN ID	<p>Auxiliary VLAN in which the phone is a member.</p> <p>Used only if the phone does not receive an auxiliary VLAN from the switch, ignored otherwise.</p> <p>Overrides the value specified by the Operation VLAN ID option.</p>	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the Admin. VLAN ID option, press the <b>Edit</b> softkey, and then enter a new Admin VLAN setting.</li> <li>3. Press the <b>Validate</b> softkey and then press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
DHCP Enabled	Indicates whether DHCP is being used by the phone.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the DHCP Enabled option and press the <b>No</b> softkey to disable DHCP, or press the <b>Yes</b> softkey to enable DHCP.</li> <li>3. Press the <b>Save</b> softkey.</li> </ol>
DHCP Address Released	Releases the IP address assigned by DHCP.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the DHCP Address Released option and press the <b>Yes</b> softkey to release the IP address assigned by DHCP, or press the <b>No</b> softkey if you do not want to release this IP address.</li> <li>3. Press the <b>Save</b> softkey.</li> </ol>
Alternate TFTP	Indicates whether the phone is using an alternative TFTP server.	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the Alternate TFTP option and press the <b>Yes</b> softkey if the phone should use an alternative TFTP server. Press the <b>No</b> softkey otherwise.</li> <li>3. Press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
SW Port Configuration	<p>Speed and duplex of the network port (labeled 10/100 SW on the Cisco IP Phone 7970, and 10/100/1000 SW on the Cisco IP Phone 7971G-GE). Valid values:</p> <ul style="list-style-type: none"> <li>• Auto Negotiate</li> <li>• 10 Half—10-BaseT/half duplex</li> <li>• 10 Full—10-BaseT/full duplex</li> <li>• 100 Half—100-BaseT/half duplex</li> <li>• 100 Full—100-BaseT/full duplex</li> <li>• 1000 Full—1000-BaseT/full duplex</li> </ul> <p>If the phone is connected to a switch, configure the port on the switch to the same speed/duplex as the phone, or configure both to auto-negotiate.</p> <p>If you change the setting of this option, you must change the PC Port Configuration option to the same setting.</p>	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the SW Port Configuration option and then press the <b>Edit</b> softkey.</li> <li>3. Scroll to the setting that you want and then press the <b>Select</b> softkey.</li> <li>4. Press the <b>Save</b> softkey.</li> </ol>

Table 4-2 Network Configuration Menu Options (continued)

Option	Description	To Change
PC Port Configuration	<p>Speed and duplex of the access port (labeled 10/100 PC on the Cisco IP Phone 7970, and 10/100/1000 PC on the Cisco IP Phone 7971G-GE). Valid values:</p> <ul style="list-style-type: none"> <li>• Auto Negotiate</li> <li>• 10 Half—10-BaseT/half duplex</li> <li>• 10 Full—10-BaseT/full duplex</li> <li>• 100 Half—100-BaseT/half duplex</li> <li>• 100 Full—100-BaseT/full duplex</li> <li>• 1000 Full—1000-BaseT/full duplex</li> </ul> <p>If the phone is connected to a switch, configure the port on the switch to the same speed/duplex as the phone, or configure both to auto-negotiate.</p> <p>If you change the setting of this option, you must change the SW Port Configuration option to the same setting.</p>	<ol style="list-style-type: none"> <li>1. Unlock network configuration options.</li> <li>2. Scroll to the PC Port Configuration option and then press the <b>Edit</b> softkey.</li> <li>3. Scroll to the setting that you want and then press the <b>Select</b> softkey.</li> <li>4. Press the <b>Save</b> softkey.</li> </ol>

#### Related Topics

- [Displaying a Configuration Menu, page 4-2](#)
- [Unlocking and Locking Options, page 4-3](#)
- [Editing Values, page 4-4](#)

- [Overview of Options Configurable from a Phone, page 4-4](#)
- [Device Configuration Menu, page 4-14](#)

## Device Configuration Menu

The Device Configuration menu provides access to nine sub-menus from which you can view a variety of settings that are not network related. These sub-menus are:

- [CallManager Configuration Menu, page 4-14](#)
- [HTTP Configuration Menu, page 4-15](#)
- [Locale Configuration Menu, page 4-17](#)
- [UI Configuration Menu, page 4-18](#)
- [Media Configuration Menu, page 4-18](#)
- [Power Save Configuration Menu, page 4-18](#)
- [Ethernet Configuration Menu, page 4-19](#)
- [Security Configuration Menu, page 4-21](#)
- [QoS Configuration Menu, page 4-22](#)

For instructions about how to access the Device Configuration menu and its sub-menus, see the [“Displaying a Configuration Menu” section on page 4-2](#).

## CallManager Configuration Menu

The CallManager Configuration menu contains the options CallManager 1, CallManager 2, CallManager 3, CallManager 4, and CallManager 5. These options show Cisco CallManager servers that are available for processing calls from the phone, in prioritized order.

To change these options, use Cisco CallManager Administration.

For an available Cisco CallManager server, an option on the CallManager Configuration menu will show the Cisco CallManager server IP address or name and one of the following states:

- Active—Cisco CallManager server from which the phone is currently receiving call-processing services.
- Standby—Cisco CallManager server to which the phone switches if the current server becomes unavailable.
- Blank—No current connection to this Cisco CallManager server.

An option may also display one of more of the the following designations or options:

- SRST designation—Indicates a Survivable Remote Site Telephony router capable of providing Cisco CallManager functionality with a limited feature set. This router assumes control of call processing if all other Cisco CallManager servers become unreachable. The SRST Cisco CallManager always appears last in the list of servers, even if it is active.




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**Note** You configure an SRST router address in the Cisco CallManager Administration SRST Reference Configuration page (choose **System > SRST**). You configure an SRST reference in the Device Pool Configuration page (choose **System > Device Pool**).

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- TFTP designation—Indicates that the phone was unable to register with a Cisco CallManager listed in its configuration file and it registered with the TFTP server instead.
- Authentication icon—Appears as a shield and indicates that the connection to the Cisco CallManager is authenticated. For more information about authentication, refer to *Cisco IP Phone Authentication and Encryption for Cisco CallManager 4.0(1)*.
- Encrypted icon—Appears as a padlock and indicates that the connection to the Cisco CallManager is authenticated and encrypted. For more information about authentication and encryption, refer to *Cisco IP Phone Authentication and Encryption for Cisco CallManager 4.0(1)*.



## HTTP Configuration Menu

The HTTP Configuration menu displays the URLs of servers from which the phone obtains a variety of information. This menu also displays information about the idle display on the phone.

Table 4-3 describes the options on the HTTP Configuration menu.

**Table 4-3 HTTP Configuration Menu Options**

Option	Description	To Change
Directories URL	URL of the server from which the phone obtains directory information.	Use Cisco CallManager Administration to modify.
Services URL	URL of the server from which the phone obtains Cisco IP Phone services.	Use Cisco CallManager Administration to modify.
Messages URL	URL of the server from which the phone obtains message services.	Use Cisco CallManager Administration to modify.
Information URL	URL of the help text that appears on the phone.	Use Cisco CallManager Administration to modify.
Authentication URL	URL that the phone uses to validate requests made to the phone web server.	Use Cisco CallManager Administration to modify.
Proxy Server URL	URL of proxy server, which makes HTTP requests to non-local host addresses on behalf of the phone HTTP client and provides responses from the non-local host to the phone HTTP client.	Use Cisco CallManager Administration to modify.
Idle URL	URL of an XML service that the phone displays when the phone has not been used for the time specified in the Idle URL Time option and no menu is open. For example, you could use the Idle URL option and the Idle URL Timer option to display a stock quote or a calendar on the LCD screen when the phone has not been used for 5 minutes.	Use Cisco CallManager Administration to modify.
Idle URL Time	Number of seconds that the phone has not been used and no menu is open before the XML service specified in the Idle URL option is activated.	Use Cisco CallManager Administration to modify.

## Locale Configuration Menu

The Locale Configuration menu displays information about the user locale and the network locale used by the phone. [Table 4-4](#) describes the options on this menu.

**Table 4-4** *Locale Configuration Menu Options*

Option	Description	To Change
User Locale	User locale associated with the phone user. The user locale identifies a set of detailed information to support users, including language, font, date and time formatting, and alphanumeric keyboard text information.	Use Cisco CallManager Administration to modify.
User Locale Version	Version of the user locale loaded on the phone.	Display only—cannot configure.
User Locale Char Set	Character set that the phone uses for the user locale.	Display only—cannot configure.
Network Locale	Network locale associated with the phone user. The network locale identifies a set of detailed information that supports the phone in a specific location, including definitions of the tones and cadences used by the phone.	Use Cisco CallManager Administration to modify.
Network Locale Version	Version of the network locale loaded on the phone.	Display only—cannot configure.

## UI Configuration Menu

The UI Configuration menu contains the option Auto Line Select Enabled. This option indicates whether the phone shifts the call focus to incoming calls on all lines.

When this option is set to No (disabled), the phone will only shift the call focus to incoming calls on the line that is in use. When this option is set to Yes, the phone will shift the call focus to the line with the most recent incoming call.

To change this options, use Cisco CallManager Administration.

## Media Configuration Menu

The Media Configuration menu displays whether the headset, speakerphone, and video capability are enabled on the phone. [Table 4-5](#) describes the options on this menu.

**Table 4-5 Media Configuration Menu Options**

Option	Description	To Change
Headset Enabled	Indicates whether the <b>Headset</b> button is enabled on the phone.	Use Cisco CallManager Administration to modify.
Speaker Enabled	Indicates whether the speakerphone is enabled on the phone.	Use Cisco CallManager Administration to modify.
Video Capability Enabled	Indicates whether the phone can participate in video calls when connected to an appropriately equipped computer.	Use Cisco CallManager Administration to modify.

## Power Save Configuration Menu

The Power Save Configuration menu displays the settings that control when the LCD screen on a phone turns off to conserve power. [Table 4-6](#) describes the options on this menu.

For detailed information about configuring these settings, see the [“Automatically Disabling the Cisco IP Phone Touchscreen”](#) section on page 6-9.

**Table 4-6 Power Save Configuration Menu Options**

Option	Description	To Change
Display On Time	Time each day that the LCD screen turns on automatically (except on the days specified in the Days Display Not Active field).	Use Cisco CallManager Administration to modify.
Display On Duration	Length of time that the LCD screen remains on after turning on at the time shown in the Display On Time option.	Use Cisco CallManager Administration to modify.
Display Idle Timeout	Length of time that the phone is idle before the display turns off. Applies only when the display was off as scheduled and was turned on by an end-user (by pressing a button on the phone, touching the touchscreen, or lifting the handset).	Use Cisco CallManager Administration to modify.
Days Display Not Active	Days that the display does not turn on automatically at the time specified in the Display On Time option.	Use Cisco CallManager Administration to modify.

## Ethernet Configuration Menu

The Ethernet Configuration menu displays whether the headset, speakerphone, and video capability are enabled on the phone. [Table 4-7](#) describes the options on this menu.

Table 4-7 Ethernet Configuration Menu Options

Option	Description	To Change
Forwarding Delay	<p>Indicates whether the internal switch begins forwarding packets between the access port and the network port on the phone when the phone becomes active.</p> <p>When this option is set to No, the internal switch begins forwarding packets immediately. When this option is set to Yes, the internal switch waits 8 seconds before forwarding packets between the access port and the network port.</p> <p>Set this option to Yes if you connect both ports to switches for redundant uplinks or if you daisy chain phones.</p>	Use Cisco CallManager Administration to modify.
Span to PC Port	<p>Indicates whether the phone will forward packets transmitted and received on the network port to the access port.</p> <p>Enable this option if an application that requires monitoring of the phone's traffic is being run on the access port. These applications include monitoring and recording applications (common in call center environments) and network packet capture tools that are used for diagnostic purposes.</p>	Use Cisco CallManager Administration to modify.

## Security Configuration Menu

The Security Configuration menu displays settings that relate to security for phone.

You can view additional security information and unlock the CTL file from the Security Configuration screen on a phone. For more information, see the [“Security Configuration Screen” section on page 7-2](#).

[Table 4-8](#) describes the options on the Security Configuration menu.

**Table 4-8 Security Configuration Menu Options**

Option	Description	To Change
PC Port Disabled	Indicates whether the access port on the phone is enabled (No) or disabled (Yes).	Use Cisco CallManager Administration to modify.
GARP Enabled	Indicates whether the phone learns MAC addresses from Gratuitous ARP responses. Disabling the phone’s ability to accept Gratuitous ARP will prevent applications that use this mechanism to monitor and record voice streams from working. If voice monitoring is not desired, set this option to No (disabled).	Use Cisco CallManager Administration to modify.

**Table 4-8 Security Configuration Menu Options (continued)**

Option	Description	To Change
Voice VLAN Enabled	Indicates whether the phone allows a device attached to the access port to access the Voice VLAN. Setting this option to No (disabled) prevents the attached PC from sending and receiving data on the Voice VLAN. This setting also prevents the PC from receiving data sent and received by the phone. Set this setting to Yes (enabled) if an application that requires monitoring of the phone's traffic is running on the PC. These applications include monitoring and recording applications and network monitoring software.	Use Cisco CallManager Administration to modify.
Web Access Enabled	Indicates whether web access is enabled (Yes) or disabled (No) for the phone.	Use Cisco CallManager Administration to modify.
Security Mode	Displays the security mode that is set for the phone.	Use Cisco CallManager Administration to modify.

## QoS Configuration Menu

The QoS Configuration menu displays information that relates to quality of service (QoS) for the phone. [Table 4-9](#) describes the options on this menu.

**Table 4-9 QoS Configuration Menu Options**

Option	Description	To Change
DSCP For Services	DSCP IP classification for phone-based services.	Use Cisco CallManager Administration to modify.

**Table 4-9 QoS Configuration Menu Options (continued)**

Option	Description	To Change
DSCP For Configuration	DSCP IP classification for any phone configuration transfer.	Use Cisco CallManager Administration to modify.
DSCP For Call Control	DSCP IP classification for call control signaling.	Use Cisco CallManager Administration to modify.

**Related Topics**

- [Displaying a Configuration Menu, page 4-2](#)
- [Network Configuration Menu, page 4-6](#)

