



**Avaya one-X™ Deskphone Edition
for 9600 Series IP Telephones
Read This First**

16-601533
Issue 1
July 2006

© 2006 Avaya Inc.
All Rights Reserved.

Notice

While reasonable efforts were made to ensure that the information in this document was complete and accurate at the time of printing, Avaya Inc. can assume no liability for any errors. Changes and corrections to the information in this document may be incorporated in future releases.

For full legal page information, please see the complete document, Avaya Legal Page for Hardware Documentation, Document number 03-600759.

To locate this document on our Web site, simply go to <http://www.avaya.com/support> and search for the document number in the search box.

Documentation disclaimer

Avaya Inc. is not responsible for any modifications, additions, or deletions to the original published version of this documentation unless such modifications, additions, or deletions were performed by Avaya. Customer and/or End User agree to indemnify and hold harmless Avaya, Avaya's agents, servants and employees against all claims, lawsuits, demands and judgments arising out of, or in connection with, subsequent modifications, additions or deletions to this documentation to the extent made by the Customer or End User.

Link disclaimer

Avaya Inc. is not responsible for the contents or reliability of any linked Web sites referenced elsewhere within this documentation, and Avaya does not necessarily endorse the products, services, or information described or offered within them. We cannot guarantee that these links will work all of the time and we have no control over the availability of the linked pages.

Warranty

Avaya Inc. provides a limited warranty on this product. Refer to your sales agreement to establish the terms of the limited warranty. In addition, Avaya's standard warranty language, as well as information regarding support for this product, while under warranty, is available through the following Web site:

<http://www.avaya.com/support>

Copyright

Except where expressly stated otherwise, the Product is protected by copyright and other laws respecting proprietary rights. Unauthorized reproduction, transfer, and or use can be a criminal, as well as a civil, offense under the applicable law.

Avaya support

Avaya provides a telephone number for you to use to report problems or to ask questions about your product. The support telephone number is 1-800-242-2121 in the United States. For additional support telephone numbers, see the Avaya Web site:

<http://www.avaya.com/support>

Software License

USE OR INSTALLATION OF THE PRODUCT INDICATES THE END USER'S ACCEPTANCE OF THE TERMS SET FORTH HEREIN AND THE GENERAL LICENSE TERMS AVAILABLE ON THE AVAYA WEBSITE AT <http://support.avaya.com/LicenseInfo/> ("GENERAL LICENSE TERMS"). IF YOU DO NOT WISH TO BE BOUND BY THESE TERMS, YOU MUST RETURN THE PRODUCT(S) TO THE POINT OF PURCHASE WITHIN TEN (10) DAYS OF DELIVERY FOR A REFUND OR CREDIT.

Avaya grants End User a license within the scope of the license types described below. The applicable number of licenses and units of capacity for which the license is granted will be one (1), unless a different number of licenses or units of capacity is specified in the Documentation or other materials available to End User. "Designated Processor" means a single stand-alone computing device. "Server" means a Designated Processor that hosts a software application to be accessed by multiple users. "Software" means the computer programs in object code, originally licensed by Avaya and ultimately utilized by End User, whether as stand-alone Products or pre-installed on Hardware. "Hardware" means the standard hardware Products, originally sold by Avaya and ultimately utilized by End User.

License Type(s):

Designated System(s) License (DS). End User may install and use each copy of the Software on only one Designated Processor, unless a different number of Designated Processors is indicated in the Documentation or other materials available to End User. Avaya may require the Designated Processor(s) to be identified by type, serial number, feature key, location or other specific designation, or to be provided by End User to Avaya through electronic means established by Avaya specifically for this purpose.

Third-party Components

Certain software programs or portions thereof included in the Product may contain software distributed under third party agreements ("Third Party Components"), which may contain terms that expand or limit rights to use certain portions of the Product ("Third Party Terms"). Information identifying Third Party Components and the Third Party Terms that apply to them is available on Avaya's Web site at:

<http://support.avaya.com/ThirdPartyLicense/>

Interference

Using a cell, mobile, or GSM telephone, or a two-way radio in close proximity to an Avaya IP Telephone might cause interference.

Security

See <http://support.avaya.com/security> to locate and/or report known vulnerabilities in Avaya products. See <http://support.avaya.com> to locate the latest software patches and upgrades. For information about secure configuration of equipment and mitigation of toll fraud threats, see the Avaya Toll Fraud and Security Handbook at <http://support.avaya.com>.

Contents

Introduction	5
9600 Series IP Telephones vs. 4600 Series IP Telephones	5
What's New?	5
What's Different?	6
Configuring DHCP for 9600 Series IP Telephones.	6
New Customizable System Parameters.	8
Configuring IIS and Apache Web Servers for Backup/Restore.	9
Configuring IIS 4.0 (WinNT4.0), IIS 5.0 (Win2000), IIS 5.1 (WinXP), IIS 6.0 (Win2003) Web Servers	9
Configuring Apache Web Servers	10
Administering the Message Button.	11
Administering Communication Manager for System Wide Use	11
Administering Stations	13
Aliasing 9600 Series IP Telephones	14
Administrable Features	14
Feature Buttons and Call Appearances	15
Button Module (SBM24) on the 9630	16
Conference Details Screen for Ad-Hoc Conferences	16
Sample Station Forms.	18
Shuffling	21
Wide Band Codecs	25

Contents

Introduction

If you are setting up the 9620 or 9630 IP Telephones for the first time, **read this document first**. This quick reference covers:

- Administering phone settings.
- The telephone user interface and the Avaya Communication Manager (CM) features that support the user interface.
- How to administer CM to enable these features on the telephone. You administer some of these features on a global, system wide basis and some individually on a station form for a particular telephone.

It is important to set up the administration as detailed in these notes. The settings described here provide the best possible user experience by taking full advantage of 9620 and 9630 IP Telephone capabilities. Note that the 9600 Series IP Telephone user interface is context-sensitive, meaning the features and functions available to the user are based on the current call state. Also note that the features and functions provided to the user are somewhat different than on the 4600 Series IP Telephones and these capabilities depend significantly on switch and station administration.

9600 Series IP Telephones vs. 4600 Series IP Telephones

What's New?

- Configuration files and firmware files are downloaded via HTTP only.
- A new 96xxupgrade.txt configuration file is provided with each 9600 Series IP Telephone software distribution, but a 46xxsettings.txt configuration file continues to be used for customer settings. You maintain settings for both 9600 and 4600 Series IP Telephones on this single settings file.
- Backup and restore of user data is accomplished using HTTP only. Digest authentication is supported for improved security.

**Important:**

HTTP Backup/Restore requires Apache R2.0.55 or greater or IIS 5.5 or greater.

- DHCP uses site-specific option number (SSON) 242 as a default instead of option 176.

Note:

The IETF is reclassifying option numbers 128-223 for standard use. For more information, see RFC 3942.

- After a configured period of inactivity, the display backlight turns off to conserve power. The default period is two hours.
- After a configured period of inactivity, the telephone displays a screen saver. The default period is four hours. The screen saver is currently not customizable.
- A new HIS cord must be used to connect a headset to a 96xx telephone.
- A new document, *Avaya one-X™ Deskphone Edition File Server Application Reference Guide*, supports HTTP download and user data backup/restore using an Avaya File Server application.

What's Different?

- 9600 Series IP Telephones do not support existing HIP and HIC headset cords.
- The CTI protocol is no longer supported for use with IP Softphone.
- 9600 Series IP Telephones do not support DHCP options 43 and 66. Option 176 can be used as the site-specific option, but you would have to manually program that SSON into each telephone.
- Only a subset of parameters can be set in the DHCP site-specific option. Other parameters must be set in a 46xxsettings.txt configuration file.

Configuring DHCP for 9600 Series IP Telephones

To administer DHCP option 242, make a copy of an existing option 176 for your 46xx IP Telephones. You can then either:

- leave any parameters the 9600 Series IP Telephones do not support for setting via DHCP in option 242 to be ignored, or
- delete unused or unsupported 9600 IP Series Telephone parameters to shorten the DHCP message length.

Only the following parameters can be set in the DHCP site-specific option for 96xx telephones, although most of them can be set in a 46xxsettings.txt file as well. For more information, see the *Avaya one-X™ Deskphone Edition for 9600 Series IP Telephones Administrator Guide*. New parameters for the 9600 Series IP Telephones that are not supported by 46xx telephones with R2.4 software are shown in **bold type**.

9600 Series IP Telephone Parameters Settable using DHCP

Parameter	Description
TLSSVR	IP address(es) or DNS name(s) of Avaya file server(s) used to download configuration files. Note: Transport Layer Security is used to authenticate the server.
HTTPSRVR	IP address(es) or DNS name(s) HTTP file server(s) used to download 96xx telephone software files. The files are digitally signed, so TLS is not required for security.
HTTPDIR	The path (relative to the root of the TLS or HTTP file server) where 96xx telephone files are stored. If an Avaya file server is used to download configuration files over TLS, but a different server is used to download software files via HTTP, set the path of the Avaya server in the DHCP site-specific option, and set HTTPDIR again in the 46xxsettings.txt file with the appropriate path for the second server.
STATIC	Controls whether to use a manually-programmed file server or CM IP address instead of those received via DHCP or a settings file. If a manually-programmed file server IP address is to be used, STATIC must be set via DHCP.
MCIPADD	CM server(s) IP address(es) or DNS name(s). If there are too many addresses or names to include all of them in the DHCP site-specific option, include at least one from each major system. Then set MCIPADD again in the 46xxsettings.txt file with the complete list of addresses. Providing a subset of the addresses via DHCP improves reliability if the file server is not available due to server or network problems.
DOT1X	Controls the operational mode for 802.1X. The default is 0 (pass-through of multicast EAPOL messages to an attached PC, and enable Supplicant operation for unicast EAPOL messages).
ICMPDU	Controls the extent to which ICMP Destination Unreachable messages are sent in response to messages sent to closed ports so as not to reveal information to potential hackers. The default is 1 (sends Destination Unreachable messages for closed ports used by traceroute).
ICMPRED	Controls whether ICMP Redirect messages are processed. The default is 0 (they are not processed).
L2Q	802.1Q tagging mode. The default is 0 (automatic).
L2QVLAN	VLAN ID of the voice VLAN. The default is 0.
LOGLOCAL	Controls the severity level of events logged in the SNMP MIB. The default is 7.
PHY1STAT	Controls the Ethernet line interface speed. The default is 1 (auto-negotiate).
PHY2STAT	Controls the secondary Ethernet interface speed. The default is 1 (auto-negotiate).
PROCPSWD	Security string used to access local procedures. The default is null.
PROCSTAT	Controls whether local procedures are enabled. The default is 0 (enabled).
VLANTEST	Controls the length of time the telephone tries DHCP with a non-zero VLAN ID. When the interval is exceeded, the telephone records the VLAN ID so that it is not used again, and DHCP continues on the default VLAN. The default is 60 seconds.

New Customizeable System Parameters

In addition to the parameters the preceding table describes and other parameters that the 4600 Series IP Telephones already support, you can set these new parameters in a 46xxsettings.txt file. For more information, see the *Avaya one-X™ Deskphone Edition for 9600 Series IP Telephones Administrator Guide*.

New Customizeable System Parameters for 9600 Series IP Telephones

Parameter	Description
BRURI	<p>The URI of the HTTP server used for backup and restore of user data. A subdirectory can be specified, for example:</p> <pre>SET BRURI http://135.8.60.10/backup</pre> <p>This puts the user backup/restore files in a subdirectory away from all other files (.bins, .txts, etc.) and permits authentication to be turned on for that subdirectory, without turning it on for the root directory.</p>
MSGNUM	Voice Messaging system extension number.
BAKLIGHTOFF	The number of minutes of inactivity after which the display backlight turns off. The default is 120 minutes (2 hours). Valid values range from zero (never turn off) to 999 minutes (16.65 hours). This value is supported in the 4625.
SCREENSAVERON	The number of minutes of inactivity after which the telephone displays the screen save. The default is 240 minutes (4 hours). Valid values range from zero (disabled) to 999 minutes (16.65 hours).
WMLIDLETIME	The number of minutes of inactivity after which the Web browser will be displayed if WMLIDLEURI is not null; the default is 10 minutes. Valid values range from 1 to 999 minutes (16.65 hours). This value is supported in the 4625.
WMLIDLEURI	The URI of the Web page to be displayed when the Web browser is displayed due to WMLIDLETIME minutes of inactivity. This value is supported in the 4625.

Configuring IIS and Apache Web Servers for Backup/Restore

In addition to the procedures in this section, you can use the Avaya File Server Application for configuration, firmware file download, and backup/restore. You can download this application from <http://www.avaya.com/support>.

Configuring IIS 4.0 (WinNT4.0), IIS 5.0 (Win2000), IIS 5.1 (WinXP), IIS 6.0 (Win2003) Web Servers

1. Create a “backup” folder under the root directory of your Web server. All backup files will be stored in that directory.

If your backup folder is, for instance, C:/inetpub/wwwroot/backup, the 46xxsettings.txt file should have a line similar to:

```
[SET BRURI http://www.website.com/backup/]
```

If your backup folder is the root directory, the 46xxsettings.txt file should have a line similar to:

```
[SET BRURI http://www.website.com/]
```

2. Use the “Internet Information Services Manager” or “Internet Information Services,” depending on the OS used. Go to **Start => Settings => Control Panel => Administrative Tools**.
3. Right click the folder created for backup, or right click **Default Web Site** if there is no specific backup directory.
4. Select **Properties**.
5. In the Directory tab, ensure that the **Write** box is checked.

Additional steps for IIS 6.0 (Win2003):

6. Use the “Internet Information Services.” Go to **Start => Settings => Control Panel => Administrative Tools**.
7. Below Default Web Site, select the **Web Services Extension**.
8. Make sure the WebDAV option is set to **Allowed**.

Configuring Apache Web Servers

1. Create a backup folder under the root directory of your Web server and make the folder writable by anyone. All backup files will be stored in that directory.

If your backup folder is for instance “C:/Program Files/Apache Group/Apache2/htdocs/backup”, the 4xxsettings.txt file should have a line similar to:

```
[SET BRURI http://www.website.com/backup/]
```

If your backup folder is the root directory, the 4xxsettings.txt file should have a line similar to:

```
[SET BRURI http://www.website.com/]
```

2. Edit your Web server configuration file “httpd.conf.”
3. Uncomment the two LoadModule lines associated with DAV:

```
LoadModule dav_module modules/mod_dav.so  
LoadModule dav_fs_module modules/mod_dav_fs.so
```

Note:

If these modules are not available on your system (typically the case on some Unix/Linux Apache servers), you have to recompile these 2 modules (mod_dav & mod_dav_fs) into the server. Other ways to load these module might be available. Check your Apache documentation at <http://httpd.apache.org/docs/> for more details.

4. Add the following lines in the httpd.conf file:

```
#  
# WebDAV configuration  
#  
DavLockDB "C:/Program Files/Apache Group/Apache2/var/DAVLock"  
<Location />  
    Dav On  
</Location>
```

For Unix/Linux Web servers the fourth line might look more like:

```
DavLockDB /usr/local/apache2/var/DAVLock
```

5. Create the var directory, and make it writable by anyone.

Administering the Message Button

Use the phone settings file to configure the **Messages** button. The settings file specifies the telephone number to be dialed automatically when the user presses this button. The specified number is used to connect to the Voice Mail system. The command is:

```
"SET MSGNUM 1234"
```

where **1234** is the Voice Mail extension (CM hunt group or VDN).

Administering Communication Manager for System Wide Use

This section refers to Communication Manager administration on the Switch Administration Terminal (SAT) or via Avaya Site Administration. The system wide CM form and the particular page that needs to be administered for each feature are provided. These features are recommended because they optimize the telephone user interface. CM 3.0 or greater is required.

Communication Manager Feature Administration

Feature	Administration
On- Hook Dialing	Set up CM so that the phone supports on-hook dialing. Use the System Parameters Features form page 10. Use the command Change system-parameters features to view the form and make the change.
Auto Hold	Set up CM to enable Auto Hold , so that the phone automatically places an active call on hold when the user answers or resumes a call on another call appearance. Use the System Parameters Features form, page 6.
Coverage Path	Administer a coverage path for both phone demonstration and normal operations. Use the Coverage Path form and give it a number, for example, Coverage path 1. If Voice Mail is available, this is also where you administer the hunt group or VDN, depending on the type of VM system being used.

1 of 2

Communication Manager Feature Administration (continued)

Feature	Administration
Enhanced Conference Features	Enable enhanced conference display to support the user experience for conferences. Block Enhanced Conference Display on the Class of Restriction (COR) form must be set to No . Use the command Change COR , followed by a number, to view the form and make the change. a sample of the Class of Restriction form.
EC500	If EC500 licenses have been acquired, enable EC500 on the Off-PBX Telephones Station Mapping form. This feature requires trunking to work properly. Use the following command to make the change: Change Off-pbx Telephone Mapping
Wideband Audio	To enable Wideband Audio, use the Change IP codec: command on CM. Ensure that G.722-64K is first on the list of codecs. Note that wide band audio works only for direct-IP calls between two 96xx endpoints, both registered to the same server. Calls between two 96xx phones connected by an IP trunk do not currently support wide band audio. Calls involving three or more parties, even if they are all 96xx phones, will not use wide band. Calls between two 96xx phones where audio is terminated at a port network/gateway (PN/GW) media resource will not use wide band. Ensure that G.722 is added to all codec-sets that can possibly be used between all regions on the IP-Network Regions form where 96xx phones exist.

2 of 2

Figure 1: Sample Class of Restriction (COR) Form

Avaya Site Administration - Lincroft sray GED1

File Edit View System Action Tools Window Help

Lincroft sray GED1

display cor 1 send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F6)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22

CLASS OF RESTRICTION

MF Incoming Call Trace? n
 Brazil Collect Call Blocking? n
 Block Transfer Display? n
 Block Enhanced Conference/Transfer Displays? n
 Remote Logout of Agent? n

Station Lock COR: 1
 Outgoing Trunk Disconnect Timer (minutes):

Block Enhanced Call Pickup Alerting? y
 Station-Button Display of UI IE Data? n

Severity	Date/Time	System	Description
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012

Ready NUM

Administering Stations

This section refers to Communication Manager (CM) administration on the SAT or via Avaya Site Administration. Administer the following items on the Station form, sample screens of which are provided in [Figure 2](#) through [Figure 5](#). Avaya recommends setting the features covered in this section because they optimize the user interface.

Aliasing 9600 Series IP Telephones

On Communication Manager releases earlier than 4.0, which do not provide native support for 96xx IP Telephones, administer (alias) the 9620 IP Telephone as a 4610 IP Telephone and the administer the 9630 IP Telephone as a 4620/4621 IP Telephone.

Change Alias Station:

- Alias set up type 9620 to a 4610
- Alias set up type 9630 to a 4620

The 9620 IP Telephone supports twelve administrable telephony call appearances or features. As such, assign only the first twelve of the twenty four buttons on the 4610 Station form. The 9620 IP Telephone does not support the SBM24 Button Module.

The 9630 IP Telephone supports twenty four administrable telephony call appearances or features. In addition, the 9630 IP Telephone supports the SBM24 Button Module.

The SBM 24 Button Module provides another twenty four administrable call appearances and features. The button module can be used freestanding or attached directly to the 9630.

Administrable Features

Administrable Station Features

Feature	Administration
Enhanced Conference Features	Administer Conf-dsp (conference display) on the station form as a feature button. Doing so turns on enhanced conference features and gives users advanced conference features.
Call Forward	On the Station form, administer Call Forward as a feature button for the 9630.
Far End Mute	Administer fe-mute (far end mute). When this is enabled the phone shows a "Silence" softkey on the Conference details screen. This feature works only for trunk calls.
Directory Features	Administer Directory , Next , and call-disp (Make Call) on feature buttons for demonstration purposes.
Send All Calls (SAC)	On the Station form, administer SAC (send-calls) as a feature button. On the Station form to the right of where send all calls is administered, leave the extension box empty. This feature requires a coverage path to be administered on the station form.

1 of 2

Administrable Station Features (continued)

Feature	Administration
Coverage Path	For normal operation, you must set up a coverage path for each telephone. Administer the Station form to point to the appropriate system coverage path, for example, coverage path 1.
Auto select any idle appearance	Set Auto select any idle appearance to N (no) to optimize answering calls.
Restrict Last Call Appearance	Set Restrict Last Call Appearance to Y (yes).
Conference/Transfer on Primary Appearance	Set Conference/Transfer on Primary Appearance to Y (yes) to ensure that conference/transfer of a bridged appearance works properly.
2 of 2	

Feature Buttons and Call Appearances

The Phone screen, and not the Feature screen displays Call Appearance buttons. If the Communication Manager (CM) call-associated display message or dialed-digits string is not visible because the user does not have the Phone screen displayed, the Top Line displays call-associated display messages or dialed-digits strings.

To view telephone features, go to the Phone screen, then press the right arrow on the navigation button cluster.

You can administer Feature/Call Appearance Buttons 1 – 12 for the 9620 on the CM Station form, which the telephone Feature screen then displays in sequence. None of the Feature Button labels administered on buttons 13 – 24 are displayed on the phone. The 9620 does not support the SBM24 Button Module.

You can administer Feature/Call Appearance Buttons 1 – 24 for the 9630 on the CM Station form. The features administered on the Station form appear in the same sequence on the telephone Feature screen. Features administered on the Expansion Module SBM24 Call Appearance buttons display on the telephone Features screen following the first 24 administered feature buttons. All administered SBM24 Button Labels (Call Appearances and Feature Buttons) display on the corresponding SBM24 module buttons.

Button Module (SBM24) on the 9630

Use the 9630 Station form to enable the SBM24 Button (Expansion) Module and administer Call Appearances as primary appearances, bridged appearances, or busy indicators.

If the SBM24 Call Appearance corresponding to the CM call-associated display message or dialed-digits string is not visible because the user is not on the Phone screen, the telephone Top Line displays the call-associated display message or dialed-digits string.

Conference Details Screen for Ad-Hoc Conferences

Conference Details allows the user to view parties on a conference call and selectively mute or drop individual parties for a conference call setup on a 9600 Series IP Telephone.

If administered on an Expansion Module button, the SBM24 Button Module must be connected.

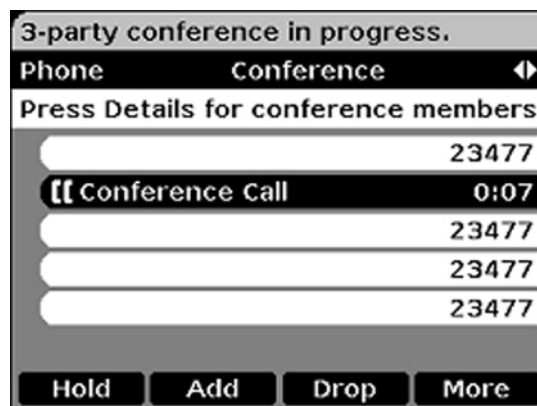
To enable Conference Details capabilities:

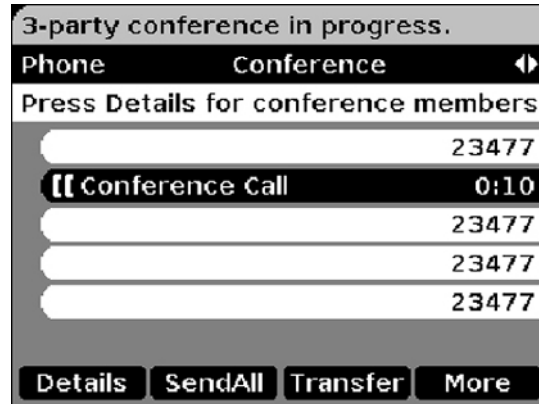
1. On the Class of Restriction (COR) form make sure that **Block Enhanced Conference/Transfer Displays** is set to **No**.
2. As described in [On- Hook Dialing](#), administer the Conference Display Feature Button to a Phone button on the Phone screen.

To use the Conference Details feature:

1. Set up a three-party conference from the 9600 Series IP Telephone (Call Appearance Active Conference).

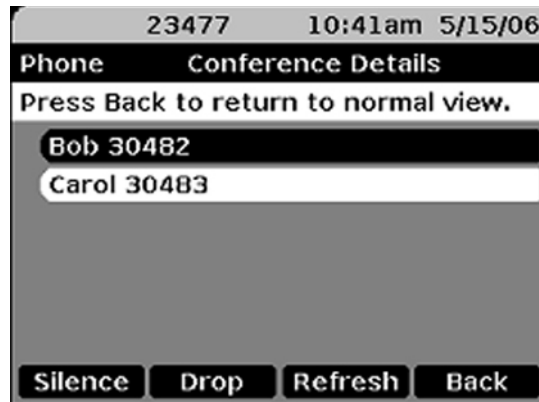
The first set of Softkeys on the Phone screen is **Hold**, **Add**, **Drop**, and **More**. Press **More** to see the additional softkeys: **Details**, **SendAll**, **Transfer**, and **More**.





- When all parties have answered the call, press the **Details** softkey to view the other parties on the conference.

Each party is displayed on separate Application lines. The Softkeys are **Silence** (far end mute), **Drop** (for selected drop), **Refresh**, and **Back**.



- The Silence feature only works with a trunked-party.
 - The selected party is far-end muted and the word "Mute" is appended to the conference party name.
 - Pressing the **Silence** softkey again toggles the far-end mute feature, un-muting the call and causing the word "Mute" to be removed from the conference party name.
 - The **Drop** softkey on the Details page is for selected conference party drop. The conference party name is automatically removed from the conference party list.
 - The **Refresh** softkey refreshes the Details display when one or more parties have been added or dropped remotely from one of the other extensions on the conference call.
- CM currently supports a maximum 6-party ad hoc conference call. All parties listed on the Conference Details Screen for a 6-party conference will be visible on the Details screen.
 - If all parties on the conference call are dropped, either via the **Drop** softkey or remotely, the Phone screen replaces the Conference Details Screen.

Sample Station Forms

Use the sample screens that follow as guidelines for telephone setup.

Figure 2: Station Form - Basic Telephone Information

Avaya Site Administration - Lincroft sray GEDI

File Edit View System Action Tools Window Help

General

Start GEDI

Add User

Change User Extension

Change User

Remove User

Add Bridged Appearance

Browse Dial Range

Browse Stations

Browse Unused P

Find Unused Extension

Print Button Labels

Swap Stations

Advanced

Fault & Performance

T...Tree

Lincroft sray GEDI

display station 22399 send (return) help (f5) cancel (esc) enter (f3) schedule (f9) next (f7) previous (f6)

12345

STATION

Extension: 22399 Lock Messages? n BCC: 0
Type: 4620 Security Code: x TN: 1
Port: S35722 Coverage Path 1: 3 COR: 1
Name: Farber, James Coverage Path 2: COS: 1
Hunt-to Station:

STATION OPTIONS

Loss Group: 19 Personalized Ringing Pattern: 1
Speakerphone: 2-way Message Lamp Ext: 22399
Display Language: english Mute Button Enabled? y
Survivable GK Node Name: Expansion Module? y
Survivable COR: internal Media Complex Ext:
Survivable Trunk Dest? y IP SoftPhone? y
IP Video Softphone? n
Customizable Labels? y

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready NUM

Figure 3: Station Form - Feature Options

Avaya Site Administration - Lincroft Gray GED1

File Edit View System Action Tools Window Help

Lincroft Gray GED1

display station 22399 send (return) help (F5) cancel (esc) enter (F3) schedule (F3) next (F7) previous (F8)

1 2 3 4 5

STATION

FEATURE OPTIONS

LWC Reception: audix Auto Select Any Idle Appearance? n
LWC Activation? y Coverage Msg Retrieval? y
LWC Log External Calls? n Auto Answer: none
CDR Privacy? n Data Restriction? n
Redirect Notification? y Idle Appearance Preference? n
Per Button Ring Control? n Bridged Idle Line Preference? n
Bridged Call Alerting? y Restrict Last Appearance? y
Active Station Ringing: single Conf/Trans on Primary Appearance? n
EMU Login Allowed? n
H.320 Conversion? n Per Station CPN - Send Calling Number?
Service Link Mode: as-needed Audible Message Waiting? n
Multimedia Mode: enhanced Display Client Redirection? n
MWI Served User Type: Select Last Used Appearance? n
AUDIX Name: vm-mars Coverage After Forwarding? s
IP Hoteling? n Multimedia Early Answer? n
Remote Softphone Emergency Calls: as-on-local Direct IP-IP Audio Connections? y
Emergency Location Ext: 22399 Always Use? n IP Audio Hairpinning? y

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready NUM

Figure 4: Station Form - Site Data, Abbreviated Dialing & Button Assignments

Avaya Site Administration - Lincroft Gray GED1

File Edit View System Action Tools Window Help

Lincroft Gray

Lincroft Gray GED1

display station 22399 send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F6)

1 2 3 4 5

STATION

SITE DATA

Room: 1b313 Headset? n
 Jack: 223 Speaker? n
 Cable: Mounting: d
 Floor: Cord Length: 0
 Building: 1D3 Set Color:

ABBREVIATED DIALING

List1: personal 1 List2: personal 2 List3: system

BUTTON ASSIGNMENTS

1: call-app 5: brdg-app Btn:2 Ext:30762
 2: call-app 6:
 3: call-app 7:
 4: brdg-app Btn:1 Ext:30762 8:

Advanced
 Fault & Performance

T... Tree

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status /

Ready NUM

Figure 5: Station Form - Additional Feature Button Assignments

Avaya Site Administration - Lincroft gray GED1

File Edit View System Action Tools Window Help

display station 22399 send (return) help (F5) cancel (esc) enter (F7) schedule (F9) next (F7) previous (F6)

1 2 3 4 5

STATION

FEATURE BUTTON ASSIGNMENTS

9:

10: conf-dsp

11: priority

12: call-fwd Ext:

13: call-park

14: fe-mute

15: abr-prog

16: abr-dial List: 1 DC: 03

17: abr-dial List: 1 DC: 04

18: abr-dial List: 1 DC: 05

19: abr-dial List: 1 DC: 06

20: abr-dial List: 1 DC: 07

21: abr-dial List: 1 DC: 08

22: abr-dial List: 1 DC: 09

23: abr-dial List: 1 DC: 10

24: abr-dial List: 1 DC: 11

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

Ready NUM

Shuffling

Administer shuffling on three forms:

- Feature-Related Parameters form, shown in [Figure 6](#). Set the **Direct IP-IP Audio Connections?** field to **y** (yes).
- IP Network Region form, shown in [Figure 7](#). Set both the **Intra-region IP-IP Direct Audio** field and the **Inter-region IP-IP Direct Audio** field to **y** (yes).
- Station form, shown in [Figure 8](#). Set the **Direct IP-to-IP Audio Connection** to **y** (yes). The Station form setting overrides the network region, which overrides the system setting.

Figure 6: Feature-Related System Parameters Form

Avaya Site Administration - [Lincroft sray GEDI]

File Edit View System Action Tools Window Help

change system-parameters feature send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F8)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

FEATURE-RELATED SYSTEM PARAMETERS

AUTOMATIC EXCLUSION PARAMETERS

Automatic Exclusion by COS?
 Automatic Exclusion Coverage/Hold?
 Automatic Exclusion with Whisper Page?
 Recall Rotary Digit:
 Duration of Call Timer Display (seconds):

WIRELESS PARAMETERS

Radio Controllers with Download Server Permission (enter board location)
 1: 2: 3: 4: 5:

IP PARAMETERS

Direct IP-IP Audio Connections?
 IP Audio Hairpinning?

RUSSIAN MULTI-FREQUENCY PACKET SIGNALING

Re-try?
 T2 (Backward Signal) Activation Timer (secs):

Advanced
 Fault & Performance

T... Tree Right-click in a field to see a list of valid entries or help text

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status /

Ready NUM

Figure 7: IP Network Region Form

Avaya Site Administration - [Lincroft sray GED1]

File Edit View System Action Tools Window Help

Lincroft sray

display ip-network-region 1 send (return) help (f5) cancel (esc) enter (t3) schedule (t9) next (t7) previous (t8)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

IP NETWORK REGION

Region: 1

Location: Authoritative Domain: avaya.com

Name:

MEDIA PARAMETERS

Codec Set: 1 Intra-region IP-IP Direct Audio: yes

UDP Port Min: 2048 Inter-region IP-IP Direct Audio: yes

UDP Port Max: 65535 IP Audio Hairpinning? y

DIFFSERV/TOS PARAMETERS

Call Control PHB Value: 34 RTCP Reporting Enabled? y

Audio PHB Value: 46 RTCP MONITOR SERVER PARAMETERS

Video PHB Value: 26 Use Default Server Parameters? n

802.1P/Q PARAMETERS

Call Control 802.1p Priority: 7 Server IP Address: 135.9 .49 .15

Audio 802.1p Priority: 6 Server Port: 5005

Video 802.1p Priority: 5 RTCP Report Period(secs): 15

H.323 IP ENDPOINTS

H.323 Link Bounce Recovery? y

Idle Traffic Interval (sec): 20

Keep-Alive Interval (sec): 5

Keep-Alive Count: 5

AUDIO RESOURCE RESERVATION PARAMETERS

RSUP Enabled? n

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready NUM

Figure 8: Station Form

Avaya Site Administration - [Lincroft gray GED]

File Edit View System Action Tools Window Help

change station 22399 send (return) he Disconnect Device (sc) enter (f3) schedule (f9) next (f7) previous (f8)

1 2 3 4 5

STATION

FEATURE OPTIONS

LWC Reception: Auto Select Any Idle Appearance?
 LWC Activation? Coverage Msg Retrieval?
 LWC Log External Calls? Auto Answer:
 CDR Privacy? Data Restriction?
 Redirect Notification? Idle Appearance Preference?
 Per Button Ring Control? Bridged Idle Line Preference?
 Bridged Call Alerting? Restrict Last Appearance?
 Active Station Ringing: Conf/Trans on Primary Appearance?
 EMU Login Allowed?
 H.320 Conversion? Per Station CPN - Send Calling Number?
 Service Link Mode:
 Multimedia Mode: Audible Message Waiting?
 MMI Served User Type:
 AUDIX Name: Display Client Redirection?
 IP Hoteling? Select Last Used Appearance?
 Coverage After Forwarding?
 Multimedia Early Answer?
 Remote Softphone Emergency Calls: as-on-local Direct IP-IP Audio Connections?
 Emergency Location Ext: Always Use? IP Audio Hairpinning?

Advanced
Fault & Performance

T... Tree

Right-click in a field to see a list of valid entries or help text

Severity	Date/Time	System	Description
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012
Info	5/15/2006 10:00:00	Lincroft s...	change station 22012

History Schedule Connection Status

Disconnect selected device

NUM

Wide Band Codecs

You must administer wide band codecs for each IP codec set and for IP network regions.

Figure 9: IP Codec Set Form

Avaya Site Administration - [Lincroft gray GED1]

File Edit View System Action Tools Window Help

display ip-codec-set 1 send (return) help (F5) cancel (esc) enter (F3) schedule (F3) next (F7) previous (F6)

1 2

IP Codec Set

Codec Set: 1

	Audio Codec	Silence Suppression	Frames Per Pkt	Packet Size(ms)
1:	G.722-64K	n	2	20
2:	G.711MU	n	2	20
3:	G.726A-32K	n	2	20
4:	G.729	n	2	20
5:	G.723-6.3K	n	1	30
6:	G.729A	n	2	20
7:	SIREN14-S96K		1	20

Media Encryption

1: none
2:
3:

Advanced
Fault & Performance

T... Tree

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready

Figure 10: Inter-Network Region Connection Management Form

Avaya Site Administration - [Lincroft gray GEDI]

File Edit View System Action Tools Window Help

display ip-network-region 1 send (return) help (F5) cancel (esc) enter (F3) schedule (F3) next (F7) previous (F6)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

Inter Network Region Connection Management

src rgn	dst rgn	codec set	direct	Total	Video	Intervening-regions	Dyn
rgn	rgn	set	WAN	WAN-BW-limits	WAN-BW-limits		CAC IGAR
1	1	1					
1	2	2	y	:NoLimit	:NoLimit		n
1	3	1	y	:NoLimit	:NoLimit		n
1	4	4	y	:NoLimit	:NoLimit		n
1	5	1	y	:NoLimit	:NoLimit		n
1	6	1	y	:NoLimit	:NoLimit		n
1	7	1	y	:NoLimit	:NoLimit		n
1	8	5	y	:NoLimit	:NoLimit		n
1	9	1	y	:NoLimit	:NoLimit		n
1	10						
1	11						
1	12						
1	13						
1	14	2	y	4:Calls	0:Kbits		n
1	15	2	y	:NoLimit	:NoLimit		n

Advanced
Fault & Performance

T... Tree

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready NUM

The entries on the IP address network map shown in [Figure 11](#) might redirect endpoints into a particular network region. That region could be different from what is administered on the previous forms.

Figure 11: IP Address Mapping Form

Avaya Site Administration - [Lincroft gray GED]

File Edit View System Action Tools Window Help

display ip-network-map send (return) help (F5) cancel (esc) enter (F3) schedule (F9) next (F7) previous (F8)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

IP ADDRESS MAPPING

From IP Address	(To IP Address	Subnet or Mask)	Region	ULAN	Emergency Location Extension
135.8 .0 .0	135.8 .4 .7		1	n	
135.8 .60 .41	135.8 .60 .41		6	n	
135.8 .62 .0	135.8 .62 .32		3	n	
135.8 .62 .33	135.8 .62 .33		1	n	
135.8 .62 .34	135.8 .62 .34		3	n	
135.8 .62 .35	135.8 .62 .35		1	n	
135.8 .62 .36	135.8 .62 .98		3	n	
135.8 .62 .99	135.8 .62 .99		3	n	
135.8 .62 .100	135.8 .62 .145		3	n	
135.8 .62 .147	135.8 .62 .147		1	n	
135.8 .62 .148	135.8 .62 .166		3	n	
135.8 .62 .168	135.8 .62 .172		3	n	
135.8 .62 .182	135.8 .62 .182		9	n	
135.8 .62 .183	135.8 .62 .191		3	n	
135.8 .62 .192	135.8 .62 .192		1	n	
135.8 .62 .193	135.8 .65 .242		3	n	

General

- Start GED
- Add User
- Change User Extension
- Change User
- Remove User
- Add Bridged Appearance
- Browse Dial Range
- Browse Stations
- Browse Unused P
- Find Unused Extension
- Print Button Labels
- Swap Stations

Advanced

Fault & Performance

T... Tree

Severity	Date/Time	System	Description
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012
Info	5/15/2006 10:...	Lincroft s...	change station 22012

History Schedule Connection Status

Ready

NUM

