Application Note



ST-10070 April 16, 2008

ShorePhone IP 8000 Conference Phone Configuration Guide

This application note provides the details on adding the IP 8000 conference phone to the ShoreTel Unified Communications system as a SIP device configured as a system extension. This information applies to ShoreTel Release 8.0 only – previous releases of ShoreTel require this phone to be configured using SIP trunks.

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Overview

This document describes how to integrate the ShorePhone® IP 8000 conference phone into the ShoreTel® IP Unified Communications System.

Requirements and Limitations

The following requirements are necessary to integrate an IP 8000 conference phone to the ShoreTel Unified Communications system.

ShoreTel Requirements

- ShoreWare[®] Server Software, ShoreTel release 8.0.
- A single ShoreWare SIP device license is required in addition to an extension only or extension and mailbox license.
- SIP Proxy resources on ShoreGear[®] switch
- The IP 8000 must be upgraded to version 2.6.1 (7) or newer. Please visit www.shoretel.com/support to obtain a copy of this firmware.

Known Limitations

- Unable to initiate "Make Me" conferences, only supports 3 party conferences. ShoreTel's Personal Call Manager application can be associated with the IP 8000 device allowing it to participate in 6 party "Make Me" conferences.
- Call Transfer is not supported from the phone interface.

Configuration Overview

The following steps are required to configure the IP 8000 conference phone to work with the ShoreTel system:

- 1. Configure General ShoreTel system settings
 - a. Call Control Options, Switch and Site settings
 - b. Create a SIP Individual User extension
- 2. Configure the IP 8000 to function with the ShoreTel system

ShoreTel Configuration

This section describes the ShoreTel system configuration to support the IP 8000. The section is divided into general system settings and individual user configuration needed to support the conference phone.

Note: If you have upgraded from a previous version of ShoreTel and you had the IP 8000 conference phone already configured in a SIP Trunk environment, follow these next steps, otherwise go on to the "ShoreTel System Settings – General" section:

- Using ShoreWare Director, navigate to "Administration", then "Trunks...", followed by "Individual Trunks".
- Delete ALL of the individual trunks that are currently in use by the IP 8000 conference phone.
- If you plan on using the extension number currently assigned to the IP 8000, navigate to the SIP "Trunk Group" for the IP 8000 and edit the Off System Extension (OSE) range, to either delete the extension number or edit the range to exclude the number.

Note: If you don't plan on using the SIP "Trunk Group" any longer you may choose to delete it. Keep in mind that if any "User Groups" are currently utilizing it, you will first need to remove access to the "Trunk Group" before you can delete it.

ShoreTel System Settings - General

If this is a new deployment of the IP 8000, the first settings to address within the ShoreTel system are the general system settings. These configurations include the call control, the switch and the site settings. If these items have already been configured on the system, skip this section and go on to the "Creating User Extension for SIP device" section of this document.

Call Control Settings

The Call Control Options within ShoreWare Director may need to be reconfigured. To configure these settings for the ShoreTel system, log into ShoreWare Director and select Administration, Call Control and then Options (Figure 1). The "Call Control / Options" screen will then appear (Figure 2).



Figure 1 – Administration Call Control/Options

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ild 13.8.7301.0	Edit this record	Refresh this page			
Joff Administrator	General:				
ninistration 4	Use Distributed Routing Service for call ro	uting.			
Trunks	Enable Monitor / Record Warning Tone.				
IP Phones Switches	Generate an event when a trunk is in-use fi	or 240 minutes			
Call Control	- Generate all event when a trunk is in-use in	initiates.			
 Account Codes Bridged Call 	Park Timeout (1-100000) after 30	seconds.			
Appearances	Hang up Make Me Conference after 20	minutes of silence.			
Hunt Groups	Delay before sending DTME to Eax Server	2000			
Pickup Groups			misec		
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 Supported Codecs Codec Lists 	Realm:	ShoreTel	-		
o SIP Profiles	Enable SIP Session Timer				
Voice Mail	Section Internal (90 - 3600):		-		
Auto-Attendant	Cession menu (50 - 5000).	3600	sec		
Workgroups	Refresher:	Caller (UAC) 🗡		-	
Schedules					
Manager	Voice Encoding and Quality of Service:				
System Directory	Maximum Inter-Site Jitter Buffer:	50	msec		
Application Servers Conference Bridges	DiffServ / ToS Byte (0-255):	0			
IM Servers		-			
Sites System	Admission control algorithm assumes RTF	header compression is b	eing used.		

Figure 2 - Call Control/Options

- If this is an upgrade from previous ShoreTel versions you may see a parameter named "Always Use Port 5004 for RTP", if so, you will need to disable this parameter (by un-checking box), save the setting change. When enabled, the SIP extension configuration will fail, it is also important to note that this "one time" setting requires a system restart (all servers first, then, ShoreGear switches followed by IP Phones) to take effect. Once the server has been restarted, this configuration parameter will no longer be visible. This does not apply to new installations and therefore the parameter is not visible (as shown in Figure 2).
- Realm: The realm is used in authenticating all SIP devices. It is typically a description of the computer or system being accessed. Changing this value will require a reboot of switches hosting SIP extensions. It is not necessary to modify this parameter to get the IP 8000 conference phone functional.

- SIP session interval: Session interval value indicates the session (call) keep alive period. There is no need to modify the default value of "3600" seconds.
- SIP session refresher: Refresher setting decides if the user agent client or the user agent server refreshes the session. Again, there is no need to modify the default value of "Caller (UAC)". This allows the IP 8000 to be in control of the session timer refresh.

Switch Settings

Next allocate switch ports for SIP extensions. These changes are modified by selecting "Administration" then "Switches" in ShoreWare Director (Figure 3).

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Build 13.8.7301.0 .ogoff Administrator	Add new s	witch at site:	Headquarters	of type:	ShoreGear	120/24 🛩 🤇	<u>io</u>	IP Phones	IP Phones	SIP Trunks	SI
dministration	Name	Description	Site	Server	Туре	IPAddress	MAC Address	In Use	Capacity	In Use	
Users	E911	CONCE 1	Headquarters	Headquarters	T1	10.11.12.123	00-10-49-03-B8-78	0	0	0	
IP Phones	Floater		Headquarters	Headquarters	T1	10.11.0.123	00-10-49-05-11-00	0	0	0	h.
Switches	HQ-SG90	HQ-SG90	Headquarters	Headquarters	SG-90	10.11.123.246	00-10-49-07-27-CE	1	25	13	£
Call Control	Qi-220-T1A		Headquarters	Headquarters	SG-220T1A	10.11.12.123	00-10-49-04-B5-F8	Q	60	0	1
Voice Mail Auto-Attendant Menus	PRI		Remotes	Remotes	T1	10.11.0.123	00-10-49-05-92-BF	0	0	0	
Workgroups	SG 50	Remote SG 50	Remotes	Remotes	SG-50	10.11.123.246	00-10-49-07-3F-5F	11	20	0	e - 1
Schedules Derconal Call	Remotes	Remotes	Remotes	Remotes	SW	10.11.123.246		0	0	0	
Manager	RM-SG80	RM-SG80	Remotes	Remotes	40/8	10.11.123.246	00-10-49-00-48-38	2	5	5	
System Directory	SG 90 BRI	SG 90 BRI	UK	Headquarters	SG-90BRI	10.11.123.246	00-10-49-07-4E-1C	0	30	0	6
Application Servers Conforance Bridges	Shared PRI		Headquarters	Headquarters	SG-220T1	10.11.12.123	00-10-49-09-55-03	3	100	0	1
IM Servers	SoftSwitch	SoftSwitch	Headquarters	Headquarters	SW	10.11.123.246		0	0	0	k
Sites							Total	7	240	18	-
Parameters Preferences daintenance • Quick Look • Voice Mail Servers • Switch Connectivity • Conference Ports • Event Log • Services • Event Filters	<u>© 1998-2007 3</u>	ShoreTel, Inc. All r	rights reserved.								

Figure 3 – Administration/Switches

This action brings up the "Switches" screen. From the "Switches" screen select the name of the switch to configure. The "Edit ShoreGear ...Switch" screen will be displayed. Within the "Edit ShoreGear ...Switch" screen assign the Port Type Setting of one or more available ports "100 SIP Proxy" (Figure 4), then save the configuration change.

Note: Each port provides proxy resources for 100 SIP devices. Select as many ports as necessary.



Figure 4 – Edit Switches

If the ShoreGear switch you selected has "Built In" capacity (i.e. ShoreGear 50/90/220T1/E1, etc.) for IP Phones and SIP Trunks you can also remove 5 ports, from the total number available, to provide you with the "100 SIP Proxy" configuration (Figure 5).

Note: Every 5 ports you remove from the total available will result in "100 SIP Proxy" ports being made available.

A dedicated ShoreGear 120 switch can act as a proxy for the entire site and support up to 2400 SIP phones.



Figure 5 – ShoreGear Switch Built-in Capacity

Sites Settings

The next setting to address is the administration of sites. These settings are modified under ShoreWare Director by selecting "Administration" then "Sites" (Figure 6).

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ShoreWare Director	Add new site in:	Argentina Go					
Build 13.8.7301.0 Logoff Administrator	Site	Country	Area Code	Bandwidth	Switches	Servers	
A deschafaster blan	Headquarters	United States of America	408	1500	6	Headquarters	
• Users	Remotes	United States of America	408	1500	4	Remotes	
Trunks	UK	United Kingdom	1728	1500	3		
Call Control Voice Mail Auto-Attendant Menus Workgroups Schedules Personal Call							
Call Control Auto-Attendant Manas Workgroups Workgroups Personal Call Manager System Dire Servers Conference Bridges IM Servers System Parameters Profaramcas							

Figure 6 – Administration/Sites

This selection brings up the "Sites" screen. Within the "Sites" screen select the name of the site to configure.

The "Edit Site" screen will appear. Scroll down to the "Sip Proxy" parameters (Figure 7).

ShoreWare Director - Window	s Internet Explorer	
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ShoreTel [™]	nme zone. Night Bell Extension:	(GM1-08300) Tijuana, Baja California, Pacific Standard Time (México)
ShoreWare Director Build 13.8.7301.0 Logoff Administrator Administration • Users • Trunks • Trunks • Switches • Call Control • Voice Mail • System Birectory • Spersonal Call Manager • System Directory • Conference Bridges • IM Servers • Sites • System Parameters • Preferences	Night Bell Switch: Paging Extension: Paging Switch: Operator Extension: FAX Redirect Extension: Bandwidth: Admission Control Bandwidth: Intra-Site Calls: Inter-Site Calls: FAX and Modern Calls: SIP Proxy: Virtual IP Address: Proxy Switch 1: Proxy Switch 2:	HQ-SG90 V Edit Night Bell Call Handling None S20 : HQ-IP560-520 HQ-IF Search 557 : HQ HQ Analog Search 1500 kbps High Bandwidth Codecs V Fax Codecs - High Bandwidth V HQ-SG90 V None
Maintenance • Quick Look • Voice Mail Servers • Switch Connectivity • Conference Ports • Event Log • Services • Event Filters	Emergency Number List: Trunk Access Code Required Edit IP Phone Address Map 9 1998-2007 Shore Tel. Inc. All rights reserved.	911 Add More

Figure 7 – SIP Proxy

The "Virtual IP Address" parameter is a new configuration parameter with ShoreTel's release 8. This "Virtual IP Address" is an IP address that can be moved to a different switch during a failure. For each site that supports SIP extensions, one "Virtual IP Address" is defined that will act as the SIP Proxy for the site. This IP address must be static.

The ShoreTel server will assign this "Virtual IP Address" to the ShoreGear switch that is configured as SIP proxy for the site. Two ShoreGears can be configured as SIP proxy switches for redundancy and reliability purposes. If the primary proxy switch goes down, the other proxy switch will take over the "Virtual IP Address". Due to this "Virtual IP Address" mechanism, SIP phones will not know if the proxy switch goes off-line. Note: If you choose not to define a "Virtual IP Address" you can only define one Proxy Switch and there is no redundancy, or failover capabilities. The switches available in the "Proxy Switch 1 / 2" will only be shown if proxy resources have been enabled on the switch. The Admission Control Bandwidth defines the bandwidth available to and from the site. This is important as SIP devices may be counted against the site bandwidth. See the ShoreTel Planning and Installation Guide for more information.

ShoreTel's release 8 now adds 13 codecs by default, these codecs can be grouped as "Codec Lists" and defined in the sites page for "Inter-site" and "Intra-site" calls. See the ShoreTel release 8 Server Notes for more information. The default settings will work properly with the IP 8000 conference phone.

Creating User Extension for SIP Device

You need to create a user extension for the IP 8000. This is accomplished from ShoreWare Director by selecting "Administration" followed by "Users..." then "Individual Users". This action will bring up the "Individual Users" screen, at the top of the page, to the right of "Add new user at site:" select the desired site (from the drop down menu) where the user will reside and select "Go" (Figure 8).

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ShoreTel -							-
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Users	538SIPp		Headquarters	Executives	Personal	538	538
o Individual Users	594		Headquarters	Executives	Personal	594	594
o User Groups	595	595	Remotes	Executives	Personal	595	595
Class of Service	Always VM		Headquarters	Executives	WG Supervisor	551	551
Telephones	HQ		Headquarters	Executives	Operator	540	540
© Extension Lists	HQ	HQ Analog	Headquarters	Executives	Personal	557	
o Batch Update	HQ 589		Headquarters	Executives	Personal	589	589
Utility Call Handling	HQ Hitachi 580		Headquarters	Executives	Operator	580	580
Mode Defaults	HQ IPP 230		Headquarters	Executives	Personal	585	585
Trunks	HQ-Cisco-525	HQ-Cisco-525	Remotes	Executives	WG Agent	525	525
IP Phones	HQ-IP230-528	HQ-IP560-528	Headquarters	Executives	WG Supervisor	528	528
Switches Call Control	HQ-IP560-520	HQ-IP560-520	Headquarters	Executives	WG Supervisor	520	.520
 Account Codes 	HQ-LifeSize-524	HQ-LifeSize-524	Headquarters	Executives	Professional	524	524
o Bridged Call	Remote	Analog 2	Headquarters	Executives	Personal	541	541
Appearances	Remote	Fax	Remotes	Executives	Personal	587	
Paging Groups	RM-Cisco-522		Headquarters	Executives	Operator	522	522
 Pickup Groups 	RM-Cisco-523	RM-Cisco-523	Remotes	Executives	Operator	523	523
o Route Points	RM-IP560-521	RM-IP560-521	Remotes	Executives	WG Agent	521	521
 Supported Codecs 	RM-Lifesize-586		Headquarters	Executives	Personal	586	586
o SIP Profiles	sipp527	sipp527	Headquarters	Executives	Professional	527	527
o Options	srilatha	2tangella	Headquarters	Executives	Personal	582	582
Voice Mail	Srilatha	Tangella	Headquarters	Executives	Personal	581	581
Auto-Attendant Monus	Test		Headquarters	Executives	Personal	820	820
Workgroups	VM Only		Remotes	Executives	Personal	552	552
Schedules	1	111					

Figure 8 – Trunk Groups Settings

This action brings up the "Users" "Edit Users" screen (Figure 9).

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ShoreWare Director	Edit User		* modified
Build 13.8.7301.0 Logoff Administrator	🛩 General	Personal Options Distribution Lists Workgroups	Refresh this page
Administration	First Name:	IP8K	
Users Individual Users User Groups	Last Name:	Board Room	
• Class of Service	Number:	699	
Telephones	License Type:	Extension and Mailbox 💙	
 Extension Lists Batch Update 	Caller ID:	(c c +1 (409) 321 3200)	
Utility Call Handling		(e.g. <u>+1 (400) 351-3500</u>)	
Mode Defaults	LI DID:	+14089 (DID Range: +14089621180 - 621184)	
Trunks IP Phones	PSTN Failover:	None 🛩	
Switches Call Control	User Group:	Executives Go to this User Group	
 Account Codes 			
 Bridged Call Appearances 	Site:	Headquarters 🛩	
Hunt Groups Paging Groups	Language:	English(US) 🛩	
 Pickup Groups 	Home Port:	P Phones Any IP Phone	
 Route Points Supported Codecs 		O Porte Discourse da	
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o Options		O SoftSwitch SoftSwitch	
Auto-Attendant	Current Port:	Any IP Phone Go Rome	
Menus Workgroups	Jack #:		
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Figure 9 – Adding Users

Define the "First Name" and "Last Name" as you deem appropriate. ShoreWare Director will auto-assign the next available "Number" (i.e. extension), you can modify it to any available extension. Define the "License Type" as needed, in this example we chose "Extension and Mailbox" although it's not necessary to have a mailbox. Define the proper "User Group" and set the "Home Port" to "Any IP Phone". Save your changes, then scroll down to the "SIP Password:" section (Figure 10).

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5 ShoreTel"	Allow Use of Soft Phone				
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Administration • Users	Prompt for Password	First Time Only	😨 Always		
 Individual Users User Groups 	Delayed Ringdown				
 Class of Service 	Extension:	1	Search		
Telephones	External Number:		(e.g. 9 <u>+1 (408) 331-3</u>	300)	
 Batch Update Utility 	Ringdown Delay:		sec		
 Call Handling Mode Defaults 	Client User ID:	IBoardRoom			
TrunksIP Phones	Client Password:				
Switches Call Control	Voice Mail Password:			Must Change On Next Login	
 Account Codes Bridged Call 	SIP Password:				
 Appearances Hunt Groups 	Email Address:	IBoardRoom@yourco	mpany.com		
 Paging Groups Pickup Groups 	Conference Bridge:				
 Route Points Supported Codecs 	Server:	None 🖌			
 Codec Lists SIP Profiles 	User ID:	IBoardRoom@yourco	mpany.com		
• Options • Voice Mail	Password:		******		
Auto-Attendant Menus					
Workgroups	the second se				

Figure 10 – Individual User SIP Settings

There is no default "SIP Password", it is masked with the appearance that there is, but don't be confused to think that there's a default password. You can modify it to any value you wish, remember this password as you will need it when configuring the IP 8000 SIP parameters. Save your changes.

This completes all of the ShoreTel configuration parameters necessary to install the IP 8000 Conference phone at the Headquarters site (HQ)

If the IP 8000 is being installed at a remote site, you will also need to create an "IP Address Phone Map". You can do so via ShoreWare Director, navigate to the "Administration", "IP Phones...", "IP Address Phone Map" screen, then add an entry for the desire site, with the IP address of the IP 8000 conference phone.

Note: You may have noticed that ShoreWare Director's "Call Control..." section contains a "SIP Profiles" option. ShoreTel's release 8 comes standard with a "_System" and "_ShorePhone IP 8000" SIP profiles, they cannot be deleted (only disabled). The IP 8000 conference phone utilizes the "_ShorePhone IP 8000" profile, there is no need to add a custom profile, do not disable this profile (or the "_System" profile), otherwise the IP 8000 will not be added to the ShoreTel system. Refer to the ShoreTel's release 8 Server Notes for more information.

IP 8000 Configuration

ShoreTel System Settings – General:

- Refer to the Quick Reference card for detailed information on connecting the required Ethernet cable with PoE to the unit.
- After applying power for the 1st time or after a reset to factory settings, the IP 8000 will require configuration of its locale and network settings.
- First of all, the preferred language needs to be set. The languages are selected by pressing one of the digit keys as shown on screen e.g. to select English, press the digit 2.
- The LCD display will then show a heading of Initial Configuration and will display the following: "Configure your ShoreTel IP 8000 for your locale and network." Press the ((mute) button to continue to the next screen.
- The LCD will then display several screens of help text, starting with an explanation of how the volume button works, which acts as an up and down scroll button. Press the mute button to advance. Additional help screens are then displayed: for the button, redial button and how to access the Admin Login after initial configuration is complete. Advance through the screens by pressing the button.
- Next, the Preferences of the phone need to be configured. This process spans 4 menus :

- Preferences (Menu 1 of 4)
 - Location: default setting is United States. If you wish to change it press the button, then use the volume buttons to scroll to the desired setting, press the button when you've selected the correct option. Follow this procedure for changing all of the options. Press the volume button, negative side (-), to scroll down to the next option.
 - * Admin Password: default setting is 1234. Change this if desired.
- Preferences (Menu 2 of 4)
 - * System Name: default setting is ShoreTel. This is typically set to the name of the room in which the conference phone is deployed or some other meaningful value. It can be changed here or later using the Web interface. Scroll down to the next option.
 - * Phone Number: No default value (blank). This is best set via the Web interface later. Scroll to the next option.
- Preferences (Menu 3 of 4)
 - * DHCP: default is enabled. If static IP configuration is desired, be sure to disable DHCP, and then scroll down.
 - IP Address: no default value (null). Enter a value if needed and then scroll down to the next parameter.
 - * Subnet Mask: default is 255.255.255.0, Change as needed and scroll down to the next parameter.
- Preferences (Menu 4 of 4)—
 - Default Gateway: default is a NULL value.
 Configure if necessary and scroll down to the next option.
 - * Host Name* : default is NULL. Once you've configured these options, scroll down to the Save Settings prompt and press the button.
- Additional configuration is required which is best performed via the Web interface as described below.

Retrieving IP Address

Before connecting to the IP 8000 Web interface, take note of the IP address of the phone as displayed in the bottom left corner of the LCD display.

Connecting to the IP 8000 Web Interface

Access the Web interface for the IP 8000 conference phone by opening a Web browser and entering the IP address (previously obtained) as follows: http://<IP address>

Example: http://10.0.1.51

If you are using Internet Explorer 7, you may be presented with the following screen when accessing the Web interface

(figure 11), you may get a different certificate warning with other browsers:



Figure 11 – Internet Explorer 7 Warning

Click on "Continue to this Website (not recommended)." to proceed. Or if using another browser acknowledge the message by selecting OK to continue.

Your Web browser may need to be configured to allow Pop-Ups from the IP 8000 IP address. In addition, it requires the installation of the Macromedia Flash Player. You will be prompted to upgrade if your installed version does not match what is needed for accessing the IP 8000 Web interface.

Once you acknowledge the certificate, the screen will update and a "Password" prompt will be presented as shown in Figure 12.



Figure 12 – IP 8000 Login Screen

The default password is "1234" unless changed earlier during initial configuration. Once the password has been

entered the Home page dialog will be displayed as shown in Figure 13.

https://10.20.0.108 - Shor	reTel IP8000 - Microsoft Internet Explorer	- E 0
Preterences	Maintenance	
Appearance Audio Locale NAT / Firewait Network Network QoS Password SIP	Preferences	⊶πigine Meadows + 6760 + 10,20 0.108
อิShareTel เคชออด เมาๆแรลแสดม	Ĩ	(Phane Keyped) (X Log out

Figure 13 – Configuration Startup Screen

General Configuration

The following configuration steps are not mandatory but are highly recommended.

Navigate to the Preferences/Appearance section of the menu as shown in Figure 14 and apply the following settings:

- 1. Set the System Name to a string of your choice e.g. the name of the conference room in which the phone is deployed.
- 2. Set the Phone number to the assigned extension for the phone. This information appears on the Idle display of the device. This should also be a number (extension) that was defined in ShoreWare Director for the user created earlier in the Individual User section.
- 3. Click on the "Save Changes" button to apply these settings.

Preferences	Maintenance	
	Preferences • Appearance	ShoreTel • 6000 • 10.5.0.3
Appearance		
Audio	System Name: ShoreTel	
Locale	and the second s	
NAT / Firewall	Phone Number: 6000	
Network.		6
Network QoS		The second secon
Password		
	0	C Refresh
ShoreTel IP8000		
LS_PH1_2.6.0 (99)		Phone Keypad X Log of

Figure 14 – Preferences/Appearance Screen

SIP Configuration

Navigate to the Preferences/SIP/Server section of the menu as shown in Figure 15 and apply the following settings:

- 1. Set the SIP user name to match one of the previously defined user extension. This will also be the number that is sent for 911 calls, use caution when defining this value if you plan on initiating 911 calls from the IP 8000 phone.
- 2. Set the Authorization Name to match the previously defined user extension.
- 3. Set the Authorization Password to match the SIP password defined for the SIP user defined earlier.
- 4. Set the SIP Proxy setting to Disabled.

- 5. Set the SIP Registrar setting to Enabled.
- 6. Set the registrar host name to the IP address of the ShoreTel switch that the conference phone will register with.
- 7. Set the registrar port setting to 5060.
- 8. Click on the "Save Changes" button to apply these settings.

Upon successful registration, the screen will show "Registrar Status: Registered".

If this message does not appear, review the settings on both the ShoreTel switch and IP 8000 conference phone respectively.

Preferences	Maintenance		
	Preferences • SIP		ShoreTel • 6000 • 10.5.0.3
Appearance		010 0	
Audio Locale	Regist	ar Status: Registered	
Network	SIP Usernam	e: 6000	
Network QoS Password	Authorization Nam	e:	
SIP	Authorization Passwor	d:	
	SIP Registratio	n: Through Proxy *	
	SIP Prox	V. Disabled	
	Proxy Hostnam	e:	
	Proxy IP Pol	rt 5060	
	SIP Registra	if: Enabled	
	Registrar Hostnam	e: 10,5.0.23	
		Save Changes - Cance	Changes
ShoreTel IP8000	Redistrar Hostname: Enter the hostname or IP address of the SIP	registrar server.	
LS_PH1_2.6.0 (99)			Phone Keypad (X Log ou

Figure 15 – SIP Configuration Screen

This completes the ShoreTel system and IP 8000 configuration for use as a SIP extension.

You can verify that it was added successfully by navigating to ShoreWare Director's IP Phone... Individual IP Phones screen, as seen in Figure 16.

ShoreTel * ShoreWare Director ShoreTel* horeWare Director	Show Page: 1:00-10-4							
ShoreTel [®]	Show Page: 1:00-10-4						-	
ShoreTel"	Show Page: 1:00-10-4	Constant and the				• 🖾	- i	🕑 Page 👻 🚳 Tools 🔹
horeWare Director	Delete SIP Registration HQ-SG90 (9-00-B1-B5 - S Headquarters	IP-DA119:)	3EBB4C3B 🛩 🔄 <	<u>ात्मास</u> •	7 Re	cords	3000 🎽 per page
uild 13.8.7301.0] Name	Site	Switch	MAC Address	IP Address	Use Current	er Home	Phone Type Assig
ogoff Administrator	00-10-49-00-B1-B5	Headquarters	Shared PRI	00-10-49-00-B1-B5	10.31.265.123	HQ 589	HQ 589	IP530
Users Trunks IP Phones o Individual IP Phones] 00-10-49-01-EE-CE	Headquarters	HQ- SG90	00-10-49-01-EE-CE	10.33.280.187	HQ- IP560- 520 HQ- IP560- 520	HQ- 1P560- 520 HQ- 1P560- 520	IP560
IP Phone Address Map Options Switches Call Control Voice Mail] <u>00-10-49-02-48-62</u>	Remotes	RM- SG80	00-10-49-02-4B-62	10.33.270.108	RM- IP560- 521 RM- IP560- 521	RM- 1P560- 521 RM- 1P560- 521	IP560
Auto-Attendant Menus Workgroups Schedules E Personal Call Manager] <u>00-10-49-05-F0-32</u>	Headquarters	Shared PRI	00-10-49-05-F0-32	10.33.261.125	HQ- IP230- 528 HQ- IP560- 528	HQ_ 1P230- 528 HQ_ 1P560- 528	IP230
System Directory Application Servers Conference Bridges IM Servers Sites System	31 <u>P-</u> 4FD4BA6B71FD684B820311337F8BC4AA	Remotes	Remote SG 50		10.33.263.129:4040	RM- Cisco- 523 RM- Cisco- 523		_System
Parameters Preferences	SIP- 84BAC8E1A4F5674EB73426EFABB2E8C2	Remotes	RM- SG80	-	10.33.269.145:4141	<u>595 595</u>	<u>595</u> 595	_System
aintenance	DA1193EBB4C3B34D8E1896EE458F46ED	Headquarters	Shared PRI		10.33.265.155:3040	<u>594</u>		_ShorePhone IP8000

Figure 16 – Individual IP Phones

Notice that the "Name" is preceeded with SIP, the "Current User" will be the extension defined earlier and the "Phone Type" will be "_ShorePhoneIP 8000".

In addition you can navigate to the Individual User's screen, see Figure 17.

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Call Control Voice Mail Auto-Attendant Morkgroups Schedules Versgnal Call Manager System Directory Application Servers Morkgroups Morenee Bridges Workgroups	Home Port:	IP Phones Any IP Phone Ports O 220-114 - 17 SoftSwitch SoftSwitch SoftSwitch SoftSwitch SIP-DATHSJERB4C3853400E1490E1460F46ED Go Rome	

Figure 17 – Individual Users / Edit Users screen

Notice that the "Current Port:" matches the "Name" that was added in the Individual IP Phones screen in Figure 16.

Record of Change

This application note is subject to change. Updates and corrections are always welcome. Please submit any updates or corrections to info@shoretel.com.

lssu	e Author	Reason for Change	Date
1.0	J. Rubio	Initial Release	April 16, 2008



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