

Guide to New Features Release 4.6

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# Feature Keys

After version 4.6 is installed on your Allworx system, users on client computers may see a message asking you to call for a key. These types of keys are available:

- **Client key** which enables the Message Center Software (*new*)
- **VoIP key** which enables the Remote Allworx (site-to-site), Remote SIP Phone, SIP Gateways, and SIP Proxies (*new*)
- **VPN key** which enables the Virtual Private Network

Call Customer Support at 866-ALLWORX, extension 200 and ask for the type of key you need.

# **Remote Allworx**

For businesses with several locations, it makes sense to have an Allworx system at each site. You can now network the Allworx systems together site-to-site so that a caller connected to their local Allworx system can dial an extension at a remote Allworx.



# You'll need this much time

Setting up one Allworx to talk to another one will take less than 30 minutes.



# **Gather This Information**

You'll need the following information:

- IP Address on your local Allworx
- IP Address on the remote Allworx you want to connect to.

You can find this information by expanding **Network** and clicking **Addresses** on each Allworx. Make a note of each WAN TCP/IP Address.



# Before You Begin

• Determine the identical Login ID and password that will be used on both the local and remote Allworx systems.

# How to Set up a Remote Allworx

				Phone System	
Analog O	utside (CO) <u>New</u>	Line	Scan For	Dire	ct Inward Dial Blocks Action
Outside (C	0) Line Typ	e Port	Action		New DID Block
01	FXC	01	Modify Delete		
02	FXC	02	Modify Delete	Direct I	nward Dial Routing Plans
03	FXC	03	Modify Delete		ns have been defined. New can be created when a new DID
04	FXC	04	Modify Delete		or an existing DID Block is
05	FXC	05	Modify Delete	modified.	
06	FXC	06	Modify Delete		SIP Gateways
07	FXC	07	Modify Delete	Gateway	Action
1					New SIP Gateway
Re	emote Allw	orx	?		SIP Proxies
Remote A	llworx		Action	Proxy	Action

1. Expand Phone System and click Outside Lines.

#### Outside Lines page

#### 2. Click New Remote Allworx.

Login ID         Password         Remote IP Address         Remote Extension Range         600-0###         This Allworx (Local) and the Remote Allworx must share the same Login ID and Password in order to communicate. Each Local/Remote Allworx pair must use a unique Login ID.	Astern Description Description Login ID Password Remote IP Address (Port: 5060) Remote Extension Range 600-0###  This Allworx (Local) and the Remote Allworx must share the same Login ID and Passw fer Tip This Allworx (Local) and the Remote Allworx must share the same Login ID and Passw for the communicate. Each Local/Remote Allworx pair must use a unique Login ID.	About	Maintenance
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Login ID         Password         Remote IP Address         Remote Extension Range         600-0###         This Allworx (Local) and the Remote Allworx must share the same Login ID and Password in order to communicate. Each Local/Remote Allworx pair must use a unique Login ID.	Ance TIP This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwi fe This Allworx (Local) and the Remote	ess	Description
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Remote Extension Range 600-0### TIP This Allworx (Local) and the Remote Allworx must share the same Login ID and Password in order to communicate. Each Local/Remote Allworx pair must use a unique Login ID.	ance     TIP       This Allworx (Local) and the Remote Allworx must share the same Login ID and Passwr in order to communicate. Each Local/Remote Allworx pair must use a unique Login ID.	vork	Password
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		ture Keys ceSafe	
		m	
	Program Cancel		Program Cancel

Remote Allworx page

- 3. Enter:
  - **Description** -- Make sure the description is unique for each remote Allworx.
  - Login ID and Password Each connection you make must have a Login ID and Password that is different from any other pair. You'll use this Login ID and Password when logging into either Allworx in the pair.

For example, the Login ID and Password for a connecting Site A to Site B could be ConnectAtoB and PasswordAtoB on both Allworx systems. If you also connect Site A to Site C, the Login ID and Password for that pair could be ConnectAtoC and PasswordAtoC on both of those Allworx systems.

• Enter the **IP address** for the remote Allworx.

- 4. Select a range of **extensions**. When selecting a range, ### is the remote extension.
- 5. Click **Program**.
- 6. On each remote Allworx, repeat steps 2-5.
- 7. Verify that each site is connected by checking that each Remote Allworx is registered on the Outside Lines page.

NOTE: The following features are not available when using a remote Allworx setup:

- Call to Operator
- Leave user at 1## a voicemail
- Leave system ext. 2## a voicemail
- Enable/Disable Do Not Disturb
- Cancel Call Forwarding
- Forward calls to ext. 1## or 2##
- Answer ringing ext. 1## or 2##

# Sample Setup: 2 Sites

Let's say you want to connect two Allworx systems, Site A and Site B. The System Administrator at each site would follow these steps (for detailed instructions, see *How to Set Up a Remote Allworx*).

It's best to obtain the IP address for each site to be connected before starting. In this sample, the IP addresses are as follows:

- Site A: IP address 64.65.105.2
- Site B: IP address 64.65.105.1

The extensions you select for each site are used by the site to call the remote site. You can select any range from 600-0### to 609-9### -- the extensions you select don't need to match the extensions selected by the site being called.

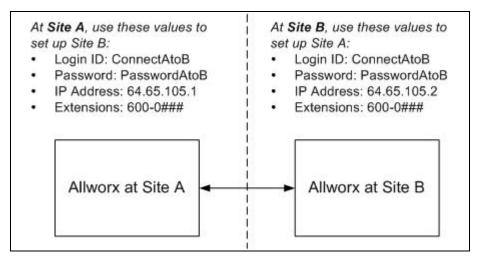
NOTE: Check the online help for additional information.

#### At Site A:

- 1. Expand Phone System and click Outside Lines.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site B
  - Login ID: ConnectAtoB
  - Password: PasswordAtoB
  - IP address: 64.65.105.1 (IP address for Site B)
  - Extensions: 600-0###
- 4. Click **Program**.

#### At Site B:

- 1. Expand Phone System and click Outside Lines.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site A
  - Login ID: ConnectAtoB
  - Password: PasswordAtoB
  - IP address: 64.65.105.2 (IP address for Site A)
  - Extensions: 600-0###
- 4. Click **Program**.



NOTE: Check the online help for additional information.

# Sample Setup: 3 Sites

If you are connecting **three or more Allworx systems**, you must set up each system to be remotely connected to each other.

In this sample, the IP addresses are as follows:

- Site A: IP address 64.65.105.2
- Site B: IP address 64.65.105.1
- Site C: IP address 64.65.105.3

The extensions you select for each site are used by the site to call the remote site. You can select any range from 600-0### to 609-9### -- the extensions you select don't need to match the extensions selected by the site being called.

NOTE: Check the online help for additional information.

#### At Site A:

Set up Site B:

- 1. Expand **Phone System** and click **Outside Lines**.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site B
  - Login ID: ConnectAtoB
  - Password: PasswordAtoB
  - IP address: 64.65.105.1 (IP address for Site B)
  - Extensions: 600-0###
- 4. Click **Program**.

Then set up Site C:

- 1. Expand **Phone System** and click **Outside Lines**.
- 2. Click New Remote Allworx.
- 3. Enter:
  - **Description**: Site C
  - Login ID: ConnectAtoC
  - **Password**: PasswordAtoC
  - IP address: 64.65.105.3 (IP address for Site C)
  - **Extensions**: 600-0###
- 4. Click **Program**.

# At Site B:

Set up Site A:

- 1. Expand **Phone System** and click **Outside Lines**.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site A
  - Login ID: ConnectAtoB
  - Password: PasswordAtoB
  - IP address: 64.65.105.2 (IP address for Site A)
  - Extensions: 601-0###
- 4. Click Program.

Then set up Site C:

- 1. Expand **Phone System** and click **Outside Lines**.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site C
  - Login ID: ConnectBtoC
  - **Password**: PasswordBtoC
  - IP address: 64.65.105.3 (IP address for Site C)
  - **Extensions**: 601-0###
- 4. Click **Program**.

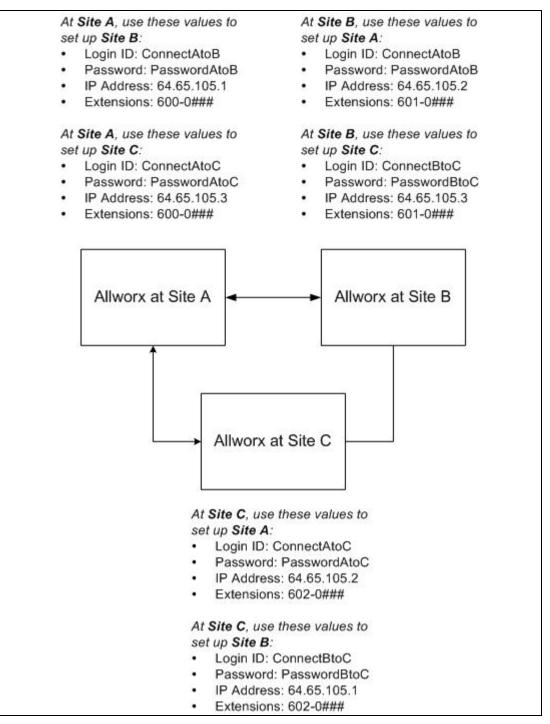
# At Site C:

Set up Site A:

- 1. Expand **Phone System** and click **Outside Lines**.
- 2. Click New Remote Allworx.
- 3. Enter:
  - Description: Site A
  - Login ID: ConnectAtoC
  - Password: PasswordAtoC
  - IP address: 64.65.105.2 (IP address for Site A)
  - Extensions: 602-0###
- 4. Click **Program**.

Then set up Site B:

- 1. Expand Phone System and click Outside Lines.
- 2. Click New Remote Allworx.
- 3. Enter:
  - **Description**: Site B
  - Login ID: ConnectBtoC
  - **Password**: PasswordBtoC
  - IP address: 64.65.105.1 (IP address for Site B)
  - Extensions: 602-0###
- 4. Click Program.



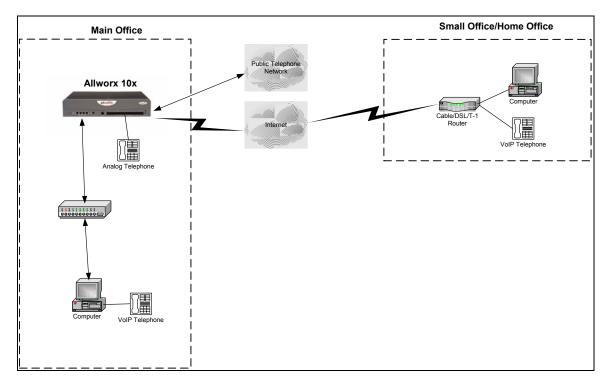
Remember, each site must also set up your local Allworx as a remote system using the Login ID and Password you agreed to.

# **Remote Office SIP Phone**

Many businesses have discovered that it is beneficial to have workers who are not physically located in the main office. The workers may be located in a remote formal rented office space or in a personal home office. Instead of installing a traditional phone connection in each location, they make use of a Voice over Internet Protocol (VoIP) software-based phone connected to the worker's personal computer. Prior to release 4.6, a Virtual Private Network (VPN) was needed for each computer in order to transport VoIP calls. With this release, there is no need for a VPN in order for a remote worker to use a VoIP phone. (Workers who already have a VPN installed to protect confidential correspondence and files may continue to use it with their VoIP phone.)

NOTE: Currently only Cisco phones are supported.

NOTE: The instructions provided here are for setting up one remote phone. To set up more than one phone, contact Allworx Customer Support.



Main Office to Small Office/Home Office configuration

# 9

# You'll need this much time

Setting up a Remote SIP Phone will take about **30** minutes.



# **Gather This Information**

You'll need the following information:

• **IP Address**: You can find this by expanding **Network** and clicking **Addresses**. Make a note of the WAN TCP/IP Address.



# **Before You Begin**

Make sure:

- Allworx 4.6 Server software is installed.
- The firmware of your phone is the latest version:
  - Cisco phone models 7940 and 7960 sets require firmware POS3-06-3-00.
  - Cisco phone model 7905G requires firmware CP7905010100SIP030807A.
  - Cisco phone model 7912G requires firmware CP7912010100SIP030807A.
- Each phone operates within a DHCP-enabled environment.
- Configure and test a Cisco phone on the main office Allworx system before sending it to the remote location. This will verify that the correct software is loaded, and the phone and server registration account data match.
- Phones may be located behind a firewall.

Setting up a remote SIP phone consists of these procedures:

- Prepare the phone.
- Set up the user and handset (IP Phone) in Allworx *OR* set up a new handset (IP Phone) in Allworx.
- Obtain the new phone's User ID.
- Verify the Allworx firewall is open for SIP support.
- Configure the remote SIP Phone.
- Verify the phone registration.
- Test the SIP phone.

# How to Prepare the Phone

- 1. Plug in the power cord for the phone.
- 2. Connect the Ethernet cable from the phone to your Allworx server.

# 3. Expand Phone System and click Handsets.

SIP Handsets					
Handset	Line	Owner	Caller ID	Identification	Action
					New SIP Handset
0003e30cd46d	1			MAC: 00-03-E3-0C-D4-6D	Modify Delete Ring
0003e30cd46d (L2)	2			MAC: 00-03-E3-0C-D4-6D	Modify Delete Ring

Handsets page

- 4. When a phone is connected to the Allworx server, handsets will automatically be set up as plug-and-play phones. These will appear on the list of handsets with "MAC" addresses in the Identification field. If any of these appear on your list, remove them by clicking **Delete**.
- 5. If you have a Cisco 7940 or Cisco 7960 phone:
  - a. Press Services, then select Network Configuration.
  - Change Alternate TFTP to Yes.
  - Check that the value for **Dynamic TFTP Server** is **0.0.0.0**.
  - b. Save your changes.
- 6. If you have a Cisco 7905 or Cisco 7912 phone:
  - a. Press Settings, then select Network Configuration.
  - Change **TFTP Enabled** to **No**.
  - b. Save your changes.

# How to Set Up the User and Handset (SIP Phone)

Follow these instructions to set up the user and handset at the same time. If the user is already set up, continue on to *How to Set Up the Handset*.

After you complete this procedure:

- The user will be assigned an Allworx user name (system identifier for voicemail, email, calendar, etc.).
- The user will also be assigned a 100-series extension.
- A SIP phone is setup with the 100-series extension.

	Maintenance	
This form is used to quick	y program new resources on the Allworx®.	
Select an operation		
Cancel		
Calicer	Program a new User	
	Program a new User and Handset	
	Program a new Handset	
	Program a new Outside (CO) FXO Line	
	Program a new Outside (CO) DID Line	
	Program a new SIP Gateway	
	Program a new SIP Proxy	
	Program a Remote Allworx	

#### 1. Expand Maintenance and click Program.

Program page

	Maintenance
lew User ogin Name Full Name Password Extension 101 •	(must start with a letter; use only letters and dig (at least 4 characters)
ew Handset escription Caller ID andset Type	
Select the handset Analog Phone All ports in use	© SIP Phone Model Cisco 7960 ▼ Number of Lines 1 © Phone must authenticate (register) Login ID Password © Phone can plug-n-play MAC Address ■ Allworx DHCP Server assigns IP Address IP Address

2. Select **Program New User** and **Handset**.

New User and Handset page

- 3. Enter:
  - Login Name remember, this must start with a letter and contain only letters, numbers, and underscores
  - Full Name type the user's first name, middle name or initial, and last name
  - Password type a default password that the user can later change
  - Primary Extension

- 4. Enter:
- Description
- Caller ID this will appear in the display when the user makes a call
- 5. Make sure that **SIP Phone** is selected as the type of handset.
- 6. Select the model that matches the user's handset. When you select a model, the corresponding number of call appearances (virtual handsets) will be created on the Handsets page. For example, choosing the Cisco 7960 handset will result in six rows being created in the Handsets page.
- 7. Make sure that **Phone must authenticate (register)** is selected. Enter the user's Login ID and Password.
- 8. Click **Program**.

# How to Set Up the Handset (SIP Phone) Only

If the user is already set up, you can just set up the phone. (If you followed the previous procedure to set up both the user and SIP Phone, then skip this procedure and continue on.)

		Ph	one Syste
	Handsets <u>Sca</u> ner Caller ID Port	n For New Action	
08	08	Modify Delete Ring	
9	09	Modify Delete Ring	
10	10	Modify Delete Ring	
11	11	Modify Delete Ring	
12	12	Modify Delete Ring	
13	13	Modify Delete Ring	
L4	14	Modify Delete Ring	
15	15	Modify Delete Ring	
16	16	Modify Delete Ring	
	SIP Ha Owner Caller ID	andsets	Action

# 1. Expand Phone System and click Handsets.

Handsets page

	Maintenance
w Handset	
scription	
Caller ID	
xtension 🔻	
ndset Type	
lect the handset	
Analog Phone	© SIP Phone
ports in use	Model Cisco 7960 Vumber of Lines 1
	• Phone must authenticate (register)
	Login ID
	Password
	C Phone can plug-n-play
	MAC Address
	Allworx DHCP Server assigns IP Addres
	IP Address
	SIP Protocol Port 5060

2. Click New SIP Handset.

New Handset page

- 3. Enter:
- Description
- Caller ID this will appear in the display when the user makes a call
- 4. Make sure that **SIP Phone** is selected as the type of handset.
- 5. Select the model that matches the user's handset. When you select a model, the corresponding number of call appearances (virtual handsets) will be created in the Handsets page. For example, choosing the Cisco 7960 handset will result in six rows being created in the Handsets page.
- 6. Make sure that **Phone must authenticate (register)** is selected. Enter the user's Login ID and Password.
- 7. Click **Program**.

# How to Obtain the New Phone's User ID

1. Expand Phone System and click Handsets.

					Phor	ie S	ystem
	log Ha			n For New			
Handset	Owner	Caller	ID Port	Actio	n		
08			08	Modify Dele	te <u>Ring</u>		
09			09	Modify Dele	te <u>Ring</u>		
10			10	Modify Dele	te <u>Ring</u>		
11			11	Modify Dele	te <u>Ring</u>		
12			12	Modify Dele	te <u>Ring</u>		
13			13	Modify Dele	te <u>Ring</u>		
14			14	Modify Dele	te <u>Ring</u>		
15			15	Modify Dele	te <u>Ring</u>		
16			16	Modify Dele	te <u>Ring</u>		
				SIP Hands	ate		
Han	dset	Line	Owner	Caller ID	Identifica	tion	Action
a. a. 1986.		0.000				88.03	New SIP Handse
Han Lesley's S				Caller ID	User ID: 510	)2 mith	The second second

Handsets page

- 2. Write down the User ID that appears in the Identification column for the SIP phone you just set up. You will need this later after you plug in and set up the SIP phone.
- Note that the Identification states that the User ID has "never registered." After you program the SIP phone, this will change to showing an expiration date and time. NOTE: When the phone's registration expires, the "registration expired" appears as the status.
- NOTE: If you followed the procedure *How to Set Up the Handset (IP Phone) Only*, the Owner of the handset is "admin." To assign a user to this handset (required if you want the message wait lamp to reflect voicemail presence/absence). Click **Modify** for the handset and select the user.

# How to Verify the Allworx Firewall is Open for SIP Support

The new SIP Phone must register themselves automatically with the Allworx server before calls can be made. You will need to verify that the Allworx firewall permits SIP traffic (SIP port 5060) so that the registration can occur.

#### 1. Expand **Network** and click **Security**.

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ction
odifu
odify
0

Network Security page

The Allworx Network Mode should be one of the following:

- NAT/Firewall
- NAT/Firewall with DMZ
- NAT/Firewall with Stealth DMZ

If it is not, follow these instructions:

2. Click Modify.

AN Addresses		Firewall	
	exposed thro	ough fire	wall:
IP Address	Protocol	Local Port #	
	TCP 💌		
	TCP -		
	TCP -		
	TCP -	-	
then click Update. 1 will be 4 new empty Allworx Services DNS (53,4069	entries.) s (ports) exp		
FTP (20,21)			
MTTP (80)			
POP3 (110)			
<ul> <li>✓ POP3 (110)</li> <li>✓ PPTP (1723)</li> </ul>			
POP3 (110)			

Modify Network Security page

- 3. Select one of the following:
- NAT/Firewall which exposes all ports to the Internet
- NAT/Firewall with DMZ (make sure that SIP (5060) is selected as an exposed port)
- NAT/Firewall with Stealth DMZ (make sure that SIP (5060) is selected as an exposed port)
- 4. Click Update.
- 5. Expand Maintenance and click Restart.



- 6. Select Normal restart.
- 7. Click Restart.

# How to Configure the Remote SIP Phone

Configure the new SIP phone in your office. After it is configured, you can move it to the remote location.

- 1. If you have a Cisco 7940 or Cisco 7960 phone, follow these instructions.
  - a. Press Settings.
  - b. Select Unlock Configuration. Enter cisco as the password.
  - c. Press Settings, then select SIP Configuration.
  - d. Make sure the SIP configuration settings are as shown below. Make changes, if necessary, and save your changes.

ltem	Setting
Messages URI	404
Preferred Cedec	G711ulaw
Out-of-Band DTMF	Out_always
Register with Proxy	Yes
Register Expires	600
TFTP Directory	Leave as is
Phone Label	Leave as is
Enable VAD	No
Voice Control Port	5060
Start Media Port	Leave as is
End Media Port	Leave as is
Backup Proxy	Leave as is
Backup Proxy Port	Leave as is
Emergency Proxy	Leave as is
Emergency Proxy Port	Leave as is
Outbound Proxy	Use the WAN TCP/IP Address that you noted earlier
Outbound Proxy Port	5060
NAT Enabled	No

- e. Press **Settings**, then select **SIP Configuration**. Select the first Line to be configured. (The Cisco 7940 has 2 lines. The Cisco 7960 has 6 lines.)
- f. Make sure the Line settings is as shown below. Make changes, if necessary, and save your changes.

Item	Setting					
Name	Enter the User ID you noted earlier.					
Short Name	Enter the name or number you want to appear on the display.					
Authentication Name	Enter the Login ID you chose earlier.					
Authentication Password	Enter the Password you chose for the Login ID.					
Display Name	Leave as is.					
Proxy Address	Enter the WAN TCP/IP address of the Allworx server.					
Proxy Port	5060					

g. Repeat steps e – f for each line.

- 2. If you have a Cisco 7905 or Cisco 7912 phone, follow these instructions.
  - a. Press Services.
  - b. Press \* \* **#** (asterisk, asterisk, pound sign) to unlock the configuration. Enter **admin** as the password on the keypad.
  - c. Press Services, then select Network Configuration.
  - d. Make sure the network configuration settings are as shown below. Make changes, if necessary, and save your changes.

ltem	Setting
SIP Proxy	Use the WAN TCP/IP Address that you noted earlier
User ID	Enter the User ID you noted earlier.
Password	Enter the Password you chose for the Login ID.
Use Login ID	Yes
Login ID	Enter the Login ID you chose earlier.
Local SIP Port	5060
Local RTP Port	Leave as is.
Backup Proxy Timeout	Leave as is.
Outbound Proxy	Use the WAN TCP/IP Address that you noted earlier
Register Expires	600
Register with Proxy	Yes
NAT WAN IP Address	Leave as is.

# How to Verify the Phone Registration

After the phone has been configured, it will automatically initiate registration to the remote Allworx server. Verify that the registration was successful.

1.	Expand Pho	one System	and clic	k Handsets.
----	------------	------------	----------	-------------

SIP Handsets									
Handset	Line	Owner	Caller ID	Identification	Action				
					New SIP Handset				
7940	1	admin	7940	User ID: 5100 Login ID: test (expires: MAY 18, 2004 09:57 AM) 192.168.181.58:5060	Modify Delete Ring				
7940 (L2)	2	admin	7940	User ID: 5101 Login ID: test (expires: MAY 18, 2004 09:57 AM) 192.168.181.58:5060	Modify Delete Ring				
Jane Doe	1	Jane	Jane Doe	MAC: 00-0A-DD-80-00-16	Modify Delete Ring				
0003e30cd46d	1			MAC: 00-03-E3-0C-D4-6D	Modify Delete Ring				
0003e30cd46d (L2)	2			MAC: 00-03-E3-0C-D4-6D	Modify Delete Rinc				

Handsets page

- 2. The handsets that you set up should appear with a User ID, Login ID, an expiration date, and the IP address of the registered remote phone in the Identification field.
- 3. Using the configured SIP phone, dial 400 to reach the Allworx Auto Attendant. Make sure to try the call on each line. If the call goes through, the phone is properly registered.
- 4. If your remote IP phone is behind a firewall, then consult the documentation that came with your firewall for instructions.
  - Map the UDP port 5060 to the IP address of the phone.
  - If you have a Cisco 7940 phone, also map ports 16384 and 16386 to the IP address of the phone. If your firewall uses a range instead of individual ports, use the range 16384 – 16387.
  - If you have a Cisco 7960 phone, also map ports 16384, 16386, 16388, 16390, 16392, and 16394 to the IP address of the phone. If your firewall uses a range instead of individual ports, use the range 16384 16395.

- 5. If you have a **Cisco 7940** or **Cisco 7960** phone, follow these instructions to change the Line Settings.
  - a. Press Settings, then select Network Configuration.
  - b. Make sure the **Default Router 1** is set to the local IP address of the network setup of the router.
  - c. Press Settings, then select SIP Configuration.
  - d. Make sure that the **Start Media Port** is the same as the Start port for the UDP protocol of your router (16384).
  - e. Leave the End Media Port at the default settings on the phone.
  - f. Make sure VOIP Control Port is set to 5060.
  - g. Make sure **NAT Enabled** is set to Yes.
  - h. The NAT Address is set to the WAN Address of the router/firewall.
  - i. Save your changes.
  - j. Verify that the phone is working for both inbound and outbound calls.

# How to Test the SIP Phone

A remote SIP phone has the same capabilities as a local phone. Its features can be used in exactly the same way:

- Dial 400 and the call will be routed to the Allworx Auto Attendant.
- Dial an extension and the call will be routed to the user of the extension.

If a problem persists, call Customer Support 866-ALLWORX, extension 200.

# **Auto Attendant**

There are two new features available for Auto Attendants:

- Selecting an operator extension for each Auto Attendant
- Setting up shortcuts for Auto Attendants

# **Selecting an Operator Extension**

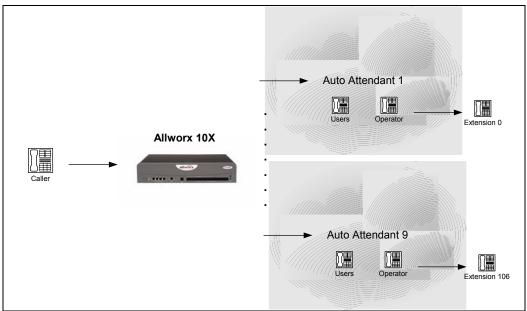
You can set up 9 Auto Attendants on your Allworx system with their own Prompts and Features. Prior to release 4.6, when a caller dialed 0 after listening to any Auto Attendant message, the call was directed to the system operator.



Before release 4.6

In release 4.6, you can now designate the extension that should be dialed when the caller dials 0 during each Auto Attendant message. For example, the Auto Attendants could be set up as follows:

- Callers who dial 0 while listening to Auto Attendant 1 would be directed to the system operator.
- Callers who dial 0 while listening to Auto Attendant 9 would be directed to Sales at extension 106.



After release 4.6



# You'll need this much time

Setting up operator extensions for Auto Attendants will take less than **10 minutes**.



#### **Gather This Information**

You'll need the following information:

• User extension or system extension to be called when the caller dials 0.



# **Before You Begin**

• Make sure the person at the extension you're designating as the operator is ready to receive calls.

#### How to Set up an Operator Extension for an Auto Attendant

#### Home > Phone System > Auto Attendants Phone System The table below displays the current settings for the Auto Attendants' Prompts, Features, and Operator Extensions. You can also manage the content of the Auto Attendants' Greetings and Messages. Auto Attendants PROMPTS FEATURES Operator Name Ext. Dial End Repeat Name Ext. Speed Extension Action Attendant 431 - Auto Attendant play play play play play allowed allowed ---0 432 - Auto Attendant play play play play play allowed allowed ---0 433 - Auto Attendant play play play play play allowed allowed ---0 434 - Auto Attendant play play play play play allowed allowed ---0 435 - Auto Attendant play play play play play play allowed allowed ----Modify 0 436 - Auto Attendant play play play play play allowed allowed ----0 437 - Auto Attendant play play play play play allowed allowed ----0 438 - Auto Attendant play play play play play allowed allowed ----0 439 - Auto Attendant play play play play play allowed allowed ---0 Auto Attendant Menu Shortcuts map a single digit entered by the caller to an extension. Auto Attendant - Menu Shortcuts DIGIT 1 2 3 4 5 6 7 8 Action Attendant 431 - Auto Attendant --- --- --- --- --- <u>Modify</u> 432 - Auto Attendant --- --- --- --- --- ---Modify 433 - Auto Attendant --- --- --- --- --- --- ---Modify 434 - Auto Attendant --- --- --- --- --- --- --- ---Modify 435 - Auto Attendant --- --- --- ---Modify 436 - Auto Attendant --- --- --- --- --- ---Modify -- --- --- --- ---437 - Auto Attendant Modify 438 - Auto Attendant --- --- --- --- --- ---Modify 439 - Auto Attendant --- --- --- --- --- --- ---Modify

#### 1. Expand Phone System and click Auto Attendants.

Auto Attendants page

2. Review the list of Auto Attendants and the Prompts, Features, and Operator Extension associated with each. Click **Modify** to change any Auto Attendant.

					Pho	ne S	yste	m		
ne Allworx® allows you to corded your own custom										
Prompts: (the prompt will				-		-			y the deladic Allwork pr	ompes.
ame "Press #1 to dia										
Ext. Press #2 for a l									may find it helpful to r	
ial "If you know you					may dia	al it no	w."		e changes, then dial the ndant to test the effe	
nd "Press 9, or han epeat "Press * to lister									settings.	ct of the
spear Press to lister	nto triese	choic	Les d	igain					and the sector of the sector o	
eatures: (the feature wil	l be enabl	ed if	its b	ox is	checke	d belo	w)		rator Extension - del	
me entering #1 play									nsion dialed when the	
t. entering #2 play								diais	0 in the attendant ma	ain menu
and antimized DEC DO										
peed entering 350-39	9 transfer				ii numb				r	
<u></u>		PR	OM	PTS		FE	ATUR	_	Operator	
Attendant	Name	PR Ext.	Dial	PTS End	Repeat	FE Name	Ext.	Speed	Extension	
Attendant		PR	OM	PTS		FE		_		<b>•</b>
Attendant 31 Auto Attendant	Name	PR Ext.	Dial	PTS End	Repeat	FE Name	Ext.	Speed	Extension	• •
Attendant 31 Auto Attendant	Name	PR Ext. ☑		PTS End	Repeat IV	FE Name	Ext.	Speed	Extension 0 - Operator	
Attendant 31 Auto Attendant 32 Auto Attendant	Name V V	PR Ext. IZ		PTS End	Repeat IV IV	FE Name	Ext.	Speed	Extension 0 - Operator 0 - Operator	•
Attendant 31 Auto Attendant 32 Auto Attendant 33 Auto Attendant	Name	PR Ext. IV IV		PTS End IV IV	Repeat IV IV IV	FE Name IV	Ext. IV IV	Speed	Extension          0 - Operator         0 - Operator         0 - Operator         0 - Operator	- - -
Attendant 31 Auto Attendant 32 Auto Attendant 33 Auto Attendant 34 Auto Attendant	Name	PR Ext. IV IV IV	Dial Dial V V V	PTS End V V V	Repeat IV IV IV IV	FE Name マ マ マ	Ext.	Speed	Extension 0 - Operator 0 - Operator 0 - Operator 0 - Operator	• • •
Attendant 31 Auto Attendant 32 Auto Attendant 33 Auto Attendant 34 Auto Attendant 35 Auto Attendant	Name	PR Ext. IV IV IV IV IV	OMI Dial 모 모 모 모	PTS End 모 모 모 모 모	Repeat IV IV IV IV IV	FE Name	Ext. V V V V V V	Speed	Extension           0 - Operator	
Attendant 31 Auto Attendant 32 Auto Attendant 33 Auto Attendant 34 Auto Attendant 35 Auto Attendant 36 Auto Attendant	Name	PR Ext. IN IN I	ত Dial Dial ত U I I I I I I I I I I I I I I I I I I	PTS End 모 모 모 모	Repeat ए ए ए ए ए	FE Name V V V V	Ext. ए ए ए ए ए ए	Speed	Extension 0 - Operator 0 - Operator 0 - Operator 0 - Operator 0 - Operator 0 - Operator	- - - - -

Modify Auto Attendants page

- 3. Select an **Operator Extension** that will be dialed if the caller dials 0 during the Auto Attendant announcement. (Remember, you can select any extension to be the Operator Extension.)
- 4. You can also make any changes desired to the **Prompts** and **Features**.
- 5. Click Update.

# **Shortcuts for Auto Attendants**

You can now use shortcuts with the Auto-Attendants so a caller can transfer to an extension using a single digit. The shortcut can direct the caller to a user extension, a system extension, or another Auto Attendant. You can set up 8 different shortcuts for each Auto Attendant.

NOTE: Check the online help for additional information.



# You'll need this much time

Setting up shortcuts for Auto Attendants one will take less than 15 minutes.



# **Gather This Information**

You'll need the following information:

• User extension, system extension, or Auto Attendant to be called as a result of using the shortcut



# Before You Begin

• Determine which Auto Attendants will use the shortcuts.

# How to Set up a Shortcut for an Auto Attendant

					P	hone S	Syster	n		
he table below displa					gs for th	ne Auto	Attenda	nts' Pro		ures, and
'ou can also <u>manage</u>	the co	ntent		-		1020.000	Greeting	js and l	Messages.	
					Attend	ants				
		P	ROM	PTS		FI	EATURE	S	Operator	
Attendant	Name	Ext.	Dial	End	Repeat	Name	Ext.	Speed	Extension	Action
431 - Auto Attendant	play	play	play	play	play	allowed			0	
432 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
433 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
434 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
135 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	Modify
136 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
437 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
438 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
139 - Auto Attendant	play	play	play	play	play	allowed	allowed		0	
uto Attendant Menu Auto Attendan		nu Sl		uts		entered	by the			
Attendant	1 2	3	4 :	56	7 8	Action				
431 - Auto Attendant						Modify				
						Modify				
432 - Auto Attendant						Modify				
133 - Auto Attendant						Modify				
133 - Auto Attendant 134 - Auto Attendant										
433 - Auto Attendant 434 - Auto Attendant 435 - Auto Attendant	 					Modify				
433 - Auto Attendant 134 - Auto Attendant 135 - Auto Attendant 136 - Auto Attendant	 	 			·	Modify				
433 - Auto Attendant 434 - Auto Attendant 435 - Auto Attendant 436 - Auto Attendant 437 - Auto Attendant		  		 	·					
433 - Auto Attendant 134 - Auto Attendant 135 - Auto Attendant 136 - Auto Attendant		   		· · · · · ·	· · · · · · · · · · · · · · · · · · ·	Modify				

#### 1. Expand Phone System and click Auto Attendants.

Auto Attendants page

2. Click **Modify** in the Menu Shortcuts next to the Auto Attendant for which you want to set up a shortcut.

		Phone System
	uts for digits 1 through 8. A sho	w a caller to press a single digit to transfer to an extension. You can define rtcut can transfer to an internal user, system extension, or to another Auto
lenu s	Shortcuts 🙎	
Digit	Extension	
1	not used 💌	
2	not used 💌	
3	not used 💌	
4	not used 💌	
5	not used 💌	
6	not used 💌	
7	not used	
8	not used	

Modify Menu Shortcuts page

- 3. Select the extension for each digit you want to assign.
- 4. Click Update.
- 5. Repeat steps 2 4 to set up shortcuts for each Auto Attendant.

# Sample Setup: Set up an Auto Attendant Shortcut

Let's say you have two Auto Attendants set up:

- Auto Attendant 431 which answers for your entire company
- Auto Attendant 432 which answers for Customer Support

You want to set up a shortcut for Auto Attendant 431 so the caller can quickly reach Auto Attendant 432. You also want to set up two shortcuts for Auto Attendant 432 so the caller can quickly reach Customer Support (extension 200) and the other Auto Attendant (431).

NOTE: Check the online help for additional information.

#### Auto Attendant for the company:

- 1. Expand Phone System and click Auto Attendants.
- 2. Click Modify next to the Auto Attendant 431.
- 3. For digit 1, select extension 432 for the Customer Support Auto Attendant.
- 4. Click Update.
- 5. Record a custom message for Auto Attendant 431 that includes "Press 1 for Customer Service."

#### Auto Attendant for Customer Service:

- 1. Expand Phone System and click Auto Attendants.
- 2. Click **Modify** next to the Auto Attendant 432.
- 3. For digit 1, select extension 431 for the company Auto Attendant. For digit 2, select extension 200 for Customer Support.
- 4. Click Update.
- Record a custom message for the Auto Attendant that includes "Press 1 to speak to a customer service representative. Press 2 for the main company operator."