Polycom IP Phone Configuration Guides

Version 1.0

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Contents

For wireless server 300

Configuring Polycom KIRK Wireless Server 300 with MyPBX

IMPORTANT:

This guide has been tested with the following Firmware PCS06A. Be aware that different firmware revisions may have different web interface formats and functionality.

Register with MyPBX

1. Ensure that you have created the extension that you wish to use with the phone in MyPBX first. Take note of the Extension Number and password that you have entered for this extension.
2. Connect the Polycom KIRK Wireless Server 300 to the network using PoE. It will boot up, and providing you have DHCP installed on your network, will obtain an IP address. Now you can access the phone's web Configuration page by going to http://x.x.x.x where x.x.x.x is the IP address of the phone, the factory default username and password for accessing web Configuration on KWS300 is "admin" and "kws300".
3. General Configuration   settings

General Configuration

IP	
DHCP assigned	◉
Use static IP address	○
IP addr* **	192.168.0.1
Netmask **	255.255.255.0
Gateway **	
MTU **	
DNS	
Domain	
Primary Server	10.172.0.90
Secondary Server	
NTP	
Server **	pool.ntp.org
Time zone	GMT+2

Save   Cancel   Reboot

*) Required field **) Require restart

Figure 1-1

In the "Configuration\General" Section under "General Configuration", define IP, DNS and NTP settings for the KWS300.

4. Wireless Server Configuration

Figure 1-2

In the "Configuration /General" Section under "Wireless Server", configure the KWS300 to allow subscriptions. Handsets will not subscribe to the KIRK if this option is not enabled. Check the option "Auto Create Users". If enabled, unknown users will be automatically added to the system.

Enter a System Access Code. This is a system wide DECT access code required to subscribe handsets. In this example the Access Code is 456. You will be prompted for this code after powering up each handset.

5. Sip Configuration

SIP Configuration

General

Local port * **	5060
Transport * **	UDP only
Default domain * **	sip.test.com
Register each endpoint on separate port	☐
Send all messages to current registrar	☐
Registration expire(sec) *	600
Max forwards *	70
SIP type of service (TOS/Diffserv) * **	96

Proxies

	Priority	Weight	URI
Proxy 1 **	1	100	sip:192.168.5.150
Proxy 2 **	2	100	
Proxy 3 **	3	100	
Proxy 4 **	4	100	

Authentication

Default user *	500
Default password	•••

DTMF signalling

Send as RTP (rfc2833)	☑
Offered rfc2833 payload type	**101**
Send as SIP INFO	☐
Tone duration(msec) *	270

Message waiting indication

Enable indication	☑
Enable subscription **	☑
Subscription expire(sec) *	3600

Media

Packet duration(msec) *	20
Media type of service (TOS/Diffserv) * **	184
Port range start * **	**10000**
Codec priority *	1: PCMU/8000
	2: PCMA/8000
Require symmetric RTP **	☑

Call status

Play on-hold tone	☑
Display status messages	☑

Figure 1- 3

Click on Configuration / SIP and comfit SIP settings which include type of transport, default domain, registration interval, Proxy addresses, DTMF signaling, message waiting indicator options and media settings. Also check

"Play on-hold tone" to enable playing of music on hold during Hold/Resume and transfer operations.

In addition, the 'payload type' should be set as 101 for successful registration.

6. Click on Users to Configure in the KIRK wireless server. You can configure in 2 ways – either manually or with the option Auto Create Users. This example will describe the Auto create users method.

1) Power on a handset. For this example, the handset used is a POLYCOM KIRK 5020. Click on menu, Settings, Advanced, Login, and press the Create Login soft key. The handset will start searching for DECT connections.

2) A number will be displayed on the handset display. Select this number and press ok. Enter the Access Code (in this 456) and press OK.

3) Go to the User List section in the KIRK server web console and you will notice that a new user is created. At this point the user is subscribed to the KIRK but unknown / unregistered to MyPBX.

Figure 1- 4

Click this user account and a USER screen will be displayed.

Figure 1-5

4) Enter the following information as depicted in the above screenshot
- In the SIP section, enter 500 as the Username/Extension field
- Enter the Domain or IP address of the MyPBX Server Example: 192.168.5.150
- Configure a display name for this handset Example: Fred House
- Enter Authentication user and Authentication password details in the respective fields.
  These must match the credentials entered in MyPBX Management console when extension 500 was created.
- Uncheck the checkbox "Disabled" to enable this handset.
- Press on the Save button and you will notice that the updated User List contains a new entry for Extension 500 with the display name of Fred House.

Figure 1-6

This screenshot shows that the handset is subscribed to the KIRK server and also registered to the MyPBX server.

Congratulations – You have successfully configured the KIRK Wireless Server 300 together with Polycom Handsets to work with MyPBX.

For SoundPoint

Manually Configure a Polycom Sound Point IP 321, 331, 450, 550, 560, 650, 670 with MyPBX

Important:

This guide has been tested with firmware version 3.3.1 and Bootrom 4.3.0. Be aware that different firmware revisions may have different web interface formats and functionality.

It is based on a new phone OR one that has been reset to factory defaults. If in doubt, reset the phone to Factory Defaults..

Register with MyPBX

1. Start up the phone and identify its IP Address – using the menu key on the phone, go to the "Status" option, then to the "Network" option, and select the "TCP/IP Parameters" option. For this example we will assume the IP Address of the phone is 192.168.5.126, and the IP Address of the MyPBX machine is 192.168.5.150.
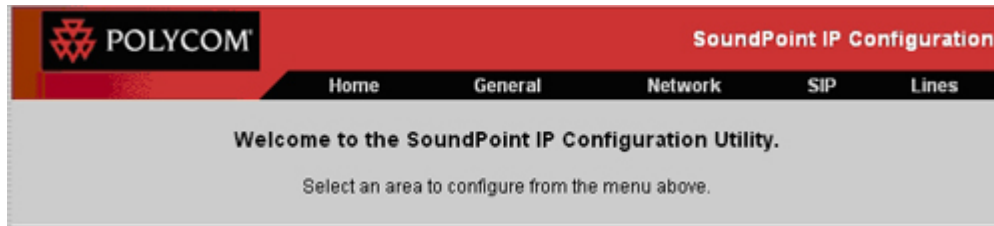2. Point your browser to the web interface of the phone: http://192.168.5.126

Figure 2-1

3. We now need to set the phone to register with MyPBX. Click on the "Lines" tab, and configure as follows:

Figure 2-2

4. In the "Identification" section of the "Lines" tab:
    1) Set the "Display Name" field to the name you want to appear on the Phone display.
    2) Set the "Address" field to the extension number you want to associate with this phone.
    3) Set the "Auth User ID" field to the extension's number.

    4) Set the "Auth Password" field to the extension's Password.

5. In the "Server 1" section of the "Lines" tab:

    1) Set the "Address" field to the IP Address of MyPBX server – in this example, 192.168.5.150.

    2) Set the "Port" field to 5060, which is the default

6. In the "Local Settings" section of the "SIP" page, set the "Digit map" field to blank by removing all the contents.

Local Settings	
Local SIP Port	
Calls Per Line Key	
New SDP Type	○ Enabled ● Disabled
LCS Support	○ Enabled ● Disabled
Non Standard Line Seize	● Enabled ○ Disabled
Digitmap	
Digitmap Timeout	
Remove End-Of-Dial Marker	● Enabled ○ Disabled
Digitmap Impossible Match	0

Figure 2-3

7. Click the "Submit" button at the bottom of the page. Your phone will restart. After rebooting, the phone will register with MyPBX. This can be verified via the "Line Status" page of MyPBX Management Console.

For Sound Station

Configuring Polycom Sound Station IP5000/IP6000/IP7000 with MyPBX

IMPORTANT :

This guide has been tested with Boot ROM 4.3.0 and firmware SIP 3.3.1. Be aware that different firmware revisions may have different web interface formats and functionality.

This guide is applicable for the following Polycom Sound station models: Polycom Sound Station IP6000 and IP7000 for use with MyPBX.

Register with MyPBX

1. Obtain the IP address of the phone to be able to access the web interface. Press "Menu" on the phone and select "Status". From that menu select "Network" and then "TCP/IP Configuration Parameters". You will be shown the IP of the phone. Use your web browser to navigate to this IP. The interface will be shown. Default user name is Polycom, Password is 456

2. Click on the SIP tab and "Outbound Proxy"

Figure 3-1

In the "Servers" section, under "Outbound Proxy" configure the fields as follows:

   1) Address: Enter the IP Address of the MyPBX - example: 192.168.5.150
   2) Port: 5060
   3) Transport: UDP only
   4) Expires: 3600

3. Click "Submit". The phone will restart. After restarting, go back to the web interface and click the "LINE" tab.

Figure 3-2

4. Under the "Identification" section, configure the following settings:
   1) Display Name: Enter an identifier, for example "Conference"
   2) address: The extension number as set in MyPBX
   3) Auth User ID: extension number Configured in MyPBX
   4) Auth Password: Password Configured in MyPBX
   5) Label: An identifier, you can put the extension number here
   6) Num Line Keys: 1
   7) Calls Per Line: 1
5. Under the section "Server 1" user the following settings:
   1) Address: IP address of the PBX, in this example ,the IP address is 192.168.5.150
   2) Port: 5060
   3) Transport: UDP only
   4) Expires: 3600

Now click on the submit button. The phone will restart and register with MyPBX.

<Finish>