Cisco
IP Phone
Configuration Guides

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Guide for CISCO SPA

Manually Configuring a CISCO SPA 501G, 502G, 504G, 508G, 509G, 525G for MyPBX

Important:

This guide has been tested with firmware version 7.4.6. Be aware that different firmware versions may have different web interface formats and functionality.

This 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

Configuring the Phone to Register with MyPBX

1. Start up the phone and identify its IP Address – using the menu key on the phone, go to the "Network" option and press the "Select" button. For this example we will assume the IP Address of the phone is 192.168.5.126, and 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
3. Click on the "Admin Login" link, and next click on the "Advanced" link at the top of the page to the phone's advanced administration page

Figure 1-1

4. We now need to set the phone to register with MyPBX. Click on the "Ext1" tab, and configure as follows:
   1) Set the "Line Enable" field to "yes

Figure 1-2

2) In the "Proxy and Registration" section, set the "Proxy" field to the IP Address of the MyPBX server – in this example, 192.168.5.150.

Figure 1-3

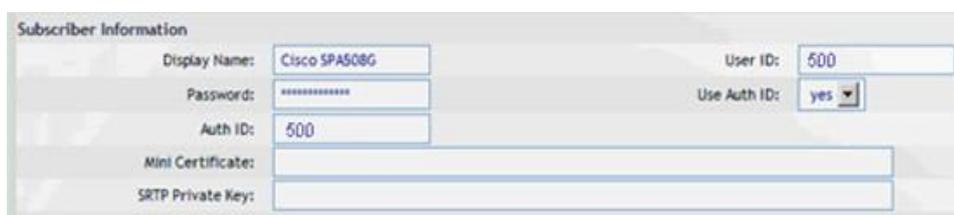3) In the "Subscriber Information" section:

Figure 1-4

- Set the "Display Name" field to the name you want to appear on the Phone display
- Set the "User ID" field to the extension number you want to associate with this phone
- Set the "Password" field to the extension's Authentication Password
- Set the "Use Auth ID" field to "yes"
- Set the "Auth ID" field to the extension's Authentication ID In the "Dial Plan" section, set the "Dial Plan" field to "[x*]." (without the quotes)

Figure 1-5

5. Next, we need to configure the Voice Mail Number on the phone to be able to retrieve Voice Mail messages from MyPBX. Click on the "Phone" tab and set the "Voice Mail Number" field to Voice Mail Number you have set in MyPBX.

6. Next, we need to adjust the audio parameters. Click on the "SIP" tab and, in the "RTP Parameters" section, set the "RTP Packet Size" field to "0.020"

Figure 1-6

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

Configuration for Remote Extensions

If you want to configure the phone as a Remote Extension, you will need to ensure that the "Proxy" field is set to the Public IP Address of the PBX, and also perform the following configuration adjustments:

Figure 2-1

1. Go to the "Ext1" tab
2. Go to the "NAT Settings" section
3. Set the "NAT Mapping Enable" field to "yes"
4. Set the "NAT Keep Alive Enable" field to "yes"

Figure 2-2

5. Go to the "SIP" tab
6. Go to the "NAT Support Parameters" section
7. Set the "Handle VIA rport" field to "yes"
8. Set the "Insert VIA rport" field to "yes"
9. Set the "STUN Enable" field to "yes"
10. Set the "STUN Server" field to "stunserver.org" – to allow the phone to discover its external IP Address, and the port mappings that will be applied to the traffic sent and received by the phone ,the default port is 5060 for TCP and 10000-12000 for RTP
11. Click the "Submit All Changes" button at the bottom of the page.

Your phone will restart.

<Finish>