

Snom IP Phone Configuration Guides

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Snom IP phone Configuration Guides

This guide has been tested for Snom 300, 320,360,370, 820, 821, 870 with firmware version 8.7.3.X. Be aware that different firmware revisions may have different web interface formats and functionality.

This guide will configure the IP phone with default configuration. If you are not sure about the configuration of your IP phone, please reset your phone.

Register with MyPBX manually

1. Start up the phone and identify its IP Address by pressing the "Help" or "7" button. For this example we will assume the IP Address of the phone is 192.168.5.126, and IP Address of the MyPBX Phone System machine is 192.168.5.250
2. Point your browser to the web interface of the phone: http://192.168.5.126
3. We now need to set the phone to register with MyPBX Phone System. Go to the "Setup -> Identity 1" page, and in the "Login" tab:

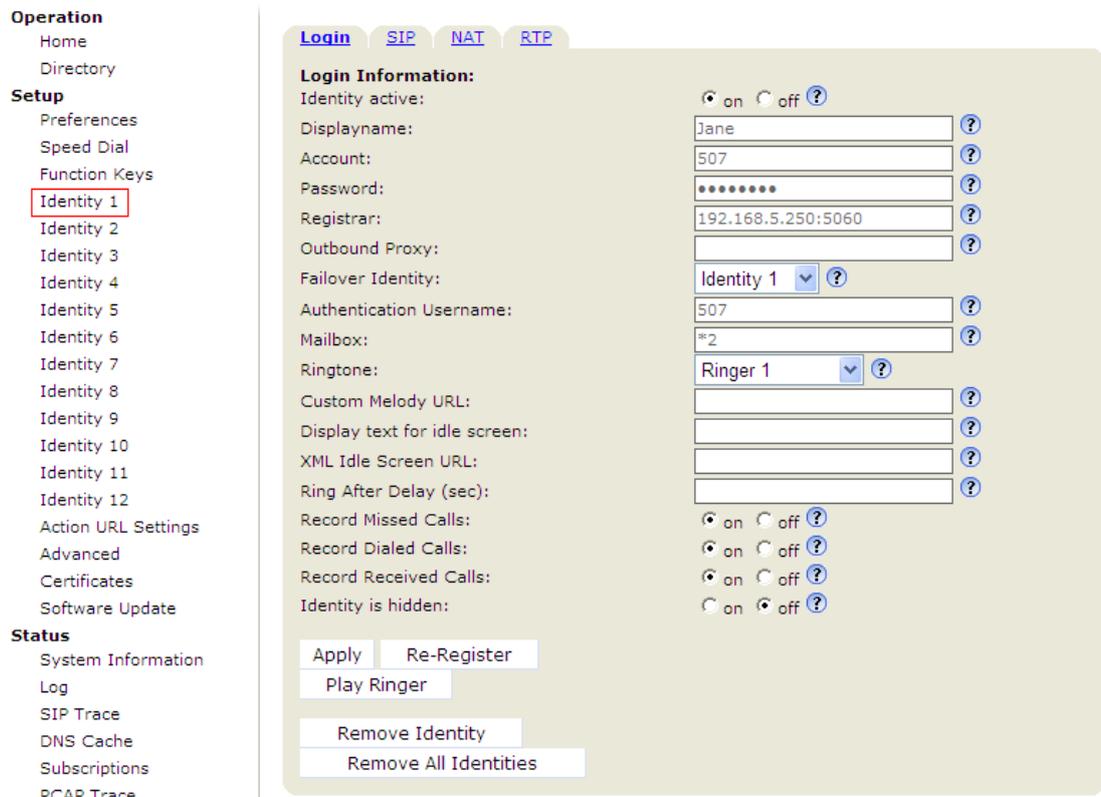


Figure 1-1

- 1) Set the "Identity Active" field to "on"
- 2) Set the "Display name" field to the name you want to appear on the

Phone display

- 3) Set the "Account" field to the extension number you want to associate with this phone
 - 4) Set the "Password" field to the extension's Authentication Password
 - 5) Set the "Register" field to the IP Address of the MyPBX Phone System – in this example, 192.168.5.250:5060.
 - 6) Set the "Authentication Name" field to the extension's Authentication ID
 - 7) Set the "Mailbox" field to your system's Special Voice Mail Extension Number.
4. Next, we need to adjust the audio parameters. Click on the "RTP" tab and set the "RTP Encryption" field to "off" if you disable the SRTP in extension settings of MyPBX Management Console

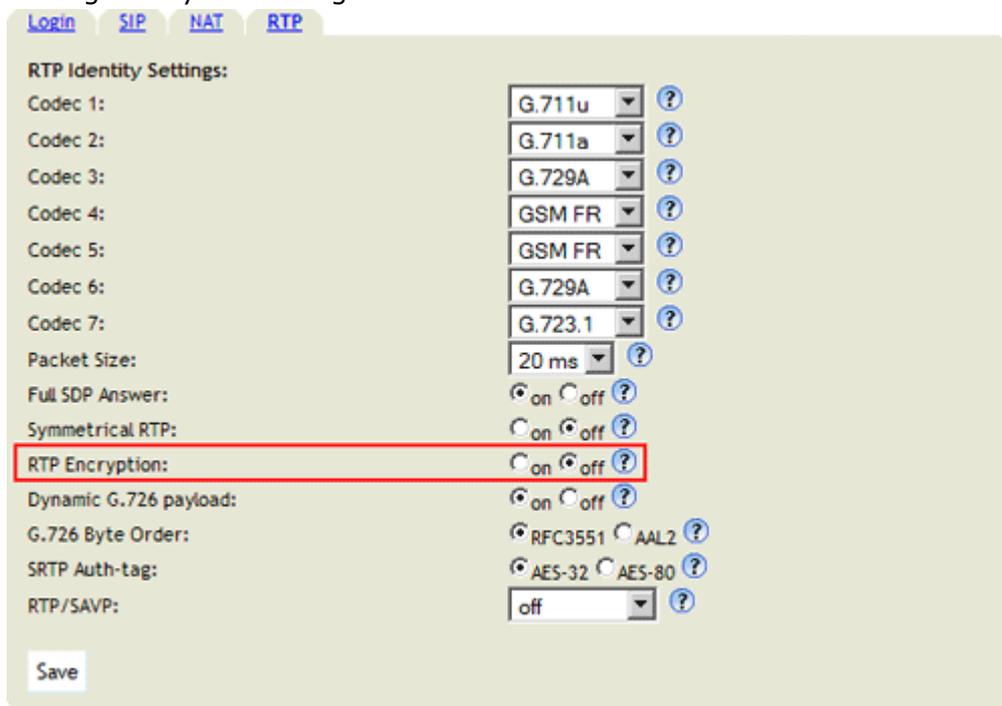
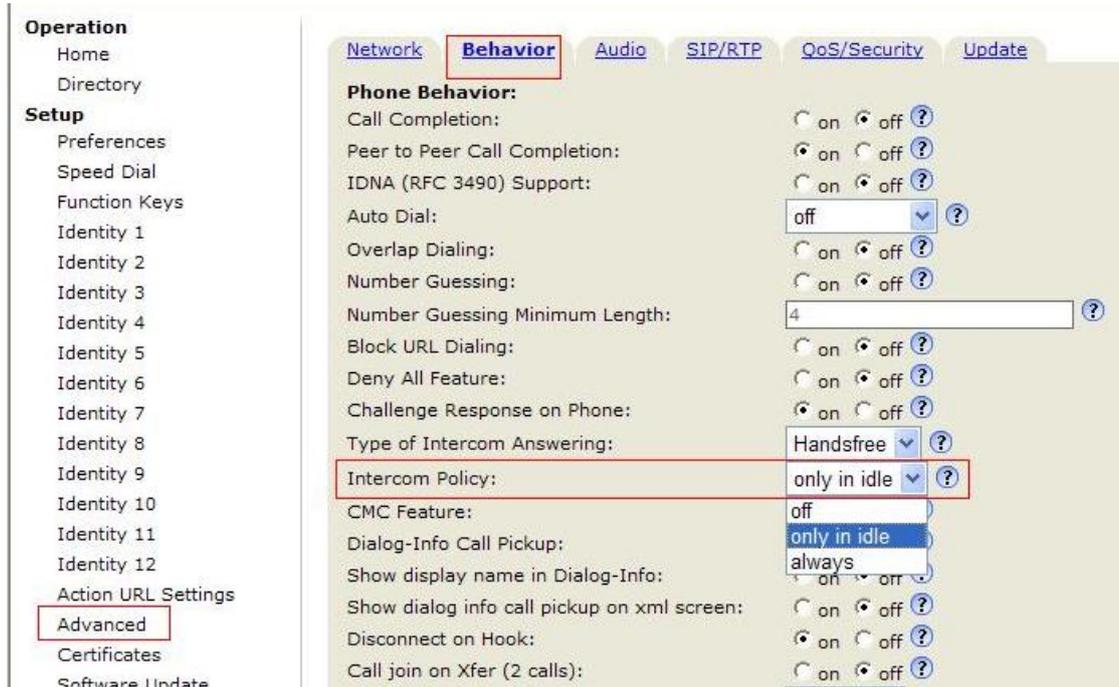


Figure 1-2

5. Click the "Save" button, and then click the "Reboot" button that appears at the top of the page. Your phone will restart. After rebooting, the phone will retrieve its configuration files and register with MyPBX Phone System. This can be verified via the "Extension Status" page of MyPBX Management Console.

6. For some issues about function of intercom, please refer to the following setting on snom web interface



The screenshot displays the 'Behavior' configuration page for a Snom IP phone. The left sidebar contains a navigation menu with 'Advanced' highlighted. The main content area shows various settings under the 'Phone Behavior' section. The 'Intercom Policy' dropdown menu is open, showing options: 'off', 'only in idle', and 'always'. The 'only in idle' option is selected and highlighted in blue. A red box highlights the 'Intercom Policy' label and its dropdown menu. Other settings include 'Call Completion', 'Peer to Peer Call Completion', 'IDNA (RFC 3490) Support', 'Auto Dial', 'Overlap Dialing', 'Number Guessing', 'Number Guessing Minimum Length', 'Block URL Dialing', 'Deny All Feature', 'Challenge Response on Phone', 'Type of Intercom Answering', 'CMC Feature', 'Dialog-Info Call Pickup', 'Show display name in Dialog-Info', 'Show dialog info call pickup on xml screen', 'Disconnect on Hook', and 'Call join on Xfer (2 calls)'.

Figure 1-3

Provisioning for MyPBX

Provisioning a Snom 300, 320, 360, 370 for MyPBX

This guide has been tested for Snom 300, 320, 360, 370 with firmware version 8.7.3.7.

The easiest way to set up a Snom phone for use with MyPBX is to use the built-in plug and play provisioning functionality inside MyPBX. This will allow the phone to configure itself by retrieving a generated phone configuration file. Alternatively you can configure using DHCP and option. For more information, see this configuration guide.

1. Verify Firmware Installed on your Phone

Verify the firmware version currently installed on the phone as older firmware will not have the plug and play feature. You can power up the phone and press "Menu > Status > Firmware" to check. Go to Snom Support Website to download the latest firmware for your phone.

2. Plug phone into the network

Plug your Snom phone into your LAN. (The Phone must be on the same LAN as that of MyPBX IP PBX).

3. Approve phone and Assign an Extension

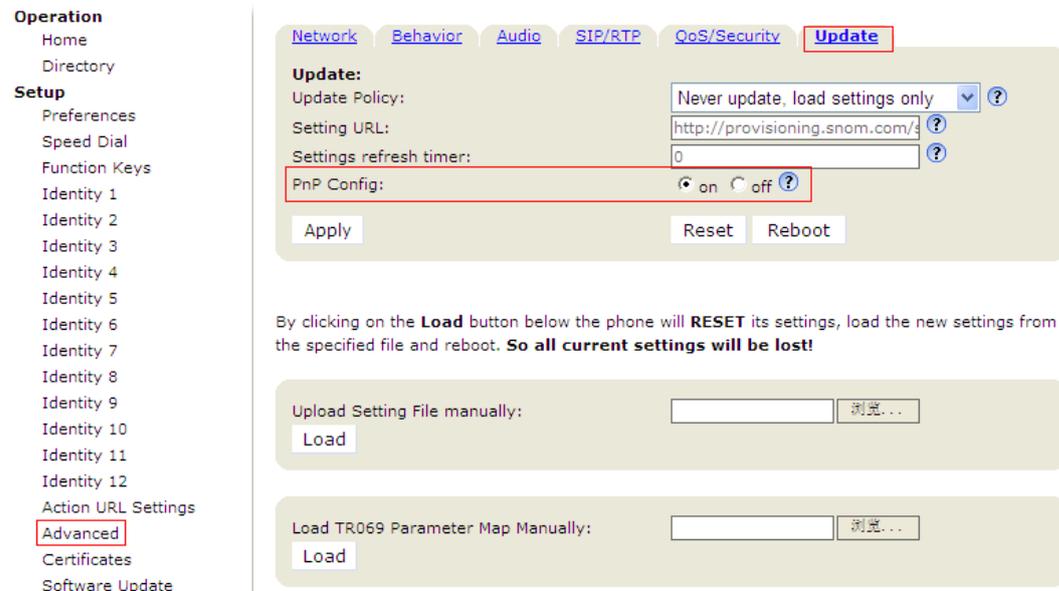
To do provisioning with Snom IP phones, you can choose PnP mode or DHCP mode. When you phone provisioning via PnP mode, there is no need to set MyPBX working as the only DHCP server any more.

Phone provisioning via PnP mode

Step1. Check if PnP is enabled in IP phone side

Here is an example of Snom IP Phone

Click Setup → Advanced → Update to check the details



Operation
Home
Directory

Setup
Preferences
Speed Dial
Function Keys
Identity 1
Identity 2
Identity 3
Identity 4
Identity 5
Identity 6
Identity 7
Identity 8
Identity 9
Identity 10
Identity 11
Identity 12
Action URL Settings
Advanced
Certificates
Software Update

Update:
Update Policy: Never update, load settings only
Setting URL: http://provisioning.snom.com/3
Settings refresh timer: 0
PnP Config: on off
Apply Reset Reboot

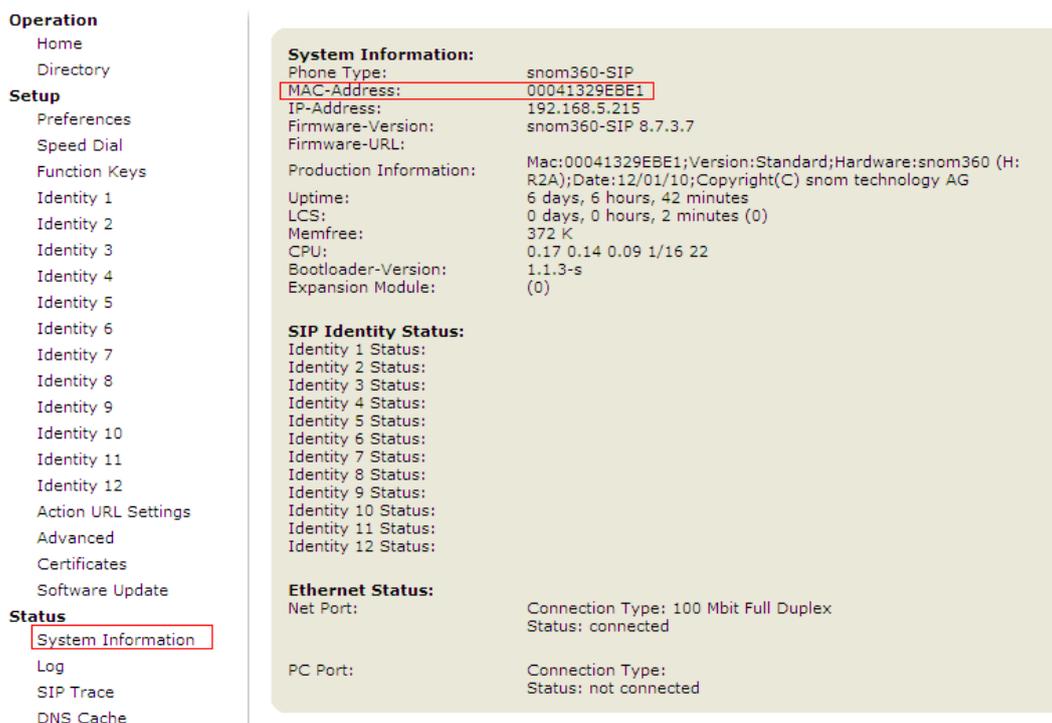
By clicking on the **Load** button below the phone will **RESET** its settings, load the new settings from the specified file and reboot. **So all current settings will be lost!**

Upload Setting File manually: 浏览...
Load

Load TR069 Parameter Map Manually: 浏览...
Load

Figure 3-1

Step2. Check MAC address of your Snom IP Phone on "Status→System Information" page.



Operation
Home
Directory

Setup
Preferences
Speed Dial
Function Keys
Identity 1
Identity 2
Identity 3
Identity 4
Identity 5
Identity 6
Identity 7
Identity 8
Identity 9
Identity 10
Identity 11
Identity 12
Action URL Settings
Advanced
Certificates
Software Update

Status
System Information
Log
SIP Trace
DNS Cache

System Information:
Phone Type: snom360-SIP
MAC-Address: 00041329EBE1
IP-Address: 192.168.5.215
Firmware-Version: snom360-SIP 8.7.3.7
Firmware-URL:
Production Information: Mac:00041329EBE1;Version:Standard;Hardware:snom360 (H:R2A);Date:12/01/10;Copyright(C) snom technology AG
Uptime: 6 days, 6 hours, 42 minutes
LCS: 0 days, 0 hours, 2 minutes (0)
Memfree: 372 K
CPU: 0.17 0.14 0.09 1/16 22
Bootloader-Version: 1.1.3-s
Expansion Module: (0)

SIP Identity Status:
Identity 1 Status:
Identity 2 Status:
Identity 3 Status:
Identity 4 Status:
Identity 5 Status:
Identity 6 Status:
Identity 7 Status:
Identity 8 Status:
Identity 9 Status:
Identity 10 Status:
Identity 11 Status:
Identity 12 Status:

Ethernet Status:
Net Port: Connection Type: 100 Mbit Full Duplex
Status: connected
PC Port: Connection Type:
Status: not connected

Figure 3-2

Step3. Reboot Snom IP phone.

Step4. Search MAC address you would like configure in "phone provisioning"→" Not Configured Phone" page

In this case, the MAC address of Snom IP phone is 00041329EBE1

<input type="checkbox"/>	71	0015651b2821	Yealink	--
<input type="checkbox"/>	72	0015653416a8	Yealink	--
<input type="checkbox"/>	73	00041329ebe1	Snom	snom360
<input type="checkbox"/>	74	0015652991f2	Yealink	--
<input type="checkbox"/>	75	00156540ae00	Yealink	--
<input type="checkbox"/>	76	001565113256	Yealink	--
<input type="checkbox"/>	77	001565132161	Yealink	T28
<input type="checkbox"/>	78	00a859c7740a	Fanvil	C62

Figure 3-3

Fill in the phone detail message on the pop-up windows.

Input Name, Call waiting, Line, Extension, Label, Line active and so on for the phone.

Add Phone
X

General

Enabled:	<input type="text" value="Yes"/>		
MAC Address:	<input type="text" value="00041329ebe1"/>	Name:	<input style="border: 2px solid red;" type="text" value="Jane"/>
Manufacturer:	<input type="text" value="Snom"/>	Phone Type:	<input type="text" value="360"/>
Call Waiting:	<input type="text" value="Enabled"/>	Key As Send:	<input type="text" value="#"/>
Phone Book:	<input type="text" value="Enabled"/>		

Line

<input checked="" type="checkbox"/>	Line1	Extension: <input type="text" value="506"/>	Label: <input type="text" value="506"/>	Line Active: <input checked="" type="checkbox"/>
<input type="checkbox"/>	Line2	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line3	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line4	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line5	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line6	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line7	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line8	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line9	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line10	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line11	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line12	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>

Function Key Settings
⌵

Figure 3-4

Step5. Save the settings and reboot the IP phone. After you save the changes, system will prompt you to save the changes and reboot to save changes without rebooting. Click OK to reboot the IP phone and provisioning the phone.

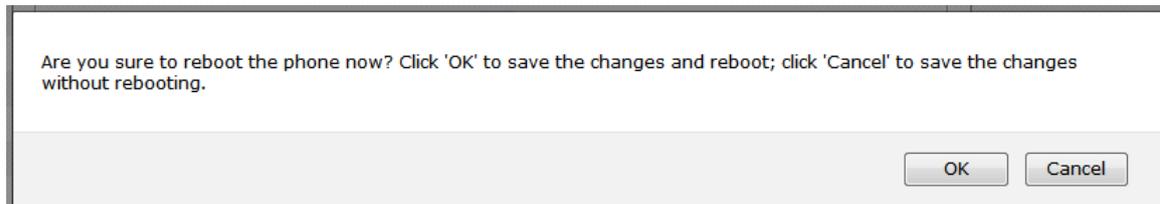


Figure 3-5

Then IP phone will reboot twice to apply the configurations take effect, when done, you can find the account 500 is registered in MyPBX's line status page and Snom IP phone's status page.

Phone provisioning via DHCP mode

Step 1. Disable DHCP Server on your local network.

E.g. Disable DHCP Server on Linksys Router.

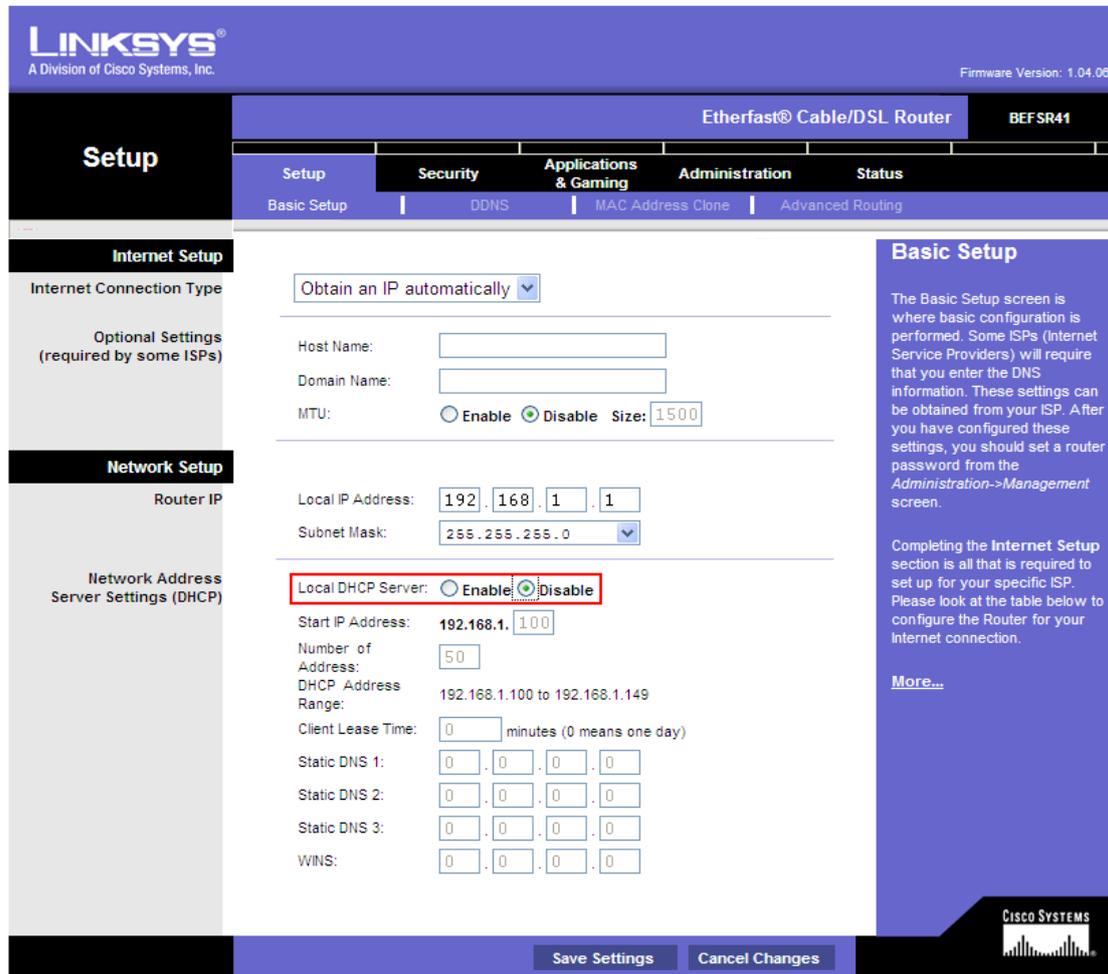


Figure 3-6

Step2. Enable DHCP Server on MyPBX.

Login MyPBX web interface, System Settings → DHCP Server → Enable DHCP Server.

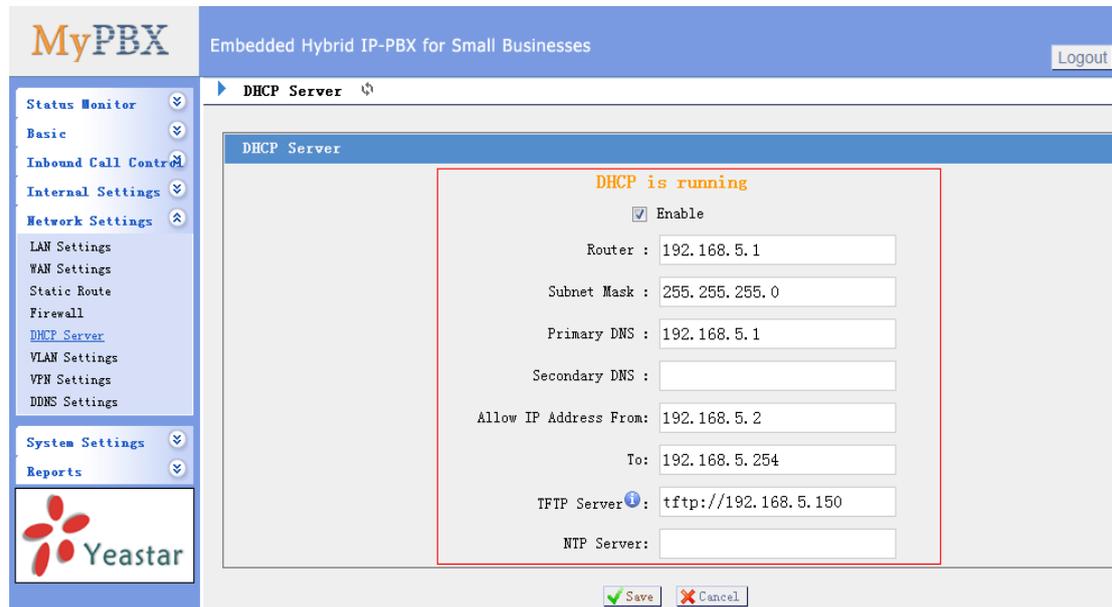


Figure 3-7

Step3. Configure phones on MyPBX Auto-Provision page.

1. Login MyPBX web interface, Basic → Auto Provision → Create New Phone.

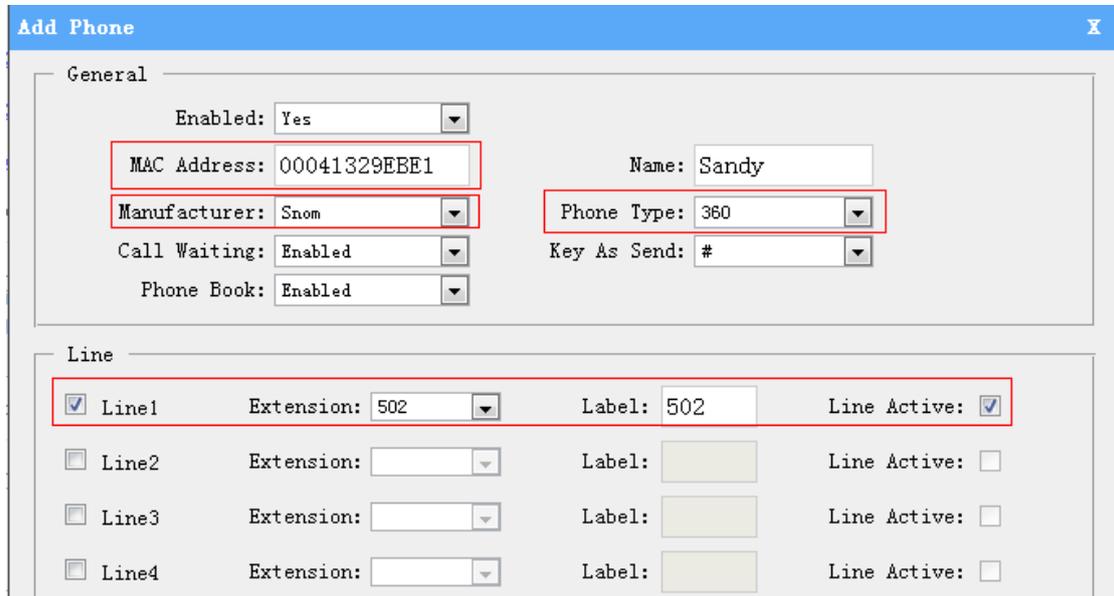


Figure 3-8

2. Fill in the phone detail message on the pop-up windows.

Input IP Phone's MAC address, configure Name, Call waiting, Line, Extension, Label, Line active and so on for the phone.

Save it and apply the changes on web



General			
Enabled:	Yes		
MAC Address:	00041329EBE1	Name:	Sandy
Manufacturer:	Snom	Phone Type:	360
Call Waiting:	Enabled	Key As Send:	#
Phone Book:	Enabled		

Line				
<input checked="" type="checkbox"/>	Line1	Extension: 502	Label: 502	Line Active: <input checked="" type="checkbox"/>
<input type="checkbox"/>	Line2	Extension:	Label:	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line3	Extension:	Label:	Line Active: <input type="checkbox"/>
<input type="checkbox"/>	Line4	Extension:	Label:	Line Active: <input type="checkbox"/>

Figure 3-9

Step4. Save the settings and reboot the IP phone. After you save the changes, system will prompt you to save the changes and reboot to save changes without rebooting. Click OK to reboot the IP phone and provisioning the phone.

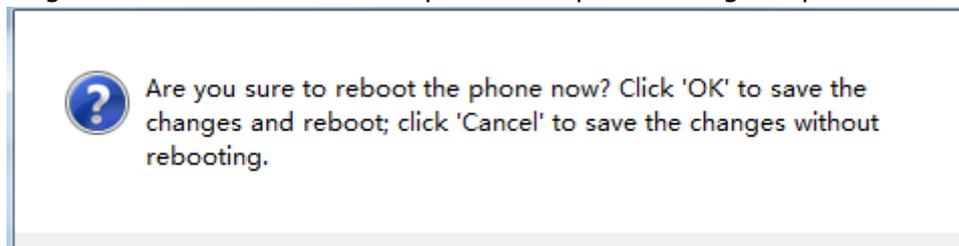


Figure 3-10

Remark: The factory default setting of DHCP for IP Phone is “enable”, so you can skip this step to step 5.

If the DHCP is disabled, please follow below step to enable it. (e.g.: Snom’s IP Phone).

1. Login IP phone’s web page.
2. Enable DHCP.

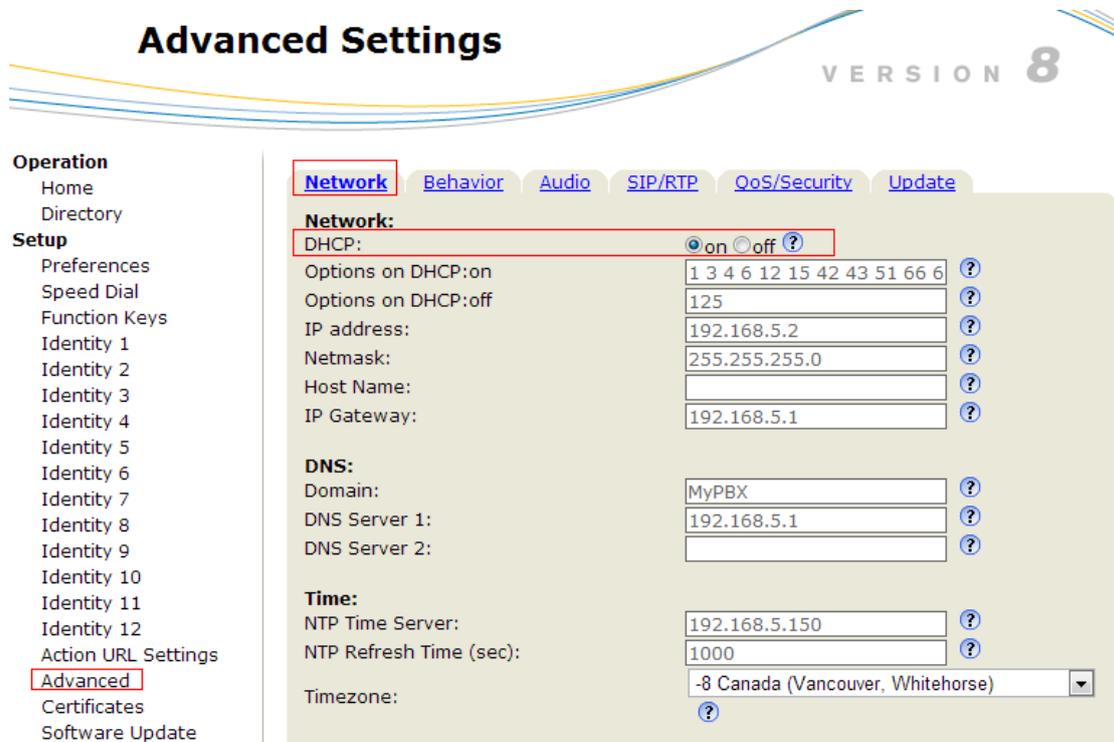


Figure 3-9

Then IP phone will reboot twice to apply the configurations take effect, when done, you can find the account 500 is registered on MyPBX’s line status page.

Step5. Done

<Finish>