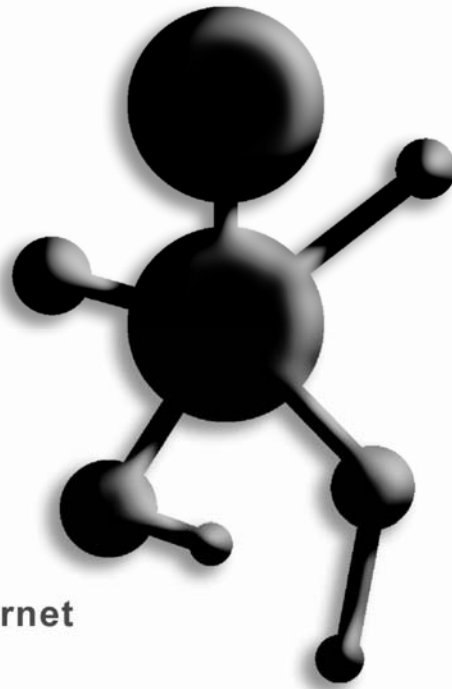


BBPGlobal
Add voice to your internet



SNOM 320 / 360 VoIP Phone Configuration Instructions

Version 1.0

Installation Instruction of SNOM 320/360 IP Phone

A. Physical Connection

1. Connect the internet source (eg. Router / ADSL modem) to the “Net” port of SNOM 320/360
2. Connect the power source to the “DC +5V” port

B. Enter Configuration Menu

1. Look for the IP address of the phone. On the phone, press “Menu” -> “Network” -> “IP Address”. Key this IP address onto the address bar of the browser window.

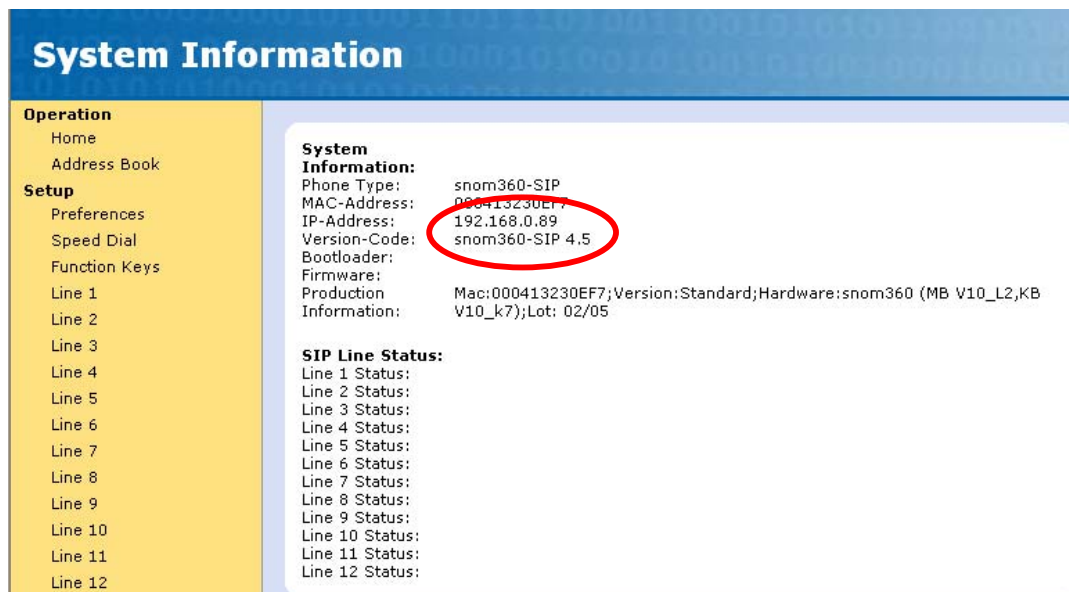
C. Switch to Administrator Mode

1. Click “Advanced” and put in the password “0000” when prompted.

D. Check Firmware Version

This instruction is written base on firmware version 4.5. Please check firmware version and upgrade if necessary. It is required to upgrade it to use BBPGlobal service. To check firmware version:

1. Click the “System Information” link on the left menu. The firmware version is illustrated as below:



System Information

Operation	System Information
Home	System Information:
Address Book	Phone Type: snom360-SIP
Setup	MAC-Address: 000413230E77
Preferences	IP-Address: 192.168.0.89
Speed Dial	Version-Code: snom360-SIP 4.5
Function Keys	Bootloader:
Line 1	Firmware:
Line 2	Production Mac:000413230EF7;Version:Standard;Hardware:snom360 (MB V10_L2,KB
Line 3	Information: V10_k7);Lot: 02/05
Line 4	SIP Line Status:
Line 5	Line 1 Status:
Line 6	Line 2 Status:
Line 7	Line 3 Status:
Line 8	Line 4 Status:
Line 9	Line 5 Status:
Line 10	Line 6 Status:
Line 11	Line 7 Status:
Line 12	Line 8 Status:
	Line 9 Status:
	Line 10 Status:
	Line 11 Status:
	Line 12 Status:



E. Upgrade Firmware to Version 4.5 (required to use BBPGlobal service)

1. Click “Software Upgrade” on the left-hand-side menu
2. In the “Firmware” field, type in the following:
 - a. <http://www.snom.com/download/snom320-4.5-SIP-j.bin> (for SNOM 320), or
 - b. <http://www.snom.com/download/snom360-4.5-SIP-j.bin> (for SNOM 360)
3. Click “Load”.
4. Press the “Yes” button when prompted.
5. The phone would reboot. Do not turn off the power during this time.

Manual Software Update

<p>Operation</p> <ul style="list-style-type: none"> Home Address Book <p>Setup</p> <ul style="list-style-type: none"> Preferences Speed Dial Function Keys Line 1 Line 2 Line 3 Line 4 Line 5 Line 6 	<p>You may explicitly specify which software version you want to run on this phone. Please fill in the http URL that you want to use for the bootloader and/or the firmware. If you want to change only the firmware, leave the bootloader empty, if you want to change only the bootloader, leave the firmware empty. Please use only complete http URL (like http://www.snom.com/download/share/snom200-2.05e.bin). The phone will reboot after you press the load button.</p> <p style="color: red; text-align: right;"> http://www.snom.com/download/snom320-4.5-SIP-j.bin or http://www.snom.com/download/snom360-4.5-SIP-j.bin </p> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;"> <p>Manual Software Update:</p> <p>Bootloader: <input style="width: 150px;" type="text"/></p> <p>Firmware: <input style="width: 150px;" type="text"/></p> <p><input type="button" value="Load"/></p> </div>
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F. Preference

Click on the “Preference” link and fill in the following information:

Preferences

Operation

- Home
- Address Book

Setup

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

Status

- System Information
- Log
- SIP Trace
- DNS Cache
- PCAP Trace
- Memory
- Settings

Manual

Preferences

General Information:

Webinterface Language: English

Language: English

Number Display Style: Number

Tone Scheme: Australia

MWI Notification: Silent

MWI Dial Tone: Stutter

Use Headset Device: None

Use Backlight: on off

U.S. date format (mm/dd): on off

24 Hour clock: on off

Use Flash Plugin: on off

Redirection:

Event: Never

Timeout:

Number (Redirect):

Number (Busy):

Ringtone defaults:

Ringer Device for Headset: Use Speaker

Default Ringer: Ringer 1

Address Book Ringtones:

"Friends": Ringer 1

"Family": Ringer 1

"Colleagues": Ringer 1

"VIP": Ringer 1

Custom Melody URL:

Auto Answer:

Auto Answer Indication: on off

Type of Answering: Handsfree

Privacy Settings:

Call Line Identification Presentation (CLIP): Hide Show

Call Line Identification Restriction (CLIR): Reject Accept

Presence Inactivity Timeout (in minutes):

Click “Save” to save changes.



G. Advanced Settings

Advanced Settings

<p>Operation</p> <ul style="list-style-type: none"> Home Address Book <p>Setup</p> <ul style="list-style-type: none"> Preferences Speed Dial Function Keys Line 1 Line 2 Line 3 Line 4 Line 5 Line 6 Line 7 Line 8 Line 9 Line 10 Line 11 Line 12 Action URL Settings Advanced Trusted Certificates Software Update <p>Status</p> <ul style="list-style-type: none"> System Information Log SIP Trace DNS Cache PCAP Trace Memory Settings <p>Manual</p> <p style="font-size: 24px; font-weight: bold; color: #0070c0;">snom</p> <p>© 2000-2005 snom AG</p>	<p>Network:</p> <p>DHCP: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>IP address: <input type="text" value="192.168.0.82"/></p> <p>Netmask: <input type="text" value="255.255.255.0"/></p> <p>Phone name: <input style="color: red;" type="text" value="Enter Extension # here"/></p> <p>IP Gateway: <input type="text" value="192.168.0.1"/></p> <p>DNS:</p> <p>Domain: <input type="text"/></p> <p>DNS Server 1: <input type="text" value="139.130.4.4"/></p> <p>DNS Server 2: <input type="text" value="192.231.203.132"/></p> <p>Time:</p> <p>NTP Time Server: <input type="text" value="192.53.103.103"/></p> <p>Timezone: <input type="text" value="+10 Australia (Sydney, Melbourne, Canberra)"/></p> <p>HTTP:</p> <p>User: <input type="text"/></p> <p>Password: <input type="text"/></p> <p>Authentication Scheme: <input type="radio"/> Digest <input checked="" type="radio"/> Basic</p> <p>HTTP Proxy: <input type="text"/></p> <p>HTTP port: <input type="text" value="80"/></p> <p>HTTPS port: <input type="text" value="443"/></p> <p>Register http contact: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Webserver connection type: <input type="text" value="http or https"/></p> <p>Phone Behavior:</p> <p>Call Completion: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>IDNA (RFC 3490) Support: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Detect Ethernet Cable Unplug: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Action on Ethernet cable replug: <input type="text" value="Ignore"/></p> <p>Auto Dial: <input type="text" value="off"/></p> <p>Number Guessing: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Block URL Dialing: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Deny All Feature: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Audio Device Indicator: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Challenge Response on Phone: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Enable Intercom: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>CMC Feature: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Dialog-Info Call Pickup: <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Call Waiting Indication: <input type="text" value="on"/></p> <p>Dialtone during Hold: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Holding Reminder: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Disconnect on Hook: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>Call join on Xfer (2 calls): <input type="radio"/> on <input checked="" type="radio"/> off</p> <p>Alert Info playback: <input checked="" type="radio"/> on <input type="radio"/> off</p> <p>AOC Amount Display: <input type="text" value="off"/></p> <p>AOC Pulse Currency: <input type="text" value="\$"/></p> <p>AOC Cost/Pulse: <input type="text" value="1"/></p> <p>Partial Number Lookup: <input type="radio"/> on <input checked="" type="radio"/> off</p>
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Keys:
 Transfer on Onhook: on off
 Block DND: on off
 Logon Wizard: on off

Preselection:
 Prefix:

Audio:
 Mute Microphone: on off
 Disable Casing Speaker: on off
 DTMF echo on Speaker Phone: on off
 Keytones: on off
 Call Released Notification: on off
 Silence Suppression: on off
 Casing Mic Volume (1 - 8):
 Handset Mic Volume (1 - 8):
 Headset Mic Volume (1 - 8):

Advanced Network:
 Dynamic RTP port start:
 Dynamic RTP port stop:
 Type of Service (TOS):
 DTMF Payload Type:
 Network identity (port):
 SIP T1 (ms):
 SIP Session Timer (s):
 SIP Dirty Host TTL (s):
 SIP Max Forwards:
 ENUM Suffix:
 Use user:phone: on off
 Publish Presence: on off
 Refer-To Brackets: on off
 Require PRACK: on off
 Offer GRUU: on off
 Offer MPO: on off
 Filter Packets from Registrar: on off
 Authentication for SIP Reboot: on off
 Authentication for SIP Check-Sync: on off
 Use SIP Compact Headers: on off

Update:
 Update Policy:
 Setting URL:
 Subscribe Config: on off

VLAN ID (0..4095) and Priority (0..7) separated by a space (e.g. '128 5'):
 ID and Priority:

Debug:
 Syslog Server:
 LCServer:

SNMP:
 Port:
 Trusted Address:

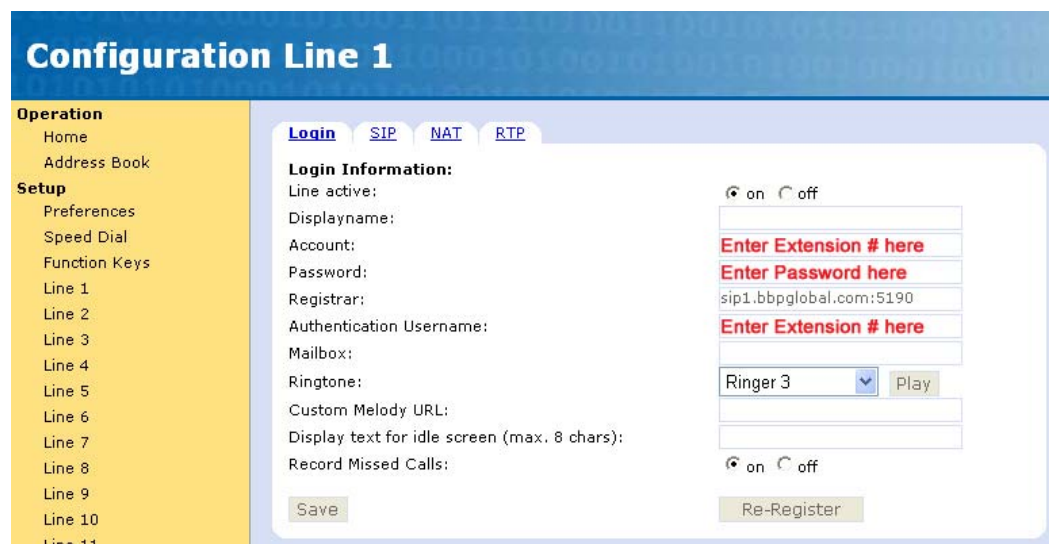
Security:
 Administrator Mode: on off
 Administrator Password: Default password is 0000
 Administrator Password (Confirmation):

Click here to save changes

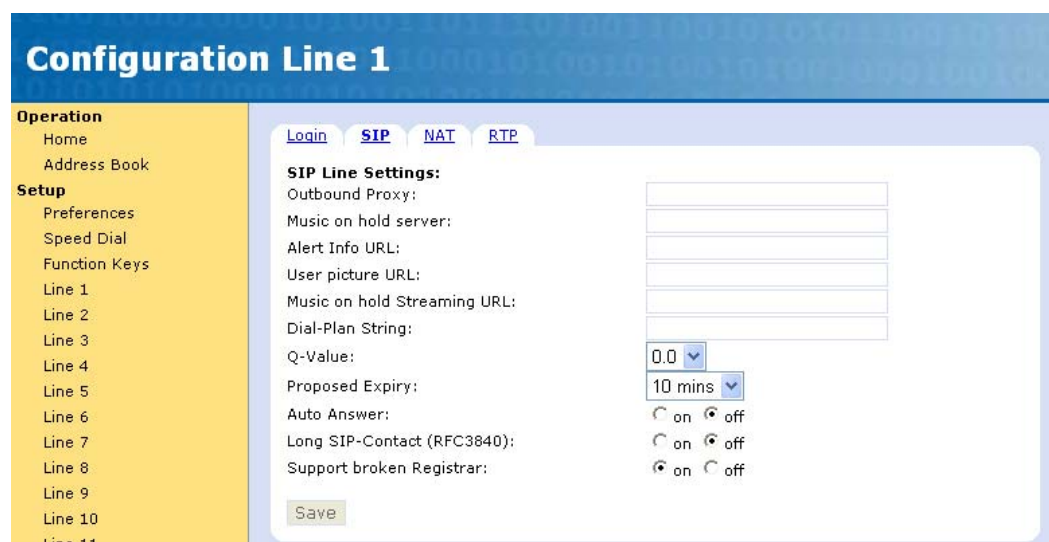
H. Configuration of Phone Lines

Up to 12 different phone accounts are supported on the SNOM 320 / 360. To setup an account on the phone, click on the “Line x” link on the left (where x represents the line number to be setup).

Below is an example of setting up BBPGlobal account using Line 1:



Click “Save” to save changes.



Click “Save” to save changes.

Configuration Line 1

Operation

- Home
- Address Book

Setup

- Preferences
- Speed Dial
- Function Keys
- Line 1
- Line 2
- Line 3
- Line 4
- Line 5

[Login](#) [SIP](#) [NAT](#) [RTP](#)

NAT Line Settings:

Offer ICE: on off

STUN server (IP-addr:port):

STUN interval (seconds):

Keepalive interval (seconds):

Symmetrical RTP: on off

Click "Save" to save changes.

Configuration Line 1

Operation

- Home
- Address Book

Setup

- Preferences
- Speed Dial
- Function Keys
- Line 1
- Line 2
- Line 3
- Line 4
- Line 5
- Line 6
- Line 7
- Line 8
- Line 9

[Login](#) [SIP](#) [NAT](#) [RTP](#)

RTP Line Settings:

Codec 1: ▼

Codec 2: ▼

Codec 3: ▼

Codec 4: ▼

Codec 5: ▼

Codec 6: ▼

Codec 7: ▼

Packet Size: ▼

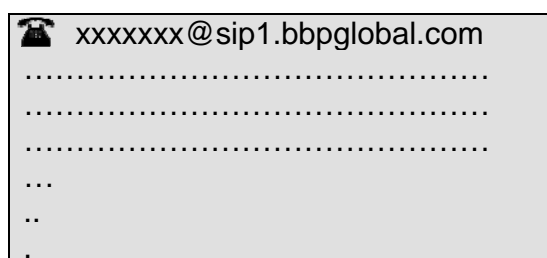
RTP Encryption: on off

Click "Save" to save changes.

After putting in all the information required, click "Save", go back to the "Login" page and click the "Re-register" button.

Multiple accounts can be setup with similar procedures.

Once the phone is connected, the phone screen would show this:



- The End -