

# VIP - Snom Provisioning

This guide will walk you through the process of Provisioning a SNOM PA-1 Device for use on the Crexendo VIP platform. This is considered a manual provision and the device will only be connected to the server we assign it to. The device will not be apart of the 100% uptime guarantee.

1. Create the Extension and User in the Crexendo VIP Manager Portal (Disable the Voicemail box by unchecking the Enable Voicemail)

### Add a User ×

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First Name


Last Name


Extension  **Note:** Cannot be changed


Department

Site

Email Address(es)  

Emergency Address    
30584 W Whitton Ave  
Tim Home  
Buckeye, AZ 85396, US

User's Scope  

Emergency Caller ID  

Enable Voicemail

Add Phone Extension

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*New password and voicemail PIN are both optional.*

New Password   
Minimum length of 8 characters, minimum of 1 capital letter(s),  
Your extension cannot be part of your password.

Confirm Password

Voicemail PIN   
Minimum length of 4 characters.

2. Get the information for the snom by going to Users > Phones and clicking on the Pencil Icon:  
(Details will be presented to you in the SETTINGS box)

### Edit Phone ✕

Phone   
**Note:** Phone Name cannot be changed

Record Calls

Emergency Caller ID

Model

Settings

Domain/Proxy: TimLab  
Outbound Proxy: usw.crexendovip.com:5080  
Username: 8000  
Password: [REDACTED]

Preferred Server

3. Get the IP Address of the Snom  
(Quickly Tap the IP/Reset Button to get the IP address of the device)  
You will need to have the device hooked up to the speaker system or a pair of headphones plugged into the line out jack on the device



4. Put the IP address into a local web browser:

The screenshot shows a web browser window with the address bar containing the IP address 172.16.24.203. The browser's tab bar shows several open tabs: Timeclock, Zoho, ZenDesk, IDB, T2 Tools, Crexendo VIP, VIP Sandbox, and Centric. The main content area displays the 'Security' page for 'VERSION 8'. On the left is a navigation menu with sections: Operation (Home, Directory), Setup (Preferences, Speed Dial, Function Keys, Identity 1-4, Action URL Settings, Advanced, Certificates, Software Update), Status (System Information, Log, SIP Trace, DNS Cache, Subscriptions, PCAP Trace, Memory, Settings), and Manual. The main content area features a 'Security Advice' section with a warning about securing the web interface. Below this is a form for 'Security' settings, including fields for 'Administrator Password' and 'Administrator Password (Confirmation)', and 'HTTP Server' settings for 'User' and 'Password'. A toggle for 'Use hidden tags' is set to 'on'. At the bottom of the form are three buttons: 'Press to save the settings as shown above.', 'Press to ignore the warning until reboot.', and 'Press to ignore the warning forever.' The snom logo and copyright information (© 2000-2012 snom AG) are visible at the bottom left.

**Security** VERSION 8

**Operation**  
Home  
Directory

**Setup**  
Preferences  
Speed Dial  
Function Keys  
Identity 1  
Identity 2  
Identity 3  
Identity 4  
Action URL Settings  
Advanced  
Certificates  
Software Update

**Status**  
System Information  
Log  
SIP Trace  
DNS Cache  
Subscriptions  
PCAP Trace  
Memory  
Settings

**Manual**

**snom**  
VoIP phones

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**Security Advice**

We strongly recommend that you secure the web interface in order to protect your phone against remote attacks. Therefore the HTTP User and Password as well as the Administrator Password should be changed from the default value.

**Security:**

Administrator Password:  ?

Administrator Password (Confirmation):  ?

**HTTP Server:**

User:  ?

Password:  ?

Additionally you should protect the web interface with hidden security tags against remote attackers trying to change phone settings with faked HTTP POST requests.

Use hidden tags:  on  off ?

Press to save the settings as shown above.

Press to ignore the warning until reboot.

Press to ignore the warning forever.

5. Click on Identity 1 on the left side of the screen

## Configuration Identity 1

VERSION 8

### Operation

Home  
Directory

### Setup

Preferences  
Speed Dial  
Function Keys  
**Identity 1**  
Identity 2  
Identity 3  
Identity 4  
Action URL Settings  
Advanced  
Certificates  
Software Update

### Status

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

### Manual



**Login** SIP NAT RTP

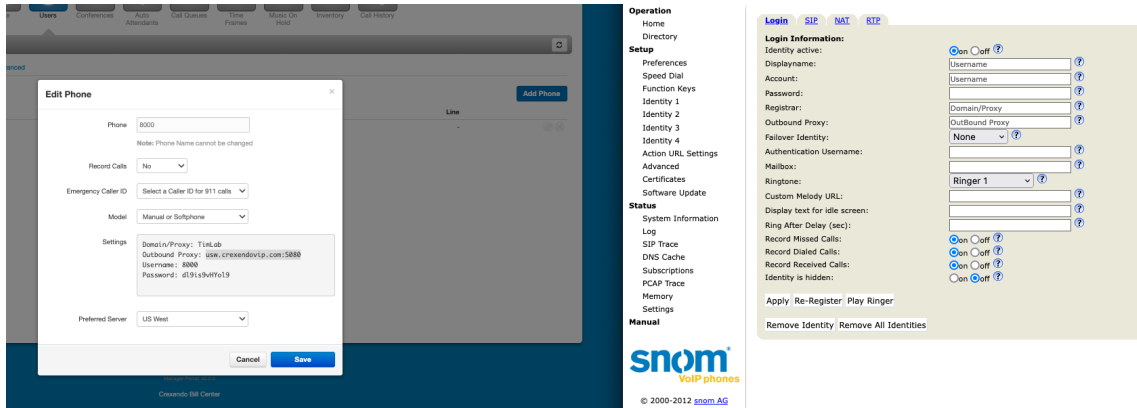
#### Login Information:

Identity active:  on  off ?  
Displayname:  ?  
Account:  ?  
Password:  ?  
Registrar:  ?  
Outbound Proxy:  ?  
Failover Identity:  ?  
Authentication Username:  ?  
Mailbox:  ?  
Ringtone:  ?  
Custom Melody URL:  ?  
Display text for idle screen:  ?  
Ring After Delay (sec):  ?  
Record Missed Calls:  on  off ?  
Record Dialed Calls:  on  off ?  
Record Received Calls:  on  off ?  
Identity is hidden:  on  off ?

Apply Re-Register Play Ringer

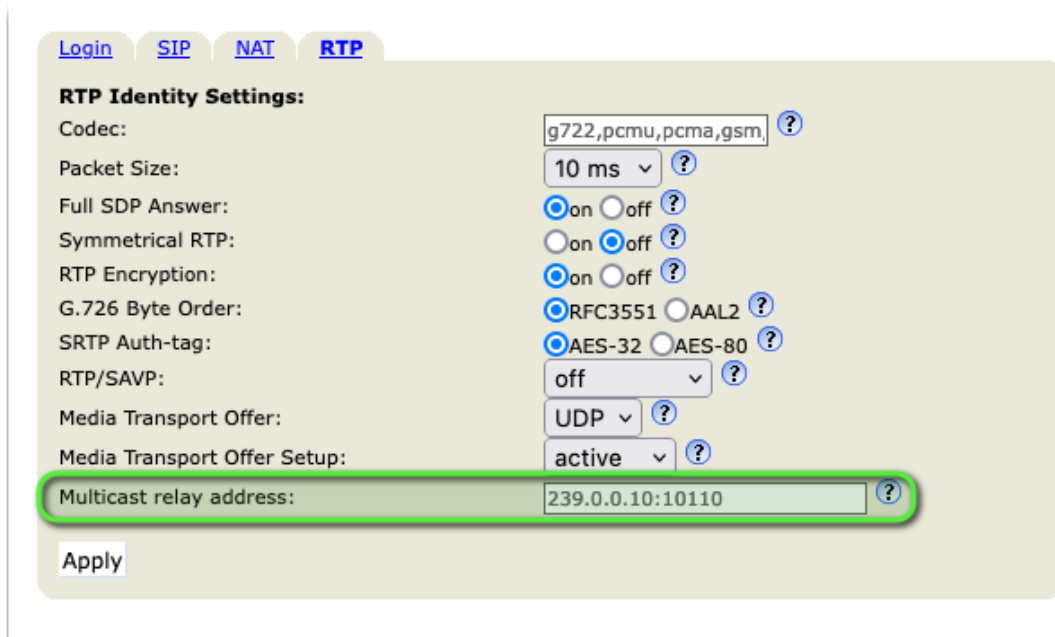
Remove Identity Remove All Identities

- Fill In the fields with the information:  
 Display Name: (Username)  
 Account:(Username)  
 Password:(Password)  
 Registrar:(Domain/Proxy)  
 Outbound Proxy:(Outbound Proxy)  
 Authentication Username:(Username)



7. Press Apply

- Click the RTP Tab:  
 (Add your Multicast Address to the Relay Address field)



9. Click Advanced under Setup > then click SIP/RTP

**Operation**  
Home  
Directory

**Setup**  
Preferences  
Speed Dial  
Function Keys  
Identity 1  
Identity 2  
Identity 3  
Identity 4  
Action URL Settings  
**Advanced**  
Certificates  
Software Update

**Status**  
System Information  
Log  
SIP Trace  
DNS Cache  
Subscriptions  
PCAP Trace  
Memory  
Settings

**Manual**

**snom**  
VoIP Phones

**SIP/RTP**    QoS/Security    Update

**SIP:**

Network identity (port):  ?

SIP T1 (ms):  ?

Timer Support (RFC4028):  on  off ?

SIP Session Timer (s):  ?

SIP Dirty Host TTL (s):  ?

SIP Max Forwards:  ?

ENUM Suffix:  ?

Retry interval after failed registration (s):  ?

Use user:phone:  on  off ?

Publish Presence:  on  off ?

Refer-To Brackets:  on  off ?

Require PRACK:  on  off ?

Send PRACK:  on  off ?

Offer GRUU:  on  off ?

Offer MPO:  on  off ?

Use Outbound:  on  off ?

Use SIP Compact Headers:  on  off ?

Listen on SIP TCP port:  on  off ?

Register HTTP contact:  on  off ?

Disable blind transfer (REFER):  on  off ?

Disable deflection (code 302):  on  off ?

Show History-Info:  on  off ?

Show Diversion:  on  off ?

Use NAPTR on SIP URIs:  on  off ?

Encode display name:  on  off ?

10. Turn on Multicast Support and add the listening address for the multicast for your setup:

**Multicast:**

Multicast Support:  on  off ?

(1) IP Address:  ?

(2) IP Address:  ?

(3) IP Address:  ?

(4) IP Address:  ?

(5) IP Address:  ?

(6) IP Address:  ?

(7) IP Address:  ?

(8) IP Address:  ?

(9) IP Address:  ?

(10) IP Address:  ?

Apply



- Click on System information and check the Identity Status to make sure the registration is OK

The screenshot shows the web interface of a snom VoIP phone. On the left is a navigation menu with sections: Operation (Home, Directory), Setup (Preferences, Speed Dial, Function Keys, Identity 1-4, Action URL Settings, Advanced, Certificates, Software Update), Status (System Information, Log, SIP Trace, DNS Cache, Subscriptions, PCAP Trace, Memory, Settings), and Manual. The 'System Information' menu item is highlighted with a green oval. The main content area displays system details:

- System Information:**
  - Phone Type: snomPA1-SIP
  - MAC-Address: 0004138D73F4
  - IP-Address: 172.16.24.203
  - Firmware-Version: snomPA1-SIP 8.7.3.19
  - Firmware-URL:
  - Production Information: Mac:0004138D73F4;Version:Standard;Hardware:snomPA1;Date:23/10/17;Copyright(C) snom technology GmbH
  - Uptime: 0 days, 0 hours, 27 minutes
  - LCS: 0 days, 0 hours, 27 minutes (0)
  - Memfree: 1984 K
  - CPU: 0.34 0.16 0.04 1/10 10
  - Bootloader-Version: 1.1.3-x
  - Expansion Module: (0)
- SIP Identity Status:** (highlighted with a green box)
  - Identity 1 Status: 8000@TimLab: OK
  - Identity 2 Status:
  - Identity 3 Status:
  - Identity 4 Status:
- Ethernet Status:**
  - Port 1: Connection Type: 100 Mbit Full Duplex, Status: connected
  - Port 2: Connection Type: , Status: not connected

The snom VoIP phones logo is visible at the bottom left of the interface.

- The Device is then Provisioned and ready to use on VIP

Name	Device Type	IP Address	MAC Address	Line	
8000	snomPA1/8.7.3.19	72.216.81.14:2048	-	-	

An 'Add Phone' button is located in the top right corner of the table area.