OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Snom HD100** IP phone to register with **the PBX platform v7.6.0** — from installation through manual configuration and auto provisioning (TFTP, HTTP/HTTPS).

BEFORE YOU BEGIN

- **Phone model** — Confirm the exact model on the back of the phone
- **Firmware** — Version 1.0.2.1, checked via the phone's web interface
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release 7.6.0

Snom HD100 IP phone

CHECK PHONE FIRMWARE

1. Browse to the phone's IP, e.g. `http://192.168.1.22`
2. Go to `Status` in the top menu
3. The **Software Version** field displays the phone's firmware

FIND PHONE IP ADDRESS

1. Use the keypad: press and hold `VOL+` for more than 5 seconds
2. Then press `VOL-` `VOL+` `VOL-` `VOL+` `VOL-` `BS1` `BS2` `BS3` in sequence — the phone announces its IP address

IDENTIFYING YOUR PHONE MODEL

The exact model information is printed on the back of each Snom phone. Models can have significantly different requirements and installation procedures — confirm you have the **HD100** before starting, or the setup may not complete successfully.

CHECK PBX VERSION

1. Log in to the PBX platform, navigate to `Settings › About`

```
Edition: Business, Release: 7 (251dc1c5), Running: 18.15.0-gc-c6df9197, Proxy v7 (4807ca1), API: 7
```

INSTALLATION

OPTION A — POWER ADAPTER

1. Connect the DC plug on the power adapter to the DC port on the phone, and the other end into an electrical outlet
2. Connect an Ethernet cable between the Internet port on the phone and a network port on your router or switch

OPTION B — POWER OVER ETHERNET (POE)

1. Connect an Ethernet cable between the Internet port on the phone and an available port on a PoE-compliant router or switch

NOTE: If using PoE, you do not need the AC adapter. Ensure the Ethernet cable and router/switch are PoE compliant.

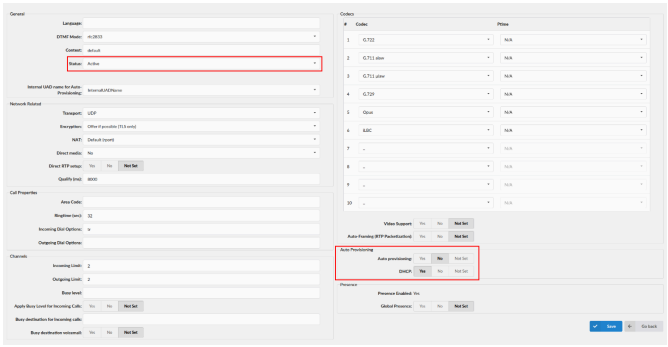
RESET TO FACTORY SETTINGS

Not required for brand-new phones — but a must for any phone previously used.

1. Browse to the phone's IP, e.g. `http://192.168.1.22`
2. Click `Servicing` in the left navigation menu and go to `Provisioning`
3. In the **Reset Configuration** section at the bottom, click `Reset`, then confirm with `OK` — the phone resets and reboots automatically
4. Wait for the device to finish rebooting before continuing

MANUAL CONFIGURATION — UAD SETTINGS

1. Browse to the PBX platform, e.g. `http://192.168.1.10`, and log in with your e-mail address and password
2. Navigate to `Settings › UAD`
3. Make sure the Snom HD100 UAD is enabled — click the **Edit** icon for the Snom HD100
4. Set **Status** = `Active`, **Auto provisioning** = `No`, **DHCP** = `Yes`
5. Click `Save`



UAD settings — manual configuration

WARNING: Do not unplug or remove power while the phone is updating firmware or configuration.

MANUAL CONFIGURATION — EXTENSION & REGISTRATION

CREATE THE EXTENSION

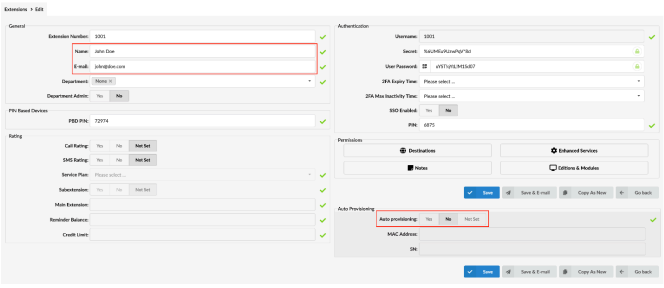
1. `Extensions › Add Extension` › **UAD** = Snom HD100, **Location** = Local or Remote › `Next step`

Local is for extensions registered on the LAN; **Remote** is for extensions registered from remote networks, WAN, Internet, etc.

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com (receives all system notifications)
- **Department** — e.g. Sales

Click `Save`.



Creating the extension

REGISTER THE PHONE

1. Browse to the phone's IP, e.g. `http://192.168.1.22`
2. Click `System` in the top menu — under **SIP Account Management**, select `Account 1`
3. **Enable Account** — set to **On**
4. **Account label** / **Display Name** — the Extension user name, e.g. John
5. **User Identifier** / **Authentication Name** — the Extension number, e.g. `103`
6. **Authentication Password** — the extension Secret, e.g. `_%Z4M3*Ts9y7` (generated automatically for each new extension)
7. **Server Address** — the PBX hostname or IP, e.g. `voip.yourdomain.com` or `192.168.1.10`
8. Click `Save` at the bottom of the page and wait for the device to reboot
9. After the reboot, dial `*123` to verify the registration.

AUTO PROVISIONING

1 UAD SETTINGS

1. Log in to the PBX platform, navigate to `Settings › UAD`
2. Click **Edit** for the Snom HD100, set **Status** = `Active`, **Auto provisioning** = `Yes`, **DHCP** = `Yes`, click `Save`

2 CREATE THE EXTENSION

1. `Extensions › Add Extension` › **UAD** = Snom HD100, **Location** = Local or Remote › `Next step`

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com
- **Auto Provisioning** — set to Yes
- **MAC Address** — from the back of the phone, e.g. `000413123456`

Click `Save`.

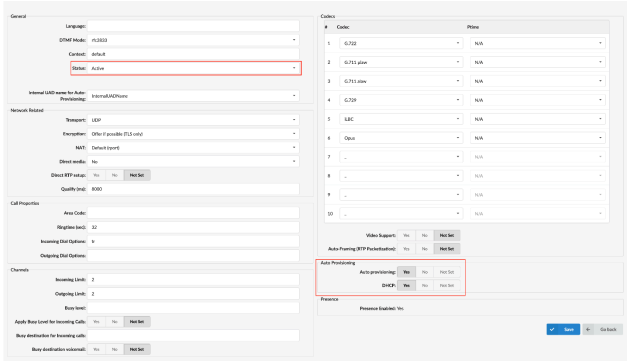
SERVER ADDRESS FORMATS

- **HTTP** — `http://voip.yourdomain.com/prov/snomhd100-{mac}.cfg`
- **HTTPS** — `https://voip.yourdomain.com/prov/snomhd100-{mac}.cfg`
- **TFTP** — `tftp://voip.yourdomain.com/snomhd100-{mac}.cfg`

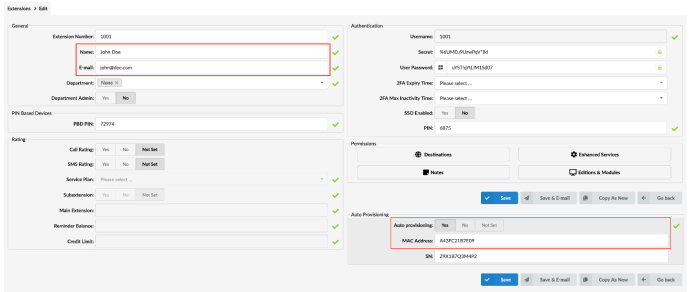
HTTP is the recommended protocol type.

3 REGISTER VIA TFTP, HTTP, OR HTTPS

1. Browse to the phone's IP and click `Servicing` in the top navigation menu
2. In the left menu, select `Provisioning`
3. Enter the auto-provisioning credentials into the **Server Authentication Name** and **Server Authentication Password** fields
4. Decide on the server type: HTTP, HTTPS, or Trivial FTP (HTTP recommended)
5. Enter the server address into the **Server URL** field, including protocol prefix and config filename (see formats at left)
6. Click `Save`, then open the `Reboot` section in the left menu and click `Reboot` — provisioning runs during the reboot
7. Wait a couple of seconds for the configuration to update — **do not power off the phone**. The phone picks up its configuration from the PBX during the reboot. Dial `*123` to verify.



UAD settings — auto provisioning



Extension with auto provisioning

COMPANY

Type company name

SUPPORT PHONE

Type support phone

SUPPORT WEBSITE

Type support website

ADDITIONAL TEMPLATE & SUMMARY

ADDITIONAL CONFIGURATION TEMPLATE

To include additional UAD configuration for the Snom HD100, add fields to the **User Agent General Auto Provisioning Template** under `Settings › UAD › Snom HD100` — or add them directly to a single extension in its **UAD Auto Provisioning Template** section.

Snom HD100 IP phone

PROVISIONING SUMMARY

After successful registration via any method, dial `*123` to verify. If registration fails:

- Verify the UAD is **Active** with the correct provisioning setting
- For auto provisioning: confirm the MAC address matches
- Confirm the phone can reach the PBX on the network
- Re-check the **Server URL** and credentials

FACTORY DEFAULTS AT A GLANCE

- **Web login** — `Admin + phone password`
- **Firmware** — `1.0.2.1`
- **Registration check** — dial `*123`
- **Provisioning path** — `/prov`
- **Recommended protocol** — `HTTP`

COMPANY

Type company name

SUPPORT PHONE

Type support phone

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Type support website