

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Snom M900** DECT base station to register with **the PBX platform 5.3.8** — from installation through manual configuration and auto provisioning (DHCP, TFTP, HTTP/HTTPS).



Snom M900 DECT base station

BEFORE YOU BEGIN

- **Device model** — Confirm the exact model on the back of the device
- **Firmware** — Version **IPDECT-V2/05.00/B0001**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **5.3.8**

CHECK DEVICE FIRMWARE

- 1 Browse to the device's IP, e.g. `http://192.168.1.22`
- 2 Log in (factory default: `admin / admin`)
- 3 The firmware version is displayed on the status page

FIND DEVICE IP ADDRESS

- 1 Check the DHCP lease table on your router, or use the handset menu if available

CHECK PBX VERSION

- 1 Log in to the PBX platform, navigate to **Settings > About**

```
Edition: Business, Release: 5.3.8.0  
(387597b7), Running: 16.16.1-gc-c0d40968, Proxy  
v5.3.8 (62b7bcd), API: 5
```

INSTALLATION

OPTION A — POWER ADAPTER

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

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

OPTION B — POWER OVER ETHERNET (POE)

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

RESET TO FACTORY SETTINGS

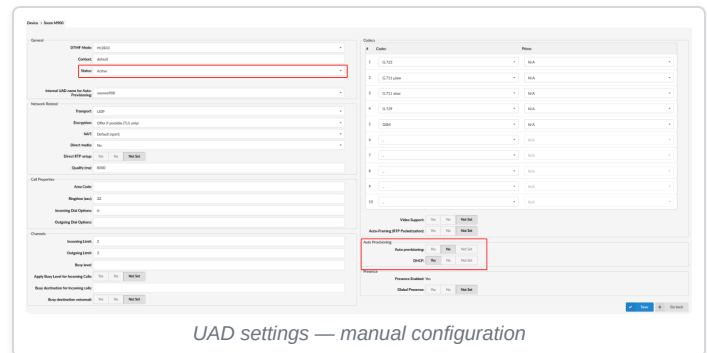
Not required for brand-new devices — but a **must** for any device previously used.

- 1 Browse to the device's IP, e.g. <http://192.168.1.22>
- 2 Log in (factory default: admin / admin)
- 3 Click **Maintenance** in the top navigation menu
- 4 Click **Factory Reset** in the left navigation menu
- 5 Click **Reset** in the Configure WEB UI section — the device resets and reboots

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

MANUAL CONFIGURATION — UAD SETTINGS

- 1 Browse to the PBX platform, e.g. <http://192.168.1.10>, and log in
- 2 Navigate to **Settings > UAD**
- 3 Click the **Edit** icon for the Snom device
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**



UAD settings — manual configuration

MANUAL CONFIGURATION — EXTENSION & REGISTRATION

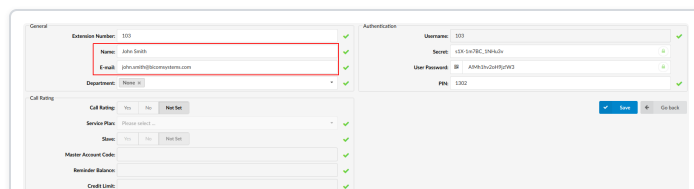
CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = **Snom M900**,
Location = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

- **Name** — e.g. John Smith
- **E-mail** — e.g. john.smith@yourdomain.com
- **Department** — e.g. Sales

Click **Save**.



The screenshot shows a web form for creating a new extension. The 'General' tab is active, showing fields for 'Extension Number' (100), 'Name' (John Smith), 'E-mail' (john.smith@yourdomain.com), and 'Department' (Sales). The 'Authentication' tab is also visible, showing fields for 'Username' (100), 'Secret' (1234567890123456), 'User Password' (1234567890123456), and 'PIN' (1234). The 'Call Routing' section has checkboxes for 'Call Forwarding', 'Service Plan', 'SIP', and 'Master Account Code', all of which are currently unchecked. The 'Extension Balance' and 'Credit Limit' fields are also present.

Creating the extension

REGISTER THE DEVICE

Registration is a two-step process on the M900:

STEP 1 — SERVERS TAB (ADD SERVER)

- 1 Browse to the device's IP, log in (admin / admin)
- 2 Click **Servers** in the left menu, then add a server
- 3 **Account Active** = Yes
- 4 **SIP Server** — PBX hostname or IP, e.g. voip.yourdomain.com or 192.168.1.10
- 5 Click **Save**

STEP 2 — SET SIP CREDENTIALS (DECT)

- 1 Click **DECT** in the top menu
- 2 Click **SIP Account Settings** in the left menu
- 3 **SIP User ID** — the Extension number, e.g. 1003
- 4 **Authenticate ID** — usually the same as the SIP User ID
- 5 **Password** — the extension Secret, e.g. _%Z4M3*Ts9y7
- 6 Click **Save and Apply**

VERIFY: Dial *123 to confirm registration.

AUTO PROVISIONING

1 UAD SETTINGS

- 1 Log in to the PBX platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Snom device, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

UAD settings — auto provisioning

2 CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = **Snom M900**, 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 device, e.g. 000B82123456

Click **Save**.

Creating the extension with auto provisioning

3A REGISTER VIA DHCP (OPTION 66)

- 1 Configure your DHCP router to use **option 66**. On first boot or reboot, the device picks up its configuration automatically. Dial ***123** to verify.

3B REGISTER VIA TFTP, HTTP, OR HTTPS

- 1 Browse to the device's IP, log in (**admin** / **admin**)
- 2 Click **Maintenance** > **Provisioning**
- 3 Enter auto-provisioning username and password in the **HTTP/HTTPS User Name** and **HTTP/HTTPS Password** fields
- 4 In the **Provisioning via** dropdown, select TFTP, HTTP, or HTTPS
- 5 In the **Config Server Path** field, enter the appropriate address (see formats below)
- 6 Click **Save and Apply**, then click **Reboot** in the top right
- 7 Wait for the configuration to update. Dial ***123** to verify.

CONFIGURATION SERVER ADDRESS FORMATS

- **HTTP**
`http://abc.yourdomain.com/prov/snomm900-{mac}.xml`
- **HTTPS**
`https://abc.yourdomain.com/snomm900-{mac}.xml`
- **TFTP**
`tftp://voip.yourdomain.com/snomm900-{mac}.xml`

Include the full protocol prefix. For HTTPS, set Secure RTP to **AUTO** after provisioning.