

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Snom D150** IP phone to register with the **PBX platform v7.6.0** — from installation through manual configuration and auto provisioning (TFTP, HTTP/HTTPS).



Snom D150 IP phone

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 **D150** before starting, or the setup may not complete successfully.

BEFORE YOU BEGIN

- **Phone model** — Confirm the exact model on the back of the phone
- **Firmware** — Version 10.1.198.19, checked via the phone's web interface
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release 7.6.0

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 On the phone, go to **Settings** > **Information** > **System Info**
- 2 The IP address is displayed at the top of the screen

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.

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 D150 UAD is enabled – click the **Edit** icon for the Snom D150
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**

The screenshot shows the 'UAD settings – manual configuration' interface. It includes sections for General, Network, Call, and Channels. The 'Status' dropdown is set to 'Active', 'Auto provisioning' is set to 'No', and 'DHCP' is set to 'Yes'. The 'Save' button is highlighted in red.

UAD settings – manual configuration

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 Navigate to the **Advanced** tab and select **Update**
- 3 Click **Reset**, then confirm with **OK** – the phone resets and reboots automatically
- 4 Wait for the device to finish rebooting before continuing

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 D150, **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 **Identity Active** – set to **On**
- 4 **Display name** – the Extension user name, e.g. John
- 5 **Account** – the Extension number, e.g. `103`
- 6 **Password** – the extension Secret, e.g. `_%Z4M3*Ts9y7` (generated automatically for each new extension)
- 7 **Registrar** – the PBX hostname or IP, e.g. `voip.yourdomain.com` or `192.168.1.10`
- 8 Click **Apply** 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 D150, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension** > **UAD** = Snom D150, **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. 001565FF1536

Click **Save**.

SERVER ADDRESS FORMATS

- **HTTP** — `http://voip.yourdomain.com/prov/snomd150-{mac}.cfg`
- **HTTPS** — `https://voip.yourdomain.com/prov/snomd150-{mac}.cfg`
- **TFTP** — `tftp://voip.yourdomain.com/snomd150-{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

ADDITIONAL TEMPLATE & SUMMARY

ADDITIONAL CONFIGURATION TEMPLATE

To include additional UAD configuration for the Snom D150, add fields to the **User Agent General Auto Provisioning Template** under **Settings > UAD > Snom D150** — or add them directly to a single extension in its **UAD Auto Provisioning Template** section.

*Snom D150 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** — 10.1.198.19
- **Registration check** — dial *123
- **Provisioning path** — /prov
- **Recommended protocol** — HTTP