

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Snom D120** IP phone to register with **the PBX platform 5.3.1.0** — from installation through manual configuration and auto provisioning (DHCP, TFTP, HTTP).



Snom D120 IP phone

BEFORE YOU BEGIN

- **Phone model** — Confirm the exact model on the back of the phone
- **Firmware** — Version **10.1.33.33**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **5.3.1.0**

CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Click **System Information** in the left navigation menu
- 3 The firmware version is displayed on that page

FIND PHONE IP ADDRESS

- 1 Press the **Settings** softkey
- 2 Press **6** for **Information**
- 3 Press **2** for **System Info** — the IP is shown at the top

CHECK PBX VERSION

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

```
Edition: Business, Release: 5.3.1.0  
(387597b7), Running: 1.8.32.1-gc-b47edc45,  
Proxy v5.3.1.0 (62b7bcd), API: 5
```

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

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 phone and an available port on a PoE-compliant router or switch

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 **Advanced** in the left navigation menu
- 3 Click the **Update** tab
- 4 Click **Reset** and confirm with **OK** — the phone resets and reboots
- 5 Allow time for the device to reboot

NOTE: After factory reset, phone language and timezone must be selected before registering.

WARNING: Do not unplug or remove power while the phone 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 phone
- 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 D120**,
Location = Local or Remote > **Next step**

REQUIRED EXTENSION FIELDS

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

Click **Save**.

Creating the extension

REGISTER THE PHONE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Click **Identity 1** in the left navigation menu
- 3 **Identity Active** = **On**
- 4 **Display Name** — the extension name, e.g. John
- 5 **Account** — usually the same as the Authentication Username
- 6 **Password** — the extension Secret, e.g. `_%Z4M3*Ts9y7`
- 7 **Registrar** — PBX hostname or IP, e.g. `voip.yourdomain.com` or `192.168.1.10`
- 8 **Authentication Username** — the Extension number, e.g. 103
- 9 Click **Apply**. Dial ***123** to verify.

AUTO PROVISIONING

1 UAD SETTINGS

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

UAD settings — auto provisioning

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension > UAD = Snom D120**, 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**.

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 phone picks up its configuration automatically. Dial ***123** to verify.

3B REGISTER VIA HTTP

HTTP recommended. Set credentials first:

- 1 Browse to the phone's IP, click **Advanced**
- 2 Click the **QoS/Security** tab
- 3 Under **HTTP Client**, enter the auto-provisioning **User** and **Password**, click **Apply**
- 4 Click the **Update** tab
- 5 Enter the server URL (see formats below), click **Apply**
- 6 Click **Reboot > Yes**, wait for update, then enter ******* to reboot again

HTTP URL FORMAT

NOTE: The letter "d" in snomd120 is case insensitive.

- `http://abc.yourdomain.com/prov/snomd120-{mac}.htm`
- `http://192.168.1.10/prov/snomd120-{mac}.htm`

3C REGISTER VIA TFTP

- 1 In the **Update** tab, enter the TFTP URL (see below), click **Apply**, **Reboot > Yes**, then *******

TFTP URL FORMAT

- `tftp://voip.yourdomain.com/snomd120-{mac}.htm`
- `tftp://192.168.1.10/snomd120-{mac}.htm`

VERIFY: Dial ***123** after reboot to confirm registration.