

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Yealink W90DM** IP phone to register with **the mywlpbx Elite platform v5.3.9** — from installation through manual configuration and auto provisioning (TFTP, HTTP/HTTPS).



Yealink W90DM IP phone

IDENTIFYING YOUR PHONE MODEL

The exact model information is printed on the back of each Yealink phone. Models can have significantly different requirements and installation procedures — confirm you have the **W90DM** 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 130.85.0.10, checked via the phone's web interface
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release 5.3.9

CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`, and log in (factory default: `admin` / `admin`)
- 2 Go to **Status** in the left navigation menu
- 3 The **Firmware Version** field displays the phone's firmware

FIND PHONE IP ADDRESS

- 1 Use the PC-based **Yealink Discovery Tool** to scan the network
- 2 The tool lists the device's IP and MAC addresses (see Yealink's support page for details)

CHECK PBX VERSION

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

Edition: Business, Release: 5.3.9.0 (387597b7), Running: 1.8.32.1-gc-b47edc45, Proxy v5.3.9 (62b7bcd), API: 5.3

OPTION A – POWER ADAPTER

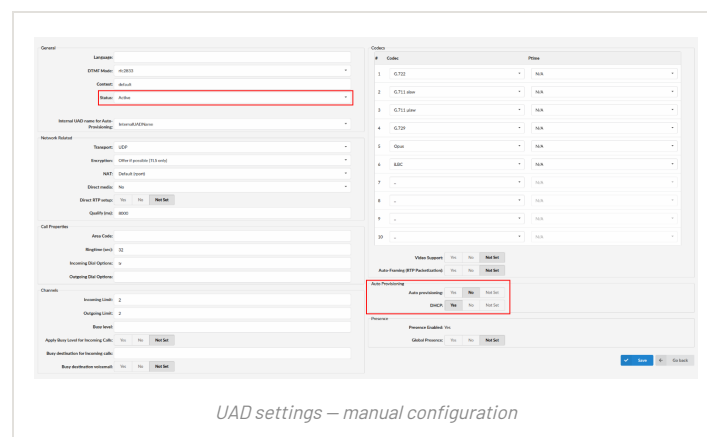
- ## MANUAL CONFIGURATION – UAD SETTINGS

- ### OPTION B – POWER OVER ETHERNET (POE)

- 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

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22` , and log in (factory default: `admin` / `admin`)
- 2 Browse to the device's IP, log in (factory default: `admin` / `admin`) and click the **Upgrade** tab
- 3 Click **Reset** — the device resets to factory settings 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** = Yealink W90DM, **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`, and log in (factory default: `admin / admin`)
- 2 Click **Handset & Account**
- 3 **Account Active** – select the **On** radio box
- 4 **Register Name** – the Extension number, e.g. `1003`
- 5 **User Name** – usually the same number as the Phone Number
- 6 **Password** – the extension Secret, e.g. `_%Z4M3*Ts9y7` (generated automatically for each new extension)
- 7 **Sip Server** – the PBX hostname or IP, e.g. `voip.yourdomain.com` or `192.168.1.10`
- 8 Click **Confirm** 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 mywlpbx Elite platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Yealink W90DM, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension** > **UAD** = Yealink W90DM, **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>
- **HTTPS** — <https://voip.yourdomain.com/prov>
- **TFTP** — <tftp://voip.yourdomain.com>

HTTP is the recommended protocol type.

3 REGISTER VIA TFTP, HTTP, OR HTTPS

- 1 Browse to the phone's IP, log in, and click the **Settings** tab in the left navigation menu
- 2 Click **Auto Provision** under the Settings tab
- 3 Enter the auto-provisioning credentials into the **User Name** and **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 (see formats at left)
- 6 Click **Autoprovision Now** and confirm with **OK** — 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 Yealink W90DM, add fields to the **User Agent General Auto Provisioning Template** under **Settings > UAD > Yealink W90DM** — or add them directly to a single extension in its **UAD Auto Provisioning Template** section.



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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** — phone web credentials
- **Firmware** — 130.85.0.10
- **Registration check** — dial ***123**
- **Provisioning path** — /prov
- **Recommended protocol** — HTTP