

OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Cisco 7861** IP phone to register with **the mywlpbx Elite platform v7.4** – 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 12.0.3, checked via the phone's web interface
- **DHCP** – A fully configured, operational DHCP server
- **PBX version** – Release 7.4



Cisco 7861 IP phone

CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Click **Admin Login** > **Advanced** – the firmware version is shown on the **Info** page
- 3 The firmware version is shown in the phone's web administration interface

FIND PHONE IP ADDRESS

- 1 Press the **Settings** button and go to **Status** > **Network status** > **IPv4 status**
- 2 The address is displayed in the **IP address** field

IDENTIFYING YOUR PHONE MODEL

The exact model information is printed on the back of each Cisco phone. Models can have significantly different requirements and installation procedures – confirm you have the **7861** before starting, or the setup may not complete successfully.

CHECK PBX VERSION

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

Edition: Multi-Tenant, Release: 7.4 (251dc1c5), Running: 18.15.0-gc-ab72ab93, Proxy v7 (2a5ca81), API: 6

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

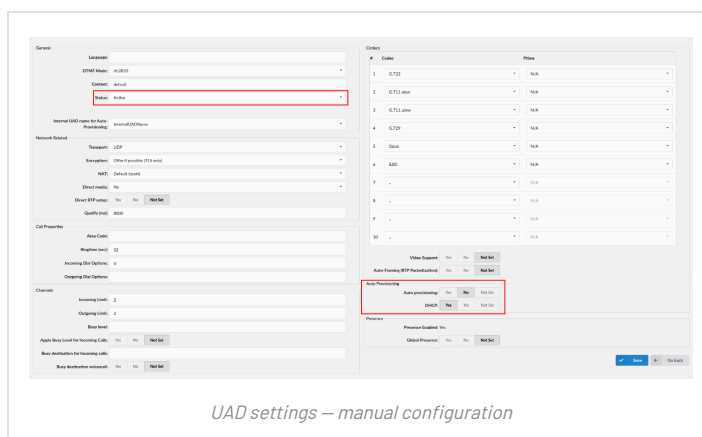
OPTION B – POWER OVER ETHERNET (POE)

- 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 mywlpbx Elite 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 Cisco 7861 UAD is enabled – click the **Edit** icon for the Cisco 7861
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**



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 On the phone, press the **Settings** button and go to **Device administration**
- 3 Select **Factory reset** and 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** = Cisco 7861, **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**.

REGISTER THE PHONE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Click **Admin Login** > **Advanced**, then **Voice** > **Ext 1**
- 3 **Proxy** (Proxy and Registration) – the PBX hostname or IP, e.g. `voip.yourdomain.com`
- 4 **User ID** (Subscriber Information) – the Extension number, e.g. `1003`
- 5 **Password** – the extension Secret (generated automatically for each new extension)
- 6 Scroll to **Dial Plan**, clear the field, and paste: `(*x.|**x.|*xx|[3469]11|0|00|[2-9]xxxxxx|1xxx[2-9]xxxxxx|xxxxxxxxxxxxxx.)`
- 7 Click **Submit** and wait for the device to reboot
- 8 After the reboot, the phone registers to the PBX automatically
- 9 Dial `*123` to verify the registration.

Creating the extension

AUTO PROVISIONING

1 UAD SETTINGS

- 1 Log in to the mywlpbx Elite platform, navigate to **Settings > UAD**
- 2 Click **Edit** for the Cisco 7861, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

2 CREATE THE EXTENSION

- 1 **Extensions > Add Extension** > **UAD** = Cisco 7861, **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. 0002FDF1536

Click **Save**.

SERVER ADDRESS FORMATS

- **HTTP** — [--uid user --pwd pass]http://voip.yourdomain.com/prov/\$MA.cfg
- **TFTP** — tftp://voip.yourdomain.com/\$MA.cfg

HTTP is the recommended protocol type.

3 REGISTER VIA TFTP OR HTTP

- 1 Browse to the phone's IP, click **Admin Login** > **Advanced**, then **Voice** > **Provisioning**
- 2 Choose the protocol: TFTP or HTTP (HTTP recommended)
- 3 Enter the server address into the **Profile Rule** field, including protocol prefix and \$MA.cfg (see formats at left)
- 4 For HTTP, replace **user** and **pass** in the URL with the auto-provisioning credentials
- 5 Click **Submit** and wait ~35 seconds — the phone may reboot
- 6 Provisioning runs during the reboot — the phone picks up its configuration file from the PBX
- 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 Cisco 7861, add fields to the **User Agent General Auto Provisioning Template** under **Settings > UAD > Cisco 7861** — or add them directly to a single extension in its **UAD Auto Provisioning Template** section.



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 **Profile Rule** address and credentials

FACTORY DEFAULTS AT A GLANCE

- **Web login** — Admin Login > Advanced
- **Firmware** — 12.0.3
- **Registration check** — dial *123
- **Provisioning path** — /prov/\$MA.cfg
- **Recommended protocol** — HTTP