

OVERVIEW & REQUIREMENTS

This guide explains how to configure the **Yealink SIP-T31W** Wi-Fi IP phone to register with the PBX, using either manual configuration or auto provisioning.

IDENTIFY YOUR PHONE MODEL

Check the label on the back of the phone to confirm the exact model. Yealink models can differ significantly in requirements and setup procedure — confirming the model first avoids failed registrations.

PHONE FIRMWARE

- Required firmware version: **124.86.0.75**.
- To check, browse to the phone IP (example: `http://192.168.1.22`) and log in to the web interface. Factory default login: username **admin**, password **admin**.



YEALINK SIP-T31W

DHCP SERVER

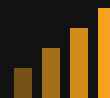
A fully configured and operational DHCP server on the network.

PBX VERSION

A PBX version **6.7.7 or newer** (including 7.1) is required.

CHECKING THE PBX VERSION

Log in to the PBX and navigate to **Settings** → **About**. The top of the About page shows a line similar to **Edition: Multi-Tenant Release: 7.1** — **Release** denotes the current version.



INSTALLATION

POWER ADAPTER — CONNECT THE NETWORK AND POWER

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

FIND THE PHONE IP ADDRESS

Press the **OK** button on the phone. The IP address is displayed at the top of the screen.

RESET TO FACTORY SETTINGS

Not required for brand-new phones — but if the phone has been used before, a factory reset is a must.

FROM THE PHONE

- At the home screen, hold **OK** for 5 seconds.
- Press **OK** to confirm the factory reset.

FROM THE WEB INTERFACE

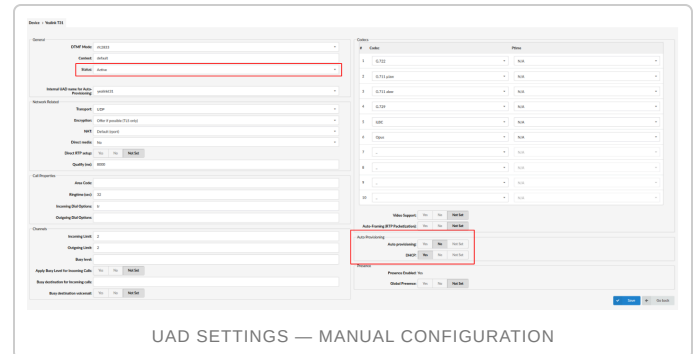
- Browse to the phone IP (example: `http://192.168.1.22`) and log in (**admin** / **admin**).
- Open the **Upgrade** tab and click **Reset**. The phone resets and reboots.
- Allow time for the device to reboot.

NOTE: Do not unplug or remove power from the phone while it is updating firmware and configuration.

MANUAL CONFIGURATION

1 • UAD SETTINGS

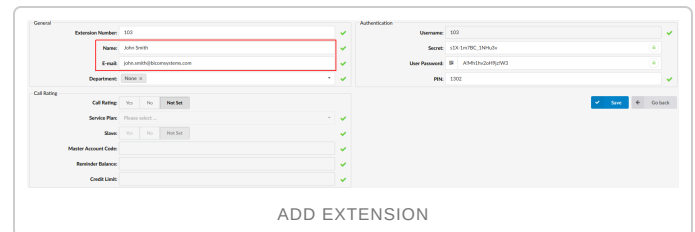
- Browse to the PBX (example: <http://192.168.1.10>) and log in with your e-mail address and password.
- Navigate to **Settings** → **UAD** and make sure the Yealink UAD is enabled — click the **edit** icon for your Yealink phone.
- Set **Status = Active**, **Auto provisioning = No**, **DHCP = Yes**.
- Click **Save**.



UAD SETTINGS — MANUAL CONFIGURATION

2 • CREATING THE EXTENSION

- Navigate to **Extensions** and click **Add Extension**.
- Select the Yealink phone model in the **UAD** select box.
- Select Location: **Local** (LAN) or **Remote** (WAN/Internet), then click **Next step**.
- Enter **Name** (e.g. John Smith), **E-mail** (e.g. john.smith@yourdomain.com — receives system notifications), and **Department** (e.g. Sales), then click **Save**.



ADD EXTENSION

3 • REGISTERING THE PHONE (HOSTNAME OR IP ADDRESS)

Browse to the phone IP, log in (**admin / admin**), and click **Account**. Enter the following:

Account Active	Select the On radio box.
Register Name	Extension number. Example: 1003
User Name	Usually the same as the phone number.
Password	The extension Secret received in the extension e-mail (auto-generated per extension). Example: %Z4M3*Ts9y7
Sip Server	Hostname or IP address of the PBX. Examples: pbx.yourdomain.com or 192.168.1.10

Click **Confirm** and allow time for the device to reboot.

Dial ***123** to verify registration.

AUTO PROVISIONING — SETUP

1 • UAD SETTINGS

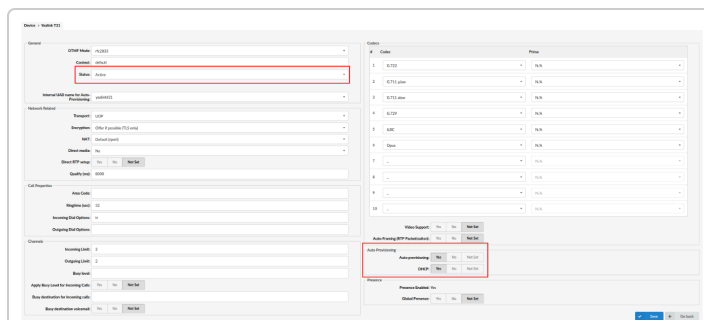
- Log in to the PBX and navigate to **Settings** → **UAD**.
- Edit the Yealink UAD and set **Status = Active**, **Auto provisioning = Yes**, **DHCP = Yes**.
- Click **Save**.

2 • CREATING THE EXTENSION

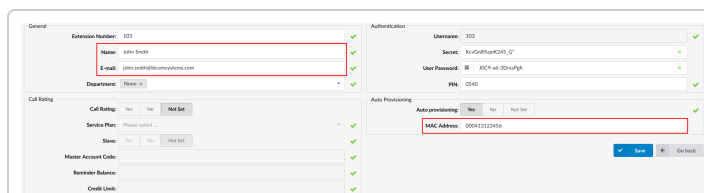
- Navigate to **Extensions** → **Add Extension**, select the Yealink model and Location, then click **Next step**.
- Enter **Name** and **E-mail** as usual, then set:
- Auto Provisioning = Yes**.
- MAC Address** — the phone MAC, found on the label on the back of the phone. Example: **001565123456**.
- Click **Save**.

WHAT HAPPENS NEXT

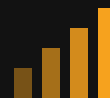
The phone is registered by pointing it at the provisioning server over **TFTP, HTTP, or HTTPS** — see the next page. During reboot, the phone picks up its configuration file from the PBX.



UAD SETTINGS — AUTO PROVISIONING



EXTENSION — AUTO PROVISIONING & MAC ADDRESS



AUTO PROVISIONING — TFTP, HTTP & HTTPS

PHONE-SIDE PROVISIONING SETUP

- Browse to the phone IP (example: `http://192.168.1.22`), enter **username** and **password** (defaults **admin / admin**) and press **Confirm**.
- Click the **Settings** tab, then **Auto Provision** in the left-hand menu.
- Choose the **server type**: HTTP, HTTPS, or Trivial FTP. **HTTP is recommended**.
- Enter the Auto Provisioning username and password into the **User Name** and **Password** fields.
- Click **Autoprovision Now**, then **OK** in the pop-up to confirm.
- Wait for the configuration to update — **do not power off the phone**. The phone picks up its configuration file from the PBX during reboot.

Using TLS / HTTPS: If provisioning over HTTPS, also open the **Security** tab → **Trusted Certificates** and disable **Only Accept Trusted Certificates**.

PROVISIONING ADDRESS FORMATS

For **HTTP / HTTPS**, enter the protocol, then the hostname or IP, then `/prov`:

```
http://pbx.yourdomain.com/prov
https://pbx.yourdomain.com/prov
http://192.168.1.10/prov
https://192.168.1.10/prov
```

For **TFTP**, enter `tftp://` followed by the hostname or IP:

```
tftp://pbx.yourdomain.com
tftp://192.168.1.10
```

Dial ***123** to verify registration.



CONFIGURING BLF (BUSY LAMP FIELD)

EXTENSION SETTINGS (PBX SIDE)

- Log in to the PBX and click the **edit** icon for your extension on the **Extensions** page.
- Click **Advanced Options** and scroll to the **Auto Provisioning** and **Presence** groups.
- Set **Auto Provisioning** = **Yes** and **Presence** = **Yes**, then click **Save**.
- Click **Enhanced Services**, check **Directory / BLF List**, and click **Save** to enable the feature.
- Click the **Directory / BLF List** **Edit** button, select the DSS key type, enter the **Value** and **Label** for the key, and click **Save**.

PHONE SETTINGS

- Browse to the phone IP and log in (**admin / admin**).
- Click **Phone**, then **DSS Keys**.
- Configure 1 to 10 DSS keys from the list:
- **Type**: select **BLF**.
- **Value**: enter the user extension. Example: **1005**.
- Click **Confirm** to save changes.

BLF keys light to show the live status of monitored extensions.

ADDITIONAL CONFIGURATION TEMPLATE

CUSTOM UAD CONFIGURATION

To include additional UAD configuration for the Yealink T31W, add fields to the **User Agent General Auto Provisioning Template** under **Settings** → **UAD** → **Yealink T31W**, or add them directly to the extension in the **UAD Auto Provisioning Template** section.

NEED A HAND?

Contact your service provider using the support details shown in the footer of this guide.