

## OVERVIEW &amp; REQUIREMENTS

This guide explains how to configure the **Yealink SIP-T41U** business 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: **108.84.0.30**.
- 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**.



## DHCP SERVER

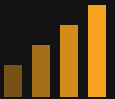
A fully configured and operational DHCP server on the network.

## PBX VERSION

A PBX version **5.3.6 or newer** 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: Business, Release: 5.3.6** — **Release** denotes the current version.



### INSTALLATION

#### POWER ADAPTER

- 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.

#### POWER OVER ETHERNET (POE)

- Using a regular Ethernet cable, the phone can be powered directly from a PoE-compliant router or switch.
- Connect the Ethernet cable between the **Internet** port on the phone and an available port on the in-line power switch.

**NOTE:** If you are using Power over Ethernet, do not connect the AC adapter. Make sure the Ethernet cable and the router or switch are PoE compliant.

#### FIND THE PHONE IP ADDRESS

Press the **Menu** softkey, then press the **Enter** softkey to open **1. Status**. 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 WEB INTERFACE

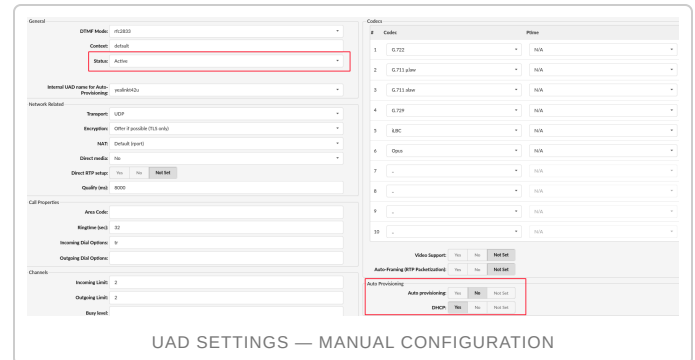
- Browse to the phone IP (example: `http://192.168.1.22` ) and log in (**admin / admin**).
- Open the **Upgrade** tab and click **Reset**. The phone resets to factory settings and reboots.
- Allow time for the device to reboot.

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

### MANUAL CONFIGURATION

#### 1 • UAD SETTINGS

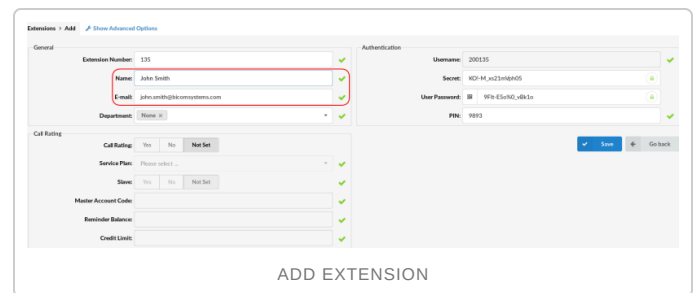
- Browse to the PBX (example: <http://192.168.1.10>) and log in with your e-mail address and password.
- Navigate to **Settings** → **UAD** and make sure the Yealink UAD is enabled — click the **edit** icon for your Yealink phone.
- Set **Status = Active**, **Auto provisioning = No**, **DHCP = Yes**.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

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

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

Dial **\*123** to verify registration.

### MANUAL CONFIGURATION — DNS SRV

#### REGISTERING VIA DNS SRV RECORD

A DNS SRV record can specify the location of the PBX. Your DNS server must be configured correctly for this to work — your service provider can assist with this setup.

Browse to the phone IP, log in (**admin / admin**), click **Account**, and complete the same required fields as Hostname/IP registration, with these differences:

|                   |                                                                                                                                                                                                                                                       |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sip Server</b> | Enter the Hostname only. Example: <b>yourdomain.com</b> — replace with your PBX hostname. The DNS server must be configured to route the registration request to the PBX, which may live under another domain (example: <b>pbx2.yourdomain.com</b> ). |
| <b>Transport</b>  | Select <b>DNS SRV</b> from the drop-down menu.                                                                                                                                                                                                        |

Click **Confirm**, allow the phone to reboot, then dial **\*123** to verify registration.

### AUTO PROVISIONING — SETUP

#### 1 · UAD SETTINGS

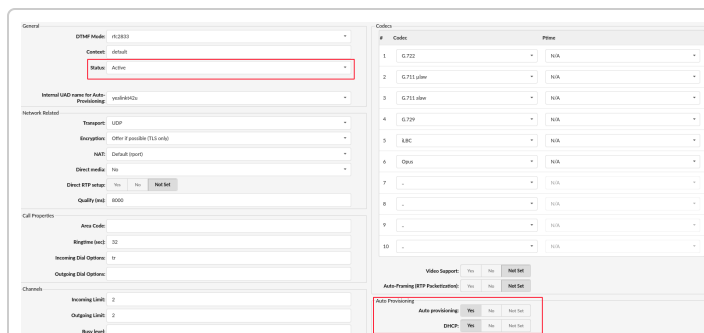
- Log in to the PBX and navigate to **Settings** → **UAD**.
- Edit the Yealink UAD and set **Status = Active**, **Auto provisioning = Yes**, **DHCP = Yes**.
- Click **Save**.

#### 2 · CREATING THE EXTENSION

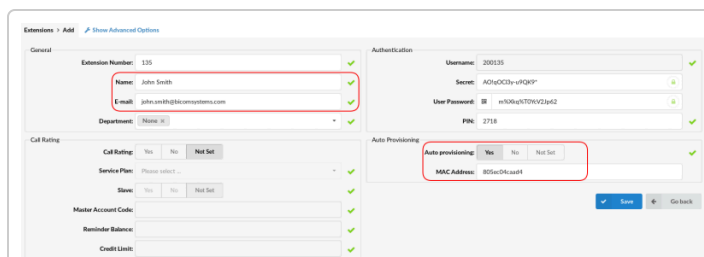
- Navigate to **Extensions** → **Add Extension**, select the Yealink model and Location, then click **Next step**.
- Enter **Name** and **E-mail** as usual, then set:
- Auto Provisioning = Yes**.
- MAC Address** — the phone MAC, found on the label on the back of the phone. Example: **001565FF1536**.
- Click **Save**.

#### 3 · DHCP (OPTION 66)

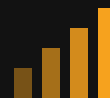
Make sure your DHCP router uses **option 66** to automatically hand phones the auto-provisioning URL (see your router documentation or network administrator). Provisioning then runs at first boot or on a user-initiated reboot — the DHCP server tells the phone where to pick up its configuration file. Dial **\*123** to verify registration.



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.

### AUTO PROVISIONING — DNS SRV

#### PROVISIONING VIA DNS SRV

- In the PBX, confirm DNS SRV is enabled: navigate to **Settings** → **Servers** and edit the server (on the Multi-Tenant Edition: **Settings** → **Tenants** → **Master Tenant**). In the **Auto Provisioning** group, set **Use DNS SRV when possible** = **Yes** and click **Save**. *You must re-save all extensions configured for auto provisioning.*
- On the phone web interface, open **Upgrade** → **Advanced** and enter the PBX hostname in the **URL** field (example: **yourdomain.com**). The DNS server must route registration to the PBX even if it lives under another domain (example: **pbx2.yourdomain.com**).
- Set **Check New Config** = **Power on + Repeatedly**, then click **Confirm** and allow the device to save.
- Click **Auto Provision**, confirm with **OK** — the phone pulls its configuration during reboot. Dial **\*123** to verify.

If there is no DHCP on the network, set a static IP on the phone first (see the Yealink user guide), then follow the same steps.



### 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 T41U, add fields to the **User Agent General Auto Provisioning Template** under **Settings** → **UAD** → **Yealink T41U**, 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.