

## OVERVIEW & REQUIREMENTS

This guide walks through configuring the **Yealink CP965** conference phone to register with **the PBX platform 6.6.1** — from installation through manual configuration, auto provisioning (DHCP, TFTP, HTTP/HTTPS), DNS SRV, TLS, and BLF setup.



Yealink CP965 conference phone

### BEFORE YOU BEGIN

- **Phone model** — Confirm the exact model on the back of the phone
- **Firmware** — Version **143.86.254.36**
- **DHCP** — A fully configured, operational DHCP server
- **PBX version** — Release **6.6.1**

### CHECK PHONE FIRMWARE

- 1 Browse to the phone's IP, e.g. `http://192.168.1.22`
- 2 Log in with username and password (factory default: `admin / admin`)
- 3 The firmware version is displayed on the status page

### FIND PHONE IP ADDRESS

- 1 On the phone, go to **More**
- 2 Select **Status** > **General**
- 3 The IP address is displayed at the top of the screen

### CHECK PBX VERSION

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

```
Edition: Business, Release: 6.6.1 (387597b7),  
Running: 16.16.1-gc-c0d40968, Proxy v6.6  
(7009484), 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

**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 On the phone, go to **More**
- 2 Go to **Advanced** at the bottom, enter the admin password
- 3 Select **Reset Config**
- 4 Select **Reset to Factory** and confirm with **OK**
- 5 Allow time for the phone to reboot

**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 Yealink phone
- 4 Set **Status** = **Active**, **Auto provisioning** = **No**, **DHCP** = **Yes**
- 5 Click **Save**

UAD settings — manual configuration

## MANUAL CONFIGURATION — EXTENSION &amp; REGISTRATION

## CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = Yealink CP965,  
Location = Local or Remote > **Next step**

## REQUIRED EXTENSION FIELDS

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

Click **Save**.

Creating the extension

## REGISTER VIA HOSTNAME / IP

- 1 Browse to the phone's IP, log in ( `admin` / `admin` )
- 2 Click **Account**
- 3 **Account Active** = `On`
- 4 **Register Name** — the Extension number, e.g. `1003`
- 5 **User Name** — usually the same as the Extension number
- 6 **Password** — the extension Secret, e.g. `_%Z4M3*Ts9y7`
- 7 **SIP Server** — PBX hostname or IP, e.g.  
`voip.yourdomain.com` or `192.168.1.10`
- 8 Click **Confirm**. Dial `*123` to verify.

## DNS SRV REGISTRATION

Your DNS server must be configured for this to work. Contact your PBX administrator.

Same steps as above, but set **SIP Server** = your domain (e.g. `yourdomain.com`) and **Transport** = `DNS SRV` from the dropdown. Click **Confirm**. 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 Yealink phone, set **Status** = **Active**, **Auto provisioning** = **Yes**, **DHCP** = **Yes**, click **Save**

UAD settings — auto provisioning

### 2 CREATE THE EXTENSION

- 1 **Extensions** > **Add Extension** > UAD = Yealink CP965, 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**.

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 TFTP, HTTP, OR HTTPS

- 1 Browse to the phone's IP, log in ( **admin / admin** )
- 2 Click **Settings** > **Auto Provision**
- 3 Choose **Server Type**: HTTP, HTTPS, or TFTP (HTTP recommended)
- 4 Enter the **Server URL** (see formats below)
- 5 For HTTP/HTTPS: enter auto-provisioning **User Name** and **Password**
- 6 Click **Confirm**, then **Autoprovision Now** > **OK**
- 7 Wait for the configuration to update. Dial **\*123** to verify.

#### SERVER URL FORMATS

- **HTTP** — `http://abc.yourdomain.com/prov`
- **HTTPS** — `https://abc.yourdomain.com/prov`
- **TFTP** — `tftp://voip.yourdomain.com`

#### USING TLS (HTTPS)

If provisioning over HTTPS, disable certificate validation first:

- 1 In the phone's web interface, click **Security**
- 2 Under **Trusted Certificates**, disable **Only Accept Trusted Certificates**

## BLF &amp; ADDITIONAL CONFIGURATION

## CONFIGURE BLF (BUSY LAMP FIELD)

- 1 Log in to the PBX platform
- 2 On the **Extensions** page, click the **Edit** icon for the extension
- 3 Click **Advanced Options**
- 4 Under **Auto Provisioning** and **Presence**: set both to **Yes**, then **Save**
- 5 Click **Enhanced Services**
- 6 Check **Directory / BLF List** and click **Save**
- 7 Click **Directory / BLF List** **Edit**
- 8 Select the type of **DSS key** to use
- 9 Enter the **Value** and **Label** for the DSS key
- 10 Click **Save**

## ADDITIONAL CONFIGURATION TEMPLATE

To push extra UAD configuration to the CP965, add fields to the **User Agent General Auto Provisioning Template** under **Settings > UAD > Yealink CP965** — 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
- For HTTPS: ensure **Only Accept Trusted Certificates** is disabled or install a valid certificate
- For DNS SRV: confirm the DNS server is properly configured