

# Yealink Device Management Platform Quick Start Guide

Applies to version 3.1.0.14 or later

# Overview

Yealink Device Management Platform (YDMP) allows administrators to realize centralized management for Yealink IP phones, Skype for Business HD T4XS IP phones and video conferencing systems in the same enterprise.

## Getting Started

### Hardware and Software Requirements

Linux operating system: CentOS 7.5 or later.

Device Quantity	CPU	RAM	Hard Drive
0~6000	8-core	16G	There should be at least 200G partition used for installing the device management platform, and the capacity of the hard drive increases by 30G with every 1000 devices added.
6000~15000	16-core	32G	
15000~30000	32-core	64G	

### Port Requirements

You need open four ports for YDMP: 443, 9989, 9090, and 80. We do not recommend that you modify those ports.

## Updating YDMP

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The following is an example of updating from V2.0.0.14 to V3.1.0.13.

### Before you begin

- Your hardware, software and ports meet the requirements.
- Obtain the latest installation package of YDMP from the Yealink distributor or SE and then save it at the path /usr/local.

### Procedure

1. Log into CentOS as the root user and open the terminal.
2. Run the command below:  

```
cd /usr/local  
tar -zxf DM_3.1.0.13.tar.gz  
cd yealink_install&& tar -zxf install.tar.gz  
./upgrade_v2_to_v3.sh
```
3. According to the prompts, enter "1" (1 means updating).
4. According to the prompts, enter the server IP address and then enter "Y" to confirm the IP address.  
YDMP will be updated to the corresponding version if it is updated successfully.

## Installing YDMP

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The following is an example of installing V3.1.0.13.

### Before you begin

- One device running CentOS.
- Your hardware, software and ports meet the requirements.
- Obtain the latest installation package of YDMP from the Yealink distributor or SE and then save it at the path /usr/local.

### Procedure

1. Log into CentOS as the root user and open the terminal.
2. Run the command below:  

```
cd /usr/local  
tar -zxf DM_3.1.0.13.tar.gz  
cd yealink_install&& tar -zxf install.tar.gz  
./install --host 10.2.62.12
```

If it prompts "Install Success!!!", the installation succeeds.

## Logging into YDMP

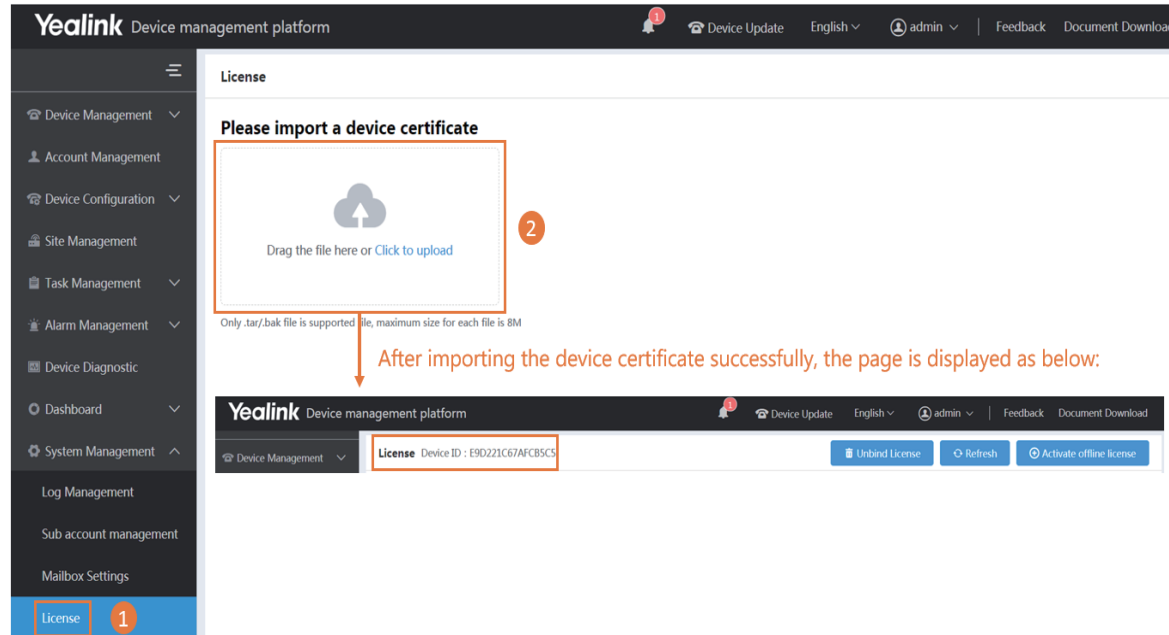
1. Open a web browser.
2. Enter **https://<IP address>/** (for example: https://10.2.62.12/) in the address box.
3. Optional: select a desired language.
4. Enter your username (default: admin) and the password (default: v123456789), and click **Login**.
5. If you log into the platform for the first time, the system will remind you to change the password. After that, you can go to the Home page of YDMP.

## Activating the License

After activating the license, you can manage your devices via YDMP.

### Step1: Importing the Device Certificate

1. Obtain the device lcertificate from Yealink by submitting the enterprise name, the distributor name, the applicant, and the country.
2. Follow the instructions in the picture below to upload the certificate.



## Step2: Activating the License

1. You need purchase the corresponding service and obtain the authorization for the device management.
2. If the server can access the public network, you can activate the license online. If not, you can activate the license offline.

### ※ Online

The screenshot shows the 'License' section of the Yealink Device management platform. The 'License' tab is selected (1). The 'Refresh' button is highlighted (2). A table lists the license details:

License ID	Status	Mode	Licenses	Validity	Expiration Time	Activation Time
5d0d6c72e3084...	Activated	Online	1000	30days	2019/01/13 17:52:57	2018/12/14 17:52:57

An annotation points to the 'Refresh' button: "After refreshing, the device license is displayed in the list."

### ※ Offline

The screenshot shows the 'License' section of the Yealink Device management platform. The 'Activate offline license' button is highlighted (1). An 'Export' button is highlighted (3). A modal window titled 'Activate offline license' is open, showing a file upload area with a cloud icon and the text 'Drag the file here or Click to upload'. An annotation points to the 'Export' button: "Send the exported license application to Yealink to get the license." Another annotation points to the file upload area: "Upload the license." The 'Activation Time' column in the background table is highlighted (2).

# Deploying the Device

1. Connect the device to the network.
2. The device and the server perform mutual TLS authentication using default certificates.
3. Obtain the server address:
  - With a running provisioning server, you need to configure the corresponding Common.cfg file (for example, <y0000000000xx>.cfg).  
In the corresponding Common.cfg file, do the following:
    - ① If the firmware does not support YMDP, you need configure the parameters.
    - ② Configure the provisioning URL to connect the device to YDMP.
  - Without a running provisioning server, you can obtain the server address via the DHCP option 66, 43, 160 or 161.

The DHCP option value must meet this format: https://<IP address>/dm.cfg (for example: https://10.2.62.12/dm.cfg).

After you finish the deployment, the device will be connected to YDMP and be displayed in the Device List.

The screenshot displays the Yealink Device management platform interface. The top navigation bar includes the Yealink logo, a notification bell with 3 alerts, and links for Device Update, English, admin, Feedback, and Document Download. The left sidebar contains a menu with options: Device Management, Device List (highlighted), Firmware Management, Resource Management, Account Management, Device Configuration, Site Management, Task Management, Alarm Management, Device Diagnostic, Dashboard, and System Management. The main content area is titled 'Device List' and features a search bar, a 'More' dropdown, and buttons for Add Device, Import, Export, and Refresh. Below these are buttons for 0 selected, Delete, Site settings, Update Configuration File, Update Firmware, Update Resource File, and another 'More' dropdown. The central table lists devices with columns for MAC, Model, Device Name, IP, Firmware Version, Status, Site, Report Time, and Operation. The table contains 8 rows of device data.

MAC	Model	Device Name	IP	Firmware Version	Status	Site	Report Time	Operation
001565c18725	SIP-T48G	2984	10.81.40...	35.83.0.50	Registered	yealink	2018/12/18 17:24:12	[Icons]
001565c2d747	SIP-T56A	2401	10.81.46...	58.83.0.10	Registered	yealink	2018/12/18 15:05:08	[Icons]
001565c2d6a5	SIP-T56A	1020	10.81.46...	58.83.0.1	Registered	yealink	2018/12/18 15:05:05	[Icons]
805ec023fb35	SIP-T46S	0002	10.81.40...	66.83.0.35	Registered	yealink	2018/12/12 20:30:35	[Icons]
805ec003d11a	VC800	VC800	--	--	Offline	test	--	[Icons]
00156551d744	SIP-T42S	T42dddd	--	--	Offline	dsafdf	--	[Icons]
112233112244	CP960	123	--	--	Offline	yealink	--	[Icons]
00156551d745	SIP-T42S	T42sfbdd	--	--	Offline	dsafdf	--	[Icons]

# Using Basic Function

## Editing Devices

**Yealink** Device management platform

Device Update English admin Feedback Document Download

**Device List** Add Device Import Export Refresh

Device/MAC/Account Info/IP More

0 selected Delete Site settings Update Configuration File Update Firmware Update Resource File More

MAC	Model	Device Name	IP	Firmware Version	Status	Site	Report Time	Operation
							'18 17:24:12	
							'18 15:05:08	

**Edit Device**

MAC Address : 001565c18725  
Device Model : SIP-T48G

**Please edit :**

Device Name 2984

\*Site yealink

Bind Account (Maximum 16) + Add

Account 1 SIP 2984

Save Cancel

# Managing the Configuration

## ※ Adding the Configuration Template

The screenshot shows the 'Model Configuration' page in the Yealink Device Management Platform. The left sidebar has 'Model Configuration' highlighted with a red box and a red circle '1'. The top right has an 'Add Template' button with a red box and a red circle '2'. Below the search bar, there is a table with columns: Template Name, Model, Description, and Operation. The first row has 'T42' in the Template Name column, 'SIP-T42G(SFB)' in the Model column, and 'SIP T42-SfB' in the Description column. The Operation column has 'Save' and 'Cancel' buttons. A red box highlights the first row, and a red circle '3' is next to the Model column header. A red circle '4' is next to the Operation column header. A red arrow points from the text 'You can add only one configuration template for a device model.' to the first row.

You can add only one configuration template for a device model.

## ※ Configuring and Updating the Parameter to the Device

Step 1: click  to go to the Set Template Parameters page.

The screenshot shows the 'Model Configuration' page in the Yealink Device Management Platform. The left sidebar has 'Model Configuration' highlighted. The top right has an 'Add Template' button. Below the search bar, there is a table with columns: Template Name, Model, Description, and Operation. The first row has 'T42G' in the Template Name column, 'SIP-T42G' in the Model column, and 'T42G' in the Description column. The Operation column has a gear icon, a document icon, a list icon, and a three-dot menu icon. A red box highlights the gear icon.



Step 2: Configure the parameters.

Set Template Parameters | T42G T

Account	Directory	Features	Network	Security	Settings
---------	-----------	----------	---------	----------	----------

Register

Account1

Server1 Transport Type

UDP

?

Server1 Expires

3600

?

Server1 Retry Counts

3

?

Server2 Transport Type

UDP

?

Server2 Expires

3600

?

Server2 Retry Counts

3

?

Outbound Proxy Server

Disabled

?

Outbound Proxy Server address1

?

Outbound Proxy Server port1

5060

?

Outbound Proxy Server address2

?

1 Configure the corresponding parameters.

Save

2 Cancel

Step3: Update the device configuration file immediately.

✓

Set successfully!

×

Update the device configuration now?

Yes

No

Step 4: Push the parameters to update it.

### Push to update the parameters

Please select a site ▼MAC/Device Name/Account Info

<input checked="" type="checkbox"/>	MAC	Device Name	Account Info
<input checked="" type="checkbox"/>	805ec023fb35	0002	0002

1

>

2

Selected Device : 1

MAC	Device Name	Account Info
805ec023fb35	0002	0002

×

Push to Update

Cancel

Step 5: Select the execution mode.

### Please select the execution mode

Note: After update, device configuration file will be overwritten

1

Execution mode ☒ At once ☐ Timing

2

OK

Cancel

## Setting the SMTP Mailbox

SMTP mailbox can be used to send the related information to the users or the administrators, such as the alarm and the account information.

**Yealink** Device management platform

Device Management Account Management Device Configuration Site Management Task Management Alarm Management Device Diagnostic Dashboard System Management Log Management Sub account management Mailbox Settings License

**Mailbox Settings**

\*SMTP: exchange2013.yealinkuc.com

\*Sender: liqj@yealinkuc.com

\*Username: liqj@yealinkuc.com

\*Password: .....

\*Port: 587

☒ This server requires secure connections to the

TLS

☒ Enable the mailbox

Save Test email settings

(Optional) Enter an email address to test whether or not the email address you set is available.

# Managing the Sub-Administrator Account

There are two types of administrators: system administrator and sub-administrator.  
If you are the system administrator, you can add sub-administrator accounts.

## Before you begin

You set the SMTP mailbox (on page 10).

**Yealink** Device management platform

Device Update English admin Feedback Document Download

**Add sub account**

Username

**Username**

\* Username Mary

Phone Number 1212 \* Email test2@yealink.com

Office Address Huli district, Xiamen, Fujian Provence

\* Function List

☐ Select all

- ☐ Account Management
- ☒ Device Management
  - ☒ Device List
  - ☒ Firmware Management
  - ☒ Resource Management
- ☒ Device Configuration
  - ☒ Model Configuration
  - ☒ Group Configuration
  - ☒ MAC Configuration
  - ☒ Global Parameter Settings

**Sub account management**

Log Management

Mailbox Settings

License

**Save** **Save and add** **Cancel**

Edit the corresponding parameters for this account, and select the corresponding function for this account.

## Monitoring the Alarm

When the devices are abnormal, they will send alarms to the platform. You can solve the problem by monitoring the alarms.

### Before you begin

You set the SMTP mailbox (on page 10).

#### ✧ Editing the System Administrator Email

This mailbox is used for receiving the alarm and the account information.

The screenshot shows the Yealink Device management platform interface. The top navigation bar includes the Yealink logo, 'Device management platform', a notification bell, 'Device Update', 'English', a user profile 'admin', and links for 'Feedback' and 'Document Download'. The left sidebar has 'Device Management' and 'Account Management'. The main content area is titled 'Mailbox Settings' and 'Account Settings'. A user profile for 'admin' is shown with a placeholder icon, 'Username : admin', and 'Password : \*\*\*\*\* Edit'. Below this is the 'Basic Settings' form with the following fields:

- \* Company name: yealink
- Phone number: 12345678901
- \* Email: admin@yealink.com
- Office address: Huli district, Xiamen, Fujian Provence
- Country/Area: China

At the bottom of the form are 'Save' and 'Cancel' buttons. A dashed orange line with numbered circles 1, 2, and 3 indicates the steps to edit the account settings: 1 points to the 'Account Settings' link in the top right, 2 points to the 'Basic Settings' form, and 3 points to the 'Save' button.

## ※ Adding the Alarm Strategy

**Alarm Strategy**

[Add Strategy](#) (2)

Strategy	Alarm Severity (3)	Alarm Strategy	Alarm Receiver	Status	Operation (4)
Strategy name	<input checked="" type="checkbox"/> Minor <input type="checkbox"/> Major <input type="checkbox"/> Critical	<input type="checkbox"/> Email <input checked="" type="checkbox"/> In-Station	admin	<input checked="" type="checkbox"/> Enable	<a href="#">Save</a> <a href="#">Cancel</a>
system_default	Minor, Major, Critical	Email, In-station	admin	Enable	

Configure the name, the severity, the strategy, the status, and click to set the receiver.

## ※ Viewing the Alarm

**Alarm List** [Export](#)

Device name/MAC/IP  [More](#)

0 selected [Delete](#)

MAC	Device Name	Site	IP	Alarm Severity	Alarm Time	Alarm Type	Module	Operation
<input type="checkbox"/> 001565c2d...	2401	yealink	10.81.46.34	Critical	2018/12/18 15:04...	Register failure	--	
<input type="checkbox"/> 001565c187...	2984	yealink	10.81.40.52	Critical	2018/12/18 15:04...	Register failure	--	
<input type="checkbox"/> 001565c2d...	1020	yealink	10.81.46.30	Critical	2018/12/18 15:04...	Register failure	--	
<input type="checkbox"/> 001565c2d...	--	--	10.81.46.34	Critical	2018/12/12 20:23...	Device capacity o...	--	

Go to the Device Diagnostic page.

Go to the Alarm Information page.

## More Information

For more information about YDMP, refer to <http://support.yealink.com/>.