



Yealink Device Management Platform Quick Start Guide

Applies to version 3.1.0.13 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	The capacity of the hard drive should be 200G at least, and be increased 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

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

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.

The screenshot displays the Yealink Device Management Platform (YDMP) interface. The top navigation bar includes the Yealink logo, 'Device management platform', and user information (admin). The left sidebar contains various management options, with 'License' highlighted and marked with a red circle '1'. The main content area shows the 'License' page with a 'Please import a device certificate' prompt. A red box highlights the upload area, and a red circle '2' is next to it. Below this, a red arrow points to a second screenshot of the same interface, but now showing the 'License' page with the 'Device ID' field filled in and a red box around it. The text 'After importing the device certificate successfully, the page is displayed as below:' is written in red between the two screenshots.

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

Yealink Device management platform

License Device ID : E9D221C67AFCB5C5

Unbind License Refresh Activate offline license

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

After refreshing, the device license is displayed in the list.

License 1

※ Offline

Yealink Device management platform

License Device ID : E9D221C67AFCB5C5

Unbind License Refresh Activate offline license

Activate offline license

Please send the exported license application to your vendor

Export

Send the exported license application to Yealink to get the license.

Drag the file here or Click to upload

Upload the license.

Only .lic file less than 1MB is available.

License 1

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, 'Device management platform', a notification bell with '3', 'Device Update', 'English', 'admin', 'Feedback', and 'Document Download'. The left sidebar contains a menu with 'Device List' highlighted. The main content area shows the 'Device List' page with a search bar, action buttons (Add Device, Import, Export, Refresh), and a table of devices. The table has columns for MAC, Model, Device Name, IP, Firmware Version, Status, Site, Report Time, and Operation. A red box highlights the table content.

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	T42sfbddd	--	--	Offline	dsafdf	--	[Icons]

Using Basic Function

Editing Devices



The screenshot displays the Yealink Device Management Platform interface. The top navigation bar includes the Yealink logo, 'Device management platform', a notification bell with '3', 'Device Update', 'English', 'admin', 'Feedback', and 'Document Download'. The left sidebar lists 'Device Management', 'Device List' (highlighted with a red box and '1'), 'Firmware Management', 'Resource Management', and 'Account Management'. The main content area shows the 'Device List' section with a search bar, 'Add Device', 'Import', 'Export', and 'Refresh' buttons. Below the search bar are buttons for 'Delete', 'Site settings', 'Update Configuration File', 'Update Firmware', 'Update Resource File', and 'More'. A table lists devices with columns for 'MAC', 'Model', 'Device Name', 'IP', 'Firmware Version', 'Status', 'Site', 'Report Time', and 'Operation'. The 'Operation' column for the first device is highlighted with a red box and '2'. Below the table, the 'Edit Device' section shows a phone icon, 'MAC Address : 001565c18725', and 'Device Model : SIP-T48G'. A red box labeled '3' highlights the 'Please edit' form, which includes fields for 'Device Name' (2984), '*Site' (yealink), and 'Bind Account' (Account 1, SIP, 2984). At the bottom, a red box labeled '4' highlights the 'Save' button, with a red dashed line connecting it to the 'Edit Device' button in the table.

Yealink Device management platform

Device List

Device/MAC/Account Info/IP

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	

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 page has a dark header with the Yealink logo and 'Device management platform'. The left sidebar contains navigation options: Device Management, Account Management, Device Configuration, Model Configuration (highlighted with a red box and a '1' in a red circle), and Group Configuration. The main content area has a search bar for 'Template Name/Model/Description' and a 'Search' button. Below the search bar is a table with columns: Template Name, Model, Description, and Operation. The first row of the table is highlighted with a red box and a '3' in a red circle. The 'Template Name' field contains 'T42', the 'Model' dropdown is set to 'SIP-T42G(SFB)', and the 'Description' field contains 'SIP T42-SFB'. To the right of the table, there are 'Save' and 'Cancel' buttons, with a '4' in a red circle next to the 'Operation' column header. A red box around the 'Add Template' button in the top right corner is labeled with a '2' in a red circle. A red arrow points from the text 'You can add only one configuration template for a device model.' to the 'Model' dropdown in the highlighted 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 page has a dark header with the Yealink logo and 'Device management platform'. The left sidebar contains navigation options: Device Management, Account Management, Device Configuration, Model Configuration (highlighted with a blue bar), and Group Configuration. The main content area has a search bar for 'Template Name/Model/Description' and a 'Search' button. Below the search bar is a table with columns: Template Name, Model, Description, and Operation. The first row of the table is highlighted with a blue bar. The 'Template Name' field contains 'T42G', the 'Model' dropdown is set to 'SIP-T42G', and the 'Description' field contains 'T42G'. To the right of the table, there are icons for 'Set Template Parameters' (a gear icon, highlighted with a red box), 'Export', 'Import', and 'More Options' (three dots). A blue 'Add Template' button is visible in the top right corner.

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

Selected Device : 1

MAC	Device Name	Account Info	
805ec023fb35	0002	0002	×

1

2

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.

The screenshot displays the 'Mailbox Settings' page in the Yealink Device Management Platform. The page includes a sidebar with navigation options and a main content area with the following 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

At the bottom of the form, there are two buttons: 'Save' and 'Test email settings'. A callout box points to the 'Test email settings' button with the text: "(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

Phone Number * Email

Office Address

* 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

1 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 displays the 'Yealink Device management platform' interface. The top navigation bar includes 'Device Update', 'English', 'admin', 'Feedback', and 'Document Download'. The left sidebar shows 'Device Management' and 'Account Management'. The main content area is titled 'Mailbox Settings' and 'Account Settings'. A user profile card shows 'Username : admin' and 'Password : ***** Edit'. Below this is a '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, there is a 'Save' button (highlighted with a red box and a circled '3') and a 'Cancel' button. A dashed orange line connects a circled '1' on the 'Account Settings' menu item to a circled '2' on the 'Basic Settings' form.

※ Adding the Alarm Strategy

Alarm Strategy

[Add Strategy](#) 2

Strategy	Alarm Severity	Alarm Strategy	Alarm Receiver	Status	Operation
<input type="text" value="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"/>	Save Cancel
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.

Alarm Strategy 1

※ Viewing the Alarm

Alarm List [Export](#)

Device name/MAC/IP

0 selected

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.

Alarm List 1

More Information

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