

Yealink Device Management Platform Quick Start Guide

Applies to version 3.5.0.10 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, video conferencing systems, MVC series and others in the same enterprise.

Getting Started

Hardware and Software Requirements

Linux operating system: CentOS 7.5.

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, 8446, 9989, 9090, and 80. We do not recommend that you modify those ports.

Upgrading YDMP

Before you begin

- Your hardware, software and ports should 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.

Note: If the current version is 2.0, you need to upgrade it to V3.1 first (example A) and then upgrade V3.1 to the latest version (example B). However, if the current version is 3.1 or later, you can upgrade it to the latest version directly (example B).

Example A: upgrading YDMP from V2.0.0.14 to V3.1.0.13.

Procedure

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

```
cd /usr/local
tar -xzf DM_3.1.0.13.tar.gz
cd yealink_install&& tar -xzf 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 upgraded to the corresponding version if it is upgraded successfully.

For more information, refer to the administrator guide.

Example B: upgrading YDMP from V3.1.0.13 to V3.4.0.10,
with the server IP address as 10.2.62.12.

Procedure

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

```
cd /usr/local
rm -rf yealink_install
tar -xvzf DM_3.4.0.10.tar.gz
cd yealink_install&& tar -xvzf install.tar.gz
./install -m upgrade
```
3. Select A as the upgrading method and enter 10.2.62.12.

YDMP will be upgraded to the corresponding version if it is upgraded successfully.

Installing YDMP

Before you begin

- One device running CentOS.
- Your hardware, software and ports should 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.

The following is an example of installing V3.1.0.13, with the server IP address 10.2.62.12.

Procedure

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

```
cd /usr/local
tar -xzf DM_3.1.0.13.tar.gz
cd yealink_install&& tar -xzf install.tar.gz
./install --host 10.2.62.12
```
3. Select A as the installation method. ##This is the single NIC deployment, for more information, refer to the administrator guide.

Note: When you install YDMP in version V3.3.0.0 or later for the first time, if your hardware does not meet the basic requirements for installing

Logging into YDMP

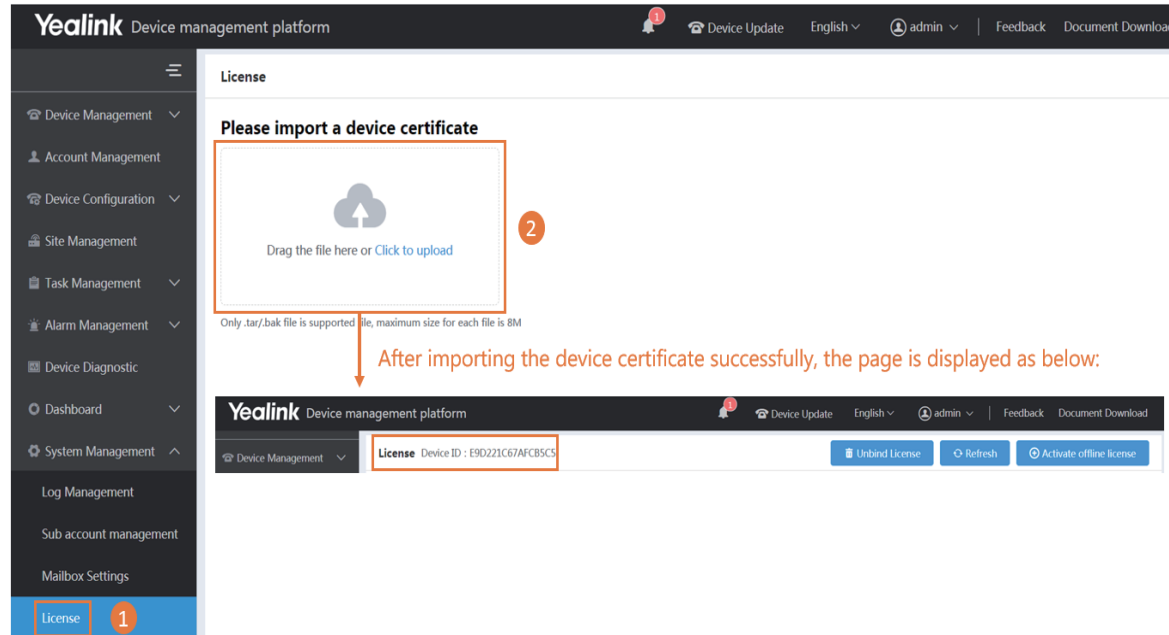
1. Open a web browser.
2. Enter **https://<IP address>/** (for example: https://10.2.62.12/) in the address box.
3. Optional: select a desired language.
4. Enter your username (default: admin) and the password (default: v123456789), and click **Login**.
5. If it is the first time you log into the platform, 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 certificate from your service provider by submitting the company name, the distributor name 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. Otherwise, you can activate the license offline.

※ Online

The screenshot shows the 'License' section of the Yealink Device management platform. The 'License' tab is selected in the left sidebar (marked with a red circle 1). The main area displays a table of licenses for Device ID: E9D221C67AFCB5C5. The table has columns: License ID, Status, Mode, Licenses, Validity, Expiration Time, and Activation Time. A red circle 2 highlights the 'Refresh' button above the table. A red callout box points to the table with the text: 'After refreshing, the device license is displayed in the list.'

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

※ Offline

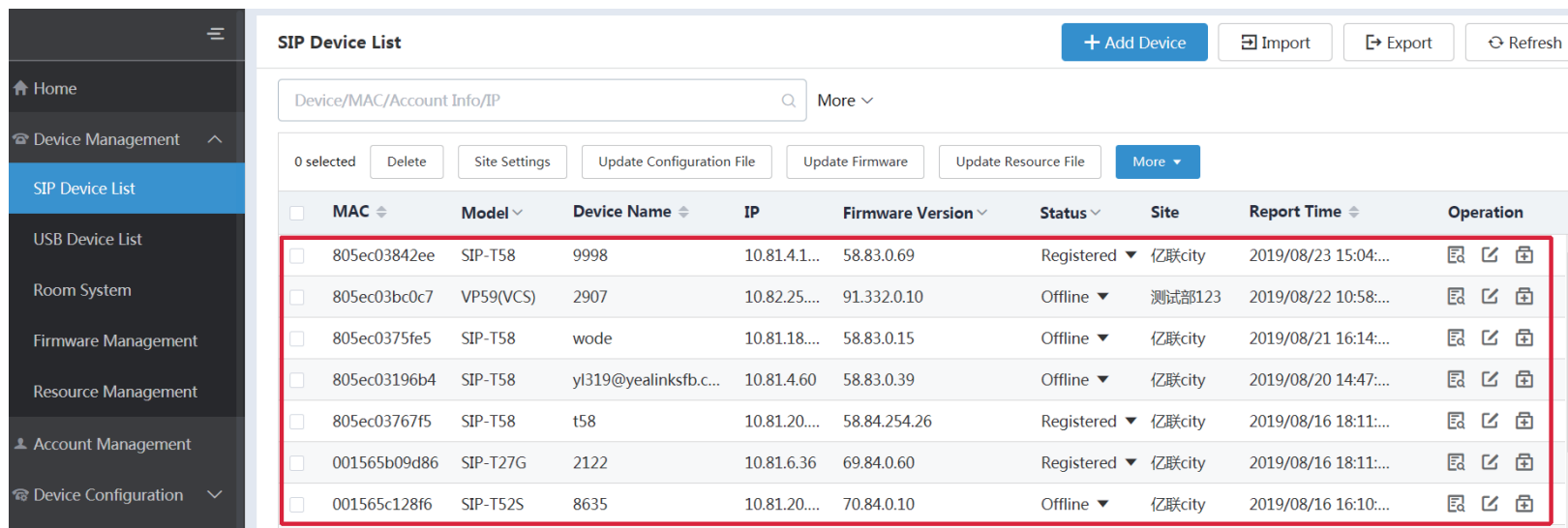
The screenshot shows the 'License' section of the Yealink Device management platform. The 'License' tab is selected in the left sidebar (marked with a red circle 1). The 'Activate offline license' button is highlighted with a red circle 2. A modal window titled 'Activate offline license' is open. It contains an 'Export' button (marked with a red circle 3) and a file upload area with a red circle 4. A red callout box points to the 'Export' button with the text: 'Send the exported license application to Yealink to get the license.' Another red callout box points to the upload area with the text: 'Upload the license.' The modal also includes the text: 'Please send the exported license application to your vendor' and 'Only .lic file less than 1MB is available.'

Deploying the SIP 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.



	MAC	Model	Device Name	IP	Firmware Version	Status	Site	Report Time	Operation
<input type="checkbox"/>	805ec03842ee	SIP-T58	9998	10.81.4.1...	58.83.0.69	Registered	亿联city	2019/08/23 15:04:...	
<input type="checkbox"/>	805ec03bc0c7	VP59(VCS)	2907	10.82.25....	91.332.0.10	Offline	测试部123	2019/08/22 10:58:...	
<input type="checkbox"/>	805ec0375fe5	SIP-T58	wode	10.81.18....	58.83.0.15	Offline	亿联city	2019/08/21 16:14:...	
<input type="checkbox"/>	805ec03196b4	SIP-T58	yl319@yealinksf.c...	10.81.4.60	58.83.0.39	Offline	亿联city	2019/08/20 14:47:...	
<input type="checkbox"/>	805ec03767f5	SIP-T58	t58	10.81.20....	58.84.254.26	Registered	亿联city	2019/08/16 18:11:...	
<input type="checkbox"/>	001565b09d86	SIP-T27G	2122	10.81.6.36	69.84.0.60	Registered	亿联city	2019/08/16 18:11:...	
<input type="checkbox"/>	001565c128f6	SIP-T52S	8635	10.81.20....	70.84.0.10	Offline	亿联city	2019/08/16 16:10:...	

Deploying the MVC Series

On your MTouch, open Yealink Room Connect, go to **Remote Management**, and configure the related parameters. After that, the MVC series will be connected to YDMP automatically.

Deploying the USB Devices

Open USB Device Manager client, go to **Config DM Server**, and complete the corresponding configuration. The USB Device will be connected to the device management platform automatically.

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 with a red circle '3'. A red circle '4' highlights the 'Operation' column. A red arrow points from the text 'You can add only one configuration template for a device model.' to the first row.

Model Configuration

Template Name/Model/Description

0 selected

<input type="checkbox"/>	Template Name	Model	Description	Operation
<input type="checkbox"/>	T42	SIP-T42G(SFB)	SIP T42-SfB	<input type="button" value="Save"/> <input type="button" value="Cancel"/>

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 plus icon, a minus icon, and a three-dot menu icon. A red box highlights the gear icon.


Model Configuration

Template Name/Model/Description

0 selected

<input type="checkbox"/>	Template Name	Model	Description	Operation
<input type="checkbox"/>	T42G	SIP-T42G	T42G	


Step 2: Configure the parameters.

Set Template Parameters | T48S Edit the parameter in the text. 

1

Account Directory Dsskey Features Network Security Settings

Auto Provision
Call Display
Configuration
Power Saving 1
Preference 2
SIP
TR069
Time&Date
Tones 3
Upgrade
Voice
Voice Monitoring

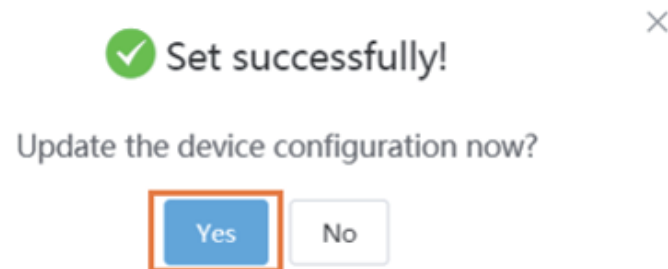
☒ Select All  Reset

Preference

<input checked="" type="checkbox"/> Language ? Chinese_T	<input type="checkbox"/> Live Dialpad ? Disabled	<input type="checkbox"/> Transparency ? 1
<input type="checkbox"/> Inter Digit Time(1~14s) ? 4	<input type="checkbox"/> Inactive Level ? Low	<input type="checkbox"/> Active Level ? 8
<input type="checkbox"/> Backlight Time(seconds) ? Always On	<input type="checkbox"/> Watch Dog ? Enabled	<input type="checkbox"/> Ring Type ? Ring1.wav
<input type="checkbox"/> Ringtone URL ? 	<input checked="" type="checkbox"/> Wallpaper ? 04.jpg	<input type="checkbox"/> Wallpaper URL ?
<input type="checkbox"/> Wallpaper with Dsskey Unfold ? Auto	<input type="checkbox"/> Screensaver Wait Time ? 6h	<input type="checkbox"/> Screensaver Display Clock ? Enabled
<input type="checkbox"/> Screensaver Type ? System	<input type="checkbox"/> XML Browser URL ? 	<input type="checkbox"/> Upload Screensaver ?

2 Save Cancel

Step3: Update the device configuration file immediately.



Step 4: Push the parameters to update it.

1

Please select a site

MAC/Device Name/Account Info

<input checked="" type="checkbox"/>	MAC	Device Name	Account Info
<input checked="" type="checkbox"/>	001565f30702	T48S-ZYD	2572

>

Selected : 1

MAC	Device Name	Account Info
001565f30702	T48S-ZYD	2572

1

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 Alarm

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

Before you begin

You set the SMTP mailbox (on page 9).

✧ Editing the Mailbox

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

Yealink Device management platform

Device Management Account Management

Mailbox Settings

Account Settings

Account Settings Privacy Policy Exit

Username : admin

Password : ***** [Edit](#)

Basic Settings

* Company name yealink

Phone number 12345678901

* Email admin@yealink.com

Office address Huli district, Xiamen, Fujian Province

Country/Area China

3 Save Cancel

※ Adding the Alarm Strategy

Alarm Strategy

0 selected [Delete](#)

Strategy	Alarm Strate...	Notification ...	Status	Alarm Receiver	Alarm content	Devices	Operation
<input type="checkbox"/> CRITICAL ALARMS	Email,In-station	Real-time	On	hongy@yealink.com,balyf@yealink.com,h...	Bad call quality, Register failure, Update firm...	All	✎
<input type="checkbox"/> ALARM-A1	Email,In-station	Real-time	On	balyf@yealink.com	Bad call quality, Register failure, Update firm...	Site	✎
<input type="checkbox"/> system_default	Email,In-station	Real-time	On	liqj@yealink.com	Call failed, Hold failed, Resume failed, Play v...	All	✎

Add strategy

1 Set basic information 2 Alarm Receiver 3 Alarm content 4 Devices 5 Finish

* Strategy: CRITICAL ALARMS

* Alarm Strategy: ☒ Email ☐ In-Station

* Notification frequency: ☒ Real-time ☐ Daily ☐ Weekly

Status: ☒ On ☐ Off

Configure the basic information, the alarm receivers, the alarm content, and the devices.

[Next step](#) [Cancel](#)

※ Viewing the Alarm

Alarm List

Use the default filter in the system to view the filtered alarm content. You can also customize the filter.

[Export](#)

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

1 selected [Delete](#) [Resolved](#) [Ignore](#) [Active](#)

Select the desired alarm, click Resolved/Ignore/Active to change the alarm status.

Status	MAC	Device Name	Model	Site	IP	Alarm Severity	Alarm Time	Alarm Type	Module	Operation
<input type="checkbox"/> Active	e0d55efda9be	99999	MVC400	Yealink	10.86.3.13	Critical	2020/04/30 09:31:00	Offline	Connectivity	🔍 🗑️ 📄
<input type="checkbox"/> Active	001565c69d03	BYF-T41S	SIP-T41S	balyf测试站...	10.81.88.65	Critical	2020/04/28 18:05:00	Offline	Connectivity	🔍 🗑️ 📄
<input checked="" type="checkbox"/> Active	805ec03c3738	5002	SIP-T57W	Yealink	10.71.1.25	Critical	2020/04/27 11:17:06	Register failure	Protocol	🔍 🗑️ 📄

Click the detail to view the alarm information.

Click to go to the page of Device Diagnostic.

More Information

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