



# Yealink Device Management Platform Quick Start Guide

Applies to version 3.7.0.1 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	

Note: This QSG only provides requirements for stand-alone installation. For more information about cluster installation, please refer to the administrator guide.

### Port Requirements

You need open five 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:** 1. 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).  
2. After installing YDMP, you must import the latest parameter configuration file (See page 5).

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 -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 upgraded to the corresponding version if it is upgraded successfully.

For more information, refer to the administrator guide.

## 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. For installing YDMP in higher versions, refer to the administrator guide.

#### 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
```
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 YDMP, your installation will be forbidden. Change your hardware and re-install YDMP according to the prompts.

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.

# 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

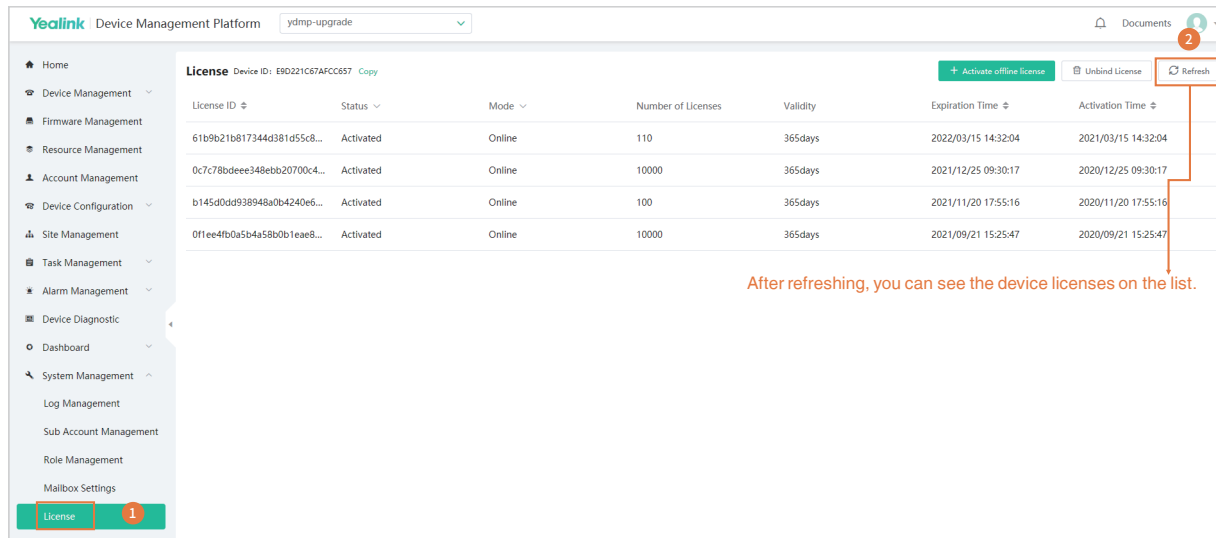
1. Obtain the device certificate from your service provider by submitting the company name, the distributor name and the country.
2. Follow the instructions in the picture below to upload the certificate.

The screenshot shows the 'License' management page in the YDMP interface. On the left is a navigation menu with 'License' highlighted at the bottom, marked with a red circle '1'. The main content area is titled 'License' and features a large dashed border box for file upload, containing a cloud icon and the text 'Drag the file here or Click to upload'. Below this box, a file named 'E9D221C67AFCC657.tar' is listed, marked with a red circle '2'. A note specifies 'Only .tar/.bak file is supported file, maximum size for each file is 8M'. Below the file list are 'Upload' and 'Cancel' buttons, with the 'Upload' button marked with a red circle '3'. A red arrow points down to a result message: 'Result: After successfully importing the device certificate, you can see the device ID.' Below this message is a box containing the text 'License Device ID: E9D221C67AFCC657 Copy'.

## 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



Yealink Device Management Platform ydmp-upgrade

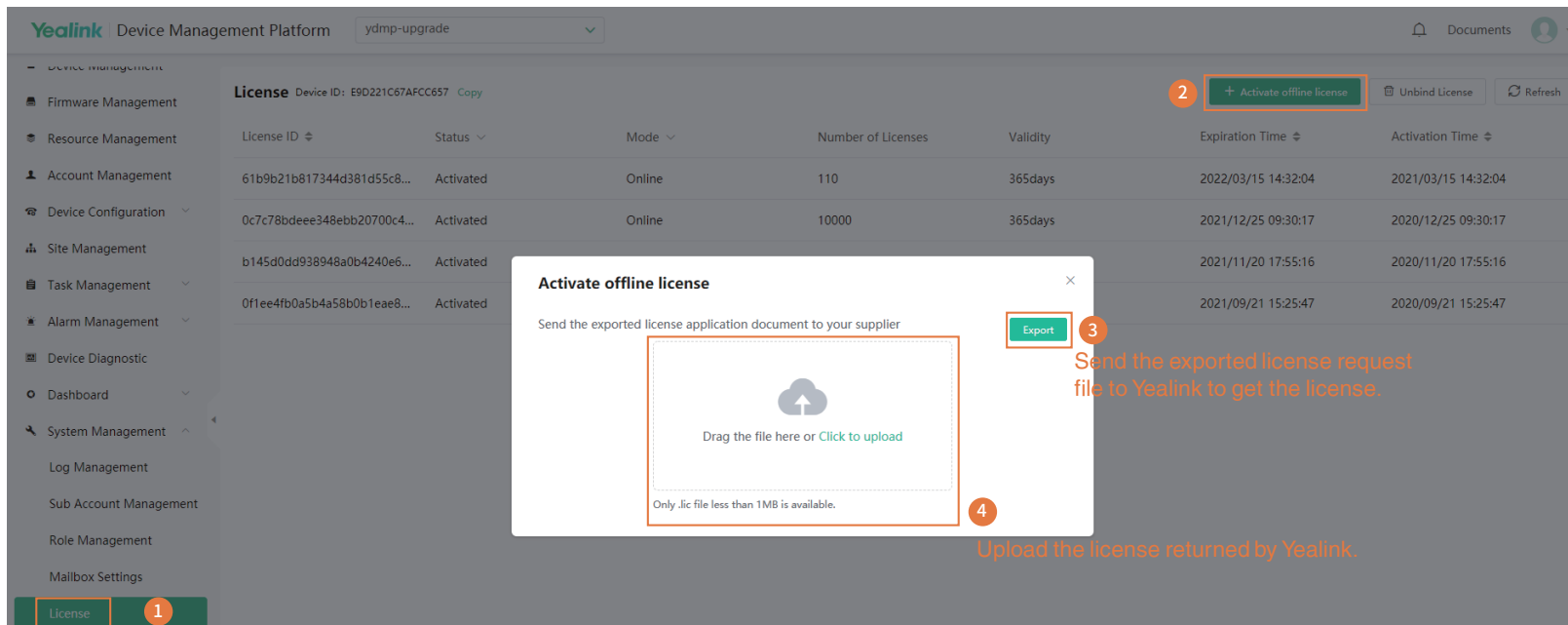
License Device ID: E9D221C67AFCC657 Copy

+ Activate offline license Unbind License Refresh

License ID	Status	Mode	Number of Licenses	Validity	Expiration Time	Activation Time
61b9b21b817344d381d55c8...	Activated	Online	110	365days	2022/03/15 14:32:04	2021/03/15 14:32:04
0c7c78bdeee348ebb20700c4...	Activated	Online	10000	365days	2021/12/25 09:30:17	2020/12/25 09:30:17
b145d0dd938948a0b4240e6...	Activated	Online	100	365days	2021/11/20 17:55:16	2020/11/20 17:55:16
0f1ee4fb0a5b4a58b0b1eae8...	Activated	Online	10000	365days	2021/09/21 15:25:47	2020/09/21 15:25:47

After refreshing, you can see the device licenses on the list.

### ※ Offline



Yealink Device Management Platform ydmp-upgrade

License Device ID: E9D221C67AFCC657 Copy

+ Activate offline license Unbind License Refresh

License ID	Status	Mode	Number of Licenses	Validity	Expiration Time	Activation Time
61b9b21b817344d381d55c8...	Activated	Online	110	365days	2022/03/15 14:32:04	2021/03/15 14:32:04
0c7c78bdeee348ebb20700c4...	Activated	Online	10000	365days	2021/12/25 09:30:17	2020/12/25 09:30:17
b145d0dd938948a0b4240e6...	Activated	Online	100	365days	2021/11/20 17:55:16	2020/11/20 17:55:16
0f1ee4fb0a5b4a58b0b1eae8...	Activated	Online	10000	365days	2021/09/21 15:25:47	2020/09/21 15:25:47

**Activate offline license**

Send the exported license application document to your supplier

Drag the file here or Click to upload

Only .lic file less than 1MB is available.

Export

Send the exported license request file to Yealink to get the license.

Upload the license returned by Yealink.

## Importing the Latest Parameter Configuration File

If your YDMP is upgraded from a lower version, you must import the latest parameter configuration file. Otherwise, you cannot use some device models. You can update the configuration by downloading the latest configuration file from Yealink official website. If the configuration is updated, the parameters in the template will be updated synchronously.

You can download the latest configuration file from

<http://support.yealink.com/documentFront/forwardToDocumentDetailPage?documentId=243>

**Configuration Update**

Current Version: 2.0.0.64 Last upload: 2021/04/14 09:17:53

You can download the latest device parameters file from Yealink official website

Please select the file to upload

2   3

Only .xls file is supported. Maximum size is 2M and the file name is xxx\_(V1.0.0.1).

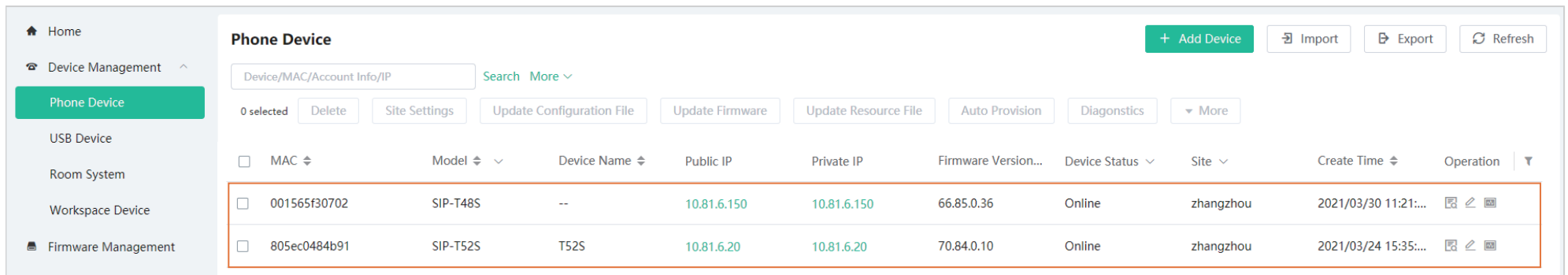
Yealink\_Config(2.0.0.66).xls

1 Configuration Update





## 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.



The screenshot shows a web interface for managing phone devices. On the left is a navigation menu with options like Home, Device Management, Phone Device, USB Device, Room System, Workspace Device, and Firmware Management. The main area is titled 'Phone Device' and includes a search bar, a '+ Add Device' button, and buttons for Import, Export, and Refresh. Below these are several action buttons: Delete, Site Settings, Update Configuration File, Update Firmware, Update Resource File, Auto Provision, Diagnostics, and More. A table lists two devices with columns for MAC, Model, Device Name, Public IP, Private IP, Firmware Version, Device Status, Site, Create Time, and Operation. The first device has MAC 001565f30702, Model SIP-T48S, and Public IP 10.81.6.150. The second device has MAC 805ec0484b91, Model SIP-T52S, and Public IP 10.81.6.20.

MAC	Model	Device Name	Public IP	Private IP	Firmware Version...	Device Status	Site	Create Time	Operation
001565f30702	SIP-T48S	--	10.81.6.150	10.81.6.150	66.85.0.36	Online	zhangzhou	2021/03/30 11:21:...	 
805ec0484b91	SIP-T52S	T52S	10.81.6.20	10.81.6.20	70.84.0.10	Online	zhangzhou	2021/03/24 15:35:...	 

## 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

In the following, we take model configuration as an example to show how to add and manage configuration template.

### ✧ Adding a Configuration Template

The screenshot displays the 'Model Configuration' interface. On the left is a navigation menu with 'Model Management' highlighted and marked with a red circle '1'. The main area shows a search bar and a list of items. A modal dialog titled 'Add Model Configuration' is open, featuring a progress bar with four steps: 1. Basic, 2. Model, 3. Set Parameters, and 4. Finish. The 'Basic' step is active. The form contains the following fields: 'Template Name' (text input with 'T48S'), 'Site' (dropdown menu with 'Yealink'), and 'Description' (text input with 'Model Confiation for T48S'). A red circle '3' points to the form with the instruction: 'According to the prompts, set and save the parameter.' At the bottom of the dialog are 'Next step' and 'Cancel' buttons. In the top right corner of the main interface, a red circle '2' highlights a '+ Add Template' button. On the right side, there is an 'Operation' table with three rows, each containing icons for edit, delete, and download.



## ※ Managing Configuration Templates

Home

Device Management

Firmware Management

Resource Management

Account Management

Device Configuration

**Model Management**

Site Configuration

Group Configuration












MAC Configuration

### Model Configuration

+ Add Template

Template/Model/Description Search

0 selected Delete

<input type="checkbox"/>	Site	Template Name	Model	Description	Operation
<input type="checkbox"/>	zhangzhou	For T52S			Click to edit the configuration items in Graphic or Text interface.    
<input type="checkbox"/>	DongNan	T54S	SIP-T5		Click to push the configuration to the selected device.    
<input type="checkbox"/>	Xiamen	T52S	SIP-T52S		Click to edit the configuration template.    
<input type="checkbox"/>	WULLLALA	T48S	SIP-T48S		Click to download the configuration template.    

# 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.

**Mailbox Settings**

\* SMTP  
smtp.yealinkops.com

\* Sender  
ydmp\_test@yealinkops.com

\* Account  
ydmp\_test@yealinkops.com

\* Password  
.....

\* Port Number  
25

This server requires secure connections to the  
Please select

Enable the mailbox

1 Mailbox Settings

2

3   (Optional) Enter the email address to test whether the email you set is available.

Current Version: 3.7.254.31

# 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.

The screenshot displays the Yealink management interface. On the left, a sidebar menu includes 'Yealink -test', 'admin@yealink.com', 'Account Setting', 'Language', 'Privacy Policy', 'Feedback', and 'Sign Out'. The 'Account Setting' option is highlighted with a red box and a '2' in a red circle. At the top right, a user profile icon is highlighted with a red box and a '1' in a red circle. The main content area is titled 'Account Setting' and 'Account Code'. It contains a table of settings with 'Edit' links for each row. A red box highlights the 'Edit' link for the 'Enterprise Name' row, with a '3' in a red circle and the text 'Click Edit beside the desired item to edit the information.' The table data is as follows:

Account Setting		Account Code	
Enterprise Name	Yealink-test		
Country/Area	China		<a href="#">Edit</a>
Time Zone	(UTC+08:00) Beijing, Chongqing, Hong Kong, Urumqi		<a href="#">Edit</a>
Temp symbol	Celsius		<a href="#">Edit</a>
<strong>Account infos</strong>			
Account	Yealink中国-test		
Email	admin@yealink.com		<a href="#">Edit</a>
Role	admin		
Password	*****		<a href="#">Edit</a>
Office Address	--		<a href="#">Edit</a>

## ※ Adding the Alarm Strategy

**Alarm Strategy**

0 selected

Name

system\_default

**← Add Strategy**

1 Basic    2 Alarm Receiver    3 Alarm content    4 Devices

\* Strategy  
Daily-Primary-Alarm

\* Notice ways  
 In-Station     Email

\* Notification frequency  
 Real-time     Daily     Weekly

Status

2

3 According to the prompts, set and save the parameter.

Devices	Operation
All	<input type="button" value="edit"/>
date configurati...	All <input type="button" value="edit"/>

## ※ Viewing the Alarm

**Alarm List**

MAC  Search More

6 selected

Status  Mac Device Name  Model Site IP Alarm Severity  Alarm Time  Alarm Type  Module  Operation

Active  0015652a98ab VC200-LX VC200 142-baiyf 10.81.14.97 Critical 2021/04/14 14:4

Active  00000002038 VC500-LX VC500 142-baiyf 10.81.14.70 Critical 202

Active  0015652a98ab VC200-LX VC200 142-baiyf 10.81.14.97 Critical 2021/04/14 14:21:43 Register failure Protocol

Active  805ec0af6863 PVT50-LX PVT950 142-baiyf 10.81.14.35 Critical 2021/04/14 13:34:10 Register failure Protocol

Active  00000002038 VC500-LX VC500 142-baiyf 10.81.14.70 Critical 2021/04/14 11:34:35 Register failure Protocol

Active  805ec03c3738 SIP-T57W SIP-T57W 142-baiyf 10.81.99.64 Critical 2021/04/14 10:33:00 Device is offline Connectivity

Use the default filter or customize the filter to view the filter alarm.

Select the desired alarm and click Resolved/Ignore/Delete to change the alarm status.

Click to view the alarm details.

Click to go to the Device Diagnostic page.

# More Information

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