

# Yealink Phone and CUCM Configuration Guide

## Yealink Phone register account

### 1. For CUCM

#### a . Add New User

Cisco Unified CM Administration  
For Cisco Unified Communications Solutions

System > Call Routing > Media Resources > Advanced Features > Device > Application > User Management > Bulk Administration > Help

Find and List Users

+ Add New    Select All    Clear All    Delete Selected

Status  
8 records found

User (1 - 8 of 8)

Find User where First name begins with Find Clear Filter

| <input type="checkbox"/> | User ID | Meeting Number | First Name | Last Name | Department | Directory URI |
|--------------------------|---------|----------------|------------|-----------|------------|---------------|
| <input type="checkbox"/> | 4201    | 4201           |            | lin       |            |               |
| <input type="checkbox"/> | 1024    | 1024           |            | Mars      |            |               |
| <input type="checkbox"/> | 7499    | 7499           |            | gljw      |            |               |
| <input type="checkbox"/> | mars    | 1300           |            | csw       |            |               |
| <input type="checkbox"/> | lzi     | 1200           |            | test      |            |               |
| <input type="checkbox"/> | 5300    | 5300           |            | cumctest  |            |               |
| <input type="checkbox"/> | 8630    | 8630           | w          | root      |            |               |
| <input type="checkbox"/> | 8632    | 8632           | ww         | roo       |            |               |

+ Add New    Select All    Clear All    Delete Selected

Cisco Unified CM Administration  
For Cisco Unified Communications Solutions

System > Call Routing > Media Resources > Advanced Features > Device > Application > User Management > Bulk Administration > Help

End User Configuration

Save    Delete    + Add New

Status  
Status: Ready

User Information 注册名称

User Status: Enabled Local User

User ID\*

Password  [Edit Credential](#)

Confirm Password

Self-Service User ID  用户名称

PIN  [Edit Credential](#)

Confirm PIN

Last name\*

Middle name

First name

Display name

Title

Directory URI

Telephone Number

Home Number

Mobile Number

Pager Number

Mail ID

Manager User ID

Department

User Locale

Associated PC/Site Code

Digest Credentials  密码

Confirm Digest Credentials

User Profile  [View Details](#)

Fill in the below field:  
1. User ID  
2. Self-Service User ID  
3. Digest Credentials

Note:

User ID is the Register Name field of Yealink Phone account register page;

Self-Service User ID is the User Name field

Digest Credentials is the Password field

## b . Add Phone

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

Navigation: Cisco Unified CM Administration | Go  
ciscoadmin | Search Documentation | About | Logout

System | Call Routing | Media Resources | Advanced Features | **Device** | Application | User Management | Bulk Administration | Help

Find and List Phones  
Add New | Select All | Clear All | Delete Selected

Status: 4 records found

Phone (1 - 4 of 4) Rows per Page 50

Find Phone where Device Name begins with Find Clear Filter Select item or enter search text

| Device Name(Line) * | Description     | Device Pool | Device Protocol | Status     | Last Registered | Last Active      | Unified CH | IPv4 Address | Copy | Super Copy |
|---------------------|-----------------|-------------|-----------------|------------|-----------------|------------------|------------|--------------|------|------------|
| SEP001569F2D0FC     | SEP001569F2D0FC | Default     | SIP             | None       | Never           |                  | None       |              |      |            |
| SEP001569F2D0FC     | SEP001569F2D0FC | Default     | SIP             | Registered | Now             | 11/02/2020 20:31 | 10.2.1.180 | 10.81.82.62  |      |            |
| SEP802EC0985D07     | SEP802EC0985D07 | Default     | SIP             | Registered | Now             |                  | 10.2.1.180 | 10.81.82.12  |      |            |
| SEP802EC0985D07     | SEP802EC0985D07 | Default     | SIP             | Registered | Now             |                  | 10.2.1.180 | 10.81.82.63  |      |            |

Add New | Select All | Clear All | Delete Selected | Reset Selected | Apply Config to Selected

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

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**Add a New Phone**

Next

Status  
Status: Ready

Select the type of phone you would like to create

Phone Type\* Third-party SIP Device (Basic)

Next

\*- indicates required item.  
\*\*- Create a phone template using the Bulk Administration Tool to enable template-based phone creation.



### Phone Configuration

Save

#### Status

Status: Ready

#### Phone Type

**Product Type:** Third-party SIP Device (Basic)  
**Device Protocol:** SIP

#### Device Information

Device is not trusted

|                                                                               |                                                                                             |
|-------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| MAC Address*                                                                  | <input type="text"/>                                                                        |
| Description                                                                   | <input type="text"/>                                                                        |
| Device Pool*                                                                  | -- Not Selected -- <a href="#">View Details</a>                                             |
| Common Device Configuration                                                   | < None > <a href="#">View Details</a>                                                       |
| Phone Button Template*                                                        | -- Not Selected --                                                                          |
| Common Phone Profile*                                                         | Standard Common Phone Profile <a href="#">View Details</a>                                  |
| Calling Search Space                                                          | < None >                                                                                    |
| AAR Calling Search Space                                                      | < None >                                                                                    |
| Media Resource Group List                                                     | < None >                                                                                    |
| Location*                                                                     | Hub_None                                                                                    |
| AAR Group                                                                     | < None >                                                                                    |
| Device Mobility Mode*                                                         | Default                                                                                     |
| Owner                                                                         | <input type="radio"/> User <input checked="" type="radio"/> Anonymous (Public/Shared Space) |
| Owner User ID                                                                 | <input type="text"/>                                                                        |
| Mobility User ID                                                              | < None >                                                                                    |
| Use Trusted Relay Point*                                                      | Default                                                                                     |
| Always Use Prime Line*                                                        | Default                                                                                     |
| Always Use Prime Line for Voice Message*                                      | Default                                                                                     |
| Geolocation                                                                   | < None >                                                                                    |
| <input type="checkbox"/> Ignore Presentation Indicators (internal calls only) |                                                                                             |
| <input checked="" type="checkbox"/> Logged Into Hunt Group                    |                                                                                             |
| <input type="checkbox"/> Remote Device                                        |                                                                                             |

#### Number Presentation Transformation

After the required fields are clicked, select the first one  
Bind related users, and Click Save to Save the configuration

**Cisco Unified CM Administration**  
For Cisco Unified Communications Solutions

System ▾ Call Routing ▾ Media Resources ▾ Advanced Features ▾ Device ▾ Application ▾ User Management ▾ Bulk Administration ▾ Help ▾

### Phone Configuration

Save

Remote Device

**Number Presentation Transformation**

**Caller ID For Calls From This Phone**

Calling Party Transformation CSS < None >

Use Device Pool Calling Party Transformation CSS (Caller ID For Calls From This Phone)

**Remote Number**

Calling Party Transformation CSS < None >

Use Device Pool Calling Party Transformation CSS (Device Mobility Related Information)

**Protocol Specific Information**

BLF Presence Group\* Standard Presence group

MTP Preferred Originating Codec\* 711ulaw

Device Security Profile\* Third-party SIP Device Basic - Standard SIP Nor

Rerouting Calling Search Space < None >

SUBSCRIBE Calling Search Space < None >

SIP Profile\* Early Offer Sip Prifile [View Details](#)

Digest User < None >

Media Termination Point Requir 1024

Unattended Port 4201

Require DTMF Reception 5300

7499

8630

8632

**MLPP and Confidential Access L**

MLPP Domain < None > [z]

Confidential Access Mode < None > mars

Confidential Access Level < None >

Save

**i** \*- indicates required item.

**i** \*\*- Device reset is not required for changes to Packet Capture Mode and Packet Capture Duration.

### c . Add DN

Note: DN has been added in the figure below, if not, Line[1] will display Add a new DN, click to add it

**Phone Configuration**

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

Save | Delete | Copy | Reset | Apply Config | Add New

Status: Ready

| Association                                      | Phone Type                                                                                                                                                                            |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 <a href="#">Line [1] - 1200 (no partition)</a> | Product Type: Third-party SIP Device (Basic)<br>Device Protocol: SIP                                                                                                                  |
| 2 <a href="#">Line [2] - Add a new DN</a>        | Real-time Device Status<br>Registration: Registered with Cisco Unified Communications Manager 10.2.1.180<br>IPv4 Address: 10.81.9.12<br>Active Load ID: None<br>Download Status: None |

----- Unassigned Associated Items -----

**Device Information**

Device is Active  
⚠ Device is not trusted

|                             |                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------|
| MAC Address*                | 805EC04BDDDD1                                                                               |
| Description                 | SEP805EC04BDDDD1                                                                            |
| Device Pool*                | Default <a href="#">View Details</a>                                                        |
| Common Device Configuration | < None > <a href="#">View Details</a>                                                       |
| Phone Button Template*      | Third-party SIP Device (Basic)                                                              |
| Common Phone Profile*       | Standard Common Phone Profile <a href="#">View Details</a>                                  |
| Calling Search Space        | < None >                                                                                    |
| AAR Calling Search Space    | < None >                                                                                    |
| Media Resource Group List   | MRGList                                                                                     |
| Location*                   | Hub_None                                                                                    |
| AAR Group                   | < None >                                                                                    |
| Device Mobility Mode*       | Default <a href="#">View Current Device Mobility Settings</a>                               |
| Owner                       | <input type="radio"/> User <input checked="" type="radio"/> Anonymous (Public/Shared Space) |
| Owner User ID               |                                                                                             |
| Mobility User ID            | < None >                                                                                    |
| Use Trusted Relay Point*    | Default                                                                                     |
| Always Use Prime Line*      | Default                                                                                     |

Enter the **Self-Service User ID** of the End user in the first step, then Safe

**Directory Number Configuration**

System | Call Routing | Media Resources | Advanced Features | Device | Application | User Management | Bulk Administration | Help

Save | Delete | Reset | Apply Config | Add New

Status: Ready

**Directory Number Information**

|                               |          |                 |
|-------------------------------|----------|-----------------|
| Directory Number*             | 1200     | Urgent Priority |
| Route Partition               | < None > |                 |
| Description                   |          |                 |
| Alerting Name                 |          |                 |
| ASCII Alerting Name           |          |                 |
| External Call Control Profile | < None > |                 |

## 2. For Yealink Phone

### a . Go to the Account > Register

The screenshot shows the Yealink T54S web interface. The top navigation bar includes 'Status', 'Account', 'Network', 'Dsskey', 'Features', 'Settings', 'Directory', and 'Security'. The 'Account' tab is selected, and the 'Register' sub-tab is active. The main configuration area is for 'Account3'. The fields are as follows:

| Field               | Value       |
|---------------------|-------------|
| Register Status     | Registering |
| Line Active         | Enabled     |
| Label               |             |
| Display Name        |             |
| Register Name       | lzt         |
| User Name           | 1200        |
| Password            | *****       |
| SIP Server 1        |             |
| Server Host         | 10.2.1.180  |
| Port                | 5060        |
| Transport           | UDP         |
| Server Expires      | 3600        |
| Server Retry Counts | 3           |

**NOTE**

**Account Registration**  
Register account (s) for the IP phone.

**Server Redundancy**  
It is often required in VoIP development to ensure service continuity, for events where the server needs to be taken offline for maintenance, or for events when the connection between the IP phone and the server fails.

**NAT Traversal**  
A computer networking technique of establishing and maintaining Internet protocol connections across gateways that implement NAT.  
You can configure NAT traversal for this account.

### Note:

User ID is the Register Name field of Yealink Phone account register page;

Self-Service User ID is the User Name field

Digest Credentials is the Password field