



# Yealink IP Phone Configuration Guides

Version 2.0

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**Yeastar Information Technology Co. Ltd.**

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# 1. Introduction

This guide shows you how to manually configure Yealink IP phones with MyPBX and how to provision the Yealink IP phones with MyPBX. It has been tested with the latest firmware version supported by MyPBX firmware version X.19.0.47.

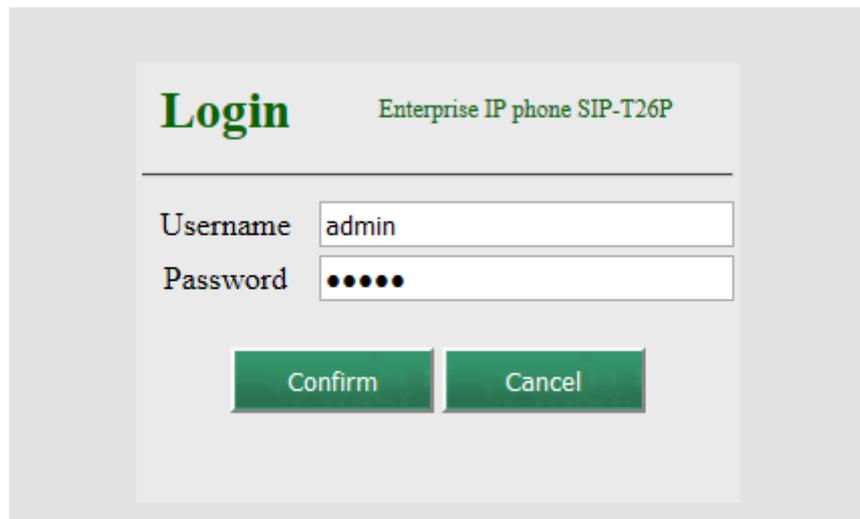
## **Applicable Models:**

- T12, T18,T19, T19E2
- T20, T21, T21E2, T22, T23, T23P, T26, T27, T27P, T28, T29, T29G
- T32, T38
- T41, T42, T46, T46G, T48G
- W52P
- VP530
- VP-2009

Please note that different firmware revisions may have different web interface formats and functionality.

## 2. Register with MyPBX Manually

1. Start up the phone and identify its IP Address – press the menu key on the phone, and select the "Settings" option. For this example we will assume the IP Address of the phone is 192.168.6.13, and IP Address of MyPBX is 192.168.6.162.
2. Point your browser to the web interface of the phone: <http://192.168.6.13>.
3. Enter the phone's login username (default "admin") and password (default "admin").



The screenshot shows a web browser window displaying the login page for a Yealink Enterprise IP phone (SIP-T26P). The page has a light gray background. At the top left, the word "Login" is written in a large, bold, green font. To its right, "Enterprise IP phone SIP-T26P" is written in a smaller, green font. Below this header, there are two input fields. The first is labeled "Username" and contains the text "admin". The second is labeled "Password" and contains six black dots. Below the input fields, there are two green buttons with white text: "Confirm" on the left and "Cancel" on the right.

4. Click on the "Account" tab
5. We now need to set the phone to register with MyPBX. Ensure that the "Account" field is set to "Account 1", and in the "Basic" section, configure as follows:

The screenshot shows the Yealink T26P web interface with the 'Account' tab selected. The 'Account 1' dropdown is open, and the 'Register' status is 'Registered'. The 'Line Active' field is set to 'Enabled'. The 'Label' field is 'catherine', 'Display Name' is 'catherine', 'Register Name' is '6041', and 'User Name' is '6041'. The 'Password' field is masked with dots. 'Enable Outbound Proxy Server' is 'Disabled'. The 'Outbound Proxy Server' field is empty, with 'Port' set to '5060'. 'Transport' is 'UDP'. 'NAT' is 'Disabled'. The 'STUN Server' field is empty, with 'Port' set to '3478'. The 'SIP Server 1' field is '192.168.6.162', with 'Port' set to '5060'. The 'Server Expires' field is '3600'.

- 1) Set the "Line Active" field to "Enabled"
  - 2) Set the "Label" field to the name you want to appear on the Phone display.
  - 3) Set the "Display Name" field to the name you want to appear on another phone's display when calling other phones.
  - 4) Set the "Register Name" field to the extension number you want to associate with this phone.
  - 5) Set the "User Name" field to the extension's Authentication ID.
  - 6) Set the "Password" field to the extension's Authentication Password.
  - 7) Set the "SIP Server" field to the IP Address of MyPBX – in this example, 192.168.6.162.
  - 8) Set the SIP Server "Port" field to the SIP Port of MyPBX (default "5060")
  - 9) Ensure the "NAT Traversal" field is set to "Disabled"
6. Click the "Confirm" button at the bottom of the page. The phone will now register with MyPBX. The Register Status "Registered" indicates that the extension is successfully registered to MyPBX.

### 3. Configuring BLF on Yealink

#### Notes:

- Not all Yealink phones support BLF feature.
- MyPBX supports to monitor PSTN, GSM and SIP trunk.
- You can seize a PSTN or GSM trunk by pressing BLF key and dial out.
- Please choose the correct "Account" which is registered to MyPBX, or it will not work.

Click on the "DSS Key" tab to configure BLF.

Key	Type	Value	Line	Extension
Memory 1	BLF	5007	Line 1	*04
Memory 2	BLF	pstn4	Line 1	
Memory 3	BLF		Line 1	
Memory 4	N/A		N/A	
Memory 5	N/A		N/A	

**NOTE**

**Key Type**  
The free function key 'Types' Speed Dial, Key Event, Intercom.

**Key Event**  
Key events are predefined

- **Type:** choose "BLF".
- **Value:** enter the monitored extension number or trunk name of MyPBX.
- **Line:** choose the line which is registered to MyPBX.
- **Extension:** enter the pickup code of MyPBX (default is \*04), when the monitored extension is ringing, you can press the BLF key to pick up the call.

Click the "Confirm" button at the bottom of the page. Your phone will now re-register with MyPBX with the monitoring settings enabled.

## 4. Provisioning for MyPBX

The easiest way to set up a Yealink phone for use with MyPBX is to use the built-in plug and play provisioning functionality inside MyPBX. This will allow the phone to configure itself by retrieving a generated phone configuration file. Alternatively you can configure using DHCP and option. For more information, see this configuration guide.

### 1) Verify Firmware Installed on your Phone

Verify the firmware version currently installed on the phone as older firmware will not have the plug and play feature. You can power up the phone and press “Menu > Status > Firmware” to check. Go to Yealink Support Website to download the latest firmware for your phone.

### 2) Plug phone into the network

Plug your Yealink phone into your LAN. (The Phone must be on the same LAN as that of MyPBX IP PBX).

### 3) Approve phone and Assign an Extension

To do provisioning with Yealink IP phones, you can choose PnP mode or DHCP mode. When you phone provisioning via PnP mode, there is no need to set MyPBX working as the only DHCP server any more.

## 4.1 Phone Provisioning via PnP Mode

**Step1.** Log in Htek phone web user interface, go to “**Settings->Auto Provision**” to enable PnP feature on your Yealink phone.

The screenshot shows the 'Auto Provision' configuration page in the Yealink T26P web interface. The 'PNP Active' option is selected with the 'On' radio button. Other settings include DHCP Active (Off), Custom Option (128~254) (empty), DHCP Option Value (yealink), Server URL (empty), User Name (empty), Password (masked), Attempt Expired Time(s) (5), Common AES Key (masked), MAC-Oriented AES Key (masked), Zero Active (Disabled), and Wait Time (1~100s) (5). A 'NOTE' box on the right explains that these are auto provision parameters for administrators and provides a link to more guides.

**Step2.** Check MAC address of your Yealink IP Phone on **Status** page.

The screenshot shows the 'Status' page in the Yealink T26P web interface. It displays system information including Version (Firmware: 6.73.0.50, Hardware: 4.0.0.1), Network (Internet Port: IPv4), IPv4 (WAN Port Type: Static IP, WAN IP Address: 192.168.6.13, Subnet Mask: 255.255.255.0, Gateway: 192.168.6.1, Primary DNS: 8.8.8.8, Secondary DNS: 192.168.6.1), and Network Common (MAC Address: 001565120a13, Link Status: Connected). The 'MAC Address' is highlighted with a red box. A 'NOTE' box on the right explains that the Version field shows the firmware version and the Network field shows WAN port information, with a link to more guides.

**Step3.** Log in MyPBX web user interface, go to “**PBX->Extensions->Phone Provisioning**”. Click  Refresh for “Not Configured Phone”, and find out your Htek phone by the MAC address.

Not Configured Phone

Configure the selected Phones  Refresh Total: 39 Show: 1-39 View: 100

ID	MAC Address	Manufacturer	IP Address	Phone Type
<input type="checkbox"/> 1	<a href="#">0015652c2666</a>	Yealink	192.168.6.40	--
<input type="checkbox"/> 2	<a href="#">001565456ccb</a>	Yealink	192.168.6.53	--
<input type="checkbox"/> 3	<a href="#">0015653411ee</a>	Yealink	192.168.6.58	--
<input type="checkbox"/> 4	<a href="#">0015651138b9</a>	Yealink	192.168.6.61	--
<input type="checkbox"/> 5	<a href="#">001565132167</a>	Yealink	192.168.6.63	--

**Step4.** Click on the selected mac address to configure the phone.

Not Configured Phone

Configure the selected Phones  Refresh Total: 40 Show: 1-40 View: 100

ID	MAC Address	Manufacturer	IP Address	Phone Type
<input type="checkbox"/> 1	<a href="#">001565120a13</a>	Yealink	192.168.6.13	--
<input type="checkbox"/> 2	<a href="#">0015652c2666</a>	Yealink	192.168.6.40	--
<input type="checkbox"/> 3	<a href="#">001565456ccb</a>	Yealink	192.168.6.53	--
<input type="checkbox"/> 4	<a href="#">0015653411ee</a>	Yealink	192.168.6.58	--

**Step5.** Assign extensions to the phone, and you can also configure the Memory keys and Line keys.

Add Phone
X

General

Codecs

Memory Key Settings

Line Keys Settings

Enabled:

MAC Address:

Manufacturer:

Call Waiting:

Auto Redial:

Phone Book:

NewConfig i:

Name:

Phone Type:

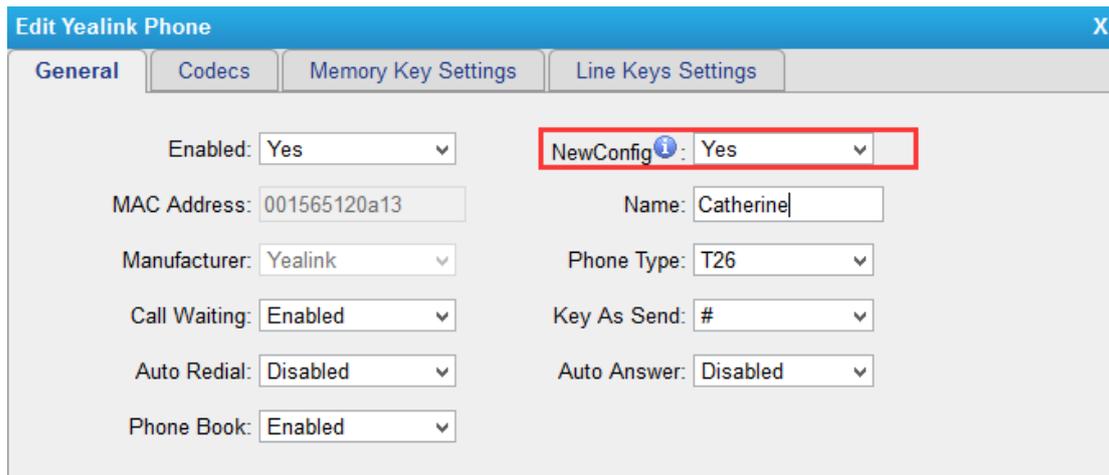
Key As Send:

Auto Answer:

Line

<input checked="" type="checkbox"/> Line1	Extension: <input type="text" value="300"/>	Label: <input type="text" value="300"/>	Line Active: <input checked="" type="checkbox"/>
<input type="checkbox"/> Line2	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>
<input type="checkbox"/> Line3	Extension: <input type="text"/>	Label: <input type="text"/>	Line Active: <input type="checkbox"/>

**Note:** if the version of Yealink IP phone is higher than X.70.0.XX, please choose ‘Yes’ for ‘New config’ field. If you use the old version, there’s need to enable this option.



The screenshot shows the 'Edit Yealink Phone' configuration interface. The 'General' tab is selected. The 'NewConfig' dropdown menu is highlighted with a red box, indicating it should be set to 'Yes'. Other settings include 'Enabled: Yes', 'MAC Address: 001565120a13', 'Manufacturer: Yealink', 'Call Waiting: Enabled', 'Auto Redial: Disabled', 'Phone Book: Enabled', 'Name: Catherine', 'Phone Type: T26', 'Key As Send: #', and 'Auto Answer: Disabled'.

Setting	Value
Enabled	Yes
MAC Address	001565120a13
Manufacturer	Yealink
Call Waiting	Enabled
Auto Redial	Disabled
Phone Book	Enabled
Name	Catherine
Phone Type	T26
Key As Send	#
Auto Answer	Disabled
NewConfig	Yes

**Step6.** Click “Save”, the phone will reboot automatically to apply the configuration.

## 4.2 Phone Provisioning via DHCP Mode

**Step1.** Disable DHCP Server on your local network.

E.g. Disable DHCP Server on Linksys Router.

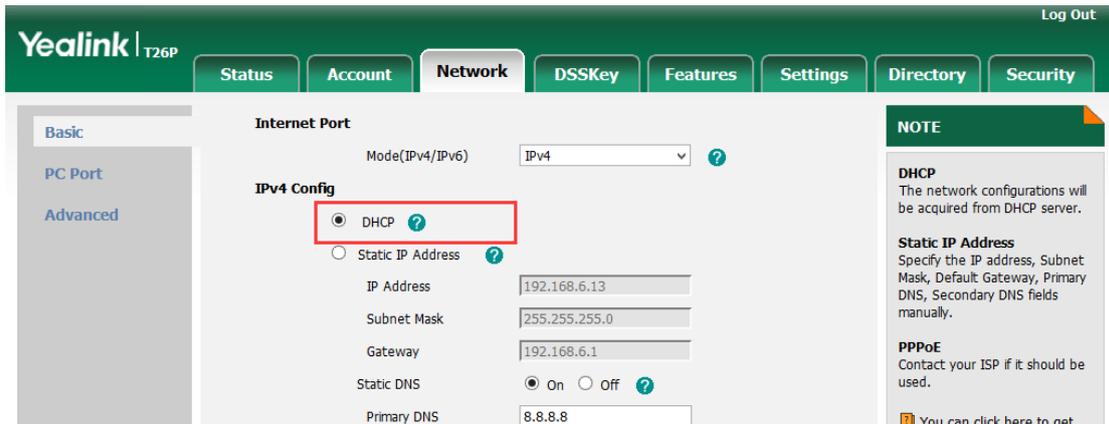
The screenshot shows the Linksys web interface for an Etherfast Cable/DSL Router (BEFSR41). The 'Setup' menu is active, and the 'Basic Setup' page is displayed. Under the 'Network Setup' section, the 'Local DHCP Server' is currently set to 'Disable', which is highlighted with a red box. Other settings include: Internet Connection Type set to 'Obtain an IP automatically', Local IP Address set to 192.168.1.1, Subnet Mask set to 255.255.255.0, and Start IP Address for DHCP set to 192.168.1.100. The 'Save Settings' and 'Cancel Changes' buttons are visible at the bottom.

**Step2.** Enable DHCP Server on MyPBX to make MyPBX as the DHCP server in the local network.

Log in MyPBX web interface, go to “**System ->Network Preferences->DHCP Server**”, enable DHCP server.

The screenshot shows the 'DHCP Server' configuration page in the MyPBX web interface. The status 'DHCP is running' is displayed in orange. The 'Enable' checkbox is checked. The configuration fields are: Router (192.168.6.1), Subnet Mask (255.255.255.0), Primary DNS (192.168.6.1), Secondary DNS (empty), Allow IP Address From (192.168.6.2), To (192.168.6.254), TFTP Server (tftp://192.168.6.126), and NTP Server (empty). 'Save' and 'Cancel' buttons are at the bottom.

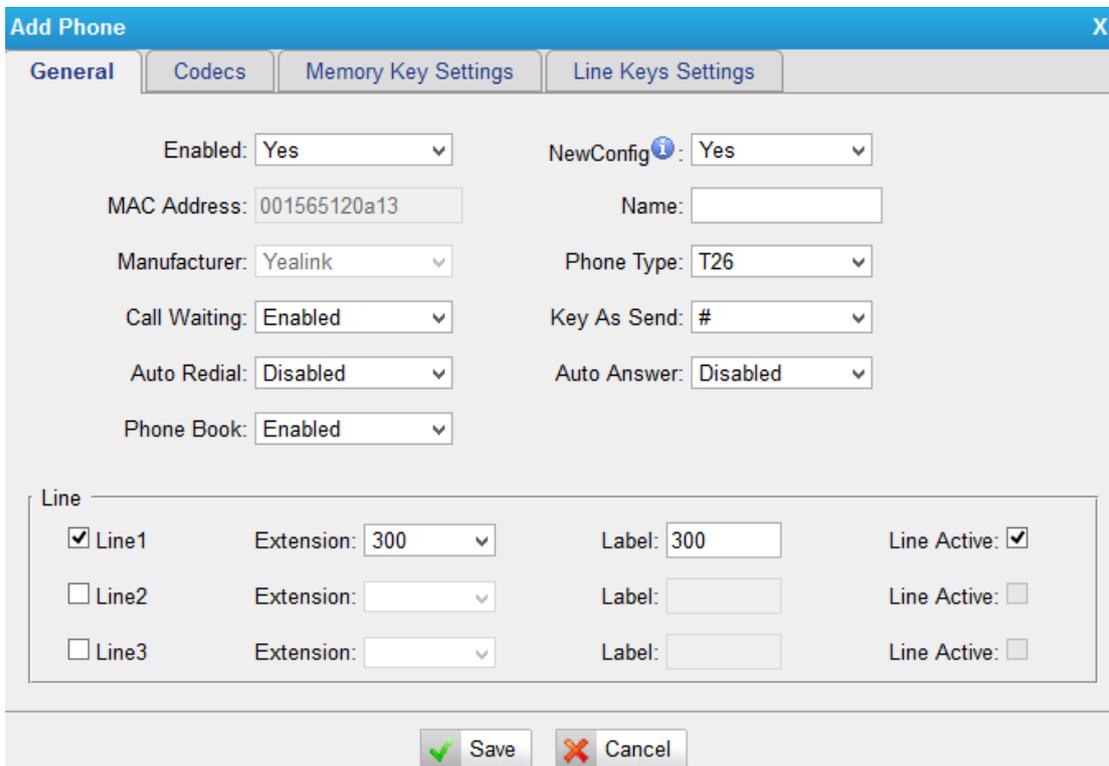
**Step3.** Set your Yealink phone as one DHCP client. Go to “**Network->Basic**” to enable DHCP.



**Step4.** Go to MyPBX “**PBX->Extensions->Phone Provisioning**”, select your Htek phone from “Not configured Phone”.



**Step5.** Assign extensions to the phone, and you can also configure the Memory keys and Line keys.



**Note:** if the version of Yealink IP phone is higher than X.70.0.XX, please choose 'Yes' for 'New config' field. If you use the old version, there's need to enable this option.

The screenshot shows the 'Edit Yealink Phone' configuration window with the 'General' tab selected. The 'NewConfig' field is highlighted with a red box and set to 'Yes'. Other fields include 'Enabled' (Yes), 'MAC Address' (001565120a13), 'Manufacturer' (Yealink), 'Call Waiting' (Enabled), 'Auto Redial' (Disabled), 'Phone Book' (Enabled), 'Name' (Catherine), 'Phone Type' (T26), 'Key As Send' (#), and 'Auto Answer' (Disabled).

Field	Value
Enabled	Yes
MAC Address	001565120a13
Manufacturer	Yealink
Call Waiting	Enabled
Auto Redial	Disabled
Phone Book	Enabled
Name	Catherine
Phone Type	T26
Key As Send	#
Auto Answer	Disabled
NewConfig	Yes

**Step6.** Click "Save", the phone will reboot automatically to apply the configuration.

[END]