

# Manually Configure a Yealink T32G, T38G, T42G, T46G IP Phone for 3CX

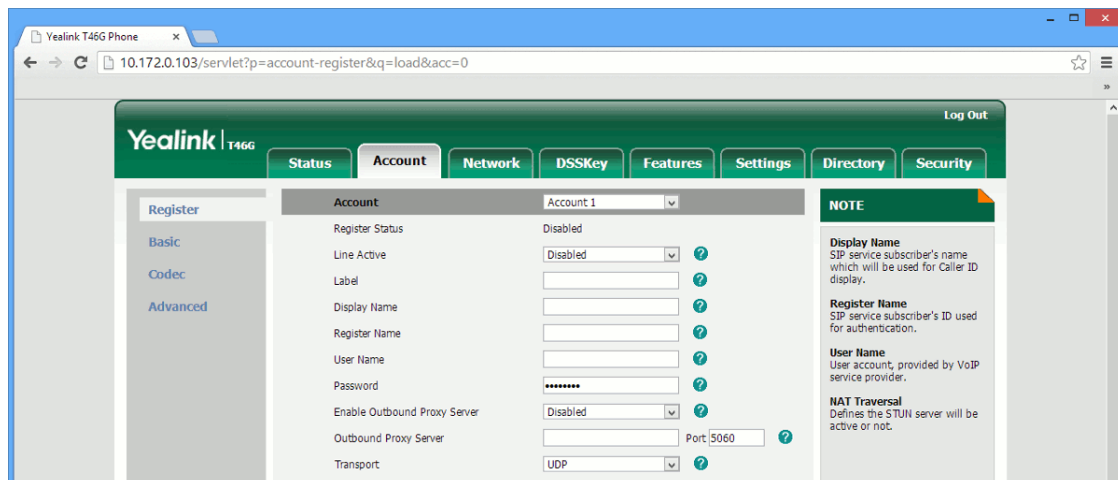
This guide applies for v12.5 and v14 3CX Installations. For the updated version of this guide go [here](#).

This guide has been tested for the following Yealink T32G, T38G, T42G, T46G IP phone models with the latest firmware versions supported by 3CX Phone System 14.0 and 12.5. Some phone models may only be available in the latest versions of the 3CX Phone System. Please note that different firmware revisions may have different web interface formats and functionality. For further support, please visit [Yealink here](#).

The best way of setting up a Yealink T32G, T38G, T42G, T46G IP phone is via [Plug and Play Provisioning](#). Alternatively, follow the steps below to manually configure your Yealink phone.

## Configuring a Yealink T32G, T38G, T42G, T46G IP Phone to Register with 3CX

1. Start up your Yealink IP phone and identify its IP address. To find your phone's IP address, simply press the **OK** key on the phone. In this example we're going to assume that the IP address of your Yealink phone is **10.172.0.103** and the IP address of the server (or PC) where 3CX Phone System is installed is **10.172.0.174**
2. Point your browser to the web interface of your Yealink G series phone, which in this example is **http://10.172.0.103**
3. Enter your phone's login credentials – username and password is **admin** by default



Yalink T46G

Register

Basic

Codec

Advanced

Account

Account 1

Register Status: Disabled

Line Active: Enabled

Label: John Scott

Display Name: John Scott

Register Name: 100

User Name: 100

Password: \*\*\*\*\*

Enable Outbound Proxy Server: Disabled

Outbound Proxy Server: Port: 5060

Transport: UDP

NAT: Disabled

STUN Server: Port: 3478

SIP Server 1

Server Host: 10.172.0.174

Server Expires: 3600

Server Retry Counts: 3

SIP Server 2

Server Host: Port: 5060

Server Expires: 3600

Server Retry Counts: 3

Confirm

Cancel

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4. Click on the **Account** tab. You'll now be taken to the Account configuration page as shown above

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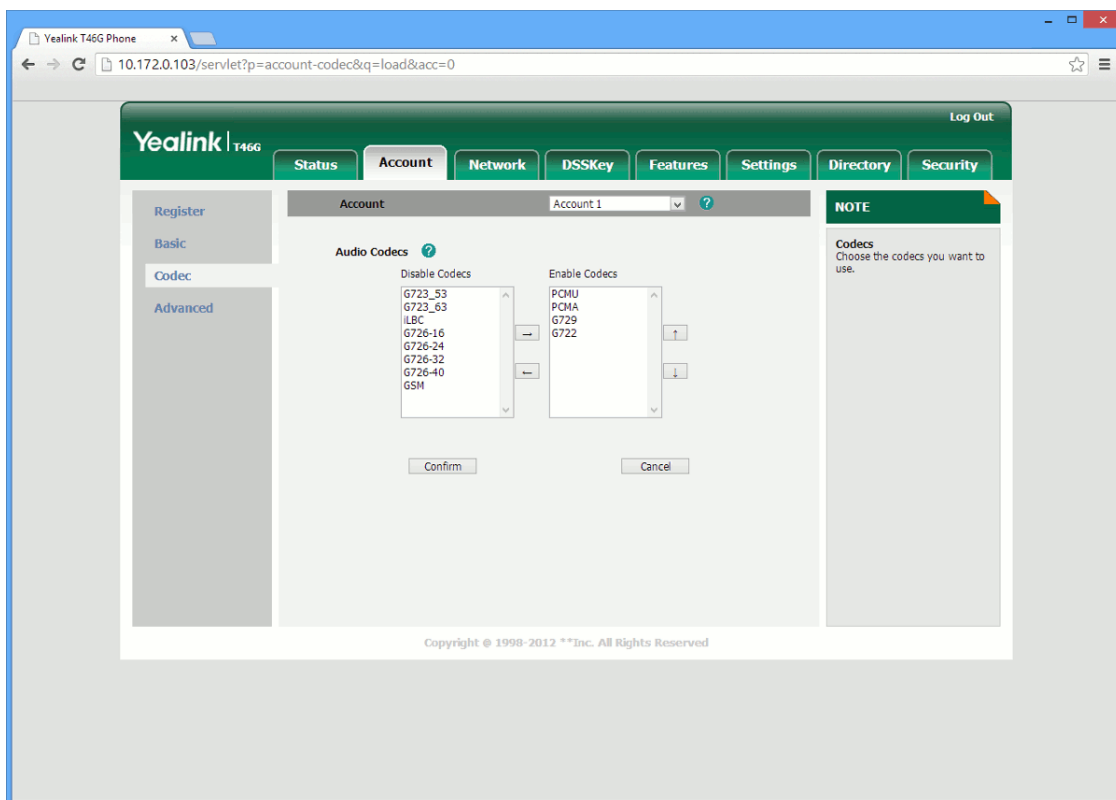
Cancel

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5. We now need to set your Yealink phone to register with 3CX Phone System. To do this, you'll need to make sure that the **Account** field is set to **Account 1**. The below steps show you how to configure the fields:

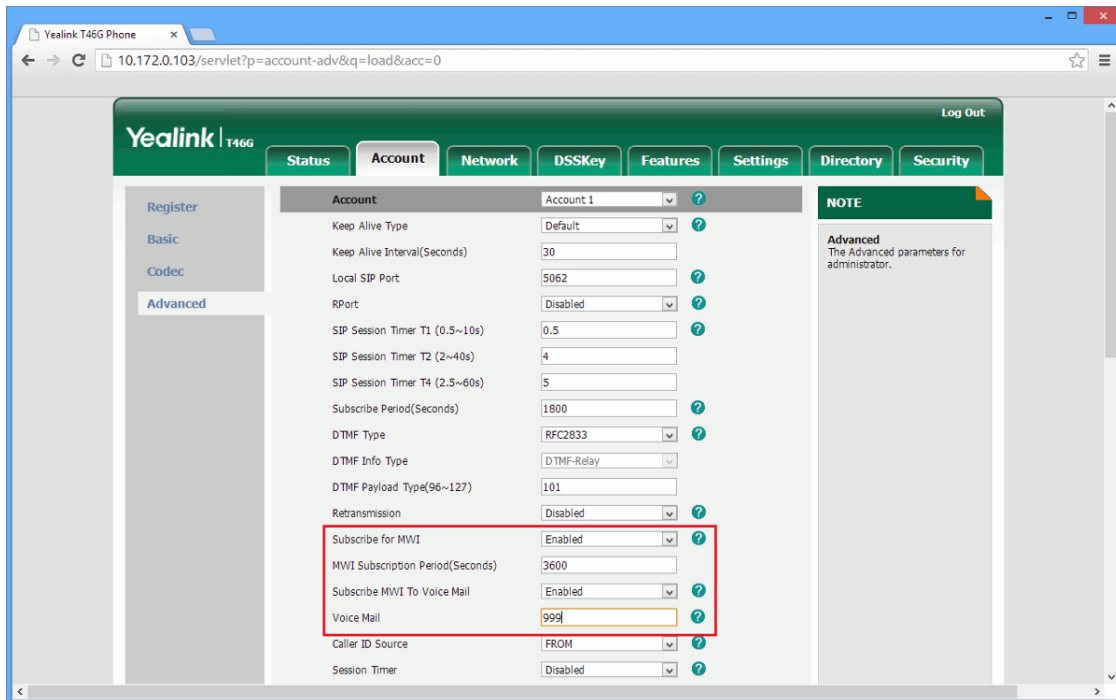
- Set the **Line Active** field to **Enabled**
- Set the **Label** field to the name you want to appear on your Yealink's screen, e.g. Jaymes
- Set the **Display Name** field to the name you want to appear on another phone's screen when calling other phones that are connected to your 3CX IP PBX
- Set the **Register Name** field to the extension number you want to associate with your Yealink phone

- Set the **User Name** field to the extension's Authentication ID
  - Set the **Password** field to the extension's Authentication Password
  - Ensure the **NAT Traversal** field is set to **Disabled**
  - Set the **SIP Server** field to the IP address of the 3CX Phone System machine, which in this example is 10.172.0.174
    - If you would like to specify the FQDN of the 3CX Phone System machine instead of the IP address, [check out this FQDN guide](#)
  - Set the SIP Server **Port** field to the SIP port of the 3CX Phone System machine, which by default is 5060
6. Once you've entered all the details in the accounts page click on **Confirm** and wait until your Yealink phone applies your newly configured settings



7. Click on the **Codec** option to your left and ensure that the **Enable Codecs** list box contains the following codecs in this order:
1. **PCMU**
  2. **PCMA**
  3. **G729**
  4. **G722**
1. If the list of codecs aren't listed as shown above, use the arrow keys to organise them into the above list

8. When you've finished modifying your audio codec priority, click on **Confirm**. Your phone will now apply your changes
9. We now need to configure the phone to subscribe for MWI (Message Warning Indicators) and BLF's. To do that click and expand the **Advanced** section side menu:



- Set the **Subscribe for MWI** field to **Enabled**
- Set the **Subscribe MWI To Voice Mail** field to **Enabled** and set the **Voice Mail** field to your voicemail number, which is normally **999**
- Click **Confirm** at the bottom of the page. Your Yealink T32G, T38G, T42G, T46G IP phone will now register with 3CX Phone System. You can verify the registration of your phone within the 3CX Management Console by navigating to the **Extension Status** node

## Optional – Configure BLF Function Keys on Your Yealink G Series IP Phone

Unfortunately, the Yealink T32G doesn't have BLF functionality, but the Yealink T38G, T42G and T46G IP phone's do. In this section, we're going to show you just how easy it is to setup your Yealink's [BLF Function Keys](#), which come in handy if you want to monitor the status of other extensions or to assign additional functionality such as DND (Do Not Disturb), hold, speed dials and other functionality. To configure your BLF keys, follow these simple steps:

1. Point your browser to the web interface of the phone **<http://10.172.0.103>**

2. Log into your Yealink phone – username and password are **admin** by default
3. Click on the **DSSKey** tab and make sure the **Line Key 1-9** is highlighted in the sidebar

Yealink T46G

Log Out

Status Account Network **DSSKey** Features Settings Directory Security

Line Key 1-9  
Line Key 10-18  
Line Key 19-27  
Programable Key  
Ext Key

Enable Page Tips: Enabled  
Label Length: Default

Key	Type	Value	Label	Line	Extension
Line Key1	BLF	101	Jack Russel	Line 1	101
Line Key2	BLF	102	John Morris	Line 1	102
Line Key3	Voice Mail	999	Voicemail	Line 1	
Line Key4	Hold			N/A	
Line Key5	DND			N/A	
Line Key6	BLF	103	Horacio Hayes	Line 1	103
Line Key7	BLF	104	Katerina Smith	Line 1	104
Line Key8	Speed Dial	105	Andy Deluca	Line 1	
Line Key9	N/A			N/A	

Confirm Cancel

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**NOTE**

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

**Key Event**  
Key events are predefined shortcuts to phone and call functions.

**Intercom**  
Enable the 'Intercom' mode and it is useful in an office environment as a quick access to connect to the operator or the secretary.

4. Setup your BLF keys by:
  - Choosing which BLF function you want from within the **Type** column, e.g. BLF, Speed Dial, Hold, DND, etc.
  - In the **Value** field, enter the extension number
  - In the **Label** field, enter the name of the BLF field that you want to show on your phone screen
  - Select **Line 1** from the **Line** field and add an extension to the **Extension** field
5. After you've configured your BLF keys for **Line Key 1-9**, you can configure more BLF function keys by selecting the **Line Key 10-18** link within the sidebar
6. Once you've completed setting up your BLF keys, click **Confirm** to apply them to your phone

Congratulations! You have now manually configured your Yealink G series IP phone for use with 3CX Phone System.