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1. Introduction

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

Applicable Models:

- 3010
- 3020
- 3030
- 3110
- 3120
- 3130
- 3210
- 3220
- 3230
- 3240

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 OK key on the phone to get the Information. For this example the IP address of the phone is 192.168.5.126, and IP address of MyPBX is 192.168.5.150.

2. Point your browser to the web interface of the phone: http://192.168.5.126

3. Enter the phone’s login username (default "admin") and password (default "admin").

   **SIP Account Basic Settings**

   ![SIP Account Basic Settings](image)

   Figure 1-1

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:
SIP Account Basic Settings

1) Set the "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, 192.168.5.150.
8) Set the SIP Server "Port" field to the SIP Port of MyPBX (default "5060").
9) Click the "Confirm" button at the bottom of the page. The phone will now register with MyPBX. This can be verified via the “Status” page of MyPBX Management Console.
6. Next, we need to configure the audio codecs. Click on the "Account/Codec" tab. Ensure that the "Enable codecs" list box contains first "G722", then "PCMU", and finally "PCMA". Click the "Confirm" button at the bottom of the page.

**SIP Account Audio Codec Settings**

![Image of SIP Account Audio Codec Settings](image)

Figure 1-3

7. We also need to configure the phone to subscribe for MWI notifications. Click on the "Account/Advanced" tab:
   1) Set the "Subscribe MWI" field to "Enabled"
   2) Click the "Confirm" button at the bottom of the page

![Image of Subscribe MWI setting](image)

Figure 1-4
3. Configuring BLF on Tiptel

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.

You can also manually configure the Tiptel 31xx Memory Keys to monitor the status of other extensions or trunks on the system.

1) Click on the "Keys" tab, and then select the keys you want to configure (DSS Keys or EXT Keys at optional extension module).

2) For each button you would like to configure, configure an extension to be monitored by configuring the "DSS Key 1" row (for example) as follows:

**DSS Keys (Decision Support Systems)**

<table>
<thead>
<tr>
<th>Key</th>
<th>Type</th>
<th>Label</th>
<th>Parameter 1</th>
<th>Line</th>
<th>Parameter 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Busy lamp field (BLF)</td>
<td>Peter</td>
<td>500</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Busy lamp field (BLF)</td>
<td>Lisa</td>
<td>501</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Figure2-1

- Set the "Type" field to "Busy Lamp Field (BLF)".
- Set the "Line" field to "Line 1" (Assume that Account 1 is registered to MyPBX).
- Set the "Parameter1" field to the extension number or the trunk name to be monitored (for example 500 or pstn1).
- Click the "Confirm" button at the bottom of the page. Your phone will now re-register with MyPBX with the monitoring settings enabled.
4. Auto Provisioning

The easiest way to set up a Tiptel 31xx phone for 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.

**Step1.** Plug your Tiptel 31xx phone into your LAN. (The Phone must be on the same LAN as that of MyPBX IP PBX).

**Step2.** Check if PNP is enabled in IP phone side. Click “Service” → “Auto Provisioning” to check the details. Auto-Provisioning via PNP is activated by default in Tiptel 31xx phones.

![Figure 3-1](image)

**Step2.** Check the MAC address of your Tiptel 31xx IP Phone on status page (or press Ok key at phone keypad).

![Figure 3-2](image)
Step 3. Search the MAC address you would like to configure on the “Phone Provisioning” → “Not Configured Phone” page.

In this case, the MAC address of Tiptel 31xx IP phone is 000cc4300000.

Fill in the phone detail message on the pop-up window. Input Name, Call waiting, Line, Extension, Label, Line active and so on for the phone. You also can configure available codecs at tab “Codecs” and DSS keys at tab “DSS Key.”
Step 4. Save the settings and reboot the IP phone. After you save the changes, the system will prompt you to save the changes and reboot or save changes without rebooting. Click "OK" to reboot the IP phone and provisioning the phone.

Then IP phone will reboot to apply the configurations. When done, you can find the account 500 is registered in MyPBX's line status page and Tiptel 31xx IP phone's status page.

<END>