



Fanvil IP Phone Configuration Guides

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1 Introduction

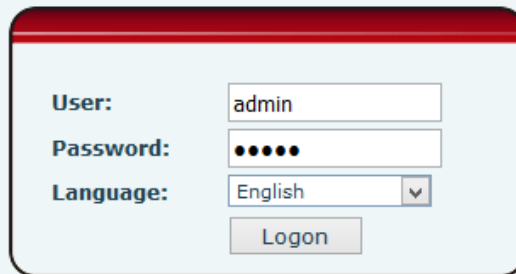
This guide shows you how to manually configure Fanvil IP phones with MyPBX and how to provision the Fanvil IP phones with MyPBX. It has been tested with Fanvil C62 the latest firmware version 2.2.0.0. Be aware that different firmware versions may have different web interface formats and functionality.

Applicable Models:

- C01
- C56
- C58
- C60
- C62
- C66
- D800
- D900
- F52
- F58
- F66
- X3
- X3P
- X5
- X5G
- I20T
- C400
- C600

2 Register with MyPBX Manually

1. Start up the phone and identify its IP Address by pressing **Menu->Status** on the phone, and you will find IP address of the phone. In this guide we will assume the IP Address of the phone is 192.168.3.219, and IP Address of MyPBX is 192.168.3.217.
2. Start the browser on PC. In the address bar, enter the IP address of the phone: http://192.168.3.219.
3. Enter the phone's login username (default "admin") and password (default "admin").



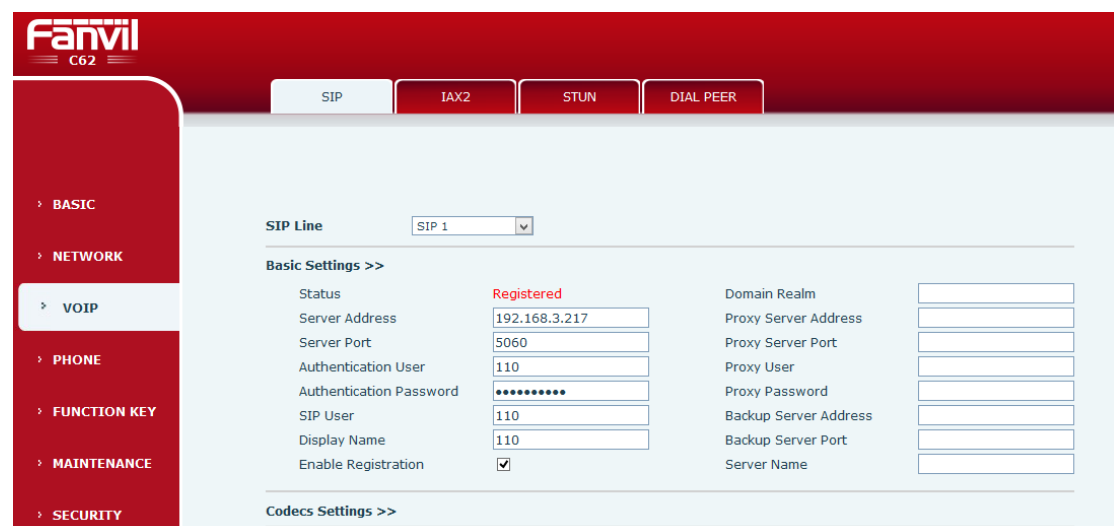
User:

Password:

Language: ▼

2.1 Register SIP Extension

Click "VoIP" tab on the left-hand navigation, then click "SIP" tab, choose "SIP 1", configure the account as below:



Fanvil C62

SIP IAX2 STUN DIAL PEER

> BASIC
> NETWORK
> **VOIP**
> PHONE
> FUNCTION KEY
> MAINTENANCE
> SECURITY

SIP Line:

Basic Settings >>

Status	Registered	Domain Realm	<input type="text"/>
Server Address	<input type="text" value="192.168.3.217"/>	Proxy Server Address	<input type="text"/>
Server Port	<input type="text" value="5060"/>	Proxy Server Port	<input type="text"/>
Authentication User	<input type="text" value="110"/>	Proxy User	<input type="text"/>
Authentication Password	<input type="password" value="••••••••"/>	Proxy Password	<input type="password"/>
SIP User	<input type="text" value="110"/>	Backup Server Address	<input type="text"/>
Display Name	<input type="text" value="110"/>	Backup Server Port	<input type="text"/>
Enable Registration	<input checked="" type="checkbox"/>	Server Name	<input type="text"/>

Codecs Settings >>

- 1) **Status:** showing the SIP account status.
- 2) **Server Address:** enter the IP address of MyPBX, in this guide is 192.168.3.217.
- 3) **Server Port:** enter the default SIP port of MyPBX, 5060.
- 4) **Authentication User:** the extension number which you want to register.
- 5) **Authentication Password:** enter the password of the extension.
- 6) **SIP User:** the extension number which you want to register.
- 7) **Display Name:** the name showing on the phone LCD.
- 8) **Enable Registration:** checked.

Click “Apply” to save the configuration. You will see the status “Registered” if the account is successfully registered to MyPBX.

2.2 Register IAX2 Extension

To register an IAX2 extension with MyPBX. Click "IAX2" tab, and configure as below.

IAX2

Status: **Registered**

Server Address	192.168.3.217
Server Port	4569
Account	181
Password	••••••••
Phone Number	181
Local Port	4569
Voice Mail Number	*2
Voice Mail Text	mail
Echo Test Number	1
Echo Test Text	echo
Refresh Time	60 second(s)
Enable Registration	<input checked="" type="checkbox"/>
Enable G.729AB	<input type="checkbox"/>

Apply

- 1) **Status:** showing the IAX2 account status.
- 2) **Server Address:** enter the IP address of your MyPBX, in this guide is 192.168.3.217.
- 3) **Server Port:** enter the default IAX2 port of your MyPBX, 4569.
- 4) **Account:** the extension number which you want to register.
- 5) **Password:** enter the password of the extension.
- 6) **Phone Number:** enter the extension's caller ID.
- 7) **Voice Mail Number:** same as the feature code of entering VM box which is set in MyPBX. In this guide, enter *2.
- 8) **Enable Registration:** checked.

Click the "Apply" button at the bottom of the page, and check the status. The status "Registered" indicates the extension is registered to MyPBX.

2.3 Use IAX2 on Fanvil

1. Click on the "Function Key" tab on the left side to enter the page.
2. You can configure a "Line Key" or "Function Key" to activate IAX2 line. The default function of the 4 "Line key" is to activate the 4 SIP lines. Now we configure "DSS Key4" to activate IAX2 line. Configuring it as below:

Line Key Settings

Line Key	Type	Value	Line	Subtype	Pickup Number
Line Key 1	Line		SIP1	None	
Line Key 2	Line		SIP2	None	
Line Key 3	Line		SIP3	None	
Line Key 4	Line		SIP4	None	

Function Key Settings

Key	Type	Value	Line	Subtype	Pickup Number
DSS Key 1	Key Event		SIP1	Release	
DSS Key 2	Key Event		SIP1	MWI	
DSS Key 3	Key Event		SIP1	Headset	
DSS Key 4	Line		IAX2	None	
DSS Key 5	None		SIP1	None	
DSS Key 6	None		SIP1	None	
DSS Key 7	None		SIP1	None	
DSS Key 8	None		SIP1	None	

- Click the "Apply" button at the bottom of the page. And the function of "DSS Key4" on the phone is to activate IAX2 line.

3 Provisioning Fanvil Phones

The easiest way to set up a Fanvil 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. To check the firmware version, power up the phone and click “**Menu→Status**” on the phone. Go to Fanvil Support Website to download the latest firmware for your phone.

2) Plug phone into the network

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

3) Configure Fanvil Phones and Assign Extensions

MyPBX supports to provision Fanvil phones via PnP mode and DHCP mode. If you choose DHCP mode, you need to set MyPBX as the only DHCP server in the local network.

3.1 Phone Provisioning via PnP mode

Step1. Enable “PnP” feature on your Fanvil phone.

Click “**MAINTENANCE->AUTO PROVISION**” to enable PnP.

Fanvil C62

AUTO PROVISION | SYSLOG | CONFIG | UPDATE | ACCESS | RE

Config Encryption Key

Common Config Encryption Key

Save Auto Provision Information ☐

DHCP Option Settings >>

Plug and Play (PnP) Settings >>

Enable PnP ☒

PnP Server

PnP Port

PnP Transport

PnP Interval hour(s)

Phone Flash Settings >>

TR069 Settings >>

Apply

Step2. Check MAC address of your Fanvil IP Phone on “**BASIC->STATUS**” page.

Fanvil C58/C58P

STATUS | WIZARD | CALL LOG | LANGUAGE

BASIC | NETWORK | VOIP | PHONE | FUNCTION KEY | MAINTENANCE | SECURITY | LOGOUT

Network

WAN		LAN	
Connection Mode	Static IP	IP Address	192.168.3.154
MAC Address	00:a8:59:c7:61:d0	DHCP Service	Enabled
IP Address	192.168.5.235	Bridge Mode	Enabled
IP Gateway	192.168.5.1		

Accounts

SIP Line 1	303@192.168.5.250:5060	Registered
SIP Line 2	302@192.168.100.30:5060	Timeout
IAX2	300@192.168.5.250:4569	Registered

Step3. Search MAC address you would like configure in “**Phone Provisioning-> Not Configured Phone**” page.

MyPBX Phone Provisioning

General Settings for Yealink
General Settings for Aastra
Phone Book

Configured Phone

Mac Address List

Not Configured Phone

ID	MAC Address	Manufacturer	IP Address	Phone Type
1	0015651118bc	Yealink	192.168.3.33	--
2	0015652c214c	Yealink	192.168.3.34	--

Step4. Click the MAC address to configure the phone.

Not Configured Phone

ID	MAC Address	Manufacturer	IP Address	Phone Type
1	0015651118bc	Yealink	192.168.3.33	--
2	0015652c214c	Yealink	192.168.3.34	--
3	0015651118b9	Yealink	192.168.3.160	--
4	0015658a642a	Yealink	192.168.3.170	--
5	0c383e0dbd43	Fanvil	192.168.3.189	--
6	00a859d1e4b4	Fanvil	192.168.3.208	--
7	00a859c7740a	Fanvil	192.168.3.219	--
8	0015658c47f3	Yealink	192.168.3.229	--
9	00156511189c	Yealink	192.168.3.241	--

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

Add Phone

General Codecs Line Keys Settings Function Keys Settings

Enabled: Yes

MAC Address: 00a859c7740a Name:

Manufacturer: Fanvil Phone Type: C62

Call Waiting: Enabled Key As Send: #

Auto Redial: Disabled Auto Answer: Disabled

Phone Book: Enabled

Line

☒ Sipline1 Extension: 100

☐ Sipline2 Extension:

☐ Sipline3 Extension:

☐ Sipline4 Extension:

☐ IaxLine1 Extension:

Step6. Click "Save", then the system will prompt you to reboot the phone. Click "OK" to reboot and provisioning the phone. Then IP phone will reboot twice to apply the configurations take effect.

3.2 Phone Provisioning via DHCP Mode

Step1. Disable DHCP Server on your local network. E.g. Disable DHCP Server on Linksys Router.

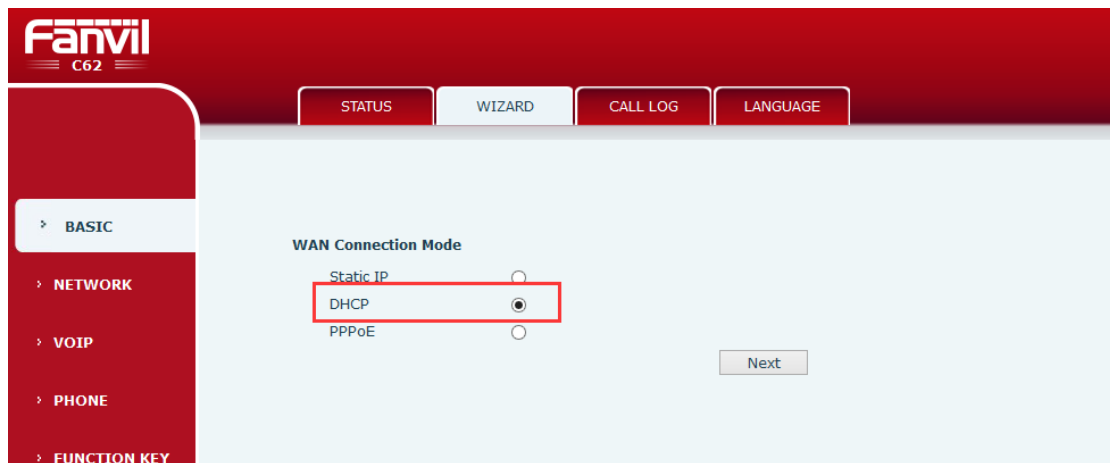
The screenshot shows the Linksys Basic Setup page. The 'Local DHCP Server' is set to 'Disable'. The 'Start IP Address' is 192.168.1.100, and the 'Number of Address' is 50. The 'DHCP Address Range' is 192.168.1.100 to 192.168.1.149. The 'Client Lease Time' is 0 minutes. The 'Static DNS' fields are empty. The 'WINS' field is empty. The 'Save Settings' and 'Cancel Changes' buttons are at the bottom.

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

Login MyPBX web interface, go to "**System->Network Preferences->DHCP Server**", enable DHCP server and configure DHCP according to your local network.

The screenshot shows the MyPBX DHCP Server configuration page. The 'DHCP is running' status is shown at the top. The 'Enable' checkbox is checked. The 'Router' is 192.168.3.1, 'Subnet Mask' is 255.255.255.0, 'Primary DNS' is 192.168.3.1, 'Secondary DNS' is empty, 'Allow IP Address From' is 192.168.3.2, 'To' is 192.168.3.254, 'TFTP Server' is tftp://192.168.3.217, and 'NTP Server' is empty.

Step3. Set your Fanvil phone as one DHCP client. Go to “**BASIC->WIZARD**” to enable DHCP.



The screenshot shows the Fanvil C62 configuration page. On the left is a sidebar with navigation links: BASIC, NETWORK, VOIP, PHONE, and FUNCTION KEY. The main area is titled 'WAN Connection Mode' and contains three radio button options: Static IP, DHCP (which is selected and highlighted with a red box), and PPPoE. A 'Next' button is located at the bottom right of the main area.

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

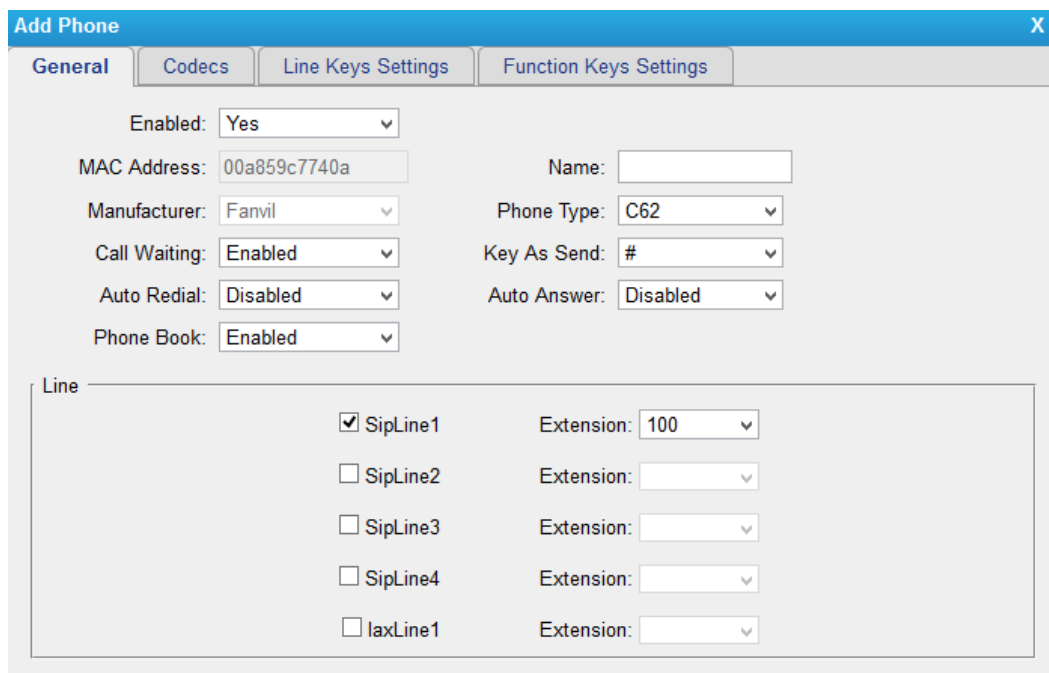
Not Configured Phone

Configure the selected Phones Refresh

Total: 20 Show: 1-15 View: 15

ID	MAC Address	Manufacturer	IP Address	Phone Type
1	0015651118bc	Yealink	192.168.3.33	--
2	0015652c214c	Yealink	192.168.3.34	--
3	0015651118b9	Yealink	192.168.3.160	--
4	0015658a642a	Yealink	192.168.3.170	--
5	0c383e0dbd43	Fanvil	192.168.3.189	--
6	00a859d1e4b4	Fanvil	192.168.3.208	--
7	00a859c7740a	Fanvil	192.168.3.219	--
8	0015658c47f3	Yealink	192.168.3.229	--
9	00156511189c	Yealink	192.168.3.241	--

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



The screenshot shows the 'Add Phone' configuration window with the 'General' tab selected. The settings are as follows:

- Enabled: Yes
- MAC Address: 00a859c7740a
- Name: (empty field)
- Manufacturer: Fanvil
- Phone Type: C62
- Call Waiting: Enabled
- Key As Send: #
- Auto Redial: Disabled
- Auto Answer: Disabled
- Phone Book: Enabled

Under the 'Line' section, the following options are available:

- ☒ SipLine1 Extension: 100
- ☐ SipLine2 Extension: (empty field)
- ☐ SipLine3 Extension: (empty field)
- ☐ SipLine4 Extension: (empty field)
- ☐ IaxLine1 Extension: (empty field)

Step6. Click “Save”, the system will prompt you to reboot the phone. Click “OK” to reboot and provisioning the phone. Then IP phone will reboot twice to apply the configurations take effect.

<End>