Fanvil IP Phone Configuration Guides

Yeastar Technology Co., Ltd.



Table of Contents

REGISTER WITH MYPBX MANUALLY	3
REGISTER SIP EXTENSION	4 6
CONFIGURING TO USE IAX2 ON FANVIL	7
PROVISIONING FOR MYPBX	8
PHONE PROVISIONING VIA PNP MODE	9
PHONE PROVISIONING VIA DHCP MODE	



Fanvil IP phone Configuration Guides

This guide is applicable to Fanvil C62/C60/C58/C56.

Please note:

This guide has been tested for Fanvil C62 with firmware version 2.2.0.0. Be aware that different firmware versions may have different web interface formats and functionality.

This guide will configure the IP phone with default configuration. If you are not sure about the configuration of your IP phone, please reset your phone.

Register with MyPBX manually

- 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 192.168.5.235, and IP Address of MyPBX is 192.168.5.138
- 2. Start the browser on PC. In the address bar, enter the IP address of the phone: http://192.168.5.235
- 3. Enter the phone's login username (default "admin") and password (default "admin").

	SIP	IAX2 STUN	DIAL PEER	
	SIP Line SI	(P 1 💌		^
> BASIC	Basic Settings >>			
> NETWORK	Status Server Address	Unapplied	Domain Realm Proxy Server Address	
> VOIP	Server Port Authentication User Authentication Pass	5060	Proxy Server Port	
> PHONE	SIP User		Backup Server Address	
› FUNCTION KEY	Display Name Enable Registration		Backup Server Port	
> MAINTENANCE	Codecs Settings >>			
> SECURITY	Advanced SIP Settings >	·>	Apply	
> LOGOUT	SIP Global Settings >>			

Figure 1-1 Page after login

4. Click on the "VOIP" tab on the left side.



Register SIP extension

5. We now need to set SIP phone to register with MyPBX. Click "SIP" tab, ensure that the "SIP Line" field is set to "SIP 1", and in the "Basic Settings" section, configure as below:

Basic Settings >>			
Status	Registered	Domain Realm	
Server Address	192.168.5.138	Proxy Server Address	
Server Port	5060	Proxy Server Port	
Authentication User	104	Proxy User	
Authentication Password	•••••	Proxy Password	
SIP User	104	Backup Server Address	
Display Name	104-standard	Backup Server Port	
Enable Registration		Server Name	

Figure 1-2 SIP Line Basic Settings

- 1) Status: Show if the phone has been registered with MyPBX or not
- 2) Server Address: Enter the IP address of MyPBX, in this guide is 192.168.5.138
- 3) Server Port: Enter SIP port of your MyPBX, in this guide is 5060
- 4) Authentication User: the extension number which you want to register, in this guide is 104
- 5) Authentication Password: enter the password of the extension you want to register
- 6) SIP User: enter the extension's caller ID, in this guide is 104
- 7) Display Name: the name displayed on the phone, you can customize it or make it the same as extension's number, in this guide is 104-standard
- 8) Enable Registration: Check it to register the extension with MyPBX



 Next, we need to configure the audio codecs. Scroll down to the end of the "Basic" section, and expand the "Codecs" section. Ensure that the "Enable codecs" list box contains first "PCMU", then "PCMA", then "G.729AB", and finally "G.722".

asic Settings >>		
odecs Settings >>		
Disabled Codecs	Enabled Codecs	
G.723.1 G.726-32	G.711U G.711A G.729AB G.722	

Figure 1-3 Codecs Settings

7. Click the "Apply" 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.



Register IAX2 extension

8. Register IAX2 extension with MyPBX. Click "IAX2" tab, and configure as below:

Status	Registered
Server Address	192.168.5.138
Server Port	4569
Account	106
Password	•••••
Phone Number	106
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	
Enable G.729AB	

Figure 1-4 IAX2 Line Settings

- 1) Status: show if the phone has been registered with your MyPBX
- 2) Server Address: enter the IP address of your MyPBX, in this guide is 192.168.5.138.
- 3) Server Port: Enter IAX2 port of your MyPBX, in this guide is 4569
- 4) Account: the extension number which you want to register, in this guide is 106
- 5) Password: enter the password of the extension you want to register
- 6) Phone Number: enter the extension's caller ID, in this guide is 106
- 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: check it
- 9) Enable G.729AB: check it or not according to your necessary.
- 10)Leave else as it is.
- 9. Click the "Apply" 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.



Configuring to 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	Туре	Value	Line	Subtype	э	Pickup Numbe
Line Key	Line 💌		SIP1 💌	None	~	
Line Key	Line 💌		SIP2 💌	None	*	
Line Key	Line 💌		SIP3 💌	None	~	
Line Key	Line 💌		SIP4 💌	None	~	
		-				
ion Key Se	ettings					
ion Key Se Key	ttings Type	Value	Line	Subtype	9	Pickup Numbe
ion Key Se Key DSS Key 1	ttings Type Key Event	Value	Line	Subtype	•	Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2	ttings Type Key Event 💌 Key Event 💌	Value	Line	Subtype Release MWI		Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2 DSS Key 3	Type Type Key Event Key Event	Value	Line SIP1 V SIP1 V SIP1 V	Subtype Release MWI Headset		Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2 DSS Key 3 DSS Key 4	ttings Type Key Event 💌 Key Event 💌 Key Event 🔍	Value	Line SIP1 SIP1 SIP1 IAX2	Subtype Release MWI Headset None		Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2 DSS Key 3 DSS Key 4 DSS Key 5	Type Type Key Event Key Event	Value	Line SIP1 SIP1 SIP1 SIP1 Line Line Line Line Line Line Line Line	Subtype Release MWI Headset None None		Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2 DSS Key 3 DSS Key 4 DSS Key 5 DSS Key 6	ttings Type Key Event Key Even	Value	Line SIP1 V SIP1 V I SIP1 V I AX2 V SIP1 V SIP1 V	Subtype Release MWI Headset None None		Pickup Numbe
ion Key Se Key DSS Key 1 DSS Key 2 DSS Key 3 DSS Key 4 DSS Key 5 DSS Key 6 DSS Key 7	ttings Type Key Event Key Even	Value	Line SIP1 SIP1 SIP1 SIP1 SIP1 SIP1 SIP1 SIP1	Subtype Release MWI Headset None None None		Pickup Numbe

Figure 2-1 Configuring DSS Key4 to activate IAX2 Line

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



Provisioning for MyPBX

This guide has been tested for Fanvil C62/C60/C58/C56 with firmware version 2.2.0.0.

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. Approve phone and Assign an Extension

To do provisioning with Fanvil IP phones, you need to set MyPBX working as the only DHCP server any more.



Phone provisioning via PnP mode

Step1. Check if PnP is enabled in IP phone side

Here is an example of Yealink T62

Click "MAINTENANCE" \rightarrow "AUTO PROVISION" \rightarrow "Plug and Play (PnP) Settings" to check the details

	AUTO PROVISION SYSLOG	CONFIG	UPDATE	ACCESS	REBOOT
BASIC NETWORK VOIP PHONE FUNCTION KEY MAINTENANCE SECURITY LOGOUT	Auto Provision Settings Current Config Version Common Config Version CPE Serial Number User Password Config Encryption Key Common Config Encryption Key Save Auto Provision Information	2.8062 2.0100 00100400XH020 user ••••	01000000010e597	7052	
	DUCE Option Softings >>				
	Plug and Play (PnP) Settings >>				
	Enable PnP PnP Server PnP Port PnP Transport PnP Interval	224.0.1.75 5060 UDP 💌 1	hour(s)		
	Phone Flash Settings >>				
	TR069 Settings >>		Apply		

Figure 3-1

Step2. Check MAC address of your Fanvil IP Phone on "BASIC" \rightarrow "STATUS" page.

	STATUS	WIZARD	CALL LOG	LANGUAGE	
BASIC NETWORK VOIP PHONE FUNCTION KEY MAINTENANCE SECURITY	Network				
LOGOUT	WAN			LAN	
	Connection Mode	Static IP		IP Address	192.168.10.1
	MAC Address	00:a8:59:c	7:74:0a	DHCP Service	Enabled
	IP Address	192.168.5.	241	Bridge Mode	Enabled
	IP Gateway	192.168.5.	1		
	Accounts				

Figure 3-2

Step3. Reboot Snom IP phone.



Step4. Search MAC address you would like configure in "phone provisioning" \rightarrow " Not Configured Phone" page

MyPBX	Embedded Hybrid IP-PBX for Sn	nall Businesses				Logou
Status Monitor 🙁 Line Status	Phone Provisioning \$	Pho	ne Provisioning			
Basic Extensions Trunks Outbound Routes Phone Provisioning	General Settings for Yealink General Settings for Aastra Phone Book					
Inbound Call Control 🙁	Configured Phone Add Phone Add Bulk Phones	S Configure the Selected Phones	X Delete the Selected P	hones		
Queues Custom Prompts Ring Groups Inbound Routes Blacklist	ID MAC Address Not Configured Phone Configure the Selected Phones R	Manufacturer	Phone Type	Name	Extension	Enabled
Internal Settings 🛞		MAC Address 101565113844	Manufacturer Yealink		Phone	Туре
Options Business Hours		101565114094	Yealink			

Figure 3-3

In this case, the MAC address of Fanvil IP phone is 00a859c7740a. And click it to configure.

	76	000b822ca632	Grandstream	-
	77	00041329ebe1	Snom	Snom360
	78	00156523db8e	Yealink	
	79	<u>001565132161</u>	Yealink	
	80	001565120849	Yealink	
	81	00a859c761d0	Fanvil	
	82	00156513213b	Yealink	
	83	00156513216d	Yealink	
	84	00a859c7740a	Fanvil	C62
Upload a	afile			
#		Name		Options

Figure 3-4

Fill in the phone detail message on the pop-up windows.

Input Name, Call waiting, Line, Extension and so on for the phone.



Add Phone					Х
General					
Enabled:	Yes	·			- I
MAC Address:	00a859c7740a		Name:	Jane	
Manufacturer:	Fanvil	Pho	ine Type:	C62 💌	-
Call Waiting:	Enabled	 Key / 	As Send:	#	
Auto Redial:	Disabled	 Auto 	Answer:	Disabled 🗸	
Phone Book:	Enabled	¥			
SipLine1	E	Extension:		501 💌	
SipLine2	E	Extension:		~	
SipLine3	E	Extension:		~	
SipLine4	E	Extension:		~	
IaxLine1	E	Extension:		~	
C Audio Codec					
лп	isable Codecs		F	nable Codecs	
Disable Codecs Enable Codecs >>> G.711A G.711U G.721 G.723.1 G.722 G.726-32 G.729AB					
Line Keys Settings ≫					
Function Keys Setting	s∀				
Save Save					

Figure 3-5

Step5. Save the settings and reboot the IP phone. After you save the changes, system will prompt you to save the changes and reboot to save changes without rebooting. Click OK to reboot the IP phone and provisioning the phone.



Figure 3-6

Then IP phone will reboot twice to apply the configurations take effect, when done, you can find the account 501 is registered in MyPBX's line status page and Fanvil IP phone's status page.



Phone provisioning via DHCP mode

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

LINKSYS [®] A Division of Cisco Systems, Inc.			Firmware Version: 1.04.08
0 a trup		Etherfast® Ca	ble/DSL Router BEFSR41
Setup	Setup S	ecurity Applications Administration	Status
		DDNS IIIAC Audress cione Auva	
Internet Setup			Basic Setup
Internet Connection Type	Obtain an IP aut	tomatically 💙	The Basic Setup screen is
Optional Settings (required by some ISPs)	Host Name: Domain Name:		where basic configuration is performed. Some ISPs (Internet Service Providers) will require that you enter the DNS information These settings can
	MTU:	OEnable Size: 1500	be obtained from your ISP. After
Network Setup Router IP	Local IP Address:	192.168.1.1	settings, you should set a router password from the Administration->Management screen.
	Subnet Mask:	255.255.255.0	Completing the Internet Setup
Network Address Server Settings (DHCP)	Local DHCP Server:	○ Enable ⊙ Disable	section is all that is required to set up for your specific ISP. Please look at the table below to
	Start IP Address:	192.168.1. 100	configure the Router for your Internet connection
	Number of Address:	50	
	DHCP Address Range:	192.168.1.100 to 192.168.1.149	More
	Client Lease Time:	0 minutes (0 means one day)	
	Static DNS 1:	0.0.0.0	
	Static DNS 2:	0.0.0.0	
	Static DNS 3:	0.0.0.0	
	WINS:	0.0.0.0	
			FIECO SVETENC
			ullu ullu
		Save Settings Cancel Changes	

Figure 3-7

Step2. Enable DHCP Server on MyPBX.

Login MyPBX web interface, System Settings \rightarrow DHCP Server \rightarrow Enable DHCP Server.



Figure 3-8



Step3. Configure phones on MyPBX Auto-Provision page.

1. Login MyPBX web interface, Basic \rightarrow Phone Provisioning \rightarrow Add Phone.

My PBX	Embedded Hybrid IP-PBX for Small Businesses						
a	Phone Provisioning \$						
Basic A	Phone Provisioning						
Extensions	<u>General Settings for Yealink</u>						
Trunks Outbound Routes	General Settings for Aastra						
inone if ovisioning	Phone Book						
Inbound Call Control	Configured Phone						
IVR Queues	🕈 Add Phone) 🕈 Add Bulk Phones 🕅 Configure the Selected Phones 🗶 Delete the Selected Phones						
Custom Prompts	🔄 ID MAC Address Manufacturer Phone Type Name Extension Enabled						
Ring Groups Inbound Routes	📄 1 00041329EBE1 Snom snom360 Sandy 501-500 Yes 🕅 Edit 🗶 Delete						
Blacklist	Not Configured Phone						
Internal Settings 📎	Sconfigure the Selected Phones Refresh						
Network Settings 🛛 🛎							
System Settings 🛛 📚	Mac Address List						
Reports 🛛 📚							
	Upload a file						
Veastar	# Name Options						

Figure 3-9

2. Fill in the phone detail message on the pop-up windows.

Input IP Phone's MAC address, Name, Call waiting, Line, Extension and so on for the phone.

Add Phone			X
General			
Enabled:	Yes 💌		
MAC Address:	00A859C7740A	Name:	Sandy
Manufacturer:	Fanvil 💌	Phone Type:	C62 💌
Call Waiting:	Enabled 💌	Key As Send:	#
Auto Redial:	Disabled 💌	Auto Answer:	Disabled 💌
Phone Book:	Enabled 💌		
Line			
	ipLine1	Extensio	on: 504 💌
2 🗆	SipLine2		m: 📃 👻
🗖 SipLine3		Extensio	on: 📃 👻
🗖 SipLine4		Extensio	m: 📃 👻
IaxLine1		Extensio	m: 📃 👻

Figure 3-10



Step4. Save the settings and reboot the IP phone. After you save the changes, system will prompt you to save the changes and reboot to save changes without rebooting. Click OK to reboot the IP phone and provisioning the phone.

Are you sure to reboot the phone now? Click 'OK' to save the changes and reboot; click 'Cancel' to save the changes without rebooting.

Figure 3-11

Note: The IP phone will reboot twice to apply the configuration take effect. When done, you can find the account 504 is registered in MyPBX and IP Phone.

Remark: The factory default setting of DHCP for IP Phone is "enable", so you can skip this step to step 5.

If the DHCP is disabled, please follow below step to enable it. (e.g.: Fanvil's IP Phone).

- 1. Login IP phone's web page.
- 2. Enable DHCP.

		STATUS	WIZARD	CALL LOG	LANGUAGE	
> BASIC	w	AN Connection Mo	ode			
> NETWORK		Static IP	0			
› VOIP		PPPoE	0		Next	
> PHONE						
> FUNCTION KEY						

Figure 3-12

Step5. Done

<Finish>