



## **Fanvil IP Phone Configuration Guide**

Version 1.0

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## Introduction

This guide introduces how to configure Fanvil IP phones with Yeastar S-Series VoIP PBX. You have multiple ways to configure the Fanvil phone:

- [Registering to Yeastar S-Series Manually](#)
- [Provisioning Fanvil Phones via PnP \(Recommended\)](#)
- [Provisioning Fanvil Phones via DHCP](#)

### Supported Phone Models

- Fanvil C Series: C01, C58, C58P, C400, C600
- Fanvil X3 Series: X3, X3P, X3SP
- Fanvil X5 Series: X5, X5G

**Note:** different IP phone firmware versions may have different web GUI with different settings.

## Registering to Yeastar S-Series Manually

If you choose registering Fanvil to Yeastar S-Series manually, you have to log in each phone, and configure one by one.

1. Log in the Fanvil IP phone web user interface.
  - Username: admin
  - Password: admin

The screenshot shows a login form with the following fields and values:

- User: admin
- Password: masked with dots
- Language: English
- Logon button

2. Click “Line” Tab.

The screenshot shows the configuration page for the 'Line' tab. The 'Basic Settings' section is expanded, showing the following configuration:

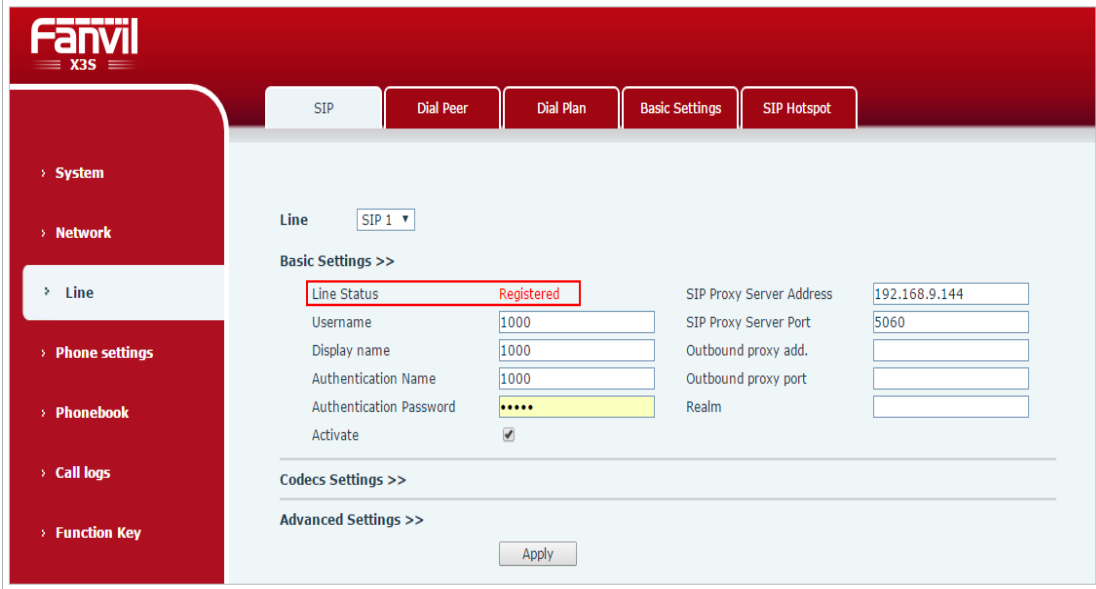
Line Status	Registered	SIP Proxy Server Address	192.168.9.144
Username	1000	SIP Proxy Server Port	5060
Display name	1000	Outbound proxy add.	
Authentication Name	1000	Outbound proxy port	
Authentication Password	masked	Realm	
Activate	<input checked="" type="checkbox"/>		

Below the 'Basic Settings' section, there are sections for 'Codecs Settings >>' and 'Advanced Settings >>'. An 'Apply' button is located at the bottom of the configuration area.

- **Line:** choose one line.
- **User Name:** fill in the extension number.
- **Display Name:** set the name you want to appear on other phone’s display when calling other phones.
- **Authentication Name:** fill in the extension’s “Registration Name”.
- **Authentication Password:** fill in the extension’s “Registration Password”.
- **Active:** Enabled
- **SIP Proxy Server Address:** fill in Yeastar S-Series PBX’s IP address.
- **SIP Proxy Server Port :** fill in Yeastar S-Series PBX’s register port. The

default port is 5060.

3. Click “Apply”.
4. Check the extensions status. If the extension is registered to Yeastar S-Series successfully, the “Line Status” will show “Registered”.



The screenshot displays the Fanvil X3S web interface for configuring a SIP line. The interface is divided into a left sidebar and a main content area. The sidebar contains navigation options: System, Network, Line (selected), Phone settings, Phonebook, Call logs, and Function Key. The main content area has tabs for SIP, Dial Peer, Dial Plan, Basic Settings, and SIP Hotspot. The 'SIP' tab is active, showing configuration for 'Line SIP 1'. Under 'Basic Settings >>', the 'Line Status' is highlighted in red and shows 'Registered'. Other fields include Username (1000), Display name (1000), Authentication Name (1000), Authentication Password (masked with dots), and Activate (checked). On the right, SIP Proxy Server Address is 192.168.9.144 and SIP Proxy Server Port is 5060. There are also empty fields for Outbound proxy add., Outbound proxy port, and Realm. Below the basic settings are sections for 'Codecs Settings >>' and 'Advanced Settings >>'. An 'Apply' button is located at the bottom of the configuration area.

Basic Settings >>		SIP Proxy Server Address	
Line Status	Registered	SIP Proxy Server Address	192.168.9.144
Username	1000	SIP Proxy Server Port	5060
Display name	1000	Outbound proxy add.	
Authentication Name	1000	Outbound proxy port	
Authentication Password	*****	Realm	
Activate	<input checked="" type="checkbox"/>		

Codecs Settings >>

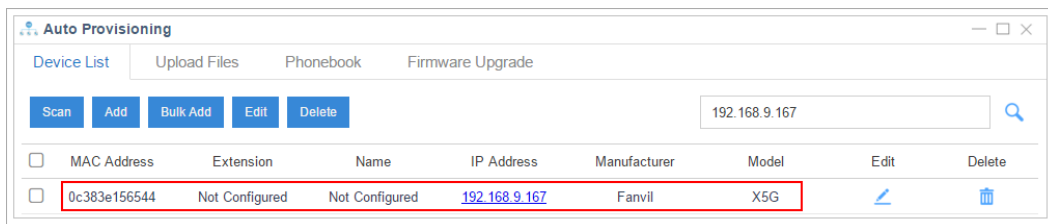
Advanced Settings >>

Apply

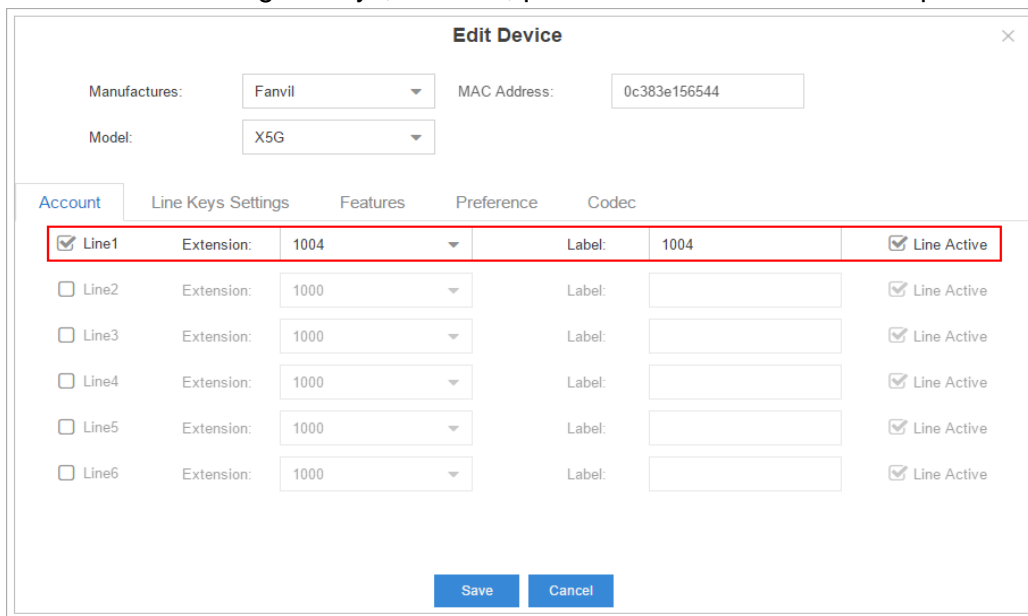
## Provisioning Fanvil Phones via PnP

Before provisioning the phones, you must reset the phones to factory defaults in case that the phones have residual settings of a previous configurations.

1. Connect the phone to the same network with Yeastar S-Series PBX. The phone will send a PnP request to the PBX when booting up.
2. Log in Yeastar S-Series Web interface, go to “Auto Provisioning” App. Click “Scan”, all the phones in the local network will show up on the page.
3. Search the phone by MAC address or IP address, and click “edit”.



4. Choose the phone Model, active a line and assign an extension for the phone. You can also configure keys, features, preferences and codec for the phone.



5. Click “Save”.
6. The system prompts you to reboot the phone, click “OK”.
7. Reboot the phone manually, the phone will restart, then reboot again to apply the configurations automatically.

## Provisioning Fanvil Phones via DHCP

Before provisioning the phones, you must reset the phones to factory defaults in case that the phones have residual settings of a previous configurations.

1. Connect the phone to the same network with Yeastar S-Series PBX.
2. Disable local DHCP server in your local network, e.g. disable DHCP server on Linksys router.

The screenshot shows the Linksys Basic Setup page for an Etherfast Cable/DSL Router (BEFSR41). The 'Local DHCP Server' option is currently set to 'Disable', which is highlighted with a red box. The page also shows other network settings like Local IP Address (192.168.1.1) and Subnet Mask (255.255.255.0).

3. Enable DHCP server on Yeastar S-Series and configure the DHCP server settings according to your local network. (Settings > System > Security > Service)

Enable DHCP Server DHCP is running.

Gateway ⓘ: 192.168.9.1

Subnet Mask ⓘ: 255.255.255.0

Preferred DNS Server ⓘ: 192.168.1.1

Alternate DNS Server ⓘ:

DHCP Address Range ⓘ: 192.168.9.1 - 192.168.9.254

TFTP Server ⓘ: tftp://192.168.9.144

NTP Server ⓘ: 192.168.9.144

Enable AMI ⓘ

4. Go to “Auto Provisioning” App. Click “Scan”, all the phones in the local network will show up on the page.

5. Search the phone by MAC address or IP address, and click “edit”.

Auto Provisioning

Device List | Upload Files | Phonebook | Firmware Upgrade

Scan | Add | Bulk Add | Edit | Delete

192.168.9.112

MAC Address	Extension	Name	IP Address	Manufacturer	Model	Edit	Delete
<input type="checkbox"/> 0c383e156544	Not Configured	Not Configured	192.168.9.112	Fanvil	X5G		

6. Choose the phone Model, active a line and assign an extension for the phone. You can also configure keys, features, preferences and codec for the phone.

**Edit Device** ×

Manufactures: Fanvil    MAC Address: 0c383e156544

Model: X5G

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**Account**    Line Keys Settings    Features    Preference    Codec

<input checked="" type="checkbox"/> Line1	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1002</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;">1002</span>	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line2	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1000</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;"></span>	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line3	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1000</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;"></span>	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line4	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1000</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;"></span>	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line5	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1000</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;"></span>	<input checked="" type="checkbox"/> Line Active
<input type="checkbox"/> Line6	Extension:	<span style="border: 1px solid #ccc; padding: 2px;">1000</span>	Label:	<span style="border: 1px solid #ccc; padding: 2px;"></span>	<input checked="" type="checkbox"/> Line Active

Save Cancel

7. Click "Save".
8. The system prompts you to reboot the phone, click "OK".
9. Reboot the phone manually, the phone will restart, then reboot again to apply the configurations automatically.