

How to register your VIP-154T to IPX-2000/1800 IP PBX system (Auto-config)

In the following sample, we'll introduce how to integrate the IP Phone with our IP PBX system IPX-2000 via Auto-config feature.



- VIP-154T A IP Address: 192.168.0.1
Line Number: 1001

- VIP-154T B IP Address: 192.168.0.2
Line Number: 1002

Machine configuration on the IPX-2000

STEP 1:

Log in IPX-2000 and browse to the DHCP menu and create new options list for the auto configuration.

:: DHCP SERVICE

DHCP POOL
lan

Enable Disable

On-board LAN APPLY

Show Leased Clients

SHOW CLIENTS

Range Single-host

Pool Name:

IP: ~

Options: DEL

Code.Value: , ADD

ADD UPDATE DEL CLEAR

Code: please insert 151 as the DHCP server option.

Value: http://LAN IP of IPX-2000/tftpboot

If you'd like to enable auto-config for IP extension features in IPX-2000, please be sure to setup the DHCP option code and the value information.

In most case, insert the optional code 151 and the value=http://192.168.0.50/tftpboot/

Note: the 192.168.0.50 is the IP address of IPX-2000

STEP 2:

Please browse to the **Device → IP Phone** menu and create new device. And press the **EDIT** button for set up the Auto Config configuration.

:: DEVICE PHONE MANAGEMENT					
Device ID		Device Administration URL			
<input type="text"/>		<input type="text"/>		<input type="button" value="ADD"/>	
<input type="button" value="DEL"/>					
Device ID	Associated Extension	Device Administration URL	Auto Client Conf		
<input type="checkbox"/> auto_dev_vip154		<input type="text"/> <input type="button" value="LINK"/>	Disabled	<input type="button" value="EDIT"/>	<input type="button" value="APPLY"/>
<input type="checkbox"/> auto_dev_vip157		<input type="text"/> <input type="button" value="LINK"/>	Disabled	<input type="button" value="EDIT"/>	<input type="button" value="APPLY"/>

STEP 3:

Please fill out the Vendor Prefix code and MAC Address of IP Phone.

Enable Automatic Client Configuration	
Device	auto_dev_vip154
Vendor Prefix	pla154 (a-zA-Z0-9_)
MAC Address	00 : 30 : 4f : aa : bb : dd
Supplementary Configuration	▼
Codec Preference	
1st codec	g711ulaw ▼
1st packet time	20 ▼
2nd codec	g711alaw ▼
2nd packet time	20 ▼
3rd codec	g729 ▼
3rd packet time	30 ▼
<input type="checkbox"/> Enable Voice Activity Detection (VAD)	
DTMF Mode	Inband ▼
<input type="button" value="ENABLE"/> <input type="button" value="BACK"/>	



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Note:

The Vendor Prefix of VIP-154 series is **pla154**

STEP 4:

Please browse to the **Device → Extension of IP Phone** menu to create the two extension accounts/password: **1001/123** (for VIP-154T A), and **1002/123**(for VIP-154T B) for the voice calls.

Extension Number	1001
Associated Device	auto_dev_vip154
Password	...
User	admin(admin)
Pickup Group	UG_DEF
Line Type	Wired
Language	English
Voicemail	Enable
Voicemail PIN	...
Unavailable Timeout	10 sec.
<input type="checkbox"/> Allow LAN Use Only	
Try Peer-to-peer RTP	NO
DTMF Mode	inband

ADD BACK

STEP 5:

After setting up the parameters, please browse to the **Service → IP PBX service** menu, and press **RELOAD** of IP PBX configuration reload selection for activating the settings.

Service & Configuration Advance

IP PBX will reload configuration as soon as possible.
Currently active calls will be disconnected in 3 minutes.
Do you really want to Continue?

IP PBX Configuration Reload **RELOAD**

IP PBX Configuration Backup **BACKUP** PBX Settings Only

IP PBX Configuration Restore **RESTORE** ▼

Machine configuration on the VIP-154T

STEP 6:

Please log in VIP-154T A via web browser, browse to the **Advanced Settings** menu. In the setting page, please browse to the **Auto-config** page, and select to **IP-PBX** choice of the Auto Configuration features for IP PBX system.

Auto Configuration Settings

You could enable/disable the auto configuration setting in this page.

Auto Configuration: Off TFTP FTP HTTP IP-PBX

TFTP Server:	<input type="text"/>	
HTTP Server:	<input type="text"/>	Exp. 60.35.187.30
HTTP File Path:	<input type="text"/>	Exp. /download/
FTP Server:	<input type="text"/>	Exp. 60.35.17.1
FTP Username:	<input type="text"/>	
FTP Password:	<input type="text"/>	
FTP File Path:	<input type="text"/>	Exp. /file/load

STEP 7:

After enabled the Auto-config feature, the VIP-154T A shall be able to obtain IP address and SIP extension information from IP PBX system IPX-2000 information. To verify the auto-config results, you may check the extension number from LCD display assigned by IPX-2000.

STEP 8:

Repeat the same configuration steps on VIP-154T B, and check if the VIP-154T B is successfully registered with the IPX-2000 as one of the IP extensions.

Test the scenario

To verify the VoIP communication, you may make calls from extension side (VIP-154T A) 1001 to the number 1002 (VIP-154T B) or reversely make calls from extension client (VIP-154T B) 1002 to the number 1001 (VIP-154T A)



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