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

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

Registration / Authentication

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IPX-2000 LAN IP Address: 192.168.0.50

■ ATA A IP Address: 192.168.0.1
Line Number: 1001

■ ATA B IP Address: 192.168.0.2
Line Number: 2002

Device configurations on the IPX-2000:

STEP 1:

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

Code: please insert **151** as the DHCP server option.

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

An example option 151 would be option=**151** value= **http://192.168.0.50/tftpboot/**

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.

STEP 3:

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

ⓘ **Note**:

The following are the Vendor Prefix of devices:

1. VIP-156: **pla156**

2. VIP-157/VIP-157S: **pla157**

STEP 4:

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

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.

Device configurations on the ATA:

STEP 6:

Please log in ATA via web browser, browse to the **SIP setting** menu and select the **Domain Service** config menu. In the setting page, please browse to the Auto-config page, and enable 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:		
HTTP Server:		Exp. 60.35.187.30
HTTP File Path:		Exp. /download/
FTP Server:		Exp. 60.35.17.1
FTP Username:		
FTP Password:		
FTP File Path:		Exp. /file/load

[Submit] [Reset]

STEP 7:

After enabling the auto-config feature, the ATA 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 connect telephone set to ATA; press **#120#** to check if the IP address is obtained from IPX-2000. And **#122#** can be used to verify the extension number assigned by IPX-2000.

STEP 8:

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

Test the scenario:

1. Pick up the telephone on ATA A
2. Press the keypad: **2002** shall be able to connect to the ATA B
3. Then the telephone set in ATA B should ring. Please repeat the same dialing steps on ATA B to establish the first voice communication from ATA A