

Internet Telephony PBX System

IPX-600
IP PBX with Gateway Configuration







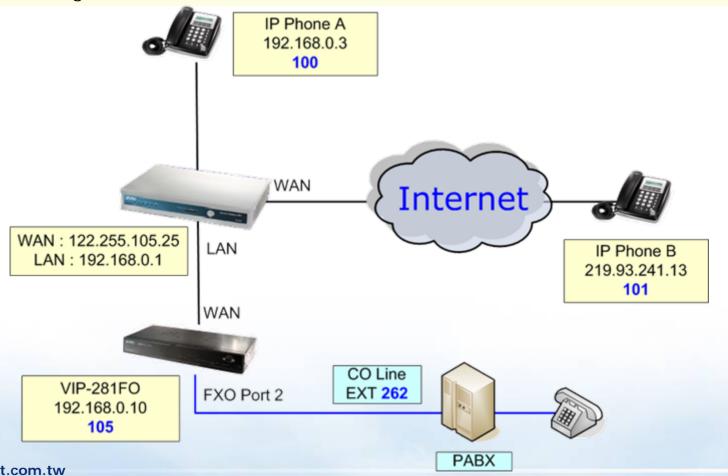


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Scenarios explain: SIP Proxy Mode

We're using the IPX-600 and VIP-281FO to perform the calling party. Please refer to the following descriptions and insert proper parameters configurations into the each device for establish the voice communications.





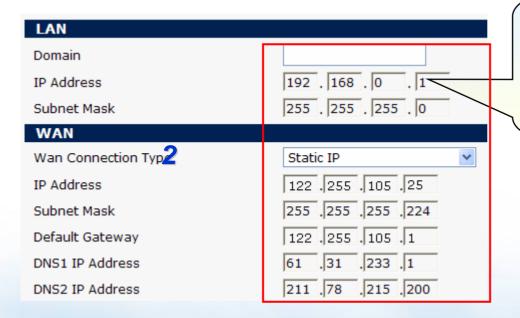
Status

Network Setup-DHCP Server IP PBX

NAT Advanced Log

Management

Click the [Network Setup] to set up the WAN and LAN interface for the IP PBX, If the IP PBXs not under the NAT, disable the STUN server.



Setup the WAN and LAN interface of IPX-600 follow the information of IP that provides by ISP





IP PBX

System Proxy Server Gateway Call Route

Select the [IP PBX->Users Mgmt.] of IP PBX and click Batch Add button in main page to create user account for the SIP client.

Block List Users Mamt.

Call Status

Hunt Group

Call/Pickup Group

CDR

Auto Attendant

Upload Voice File

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First Number: 100 Number of users: 2

Password: 100

Check Auto-increase

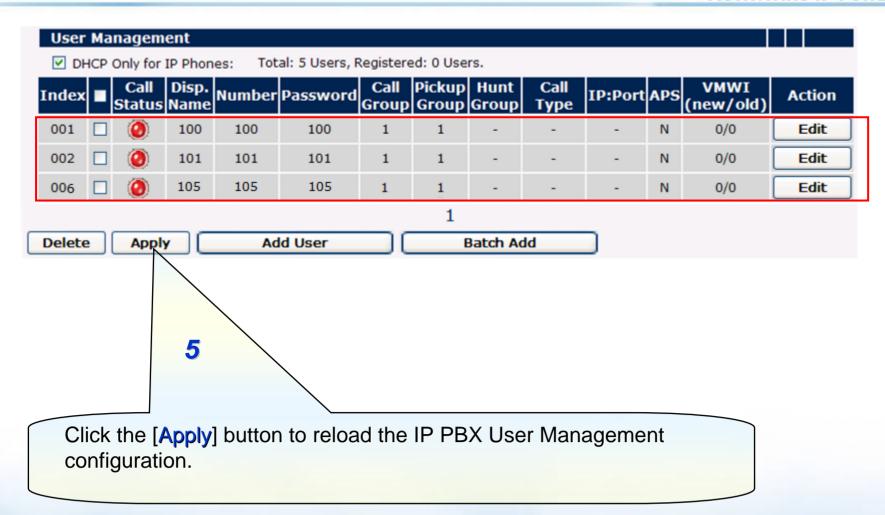
GoTo VM after Ringing: 30

(As you requirement to create users counts.)

Values
100
2 users
100 🗸 Auto-increase
1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
1 2 3 4 5 6 7 8 9 10 15 16 17 18 19 20
Default V
⊙ Disable ○ Internal 10
⊙ Disable ○ Internal 10 ✓ ○ External
⊙ Disable ○ Internal 10 ✓ ○ External
00 : 00 : 00 : 00 : 00
NO 💌
NO 💌
✓ Forward to VM
Disable
E-mail
Delete VM after Send Attachment via E-mail
30 seconds (10~60)











IP PBX

System Proxy Serve Select the [IP PBX->Gateway] of IP PBX and click Apply button in main page to add gateway for the IP PBX.

Gateway

Call Route

Block List

Users Mgmt.

Call Status

Route Group

Hunt Group

Please fill in that gateway

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information

Name: VIP-281FO

Gateway IP: 192.168.0.10

Gateway port: 5060

Number of Analog Ports: 2

Gateway Location: LAN

Add Gateway		
Entry Attributes		Values
Name	VIP-281	
Gateway IP	192.168.0.10	
Gateway Port	5060 (1~65535)	7
Yumber of Analog Ports	2	
Gateway Location	LAN	
Apply Cance		

After confirming the modification you've does, please click on the [Apply] button to add the gateway, then will be return to gateway list please click [Apply] again to make the gateway effective.



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IP PBX

System Proxy Server Gateway

Call Route

Block List

Users Mgmt. Call Status

Hunt Group

Call/Pickup Group

CDR

Auto Attendant

Upload Voice File

Select the
[IP PBX->Call Route] of
IP PBX to create a call
route which connect
with gateway.

Add Call Route (Dial Plan	1)
Route Attributes	Values
Name	PABX
Pattern	0.
Primary Route via	O Proxy Server OTS V O Gateway VIP-281 V
Backup Route via	O Proxy Server OTS V Gateway VIP-281 V
Drop Digits	0
Prefix	

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Create a Call Route : PABX

Pattern: 0. (The ',' is represent the unlimited length of wildcards.)

Apply

Drop Digits: **0** (The first few digit of the dialer number will be removed after going out the device when the dialed number matches pattern.)

Cancel

Primary / Backup Route via: VIP-281FO

This Route is for user can to dial **0 + PABX ext. number** for convenient to make a call.

C	all Route (Dial F	Plan)				
	Name	Pattern	Route via	Drop Digits	Prefix	Action
	default route			0		Edit
	PABX	0.	VIP-281	0		Edit

Delete Add Apply

Click the [Apply] button to reload the IP PBX Call Route configuration.

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IP PBX

System

Proxy Server

Gateway

Call Route

Block List

Users Mamt.

Call Status

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Hunt Group

Call/Pickup Group

CDR

Auto Attendant

Upload Voice File

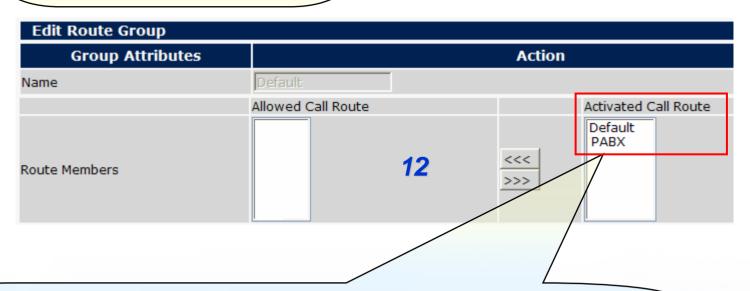
Select the

[IP PBX->Route Group] of

IP PBX to create a route

rule which connect with

gateway.



Add "PABX" call route to Activated call Route field, than leave after click [Apply] then will be return to Route Group list please click [Apply] again for activate the configuration.





Network Setup

WAN Setting

LAN Setting

Virtual Server

Network Filter

Dynamic DNS/DNS

Network Management

WAN Type Setting:
Static IP
IP Address:
192.168.0.10
Subnet Mask:
255.255.255.0
Default Router:
192.168.0.1

Select the [Advance Setup->WAN Setting] of Gateway to settings the WAN interface IP address

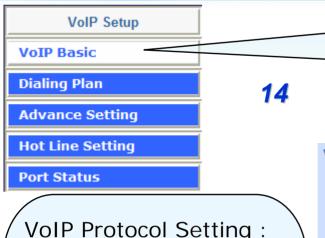
WAN Port Type Configuration: WAN Type Setting IP Address Static IP Select 192.168.0.10 Subnet Mask 255.255.255.0 Default Router 192.168.0.1

Apply

Click the [Apply] button to complete the WAN Port Configuration







VoIP Protocol Setting : SIP

Number: 105 Check the Reg Account: 105

Password: 105

Check Enable Use Public Account (Port 1)

Check Hunting Member port 1 and Port 2

Select the [Advance Setup->VoIP Basic] of Gateway to settings the FXO port SIP account

	VolP Basic Config	guration						
		Ve	oIP Protocol	Setting SIP	Select			
		Port	Number / Pa	assword Setting	(MAX 20 digit) :			
\	No. Nu	ımber Reg	Ac	count	Pass w ord	R	tegister Status	Reason
	1 105		105		•••			
/	2							
	Use Po	ıblic Account (PORT 1)	⊙ I	Enable O Disable			
			SIF	P Hunting Table	:			
	No.			Hunting Mem	ber			
	1			☑ Port 1 ☑ I	Port 2			
	2			Port 1 🗹 I	Port 2			



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SIP Proxy Settings:

Domain/Realm:

192,168,0,1

SIP Proxy Server:

192.168.0.1/5060

SIP Authentication:

Enable

NAT Pass Setting:

Local Setting:

Local SIP Port 5060

Apply

Click the [Apply] button to complete the VoIP Basic Configuration

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VoIP Setup

VoIP Basic

Dialing Plan

Advance Setting

Hot Line Setting

Port Status

Select the [Advance Setup->Dialing Plan] of Gateway to added the dialing plan number.

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Incoming Dial Plan:

Incoming no: 0 Length of Number:

1 ~ 4

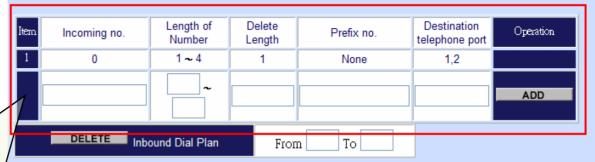
Delete Length: 1
Prefix no: Null

Destination telephone

Port: 1,2

And click on the ADD button to loaded into the list.

Incoming Dial Plan: (maximun 50 entries, maximun length of prefix digits is 16 digit, maximun length of number is 20 digit):







VoIP Basic

Dialing Plan

Advance Setting

Hot Line Setting

Port Status

HotLine number settings

Port 1 number : **9997** Port 2 number : **9997**

Auto dialed 9997 for

incoming calls.

Main Menu Reboot Save Configuration Logout

Click the [Save Configuration] 18 button to save parameter and then click the [Reboot] button to restart after save configuration.

Select the

[Advance Setup->Hot Line Setting] of Gateway to settings the hotline number.

Hot Line Number Setting (Hotline Setting)

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Hotline Delay

O Disable O Enable

Hotline Delay Time(Max. 20 sec)

3 sec

Port 1 number 9997

Port 2 number 9997

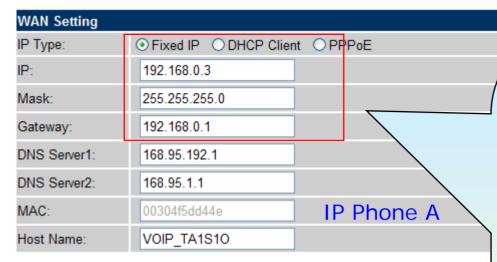
Apply

Click the [Apply] button to complete the Hot Line Configuration

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VIP-154T Network Settings



WAN Setting	
IP Type:	
IP:	219.93.241.13
Mask:	255.255.255.0
Gateway:	219.93.241.1
DNS Server1:	168.95.192.1
DNS Server2:	168.95.1.1
MAC:	00304f5dd44e IP Phone B
Host Name:	VOIP_TA1S10

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IP Phone A

IP Type : Fixed IP IP: 192.168.0.3

Mask: **255**,**255**,**255**,**0** Gateway: **192**,**168**,**0**,**1**

IP Phone B

IP Type : Fixed IP

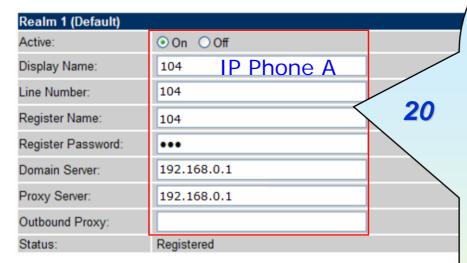
IP: **219.39.241.13**

Mask: **255.255.25.0** Gateway: **219.93.241.1**

After confirming the modification you've done, Please click on the **Submit** button to apply settings.



VIP-154T Settings for register IP PBX



Realm 1 (Default)	
Active:	⊙ On ○ Off
Display Name:	105
Line Number:	105 IP Phone B
Register Name:	105
Register Password:	•••
Domain Server:	122.255.105.25
Proxy Server:	122.255.105.25
Outbound Proxy:	
Status:	Registered

IP Phone A

Active: On

Display Name: 104 Line Number: 104 Register Name: 104

Register Password: 123

Domain Server: 192.168.0.1 Proxy Server: 192.168.0.1

IP Phone B

Active : On

Display Name: 105 Line Number: 105 Register Name: 105

Register Password: 123

Domain Server: **122.255.105.25**Proxy Server: **122.255.105.25**

After confirming the modification you've done, Please click on the **Submit** button to apply settings.





SIP Phone Configuration Menu

Phone Book

Phone Settings

Network

SIP Settings

NAT Trans.

Advanced settings

System Auth.

Save & Reboot

System Settings

Reboot without saving

This page inform user important information.

Configure OK.

System will reboot automatically to effect those changes and please wait for a moment while rebooting....

Browser to Save & Reboot menu to reboot the machine to make the settings effective.

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For example:

1.From PABX make call to IP Phone A or B

- Step 1. Pick up the handset and input number **262** when listen to dial-tone.
- Step 2. You will be listen to the greeting prompt voice from IP PBX.
- Step 3. Enter an IP Phone extension number 100 or 101
- Step 4. Then the IP Phone should be ring at this time.
- Step 5. You pick up handset establish voice communication begin.

2.From IP Phone make call to PABX Ext.

- Step 1. Pick up the handset and hearing the dial-tone
- Step 2. Enter a extension number of the PABX system, such as 0263 and end with #.
- Step 2. Then the ext.263 Analog phone of the PABX, should be ring at this time.
- Step 3. You can pick up handset establish voice communication begin.

NOTE:

The mentioned parameters and network settings in this sample be carefully modified to meet the real-world applications.



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