PLANET Networking & Communication

ACTIVATING IP POWER

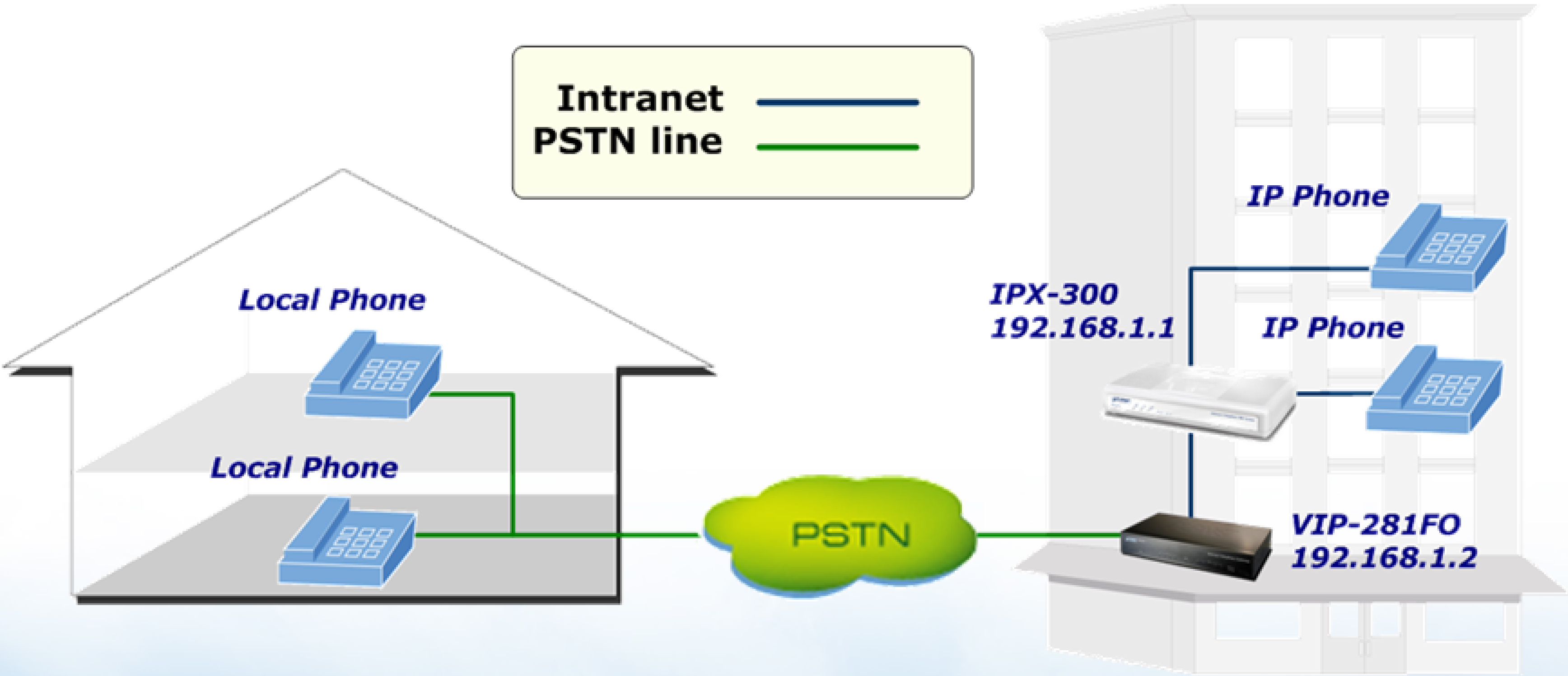
Internet Telephony PBX System

IPX-300 Series
PBX with FXO GW Configuration



Case 4: IP PBX-Trunk-Gateway one-stage to dial Configuration

We're using the IPX-300 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.



Select the [UIP PBX Setup->Gateway Trunk] of IPX-300 to create the Gateway Trunk for the FXO gateway.

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» IP PBX Setup

- SIP Basic Setting
- SIP Extension Setup
- Trunk Management
  - SIP Trunk
  - Gateway Trunk
  - Trunk Group
  - Dialing Rules

IP :192.168.0.48 (Gateway IP Address)
Port : 5060 (Gateway SIP Port)
Afterward click the Insert to add that

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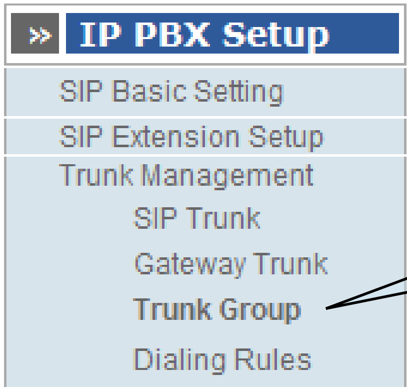
IP PBX Setup

- Gateway Trunk Setting

Add Gateway trunk

Gateway trunk Max is 10

IP	Port	Action
		Insert Change
192.168.0.48	5060	Edit Delete



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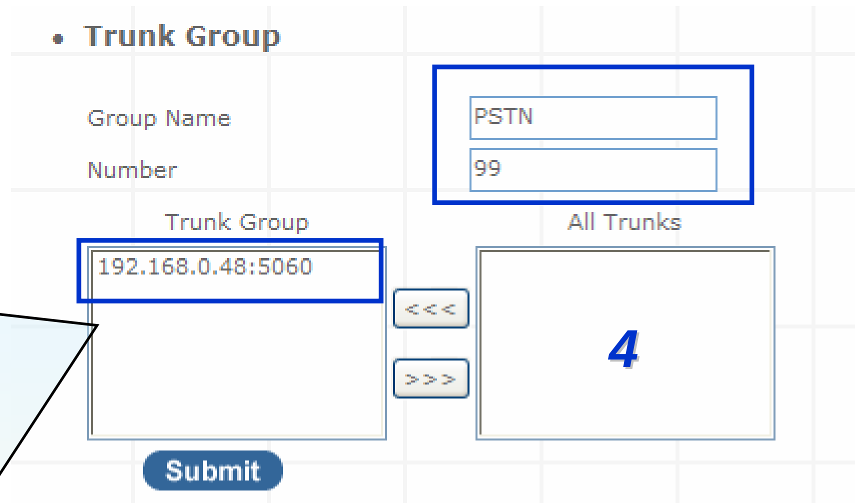
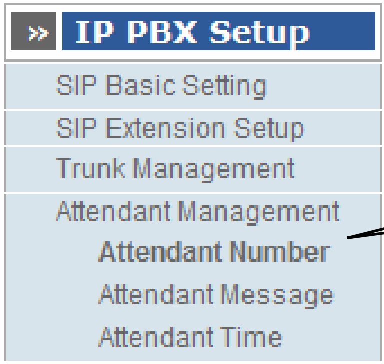
Select the [IPX PBX Setup->Trunk Group] of IPX-300 to add the Trunk Group



Click the Add button add a new Trunk Group
Group Name : PSTN
Group Number : 99
Trunk Group : 192.168.0.48:5060
Click the Submit button after confirmed whole configuration

Group Name List Trunk Group Max is 10

Group Name	Group Number	Number	Action
PSTN	99	192.168.0.48:5060	Edit Delete



Select the [Attendant Number] of IPX-300 to assign a AA extension number for Gateway hotline setting.

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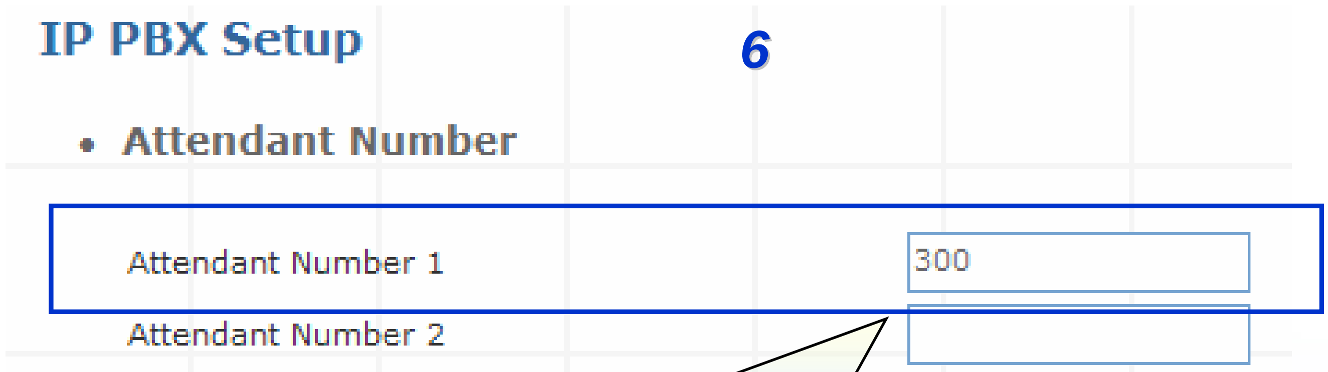

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Assign a AA extension number :
Attendant Number 1 : ***300***

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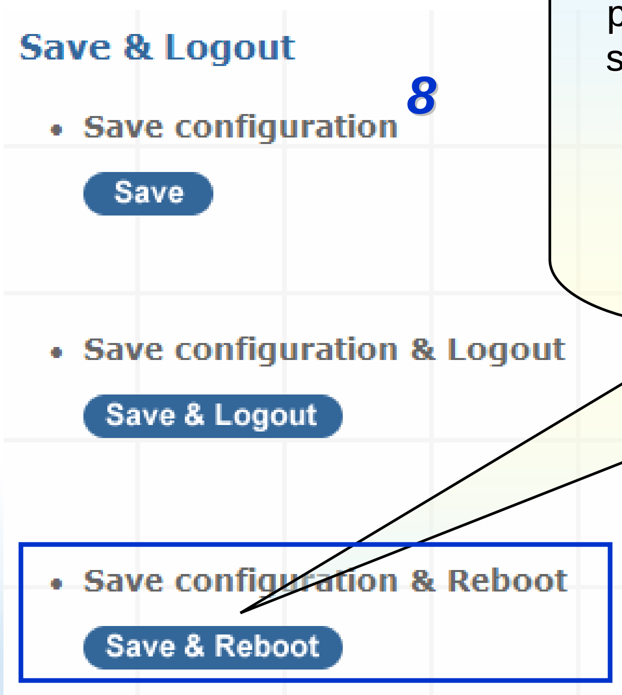
Select the [Save & Logout] of IPX-300 to create a SIP trunk which connect with Gateway



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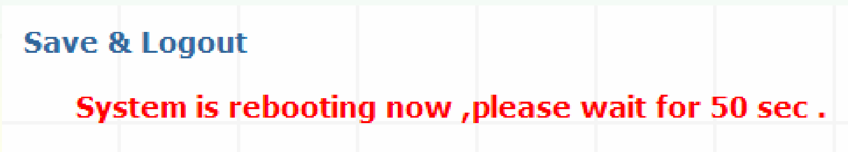
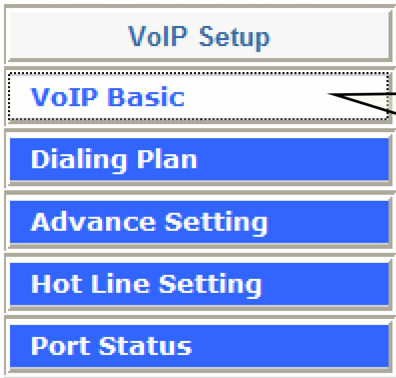
Click on the Save & Reboot button to save previous modification and take effect, the system will rebooting, please wait for 50 sec





Select the [Advance Setup ->VoIP Basic] of gateway to setting port number configuration.

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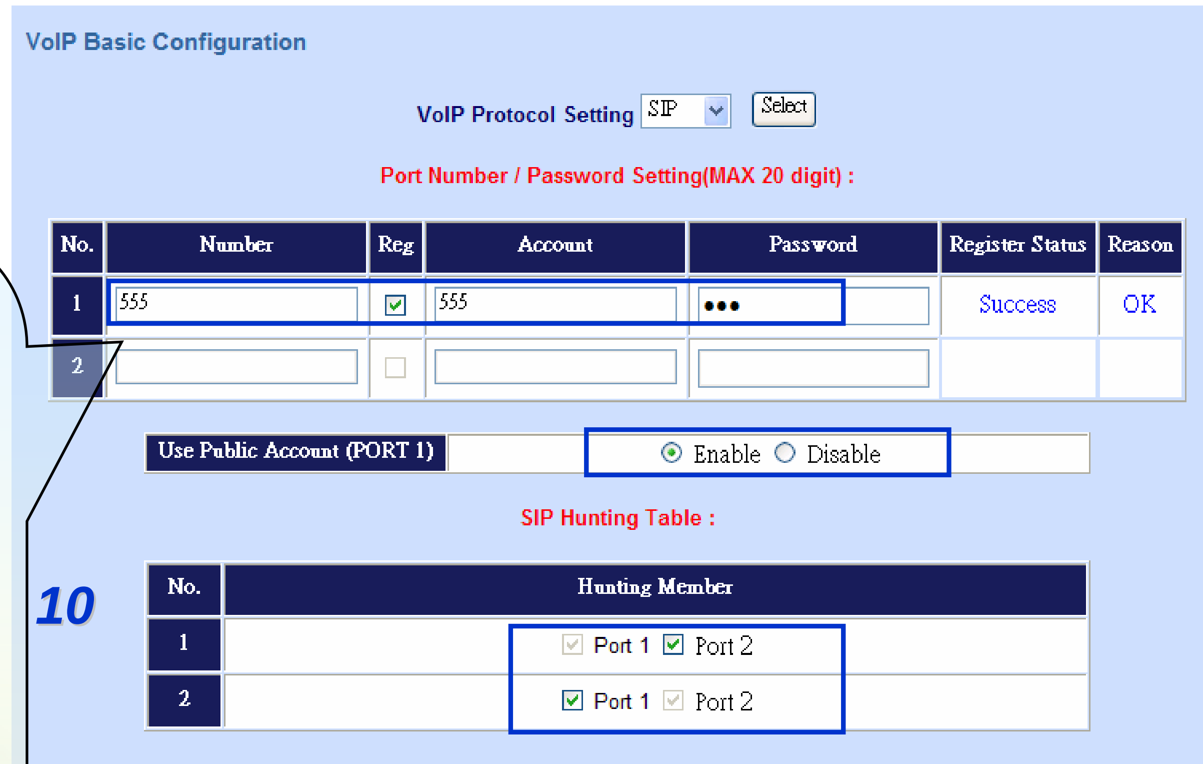

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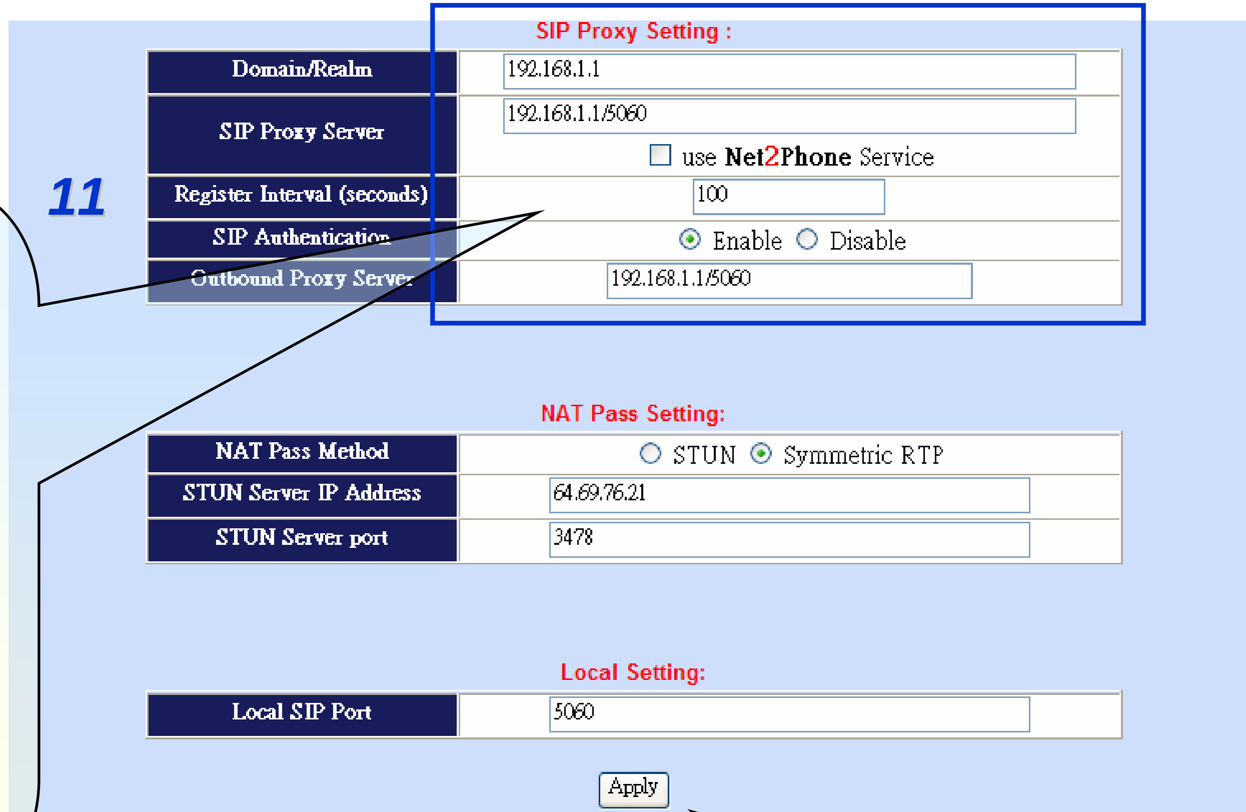
VoIP Basic Configuration:
Number :555
Check Reg
Account: 555
Password: 555
Use Public Account: Enable
Check Hunting Member
Port 1 and Port 2

This function is when the port 1 be communicating, and it another SIP calls from network will forward this call to port 2 automatically.



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SIP Proxy Setting:
Domain/Realm:
192.168.1.1
SIP Proxy Server:
192.168.1.1/5060
SIP Authentication :
Enable
Outbound Proxy Server:
192.168.1.1/5060

About the IP address please refer to previous topology.

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Click the Apply button to complete the VoIP Basic configuration.

Case 3: IP PBX-Trunk-Gateway Configuration

VoIP Setup
- VoIP Basic
- Dialing Plan
- Advance Setting
- Hot Line Setting
- Port Status

Select the [Dialing Plan] of gateway to add the Dialing Plan Number.

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Incoming Dial Plan Settings:
Outgoing no: **1X / 2X**
Length of Number: **3 ~ 3 / 8 ~ 8**
Delete Length: **0**
Prefix no.: **Null**
Destination Telephone Port : **1,2,3 / 4**

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

Item	Incoming no.	Length of Number	Delete Length	Prefix no.	Destination telephone port	Operation
1	1x	3 ~ 3	0	None	1,2,3	
2	2x	8 ~ 8	0	None	4	
		~				ADD

DELETE	Inbound Dial Plan	From	To

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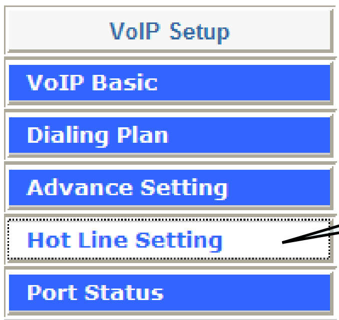
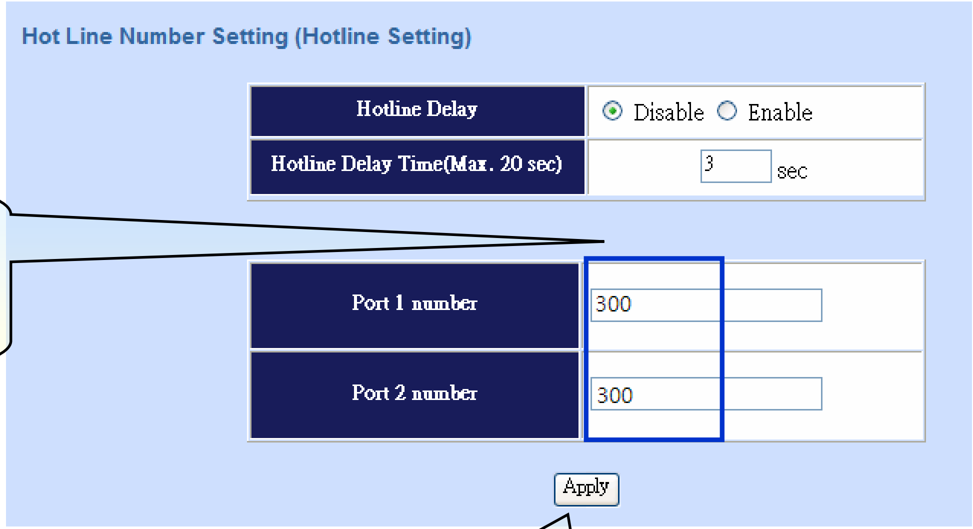


Select the [Hot Line Setting] of gateway to add the Hot Line Number.



Hot Line Number Setting : 16
Port 1 Number : **300**
Port 2 Number : **300**

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Click the Save Configuration hyper-link to save the whole parameters and then click the Reboot to restart system.

Click on the Apply button to complete the modification.

For example:

1.From IP Phone make a call to FXO (One-stage dial method)

Step 1. Pickup the handset and hearing a dial-tone, then to input a number **9922199518#**.

Step 2. You will be hear to the ring-back tone, waiting for remote to pickup the call.

2.From IP Phone make a call to FXO. (Two-stage dial method)

Step 1. Pickup the handset and hearing a dial-tone, then input a number **99#**.

Step 2. You will be hear a ring-back tone afterward, and then get a dial-tone form PSTN line.

Step 3. To input a local phone number, such as **22999158**

2.From local phone (PSTN) make a call into IPPBX through FXO.

Step 1. Pickup the handset of local phone and hearing a dial-tone, input number **858075**

Step 2. You will be hear a ring-back tone afterward, and then entered the IVR of IPPBX

Step 3. To input a extension number of SIP client, then the SIP client should be ring up.

NOTE:

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

Activating IP Power