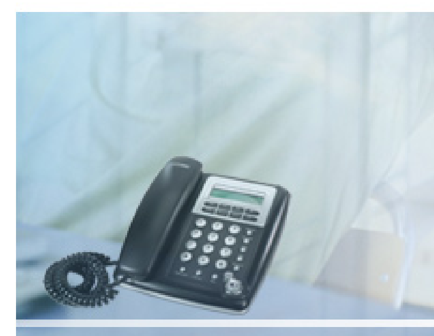
PLANET
Networking & Communication

ACTIVATING IP POWER

Internet Telephony PBX System

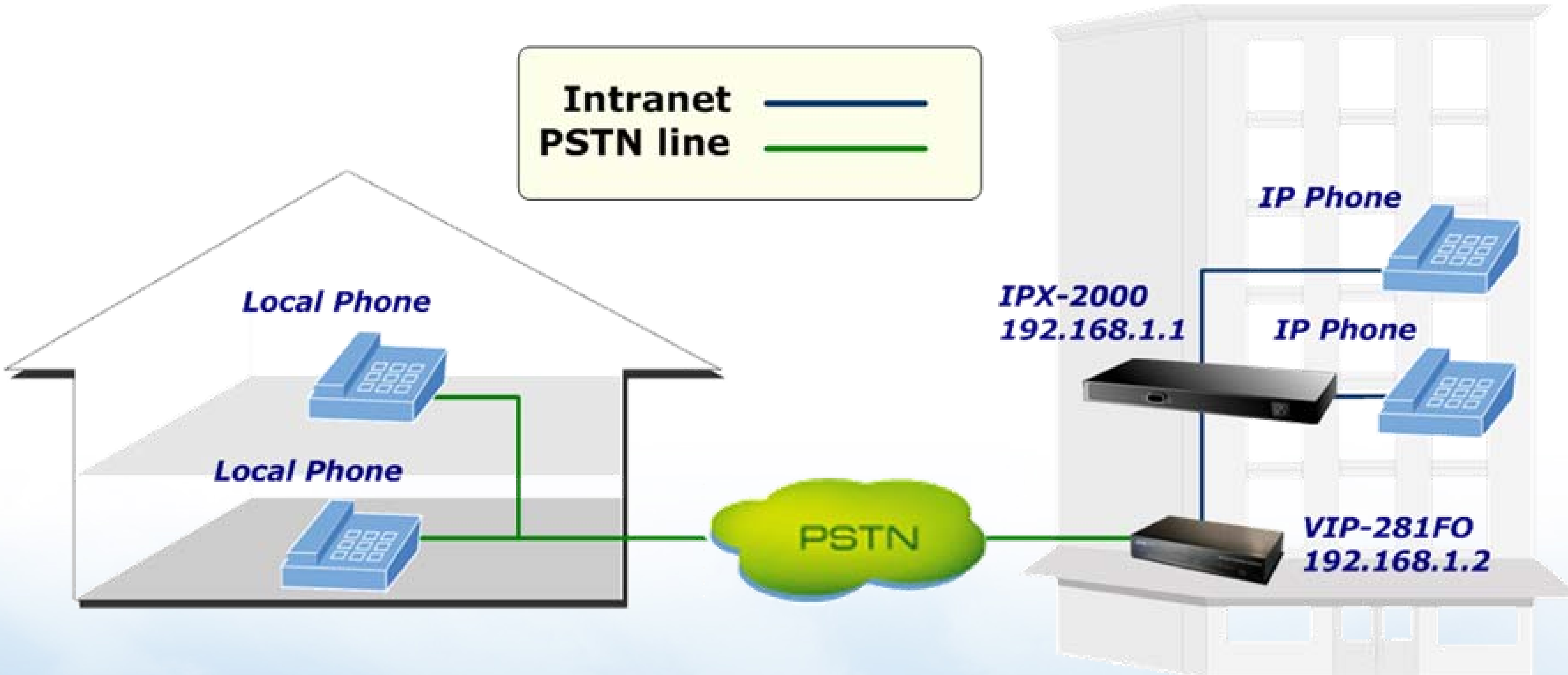
IPX-2000/1800 Series
PBX with FXO GW Configuration II





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

We're using the IPX-2000 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.



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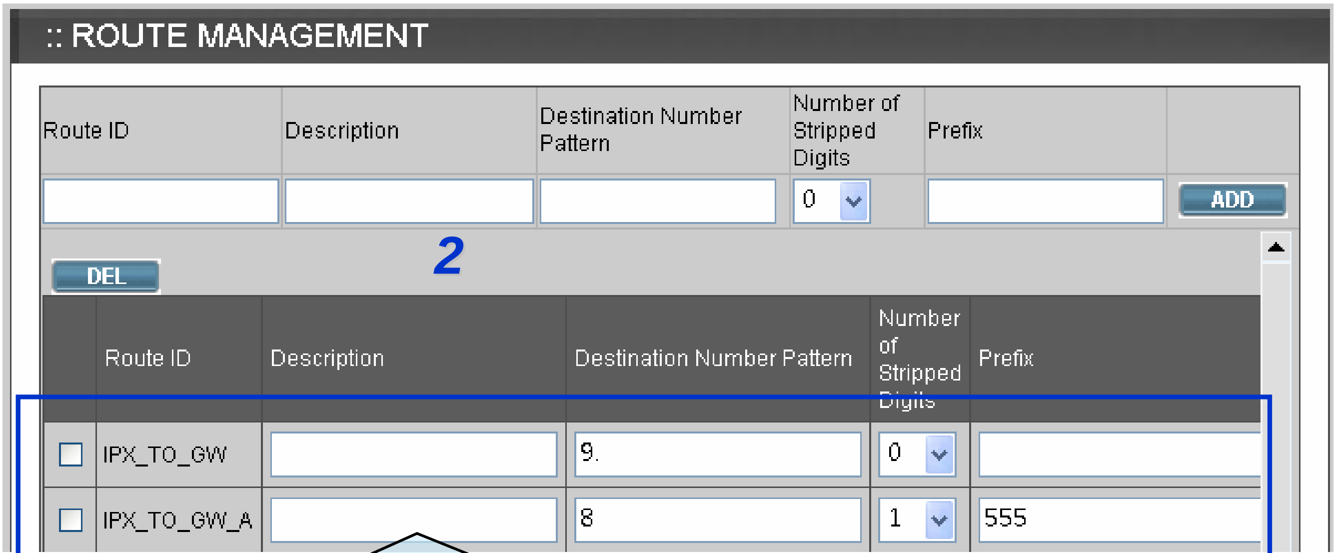
Select the [Route->Route] of IP PBX to create the Routes for the gateway.



Create a Route ID :PBX_TO_GW
Destination number pattern : 9.
Number of stripped digits: 0
Create a Route ID :PBX_TO_GW_A
Destination number pattern : 8
Number of stripped digits: 1
Prefix:555

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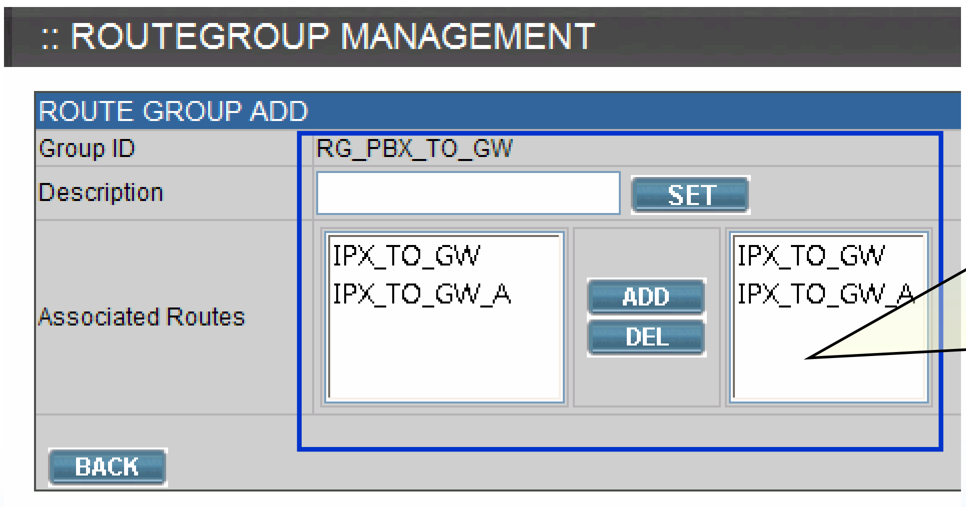
Select the [Route->Routegroup] of IP PBX to add the previous Routes to a Routegroup



Create a new Routegroup **RG_PBX_TO_GW**
Then to press the ADD button to get the both **IPX_TO_GW** and **IPX_TO_GW_A** added to this Routegroup.

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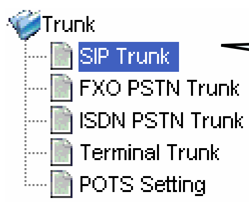
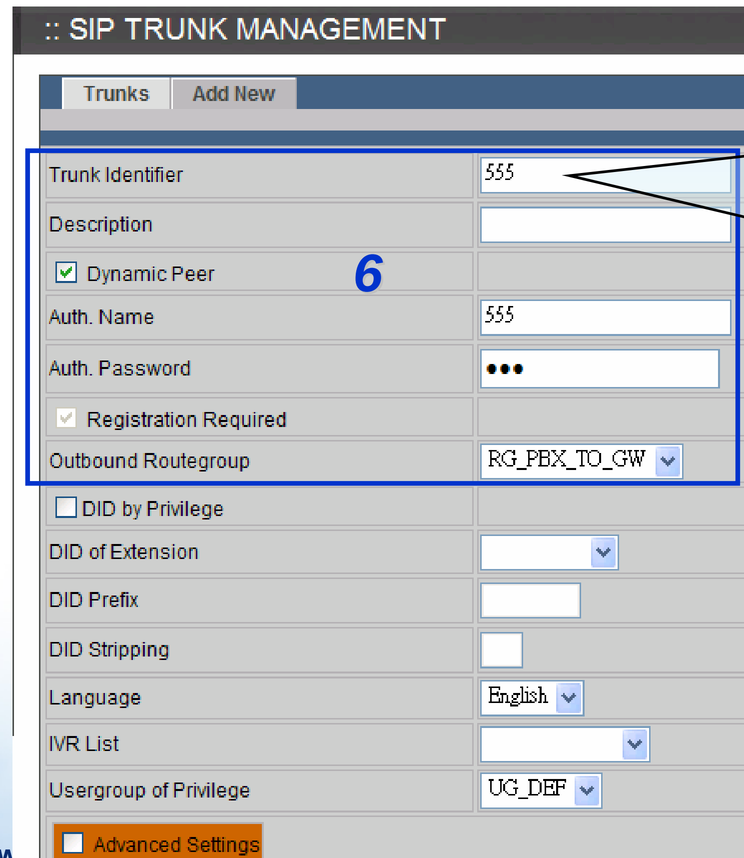


Select the [Trunk->SIP trunk] of IP PBX to create a SIP trunk which connect with Gateway



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Trunk identifier: **555** (this number is for Gateway to hot line to auto attendant)
Check Dynamic peer
Auth. Name: **555**
Auth. password: **555**
Outbound routegroup: **RG_PBX_TO_GW**

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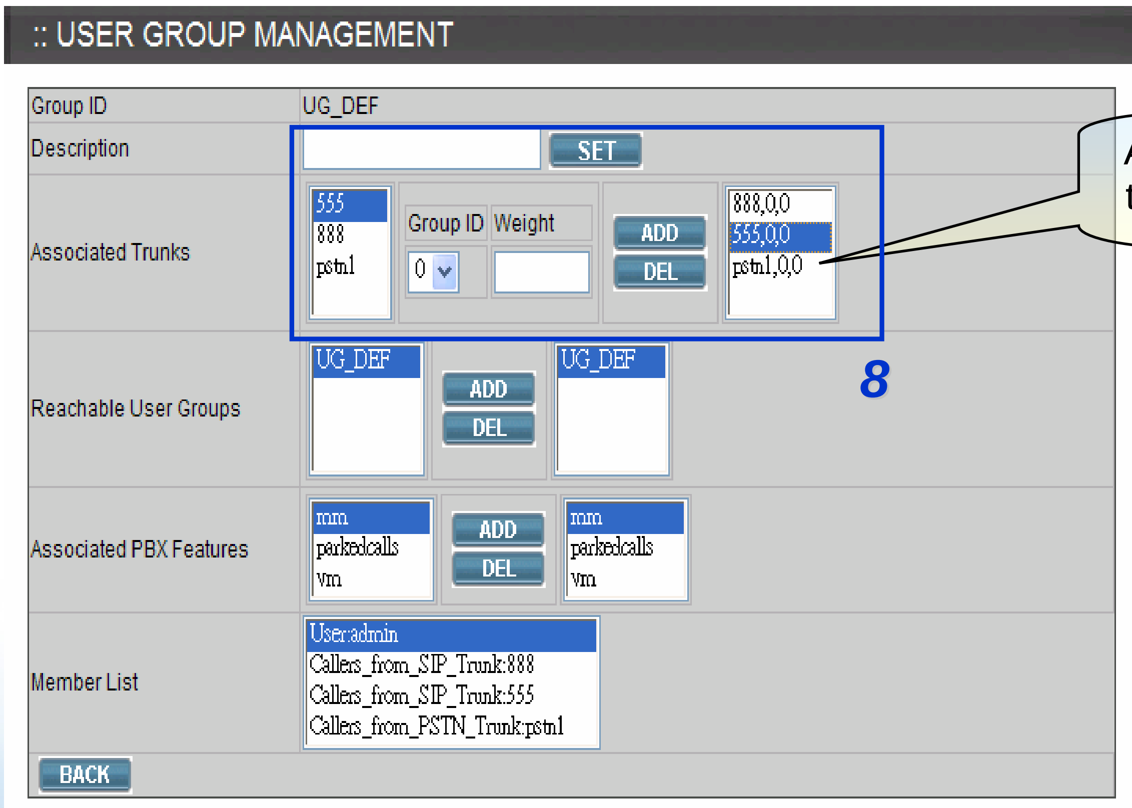
Select the [**User->Usergroup**] of **IP PBX** to associate the SIP trunk 555 to corresponding usergroup



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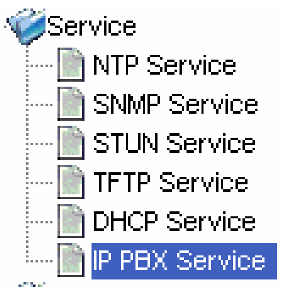
Associate the SIP trunk **555** to the usergroup **UG_DEF**



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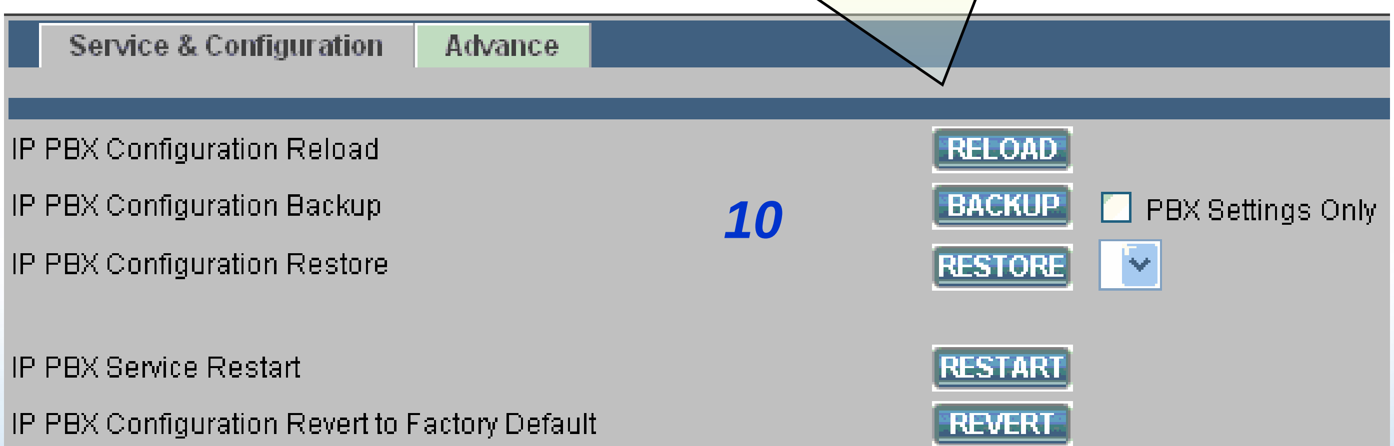
Select the [Service->IP PBX service] of IP PBX to reload the IP PBX configuration.

Click on the RELOAD button to reload just modification to take effect, and after complete, please connect to gateway to finish rest of procedures.



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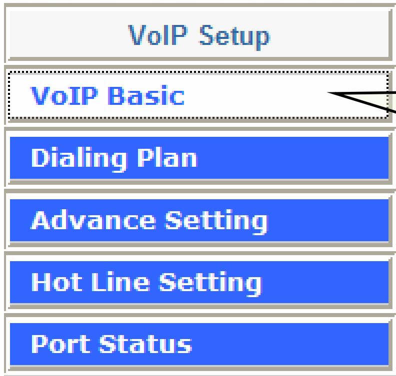

Select the [Advance Setup ->VoIP Basic] of gateway to setting port number configuration.

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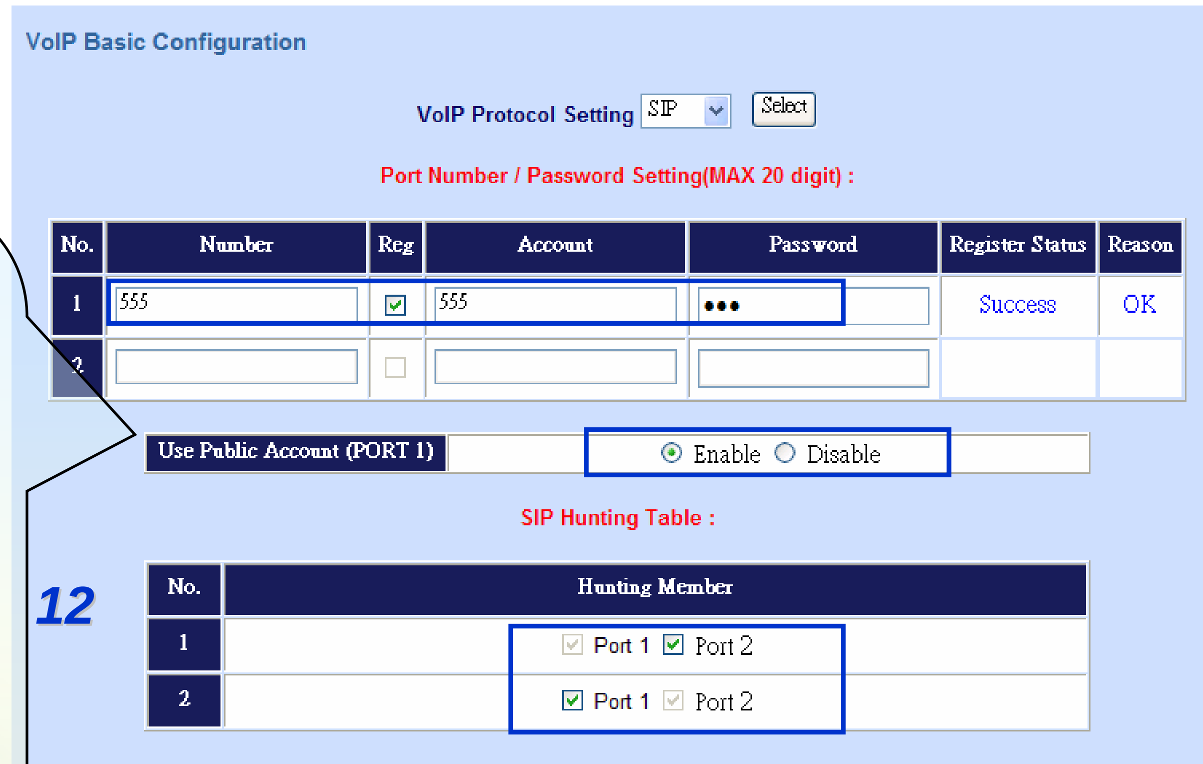

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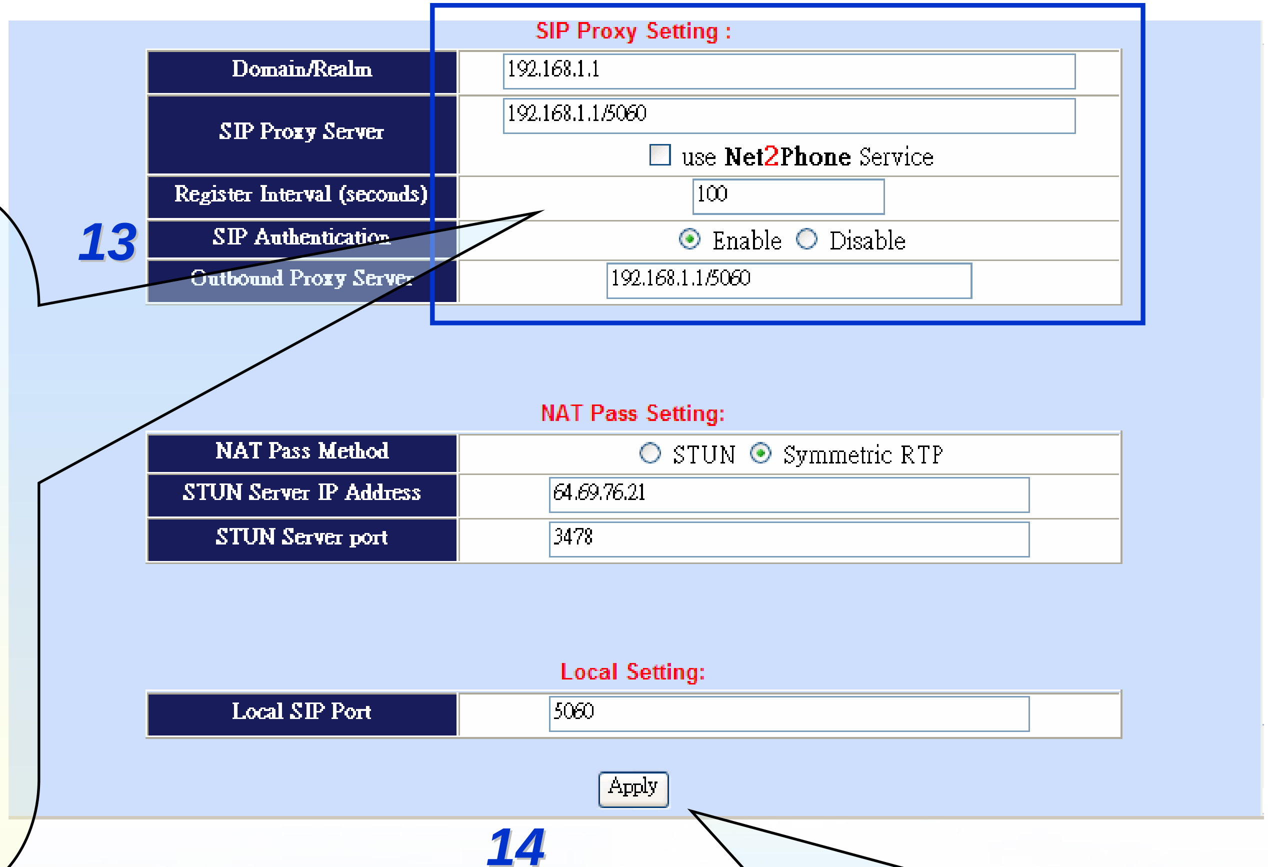
VoIP Basic Configuration:
Number :555
Check Reg
Account: 555
Password: 555
Use Public Account: Enable
Check Hunting Member
Port 1 and Port 2

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



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.

Click the Apply button to complete the VoIP Basic configuration.

Case 3: IP PBX-Trunk-Gateway Configuration

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

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

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Outgoing Dial Plan Settings:
Outgoing no: **0555**
Length of Number: **4~4**
Delete Length: **1**
Destination IP/DNS: **192.168.1.1**
Destination Port : **5060**

This Dialing Plan is for gateway to hot line ***0555*** then striped ***0*** dialed ***555*** call be transferred to the IVR of IP PBX.

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Outgoing Dial Plan: (maximun 50 entries, maximun length of prefix digits is [illegible] digit, maximun length of number is 20 digit)

Item	Outgoing no.	Length of Number	Delete Length	Prefix no.	Destination IP/DNS	Destination Port	Operation
1	0555	4 ~ 4	1	None	192.168.1.1	5060	
		~					ADD

DELETE Outbound Dial Plan From To

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	9	1 ~ 10	1	None	1,2	
		~		17		ADD

DELETE Inbound Dial Plan From To

Incoming Dial Plan Settings:
Incoming no: **9**
Length of Number: **1~10**
(Please according to your environment to modified this value)
Delete Length: **1**
Destination telephone port : **1,2**

This Dialing Plan is when has an incoming call form client of IPPBX and it number is ***922199518*** into the gateway, that would be drop the prefix ***9*** automatically, then forward the number ***22199518*** to the ***port 1 or 2***.

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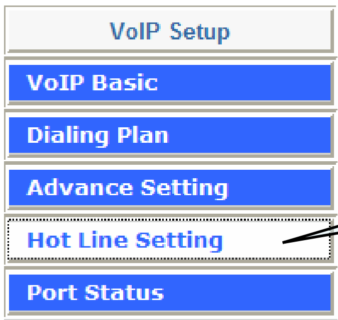
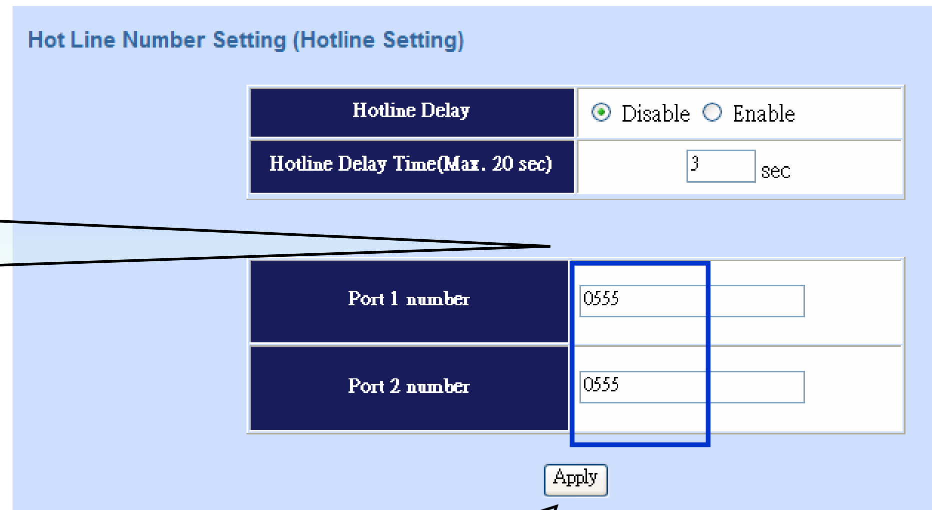


Select the [Hot Line Setting] of gateway to add the Hot Line Number.



Hot Line Number Setting : **19**
Port 1 Number : **0555**
Port 2 Number : **0555**

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

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Click on the Apply button to complete the modification.

For example:

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

Step 1. Pickup the handset and hearing a dial-tone, then to input a number **922199518#**.

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

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

Step 1. Pickup the handset and hearing a dial-tone, then input a number **8#**.

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