



How to set up IP PBX

IPX-330/IPX-2100/IPX-2200/IPX-2500

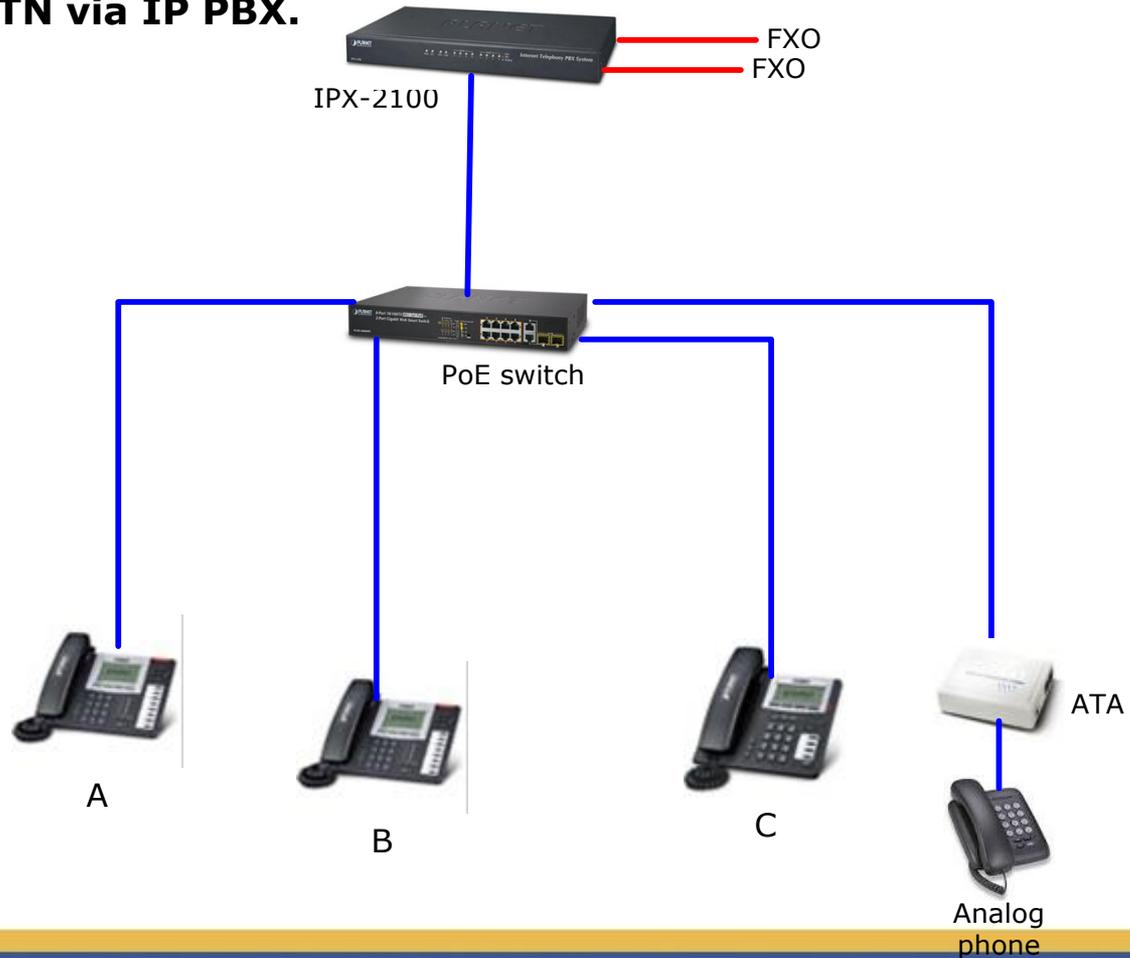


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Connect topology

- ◆ **These IP phones get power from PoE switch. Another analog phone be able call to IP phones via FXO and IP phones also can dial to PSTN via IP PBX.**





How to modify extension setting

Modify setting for user extensions

Step 1

- ◆ The default user extension range between 100 and 899. Users can modify setting for their work around.

Add



User Profiles

Features

Advanced

Extension Number ?

100

Name

100

Password (Strong) ?

cltIMI4_1G

Email ?

Outbound CID ?

Mobile Number

Dial Permission ?

Language ?

Music On Hold

Cancel

Submit

Modify setting for user extensions

Step 2

- ◆ The default password is random occur and at least need 10 digit in password field.

Add



User Profiles

Features

Advanced

Extension Number ?

100

Name

100

Password (Strong) ?

cltIMI4_1G

Email ?

Outbound CID ?

Mobile Number

Dial Permission ?

DialPlan1

Language ?

English

Music On Hold

default

Cancel

Submit



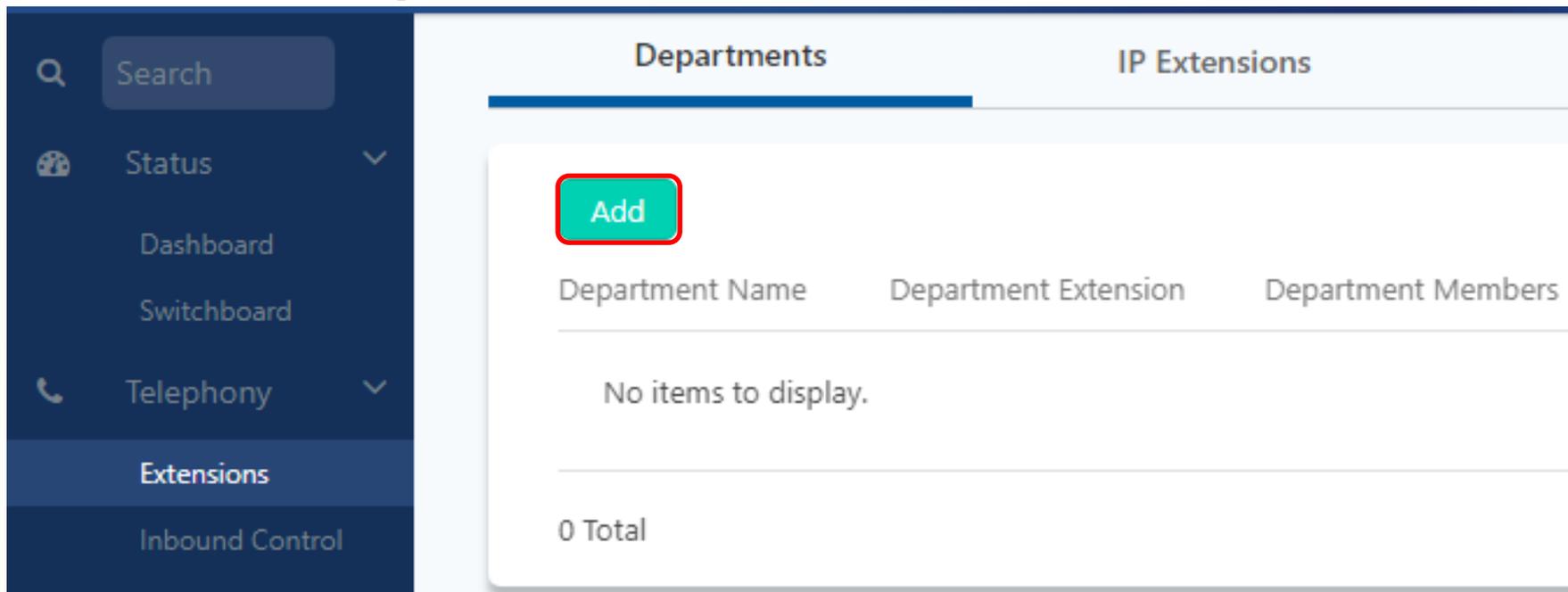
How to modify departments setting

Modify setting for departments

Step 1

- ◆ After you add the extensions member, we can add the group rings from this function.

Path : Departments > Add



The screenshot shows the Planet IP Extensions web interface. On the left is a dark blue sidebar with a search bar and navigation items: Status, Dashboard, Switchboard, Telephony, Extensions (highlighted), and Inbound Control. The main content area has two tabs: 'Departments' (active) and 'IP Extensions'. Below the tabs is a white card containing a green 'Add' button with a red border. Underneath the button is a table with three columns: 'Department Name', 'Department Extension', and 'Department Members'. The table is currently empty, displaying 'No items to display.' and '0 Total' at the bottom.

Modify setting for departments

Step 2

- ◆ Enter all the column value, department extensions has rules, the range is between 0400-0435.
- ◆ Select the extensions that members you choosed.

Add ×

Department Name

Department Extension

Ring Strategy

Destination if no answer

Select Department Members

Select All

| | | |
|--|---|---|
| <input checked="" type="checkbox"/> ICF-1800(Phone)[100] | <input checked="" type="checkbox"/> VIP-156PE(ATA)[101] | <input type="checkbox"/> VIP-1120PT(phone)[102] |
| <input type="checkbox"/> IAD-8FXS(P1)[103] | <input type="checkbox"/> IAD-8FXS(P2)[104] | <input type="checkbox"/> IAD-8FXS(P3)[105] |

Example: chose two members.

Modify setting for departments

Step 3

- ◆ When you finish your selection. Press the submit.

Add



Department Name

ENM

Department Extension ?

0400

Ring Strategy ?

Ring All

Destination if no answer

Hangup

Select Department Members

ICF-1800(Phone)[100] ✖

VIP-156PE(ATA)[101] ✖



Cancel

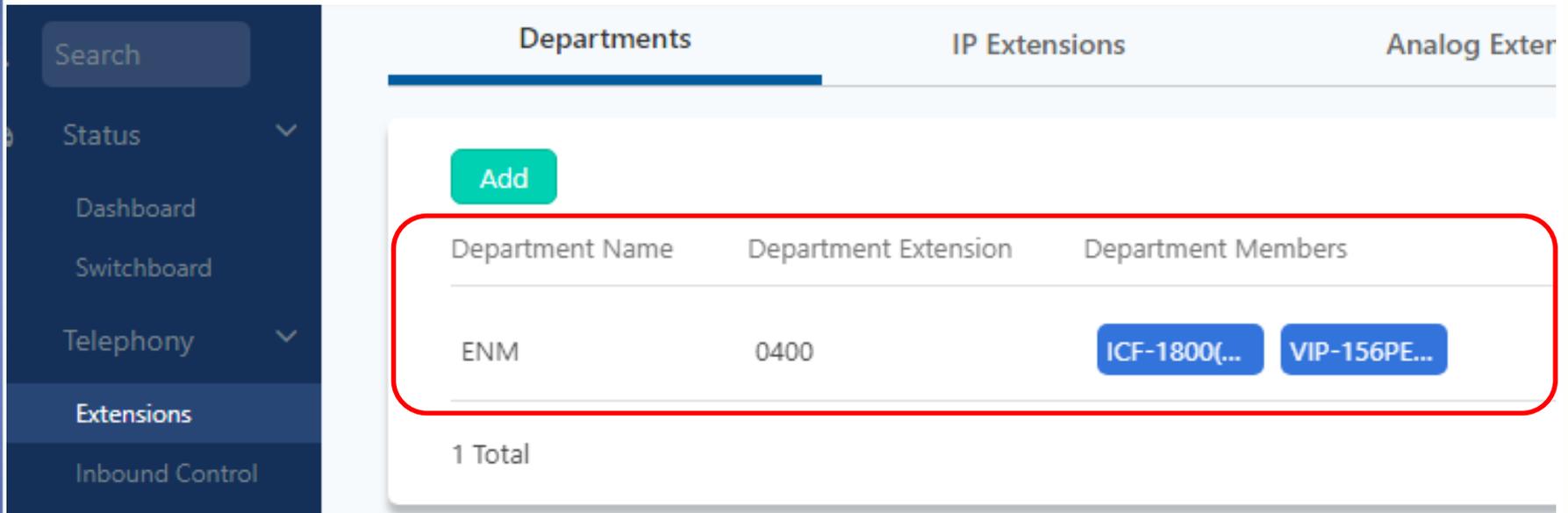
Submit

Modify setting for departments

Step 4

- ◆ When you finish your selection. Press the submit.

You can check your departments setting here.



The screenshot shows the Planet IP Extensions management interface. The 'Departments' tab is selected, and a table lists the department settings. A red box highlights the table content.

| Department Name | Department Extension | Department Members |
|-----------------|----------------------|--|
| ENM | 0400 | ICF-1800(...) VIP-156PE... |

1 Total



How to register to IP PBX

ATA register to IP PBX

Case 1

- ◆ **Modify extension password to this page and fill correct value in IP phone's field.**

User Profiles | Features | **Advanced**

| | | | |
|-------------------|---|-------------------|--|
| Name | <input type="text" value="VIP-156PE(ATA)"/> | Mobile Number | <input type="text"/> |
| Password (Weak) ? | <input type="text" value="101101"/> | Dial Permission ? | <input type="text" value="DialPlan1"/> |
| Email ? | <input type="text"/> | Language ? | <input type="text" value="English"/> |
| Outbound CID ? | <input type="text"/> | | |
| Music On Hold | <input type="text" value="default"/> | | |

Cancel Submit

**Enter the same digit.
(SIP name and the password)**

ATA equipment GUI

| | |
|--------------------------|--|
| Phone Number: | <input type="text" value="101"/> |
| Authentication ID: | <input type="text" value="101"/> |
| Authentication Password: | <input type="password" value="....."/> |
| Domain Server: | <input type="text" value="192.168.0.1"/> |
| Proxy Server: | <input type="text" value="192.168.0.1"/> |

IP Phone register to IP PBX

Case 2

- ◆ **Modify extension password to this page and fill correct value in IP phone's field.**

User Profiles | Features | **Advanced**

| | | | |
|-------------------|--|-------------------|--|
| Name | <input type="text" value="ICF-1800(Phone)"/> | Mobile Number | <input type="text"/> |
| Password (Weak) ? | <input type="text" value="100100"/> | Dial Permission ? | <input type="text" value="DialPlan1"/> |
| Email ? | <input type="text"/> | Language ? | <input type="text" value="English"/> |
| Outbound CID ? | <input type="text"/> | | |
| Music On Hold | <input type="text" value="default"/> | | |

Enter the same digit.

IP Phone web GUI (SIP name and the password)

SIP Line

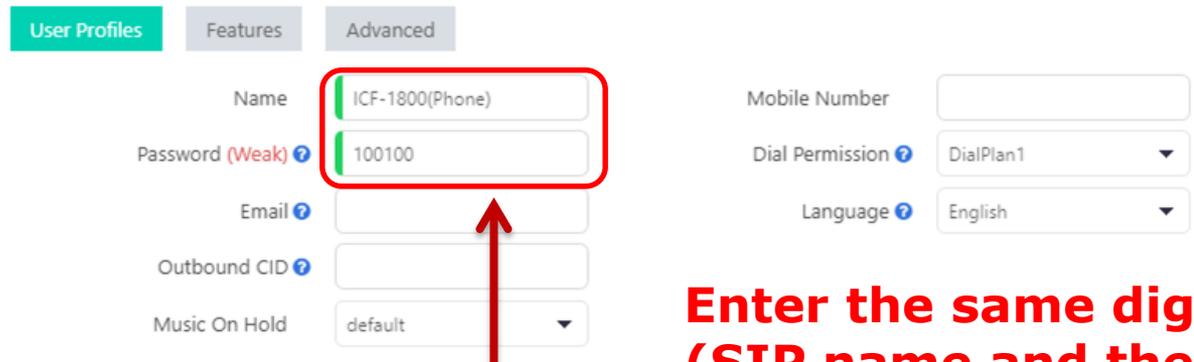
Basic Settings >>

| | | | |
|-------------------------|-------------------------------------|-----------------------------|----------------------|
| Status | Registered | Domain Realm | <input type="text"/> |
| Server Address | 192.168.0.1 | Proxy Server Address | <input type="text"/> |
| Server Port | 5060 | Proxy Server Port | <input type="text"/> |
| Authentication User | 100 | Proxy User | <input type="text"/> |
| Authentication Password | •••••• | Proxy Password | <input type="text"/> |
| SIP User | 100 | Backup Proxy Server Address | <input type="text"/> |
| Display Name | 100 | Backup Proxy Server Port | 5060 |
| Enable Registration | <input checked="" type="checkbox"/> | Server Name | <input type="text"/> |

Intercom register to IP PBX

Case 3

- ◆ **Modify extension password to this page and fill correct value in IP phone's field.**



User Profiles | Features | Advanced

Name: ICF-1800(Phone)

Password (Weak): 100100

Mobile Number:

Dial Permission: DialPlan1

Language: English

Email:

Outbound CID:

Music On Hold: default

**Enter the same digit.
(SIP name and the password)**

Intercom web GUI



PLANET | Status | Security | Intercom | System

SIP Server Setting

Username: 100

Password: 000000

Server: 192.168.0.1

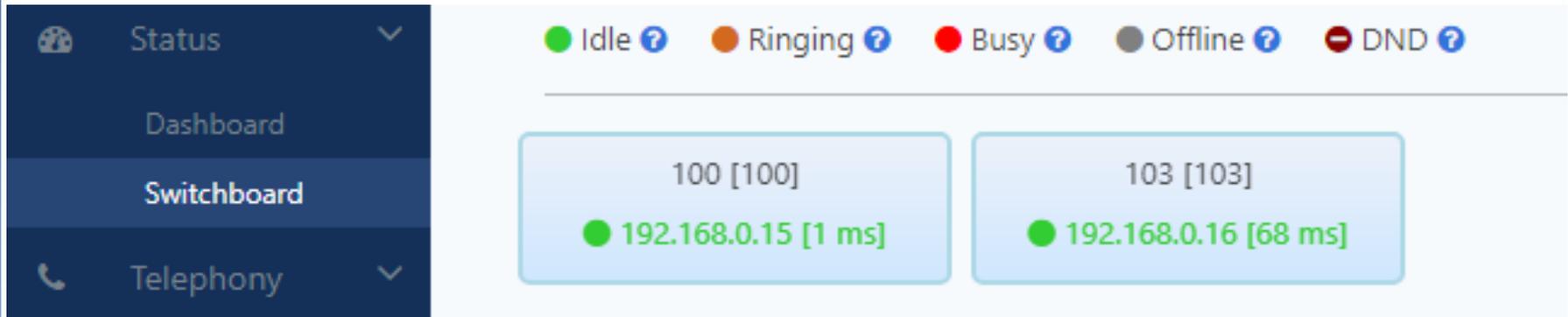
The PBX server is 192.168.0.1

Save

Checking status

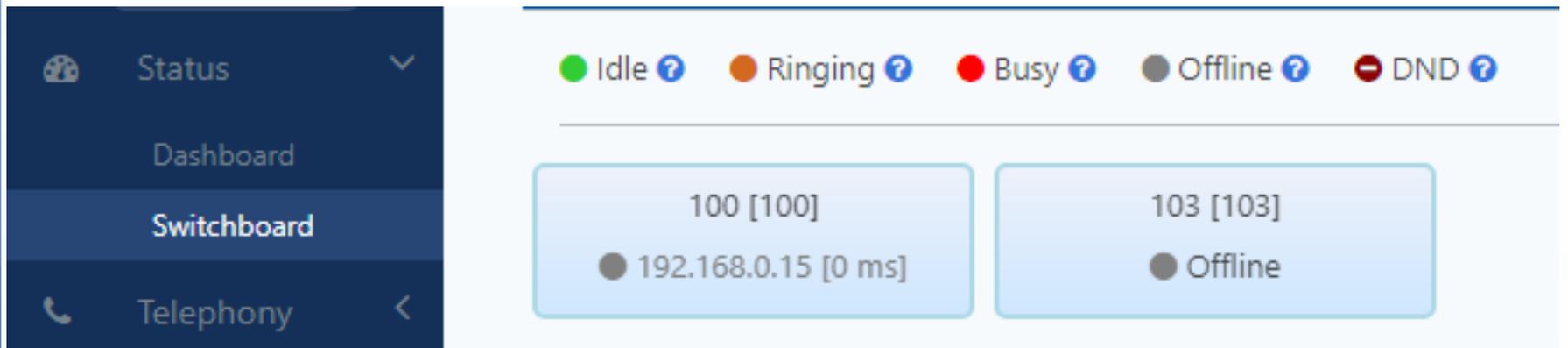
Check

- ◆ IP phones had registered successful.



The screenshot shows a web interface for checking IP phone status. On the left is a dark blue sidebar with menu items: Status (with a globe icon and a dropdown arrow), Dashboard, Switchboard, and Telephony (with a phone icon and a dropdown arrow). The main content area has a status legend at the top: Idle (green circle), Ringing (orange circle), Busy (red circle), Offline (grey circle), and DND (red circle with a slash). Below the legend are two light blue rounded rectangular boxes. The first box contains '100 [100]' and a green circle followed by '192.168.0.15 [1 ms]'. The second box contains '103 [103]' and a green circle followed by '192.168.0.16 [68 ms]'.

- ◆ The ext 100 and ext 103 show offline status.



The screenshot shows the same web interface as above, but the status of the IP phones has changed. The status legend remains the same. The first box now shows '100 [100]' and a grey circle followed by '192.168.0.15 [0 ms]'. The second box now shows '103 [103]' and a grey circle followed by 'Offline'.



How to make a call to several extensions

How to make bidirectional audio to group

Case

- ◆ Select the Paging & Intercom, then chose the **Duplex Mode**, add several IP phones to **Group Members**. Be selected IP phones will ring at same time when caller dial **Group Number 0500**. The caller can talk to all IP phones with bidirectional audio immediately.



The screenshot shows a web interface for configuring a group. On the left is a dark blue sidebar menu with the following items: Telephony (with a dropdown arrow), Extensions, Inbound Control, Outbound Control, Audio Library, and Advanced Featur... (truncated). The main content area is white and contains the following fields:

- Group Number: 0500
- Name: test3
- Mode: Duplex (with a dropdown arrow)
- Group Members: Duplex (with a dropdown arrow)

At the bottom right of the form are two buttons: "Cancel" and "Submit".



How to record voice of extensions

How to record voice on both side

Step 1

- ◆ If wants to record voice in communicated call , to start from modify setting for user extensions page,then find the features page.

Edit 100



User Profiles **Features** Advanced

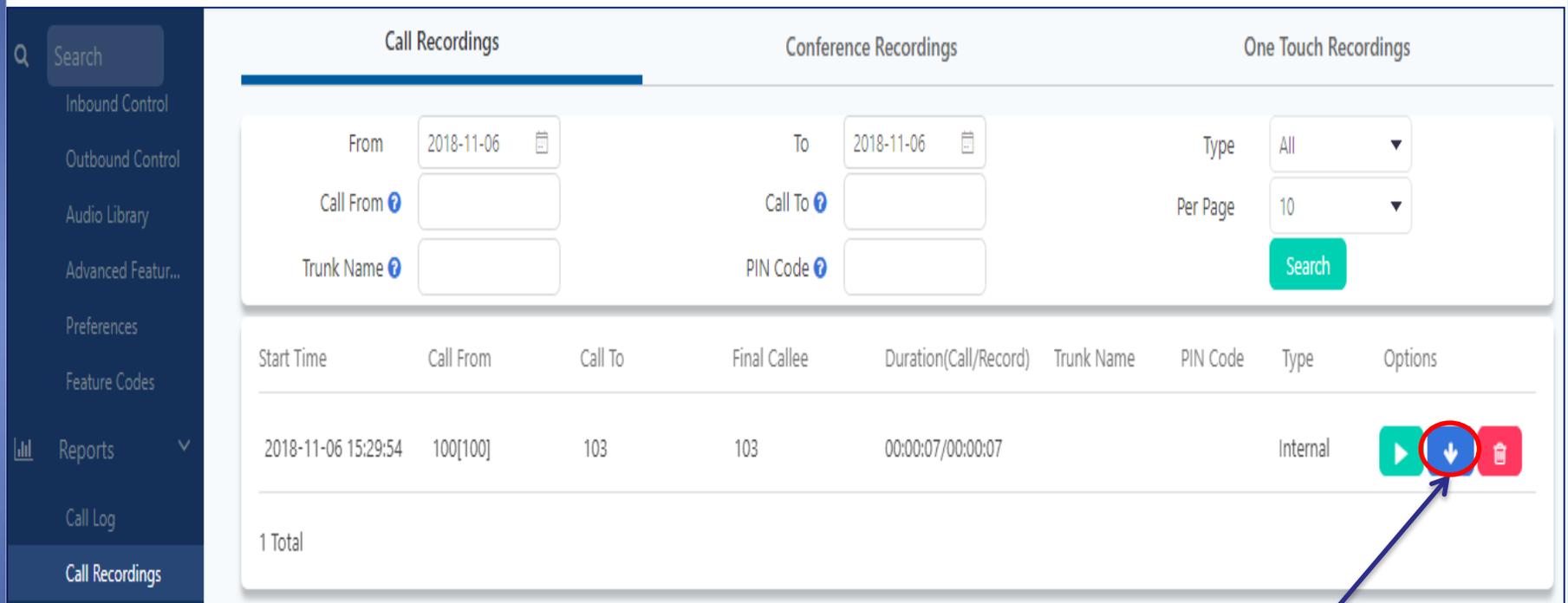
| | | | |
|--------------------|--|-------------------------------|---------------------------------------|
| Voicemail ? | <input checked="" type="checkbox"/> On | Voicemail Password ? | <input type="text" value="1234"/> |
| Remote Extension ? | <input type="checkbox"/> Off | Simultaneous Register Count ? | <input type="text" value="2"/> |
| Video Call ? | <input type="checkbox"/> Off | Video Codecs ? | <input type="text" value="H.264"/> |
| Web Portal ? | <input checked="" type="checkbox"/> On | Call Recording ? | <input type="text" value="Disabled"/> |
| Call Spy ? | <input type="checkbox"/> Off | Register Expiration ? | <input type="text" value="Inbound"/> |

Cancel Submit

How to record voice on both side

Step 2

- ◆ While ext 100 call to ext 103 later, can search this call record in Report of Call Recordings page.



| Start Time | Call From | Call To | Final Callee | Duration(Call/Record) | Trunk Name | PIN Code | Type | Options |
|---------------------|-----------|---------|--------------|-----------------------|------------|----------|----------|--|
| 2018-11-06 15:29:54 | 100[100] | 103 | 103 | 00:00:07/00:00:07 | | | Internal |    |

1 Total

Download audio file when press this icon. The file type is WAV.

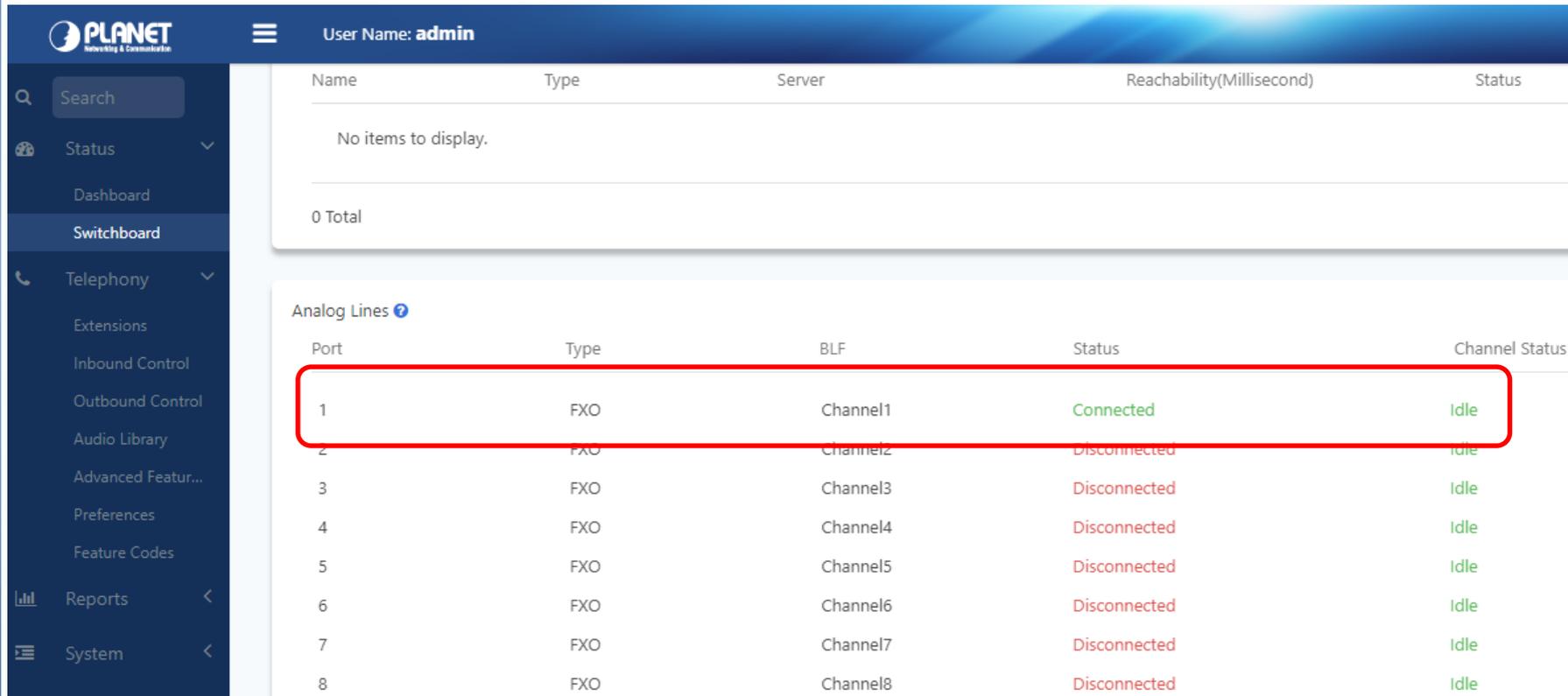


How to receive or dial call via FXO/GSM/WCDMA

How to receive or dial call via FXO/GSM/WCDMA

Step 1

- ◆ Check your status, confirm the FXO slot port is work.
- ◆ Path:Status > Swichboard > Trunks



The screenshot displays the PLANET web interface. The top navigation bar shows the user is logged in as 'admin'. The left sidebar contains a search bar and a menu with options: Status, Dashboard, Switchboard, Telephony, Extensions, Inbound Control, Outbound Control, Audio Library, Advanced Featur..., Preferences, Feature Codes, Reports, and System. The main content area shows a table with columns: Name, Type, Server, Reachability(Millisecond), and Status. Below this, there is a section for 'Analog Lines' with a table containing columns: Port, Type, BLF, Status, and Channel Status. The first row of the 'Analog Lines' table is highlighted with a red box.

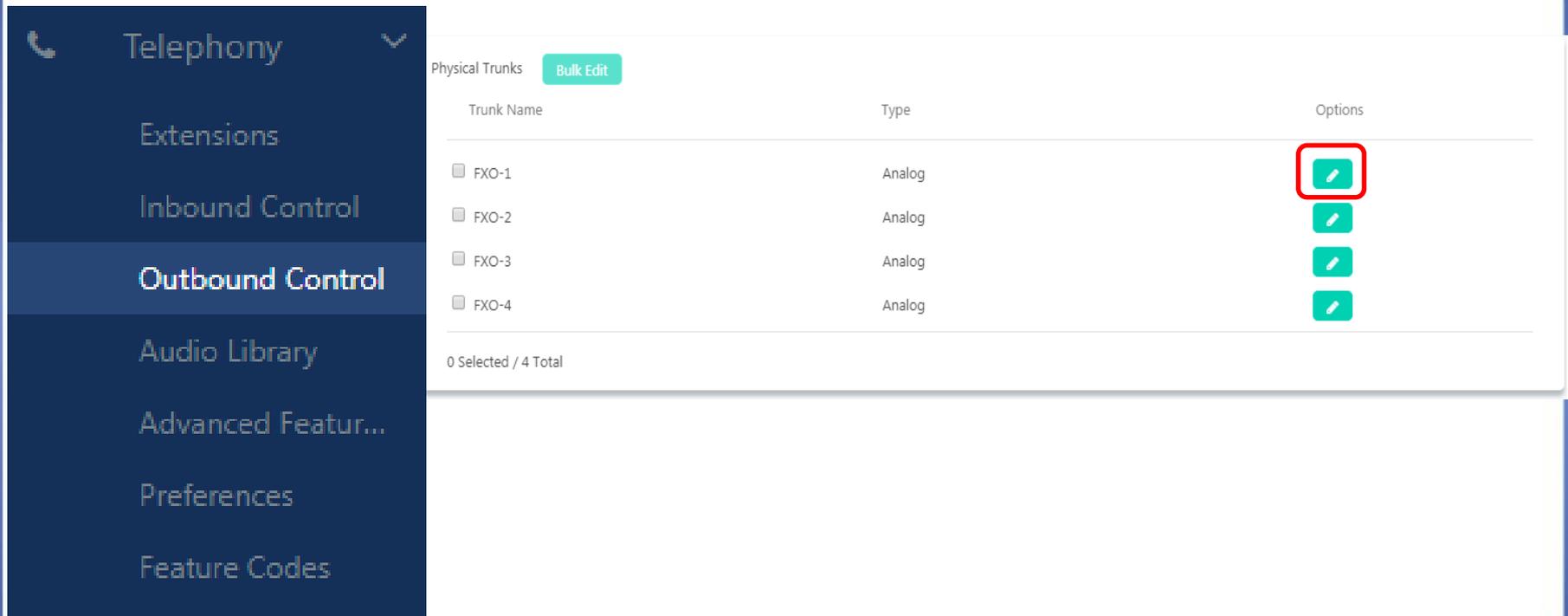
| Name | Type | Server | Reachability(Millisecond) | Status |
|----------------------|------|--------|---------------------------|--------|
| No items to display. | | | | |
| 0 Total | | | | |

| Port | Type | BLF | Status | Channel Status |
|------|------|----------|--------------|----------------|
| 1 | FXO | Channel1 | Connected | Idle |
| 2 | FXO | Channel2 | Disconnected | Idle |
| 3 | FXO | Channel3 | Disconnected | Idle |
| 4 | FXO | Channel4 | Disconnected | Idle |
| 5 | FXO | Channel5 | Disconnected | Idle |
| 6 | FXO | Channel6 | Disconnected | Idle |
| 7 | FXO | Channel7 | Disconnected | Idle |
| 8 | FXO | Channel8 | Disconnected | Idle |

How to receive or dial call via FXO/GSM/WCDMA

Step 2

- ◆ Check the trunk setting in connected FXO port.
- ◆ Path: Outbound Control > Trunks



Physical Trunks [Bulk Edit](#)

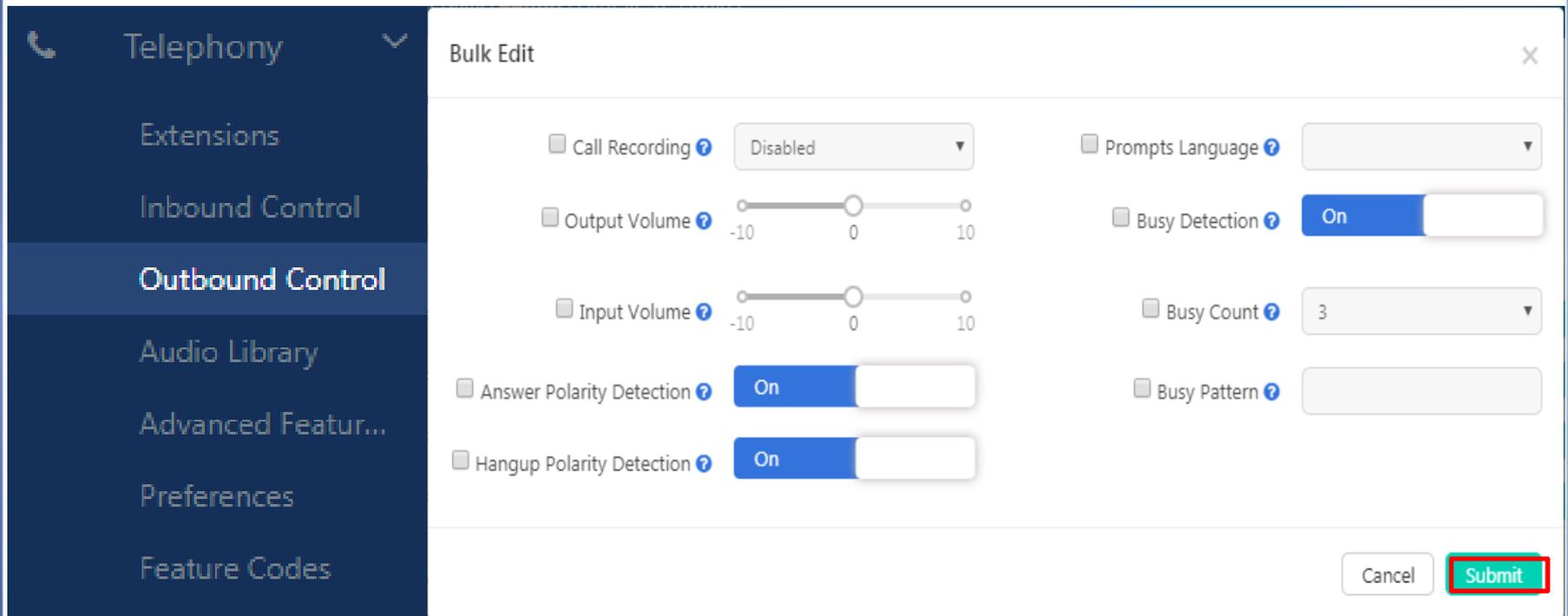
| Trunk Name | Type | Options |
|--------------------------------|--------|---|
| <input type="checkbox"/> FXO-1 | Analog |  |
| <input type="checkbox"/> FXO-2 | Analog |  |
| <input type="checkbox"/> FXO-3 | Analog |  |
| <input type="checkbox"/> FXO-4 | Analog |  |

0 Selected / 4 Total

How to receive or dial call via FXO/GSM/WCDMA

Step 3

- ◆ Check the trunk setting in connected FXO port.
- ◆ Path:Outbound Control > Trunks



Telephony

- Extensions
- Inbound Control
- Outbound Control**
- Audio Library
- Advanced Featur...
- Preferences
- Feature Codes

Bulk Edit

Call Recording ? Disabled

Output Volume ? -10 0 10

Input Volume ? -10 0 10

Answer Polarity Detection ? On

Hangup Polarity Detection ? On

Prompts Language ?

Busy Detection ? On

Busy Count ? 3

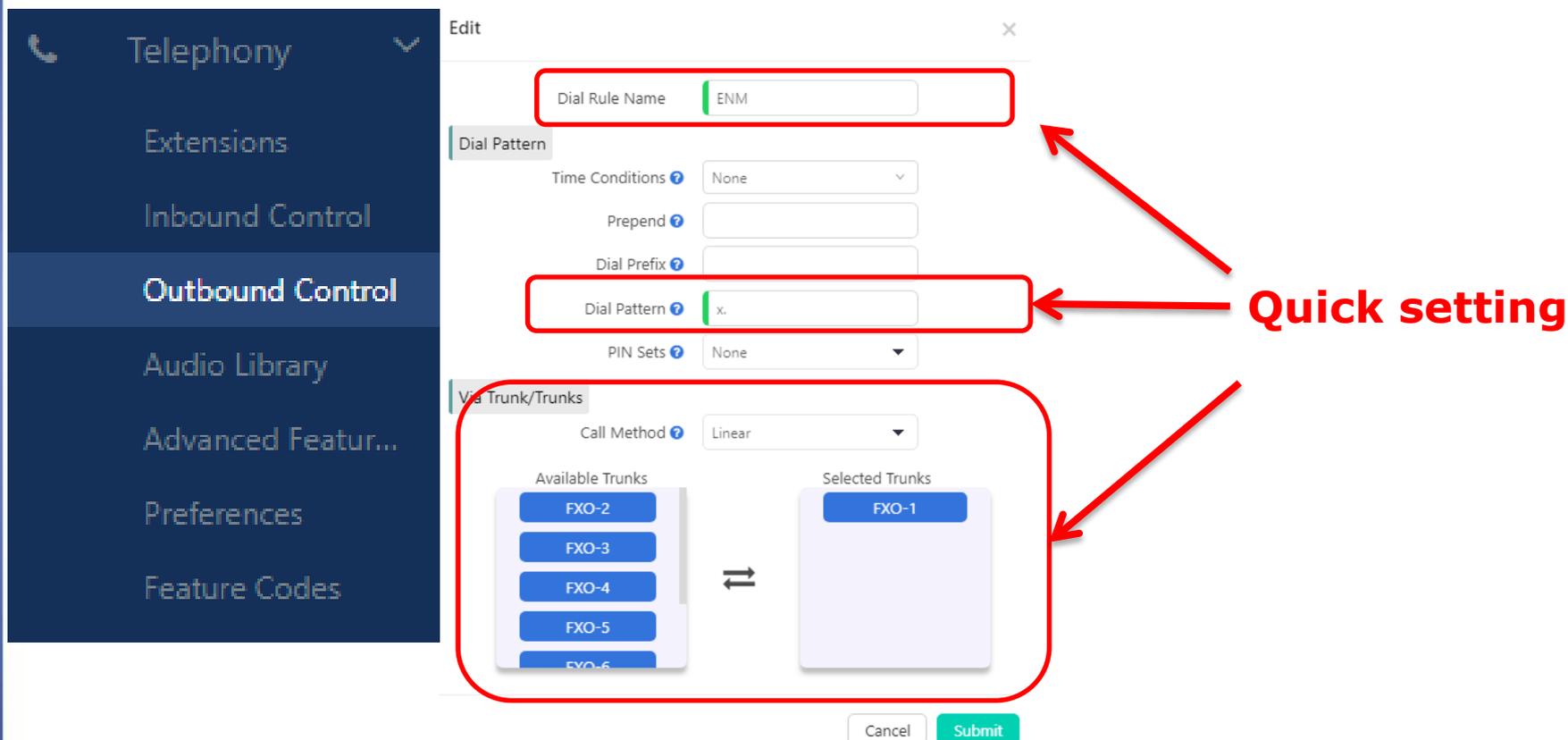
Busy Pattern ?

Cancel Submit

How to receive or dial call via FXO/GSM/WCDMA

Step 4

- ◆ Add the dial rules, Only three columns need to be set.
- ◆ Notice the pattern column rule set "x." for the quick setting.



Telephony

Extensions

Inbound Control

Outbound Control

Audio Library

Advanced Featur...

Preferences

Feature Codes

Edit x

Dial Rule Name ENM

Dial Pattern

Time Conditions None

Prepend

Dial Prefix

Dial Pattern x.

PIN Sets None

Via Trunk/Trunks

Call Method Linear

Available Trunks

FXO-2

FXO-3

FXO-4

FXO-5

FXO-6

Selected Trunks

FXO-1

Cancel Submit

Quick setting

How to receive or dial call via FXO/GSM/WCDMA

Step 5

- ◆ If want to incoming call forward to IVR, follow the screen.
- ◆ Path : Inbound Control > IVR

Add ✕

Name

Number

Voice Prompts

Loop Count

Dial Extension

Dial Permission

Events

How to receive or dial call via FXO/GSM/WCDMA

Step 6

- ◆ If want to incoming call forward to group, you need add several phones to departments. Wait incoming call the departments extentions number from outside will forward to the correspond group.

| Departments | IP Extensions | Analog Extensions | Phone Provisioning | Expansion Box | | | | | |
|--|----------------------|--------------------|--------------------|---------------|----------|----------|----------|---|---|
| <div style="border: 1px solid red; padding: 2px; display: inline-block; margin-bottom: 5px;">Add</div> | | | | | | | | | |
| Department Name | Department Extension | Department Members | | | | Options | | | |
| dpt1 | 0400 | John Doe[...] | 101[101] | 102[102] | 103[103] | 104[104] | 105[105] |   | |
| | | | 106[106] | 107[107] | 108[108] | 109[109] | | | |
| dpt2 | 0401 | | 110[110] | 111[111] | 112[112] | 113[113] | 114[114] | 115[115] |   |
| | | | 116[116] | 117[117] | 118[118] | 119[119] | | | |
| dpt3 | 0402 | | 120[120] | 121[121] | 122[122] | 123[123] | 124[124] | 125[125] |   |
| | | | 126[126] | 127[127] | 128[128] | 129[129] | | | |
| dpt4 | 0403 | | 130[130] | 131[131] | 132[132] | 133[133] | 134[134] | 135[135] |   |
| | | | 136[136] | 137[137] | 138[138] | 139[139] | | | |
| dpt5 | 0404 | | 140[140] | 141[141] | 142[142] | 143[143] | 144[144] | 145[145] |   |
| | | | 146[146] | 147[147] | 148[148] | 149[149] | | | |

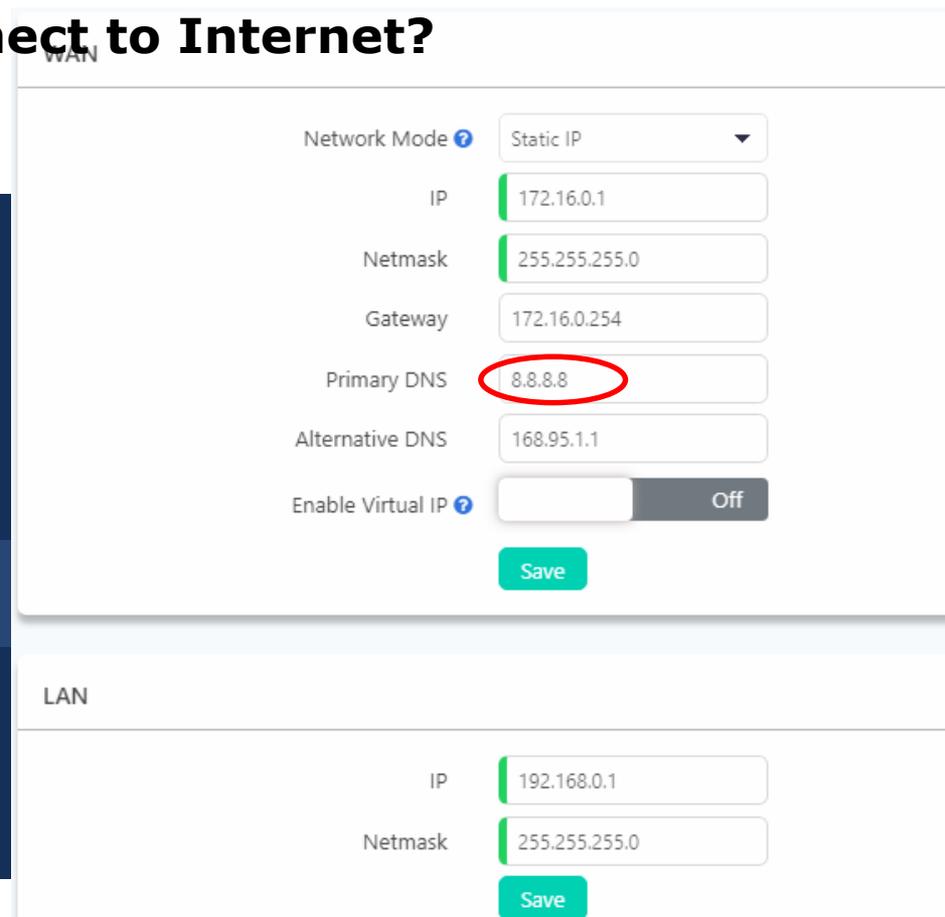
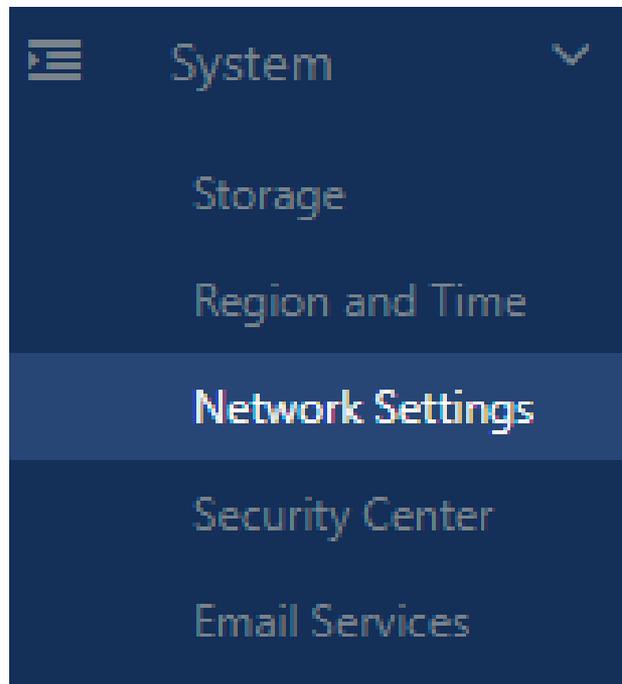


How to leave a message to voice mail

How to leave a message to voice mail

Step 1

- ◆ Before use this function need check two points:
- ◆ 1. IP PBX does connect to Internet?
- ◆ 2. Does set DNS?



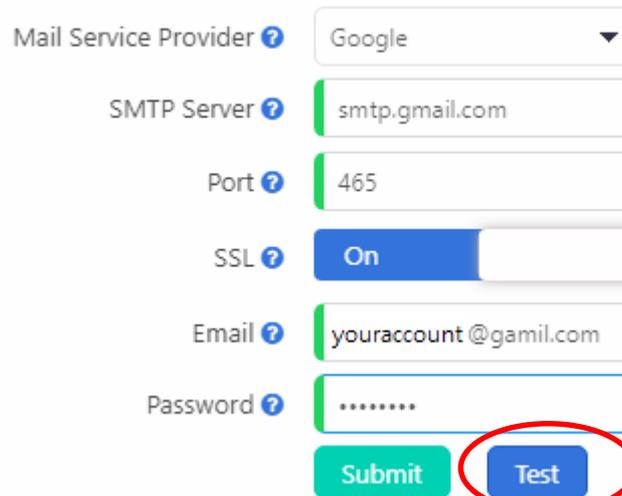
A screenshot of the WAN and LAN network configuration pages. The WAN page is at the top, showing settings for Network Mode (Static IP), IP (172.16.0.1), Netmask (255.255.255.0), Gateway (172.16.0.254), Primary DNS (8.8.8.8, circled in red), Alternative DNS (168.95.1.1), and Enable Virtual IP (Off). A green Save button is at the bottom. The LAN page is at the bottom, showing settings for IP (192.168.0.1) and Netmask (255.255.255.0). A green Save button is at the bottom.

How to leave a message to voice mail

Step 2

- ◆ **Modify setting in SMTP setting, this case we use Google's SMTP server for example.**

Mail Server Settings ?

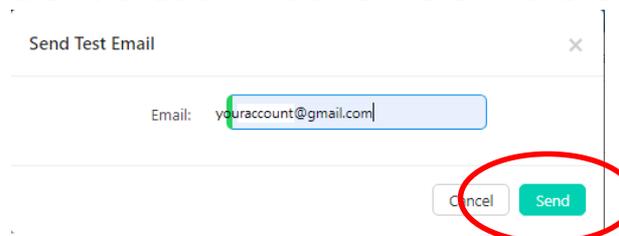


The screenshot shows a 'Mail Server Settings' form with the following fields and values:

- Mail Service Provider: Google
- SMTP Server: smtp.gmail.com
- Port: 465
- SSL: On
- Email: youraccount@gamil.com
- Password:

At the bottom of the form, there are two buttons: a green 'Submit' button and a blue 'Test' button. The 'Test' button is circled in red.

- ◆ **Press Send Test button to check does.**



The screenshot shows a 'Send Test Email' dialog box with the following content:

- Title: Send Test Email
- Email field: youraccount@gmail.com
- Buttons: Cancel and Send

The 'Send' button is circled in red.

How to leave a message to voice mail

Step 3

- ◆ **Add e-mail to extension. Any IP phone can leave voice message when this extension no answer.**

Edit 100



User Profiles | **Features** | Advanced

| | | | |
|--------------------|-------------------------------------|-------------------------------|---|
| Voicemail ? | <input checked="" type="checkbox"/> | Voicemail Password ? | <input type="text" value="1234"/> |
| Remote Extension ? | <input type="text"/> | Simultaneous Register Count ? | <input type="text" value="2"/> |
| Video Call ? | <input type="text"/> Off | Video Codecs ? | <input type="text" value="H.264"/> |
| Web Portal ? | <input type="text"/> Off | Call Recording ? | <input type="text" value="In & Out"/> |
| Call Spy ? | <input type="text"/> Off | Register Expiration ? | <input type="text" value="120"/> |

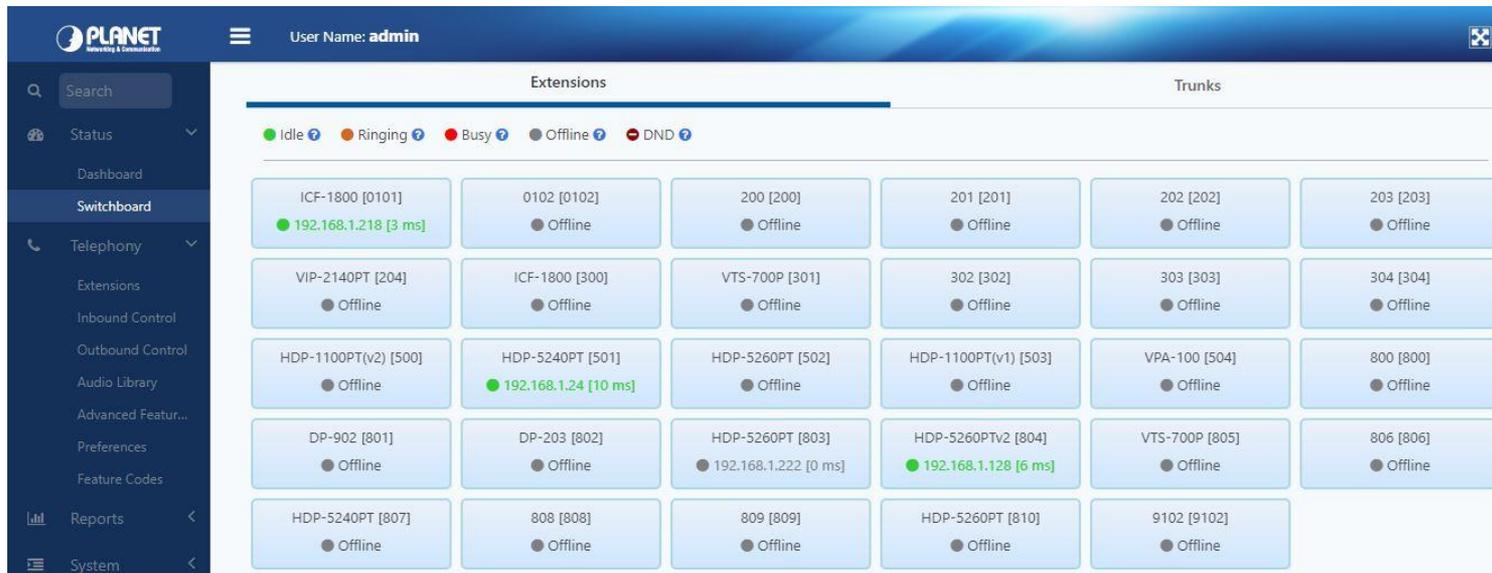
- ◆ **User receive e-mail to know who call to this extension.**

How to add BLF function to IP phone

How to show phone status on operator's panel

Step 1

- ◆ This case we use VIP-5060PT and VIP-EXT-26 to explain it.
- ◆ It's current extension status on IP PBX.



The screenshot shows the PLANET IP PBX operator's panel. The top navigation bar includes the PLANET logo, a menu icon, and the user name 'admin'. The main content area is titled 'Extensions' and displays a grid of extension status cards. A legend at the top indicates status colors: Idle (green), Ringing (orange), Busy (red), Offline (grey), and DND (red with slash). The grid shows various extensions with their current status and IP addresses where applicable.

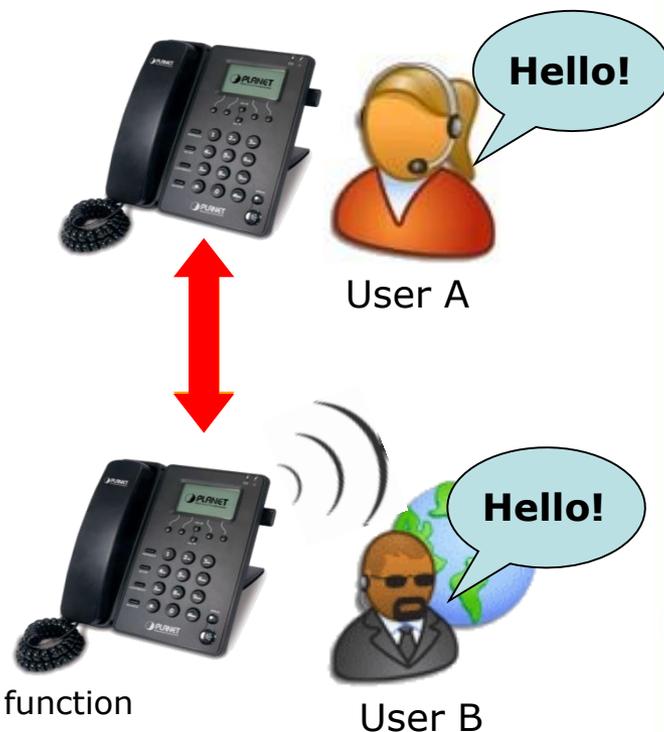
| Extensions | | | | Trunks | |
|--|---|---|---|-----------------------------|------------------------|
| ICF-1800 [0101] ● Idle [192.168.1.218 [3 ms]] | 0102 [0102] ● Offline | 200 [200] ● Offline | 201 [201] ● Offline | 202 [202] ● Offline | 203 [203] ● Offline |
| VIP-2140PT [204] ● Offline | ICF-1800 [300] ● Offline | VTS-700P [301] ● Offline | 302 [302] ● Offline | 303 [303] ● Offline | 304 [304] ● Offline |
| HDP-1100PT(v2) [500] ● Offline | HDP-5240PT [501] ● Idle [192.168.1.24 [10 ms]] | HDP-5260PT [502] ● Offline | HDP-1100PT(v1) [503] ● Offline | VPA-100 [504] ● Offline | 800 [800] ● Offline |
| DP-902 [801] ● Offline | DP-203 [802] ● Offline | HDP-5260PT [803] ● Busy [192.168.1.222 [0 ms]] | HDP-5260PTv2 [804] ● Idle [192.168.1.128 [6 ms]] | VTS-700P [805] ● Offline | 806 [806] ● Offline |
| HDP-5240PT [807] ● Offline | 808 [808] ● Offline | 809 [809] ● Offline | HDP-5260PT [810] ● Offline | 9102 [9102] ● Offline | |

Product Features - **BLF**

Step 2

◆ BLF (Busy Lamp Field) Application

- ✓ **IDLE: Green LED (Light Up)**
- ✓ **Ringing: Red LED (Blinking)**
- ✓ **Talking: Red LED (Light Up)**



* BLF function needs to arrange with IP PBX that supports BLF function

How to show phone status on operator's panel

Step 3

- ◆ VIP-5060PT connected VIP-EXT-26 and modify BLF setting to EXT KEY page.

VIP-5060PT

FUNCTION KEY EXT KEY SOFTKEY

Expansion Module Selection

Expansion Module 1 Connected

| Key | Type | Value | Line | Subtype | Pickup Number |
|-----|------------|-------|------|---------|---------------|
| F 1 | Memory Key | 801 | SIP1 | BLF | |
| F 2 | None | | AUTO | None | |
| F 3 | Memory Key | 805 | SIP1 | BLF | |
| F 4 | None | | AUTO | None | |
| F 5 | Memory Key | 810 | SIP1 | BLF | |
| F 6 | None | | AUTO | None | |
| F 7 | Memory Key | 811 | SIP1 | BLF | |
| F 8 | None | | AUTO | None | |

Navigation: BASIC, NETWORK, VoIP, PHONE, FUNCTION KEY

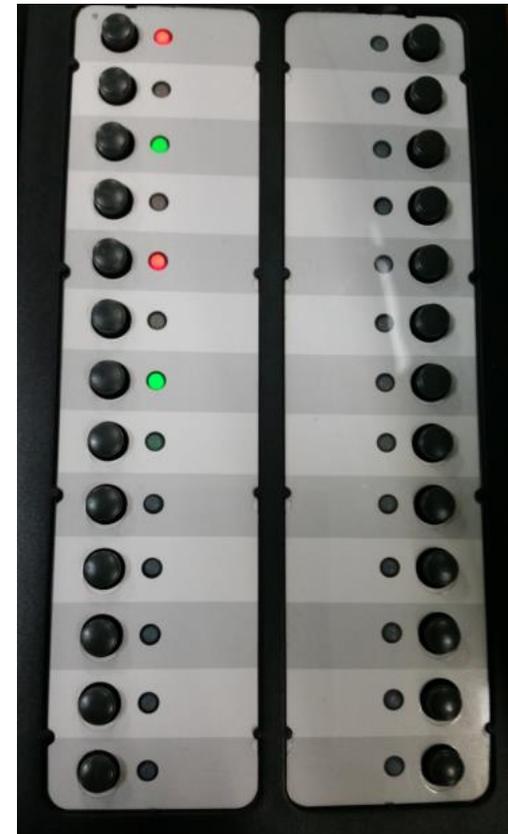
How to show phone status on operator's panel

Step 4

- ◆ Modified EXT KEY setting later show LED status on. VIP-EXT-26



The ext 810 call 801 show **in-use** or ringing status



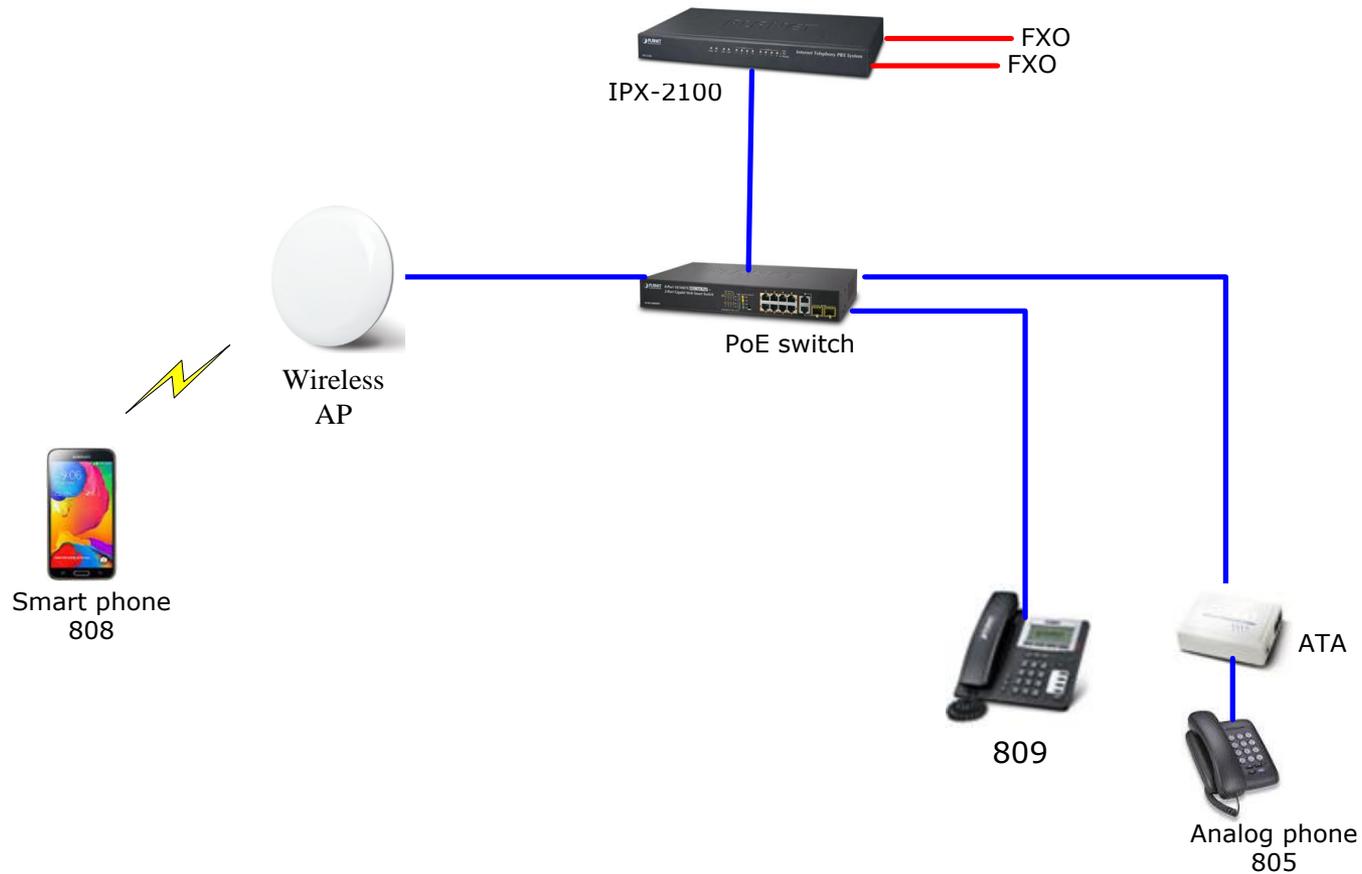


How to use smart phone talk to other via IP PBX

How to use smart phone talk to other via IP PBX

Step 1

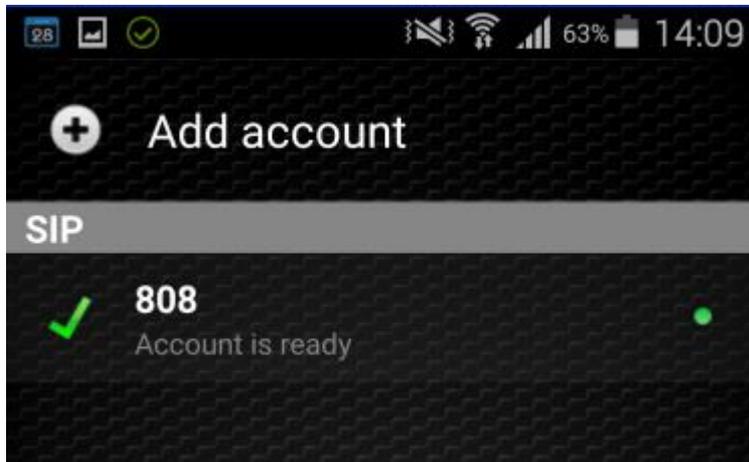
- Smart phone connect to IP PBX via wireless AP.



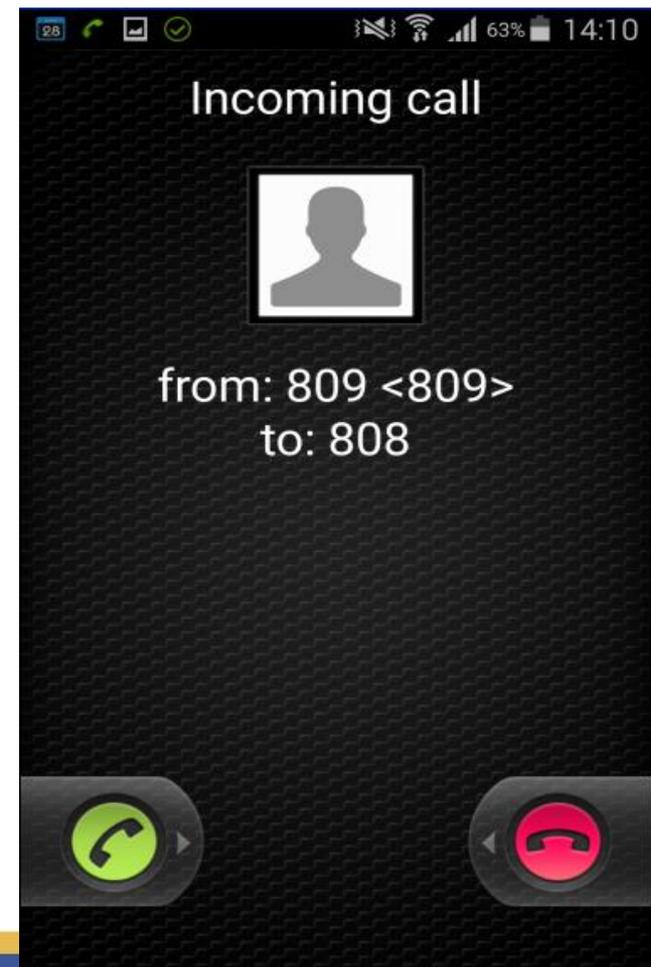
How to use smart phone talk to other via IP PBX

Step 2

Smart phone register to IP PBX via Zoiper app.



Ext. 809 call to smart phone



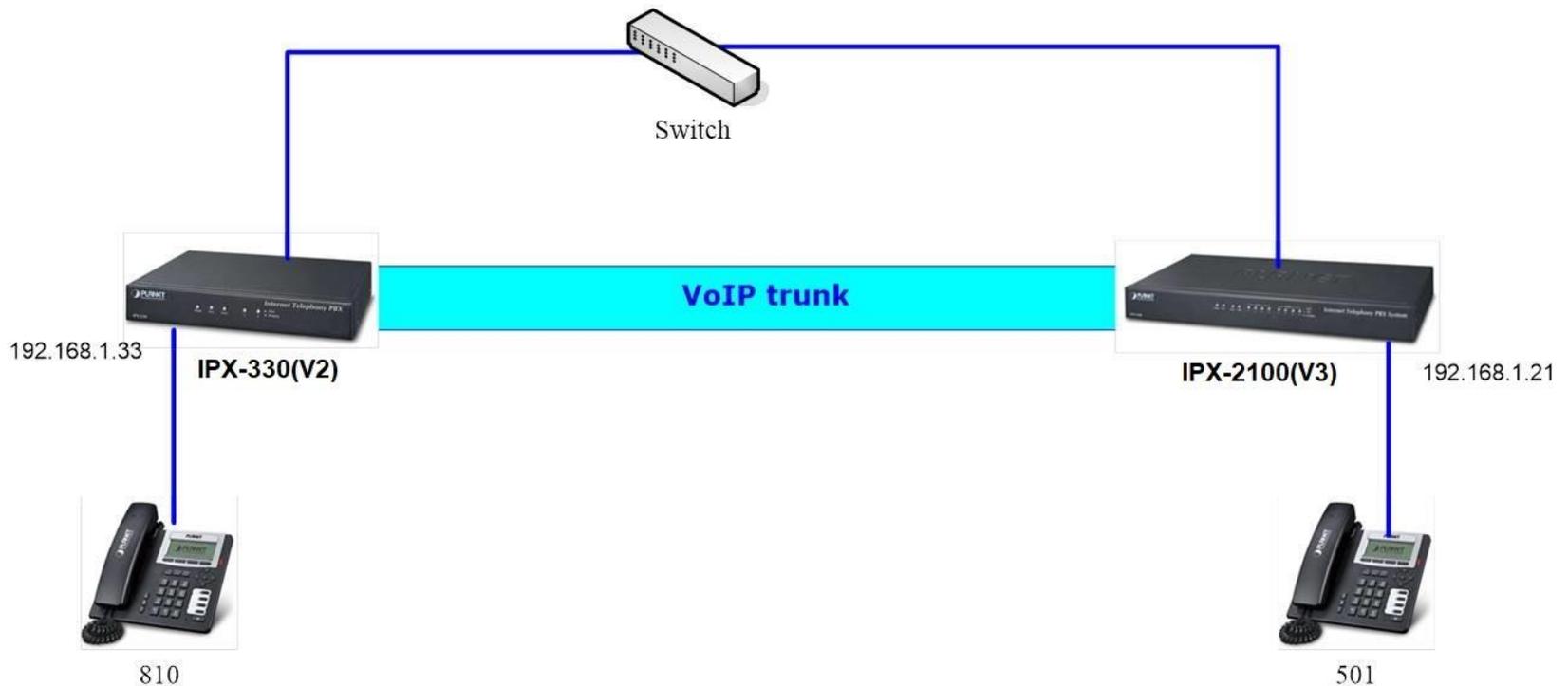


How to integrate two IP PBX via VoIP trunk

How to integrate two IP PBX via VoIP trunk

Step 1

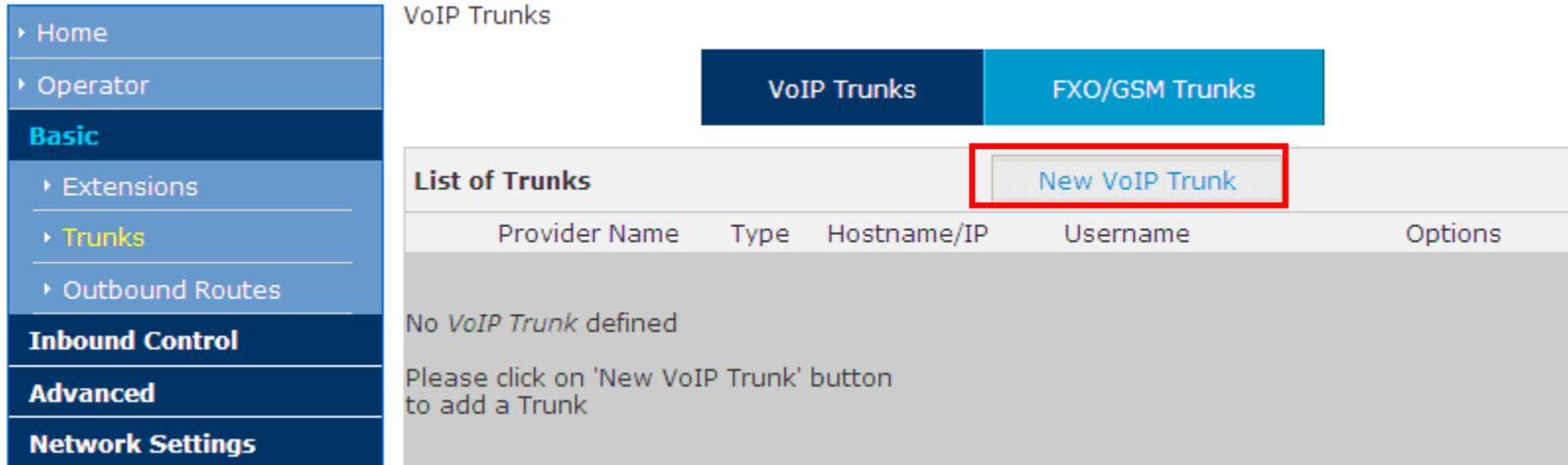
- ◆ To avoid same extension range make interference so two IP PBX use different extension range.



How to integrate two IP PBX via VoIP trunk

Step 2

- ◆ At first, add VoIP trunk on IPX-330.



VoIP Trunks

VoIP Trunks FXO/GSM Trunks

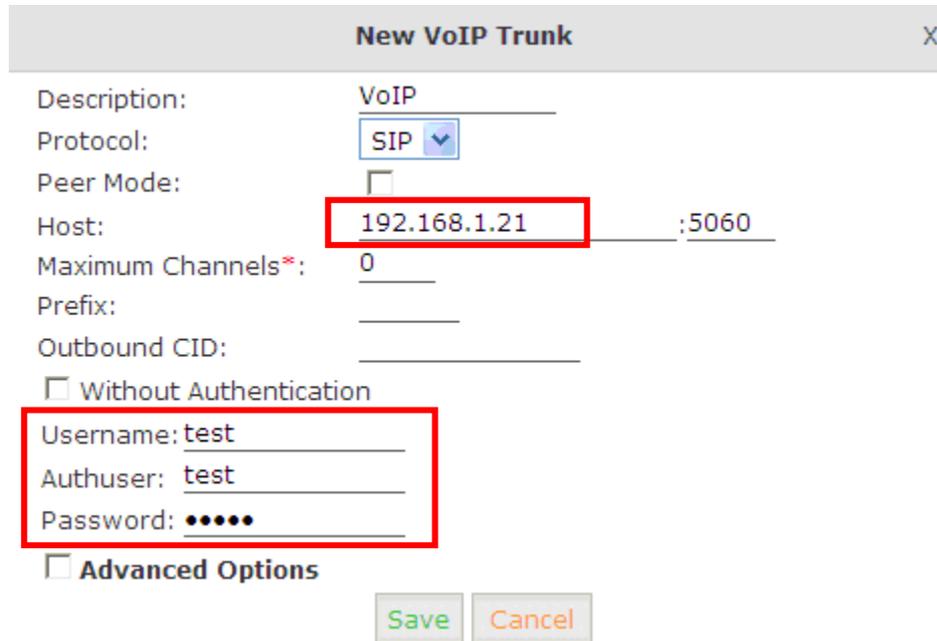
List of Trunks [New VoIP Trunk](#)

| Provider Name | Type | Hostname/IP | Username | Options |
|--|------|-------------|----------|---------|
| No VoIP Trunk defined | | | | |
| Please click on 'New VoIP Trunk' button to add a Trunk | | | | |

How to integrate two IP PBX via VoIP trunk

Step 3

- ◆ Fill IPX-2100's WAN IP to host field.



New VoIP Trunk X

Description: VoIP

Protocol: SIP

Peer Mode:

Host: 192.168.1.21 :5060

Maximum Channels*: 0

Prefix: _____

Outbound CID: _____

Without Authentication

Username: test

Authuser: test

Password: *****

Advanced Options

Save Cancel

- ◆ Fill username and password to the field.

How to integrate two IP PBX via VoIP trunk

Step 4

- ◆ The IPX-2100 also need establish VoIP trunk to IPX-330.

Basic Settings **Additional Options**

| | | | | | |
|------------------|---|--------------------------|--|----------------------------------|-----|
| Fax Detect ? | <input type="checkbox"/> | Off | Qualify ? | <input type="text" value="120"/> | |
| SRTP ? | <input type="checkbox"/> | Off | NAT Support ? | <input type="checkbox"/> | Off |
| Client URI ? | <input type="text" value="sip:test@192.168.1.33:5060"/> | Transport Protocol ? | <input type="text" value="UDP"/> | | |
| Server URI ? | <input type="text" value="sip:192.168.1.33:5060"/> | Prompts Language ? | <input type="text" value="English"/> | | |
| AOR Contact ? | <input type="text" value="sip:test@192.168.1.33:5060"/> | Simultaneous Call ? | <input type="text"/> | | |
| Call Recording ? | <input type="text" value="Disabled"/> | Preferred Outbound CID ? | <input type="text" value="Extension"/> | | |
| From User ? | <input type="text" value="test"/> | Outbound CID ? | <input type="text"/> | | |
| From Domain ? | <input type="text" value="192.168.1.33"/> | Dial Permission ? | <input type="text" value="Default"/> | | |
| DTMF Mode ? | <input type="text" value="Auto"/> | Video Codecs | <input type="text" value="None"/> | | |
| Send PAI | <input checked="" type="checkbox"/> | Send RPID | <input type="checkbox"/> | Off | |
| RTP Timeout ? | <input type="text" value="60"/> | | | | |

- ◆ Fill username, Domain IP and IPX-330's WAN IP to the field. Also checked the Advanced Options as above.

How to integrate two IP PBX via VoIP trunk

Step 6

- ◆ In IPX-2100's outbound routes add dial rule. Because of IPX-330's extension number is 5xx, so custom pattern need set 5X.

The screenshot displays the PLANET IP PBX web interface. The user is logged in as 'admin'. The main navigation menu on the left includes: Search, Status, Dashboard, Switchboard, Telephony, Extensions, Inbound Control, Outbound Control, Audio Library, Advanced Features, Preferences, Feature Codes, Reports, System, and Maintenance. The 'Outbound Control' section is active, showing a list of 'Dial Rules' with an 'Add' button. The 'Dial Rules' configuration form is open, showing the following fields: 'Dial Rule Name' (empty), 'Dial Pattern' (set to '5x', highlighted with a red box), 'Time Rules' (set to 'None'), 'Prepend' (empty), 'Dial Prefix' (empty), 'PIN Sets' (set to 'None'), 'Outbound CID' (empty), 'Call Time limit(Sec)' (set to '60-3600'), and 'Via Trunk/Trunks' section with 'Call Method' set to 'Linear'. Below the form, there are two sections: 'Available Trunks' containing 'FXO-1', 'FXO-2', and 'FXO-3' buttons, and 'Selected Trunks' which is currently empty.

How to integrate two IP PBX via VoIP trunk

Step 7

- ◆ In IPX-2100's dial permission add this dial rule.

The screenshot displays the PLANET IPX-2100 web interface. The user is logged in as 'admin'. The main navigation menu on the left includes: Status, Dashboard, Switchboard, Telephony, Extensions, Inbound Control, Outbound Control, Audio Library, Advanced Featur..., Preferences, Feature Codes, Reports, System, and Maintenance. The main content area is titled 'Dial Permission' and contains several sections:

- Trunks**: A list of trunks with an 'Add' button and a '1 Total' count.
- Dial Rules**: A section with an 'Available Rules' box containing a 'Test' button and an empty 'Selected Rules' box, connected by a double-headed arrow.
- Internal Permissions**: A list of permissions with toggle switches. The 'Extension' permission is highlighted with a red box and is currently set to 'On'. Other permissions include Department, Conference, DISA, Feature Codes, IVR, and Audio Console.
- Paging & Intercom**: A list of permissions with toggle switches, including Call Parking, Call Pickup, Call Queue, Call Spy, and Seize CO Line.

How to integrate two IP PBX via VoIP trunk

Step 8

- ◆ In IPX-330's outbound routes add dial rule. Because of IPX-2100's extension number is 8xx, so custom pattern need set 8X.

DialRules

Home

Operator

Basic

Extensions

Trunks

Outbound Routes

Inbound Control

Advanced

Network Settings

Security

Report

System

Edit

Rule Name: internal call

PIN Set:

Call Duration Limit: _____ seconds

Time Rule:

Place this call through:

Available Trunks

Selected Trunks: VOIP(SIP)

Custom Pattern: 8X.

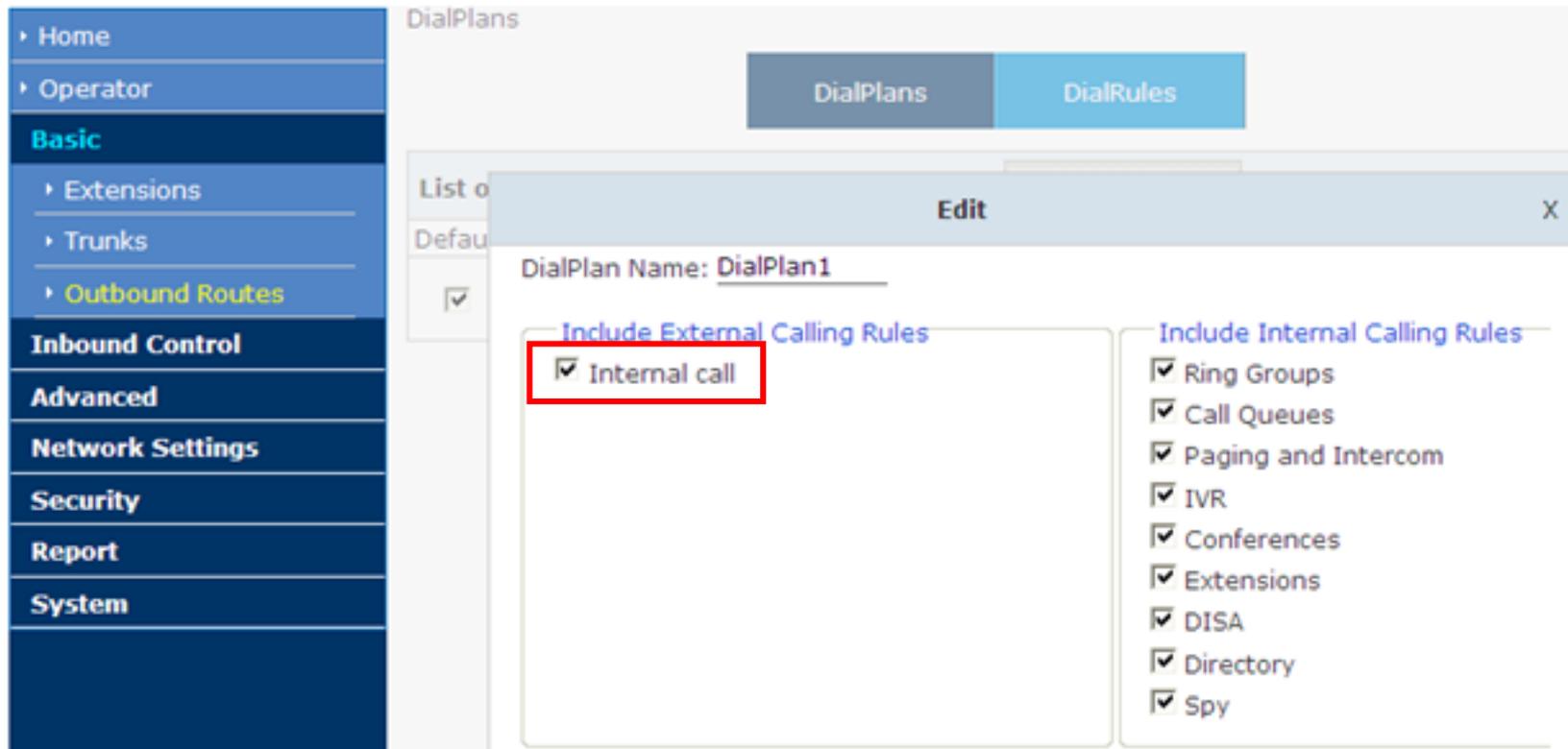
Z Any digit from 1 to 9
N Any digit from 2 to 9
X Any digit from 0 to 9
. Any number of additional digits

Delete 0 digits prefix from the front and auto-add digit before dialing

How to integrate two IP PBX via VoIP trunk

Step 9

- ◆ In IPX-330's dial plan add this dial rule.



The screenshot shows the 'DialPlans' configuration page in the IPX-330 web interface. The left sidebar contains navigation menus: Home, Operator, Basic (selected), Extensions, Trunks, Outbound Routes, Inbound Control, Advanced, Network Settings, Security, Report, and System. The main content area is titled 'DialPlans' and has two tabs: 'DialPlans' and 'DialRules'. Below the tabs is a 'List of' section with a 'Default' checkbox and a 'DialPlan Name: DialPlan1' field. The 'DialRules' tab is active, showing two columns of settings. The 'Include External Calling Rules' column has a red box around the 'Internal call' checkbox, which is checked. The 'Include Internal Calling Rules' column has several other checkboxes checked: Ring Groups, Call Queues, Paging and Intercom, IVR, Conferences, Extensions, DISA, Directory, and Spy.

- ◆ Now IPX-330's extension 501 can dial to IPX-2100's extension 810, and extension 810 also can dial to 501.



How to set up two different ring tones for the two extensions.

How to set up two different ring tones for the two extensions

Step 1

- ◆ Add extension number 100 on IPX -2100(V3).

Edit 100



User Profiles

Features

Advanced

Name

ICF-1800(Account1)

Mobile Number

Password (Weak) ?

100100

Dial Permission ?

DialPlan1

Email ?

Language ?

English

Outbound CID ?

Music On Hold

default

Cancel

Submit

How to set up two different ring tones for the two extensions

Step 2

- ◆ Add extension number 200 on IPX -2100(V3).

Edit 200

User Profiles

Features

Advanced

Name ICF-1800(Account2)

Mobile Number

Password (Weak) ? 200200

Dial Permission ? DialPlan1

Email ?

Language ? English

Outbound CID ?

Music On Hold default

Cancel

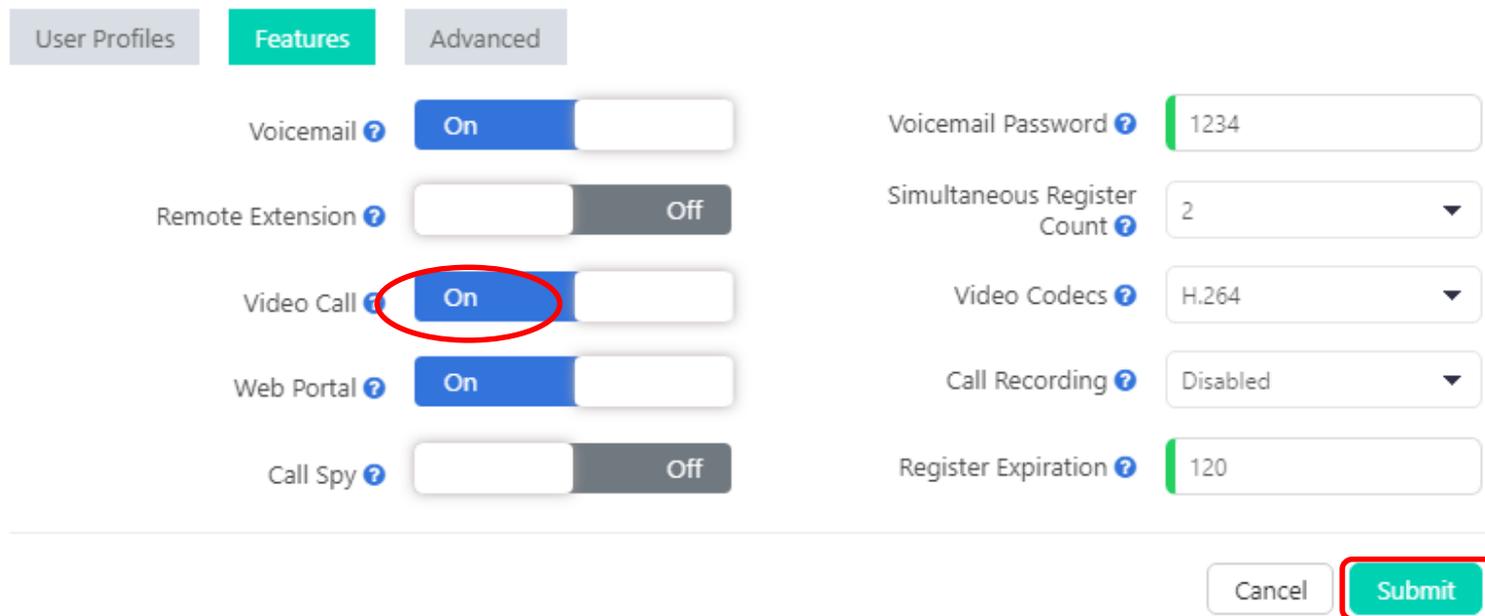
Submit

How to set up two different ring tones for the two extensions

Step 3

- ◆ **If your terminal equipment support video call, you may need this configuration as below.**
- ◆ **Path > Extensions > Add or Edit > Features**

Edit 100



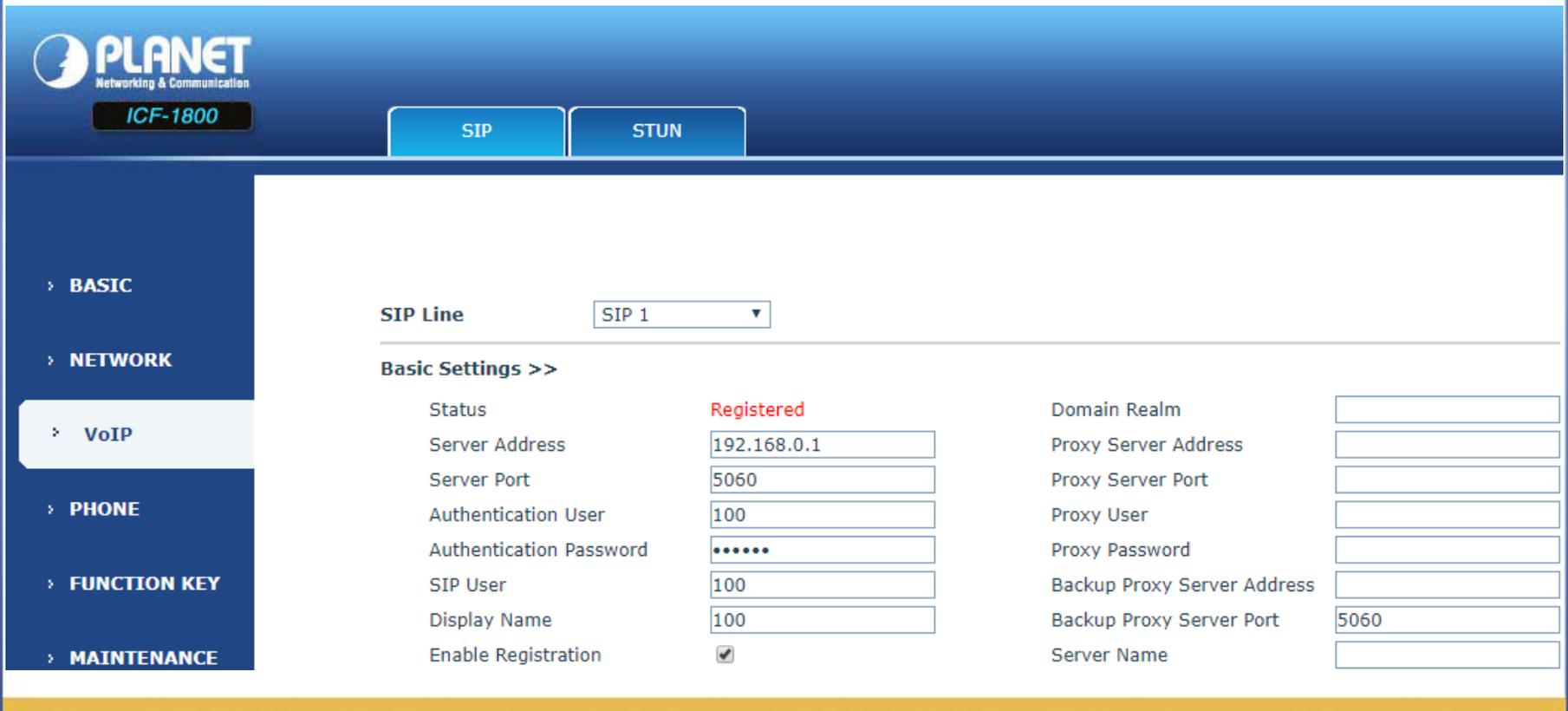
User Profiles | **Features** | Advanced

| | | | |
|--------------------|--|-------------------------------|---------------------------------------|
| Voicemail ? | <input checked="" type="checkbox"/> On | Voicemail Password ? | <input type="text" value="1234"/> |
| Remote Extension ? | <input type="checkbox"/> Off | Simultaneous Register Count ? | <input type="text" value="2"/> |
| Video Call ? | <input checked="" type="checkbox"/> On | Video Codecs ? | <input type="text" value="H.264"/> |
| Web Portal ? | <input checked="" type="checkbox"/> On | Call Recording ? | <input type="text" value="Disabled"/> |
| Call Spy ? | <input type="checkbox"/> Off | Register Expiration ? | <input type="text" value="120"/> |

How to set up two different ring tones for the two extensions

Step 4

- ◆ Add SIP 1 account in this screen and registered.



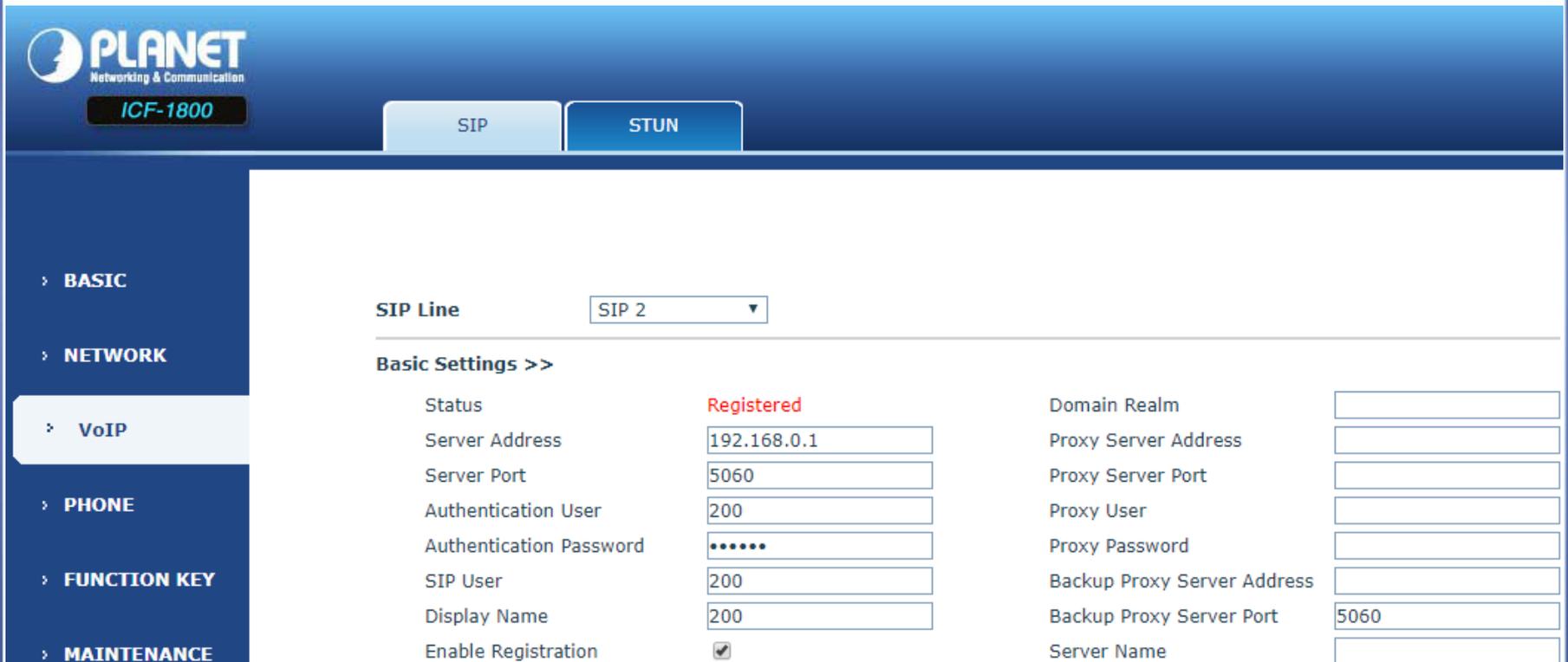
The screenshot shows the PLANET ICF-1800 configuration interface. The top navigation bar includes the PLANET logo and the model number ICF-1800. Below this are two tabs: SIP (selected) and STUN. A left sidebar contains a menu with categories: BASIC, NETWORK, VoIP (highlighted), PHONE, FUNCTION KEY, and MAINTENANCE. The main content area is titled 'SIP Line' with a dropdown menu set to 'SIP 1'. Underneath, there is a 'Basic Settings >>' section containing a grid of configuration fields:

| | | | |
|-------------------------|--|-----------------------------|-----------------------------------|
| Status | Registered | Domain Realm | <input type="text"/> |
| Server Address | <input type="text" value="192.168.0.1"/> | Proxy Server Address | <input type="text"/> |
| Server Port | <input type="text" value="5060"/> | Proxy Server Port | <input type="text"/> |
| Authentication User | <input type="text" value="100"/> | Proxy User | <input type="text"/> |
| Authentication Password | <input type="password" value="*****"/> | Proxy Password | <input type="password"/> |
| SIP User | <input type="text" value="100"/> | Backup Proxy Server Address | <input type="text"/> |
| Display Name | <input type="text" value="100"/> | Backup Proxy Server Port | <input type="text" value="5060"/> |
| Enable Registration | <input checked="" type="checkbox"/> | Server Name | <input type="text"/> |

How to set up two different ring tones for the two extensions

Step 5

- ◆ Add SIP 2 account in this screen and registered.



The screenshot shows the PLANET ICF-1800 configuration web interface. The top navigation bar includes the PLANET logo, the model number 'ICF-1800', and tabs for 'SIP' and 'STUN'. A left-hand menu contains categories: BASIC, NETWORK, VoIP (highlighted), PHONE, FUNCTION KEY, and MAINTENANCE. The main content area is titled 'SIP Line' with a dropdown menu set to 'SIP 2'. Below this is a 'Basic Settings >>' section containing a grid of configuration fields:

| | | | |
|-------------------------|--|-----------------------------|-----------------------------------|
| Status | Registered | Domain Realm | <input type="text"/> |
| Server Address | <input type="text" value="192.168.0.1"/> | Proxy Server Address | <input type="text"/> |
| Server Port | <input type="text" value="5060"/> | Proxy Server Port | <input type="text"/> |
| Authentication User | <input type="text" value="200"/> | Proxy User | <input type="text"/> |
| Authentication Password | <input type="password" value="*****"/> | Proxy Password | <input type="password"/> |
| SIP User | <input type="text" value="200"/> | Backup Proxy Server Address | <input type="text"/> |
| Display Name | <input type="text" value="200"/> | Backup Proxy Server Port | <input type="text" value="5060"/> |
| Enable Registration | <input checked="" type="checkbox"/> | Server Name | <input type="text"/> |

How to set up two different ring tones for the two extensions

Step 6

Use the phone Planet ICF-1800 of LCD control screen.

Path: Call > Account

For example:

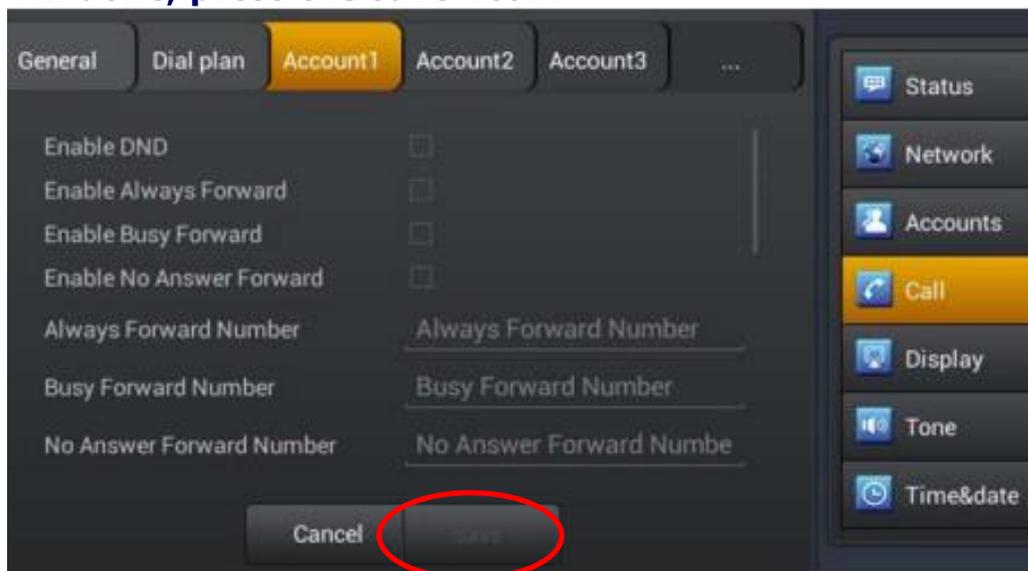
Account 1 = SIP 1 number (100)

Select line Tone (chose your ringtone for SIP 1)

Account 2 = SIP 2 number (102)

Select line Tone (chose your ringtone for SIP 2)

All done, press the save icon.



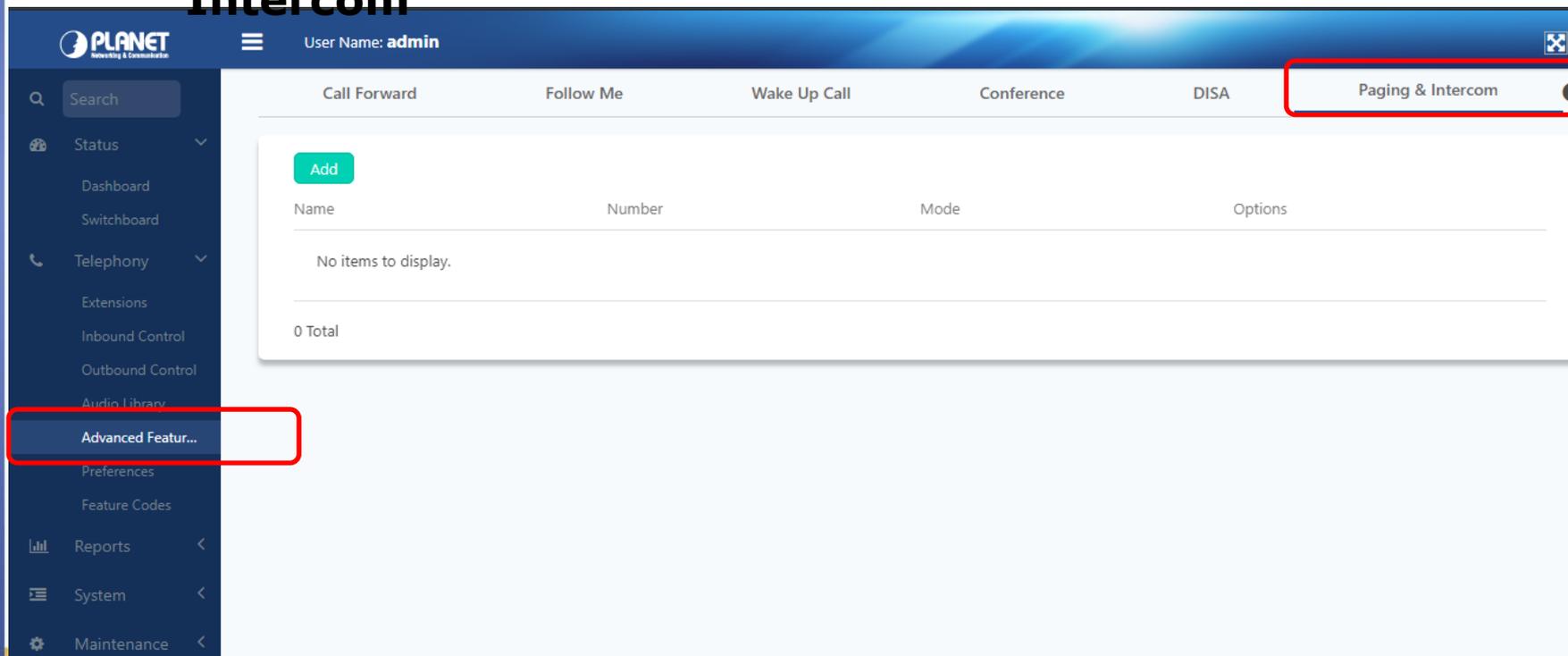


How to set up VPA-100 broadcast on IP-PBX

How to set up VPA-100 broadcast on IP-PBX

Step 1

- ◆ If you need a phone call to broadcast the Sound via VPA-100, please see below.
- ◆ Path : Telephony > Advanced Features > Paging & Intercom

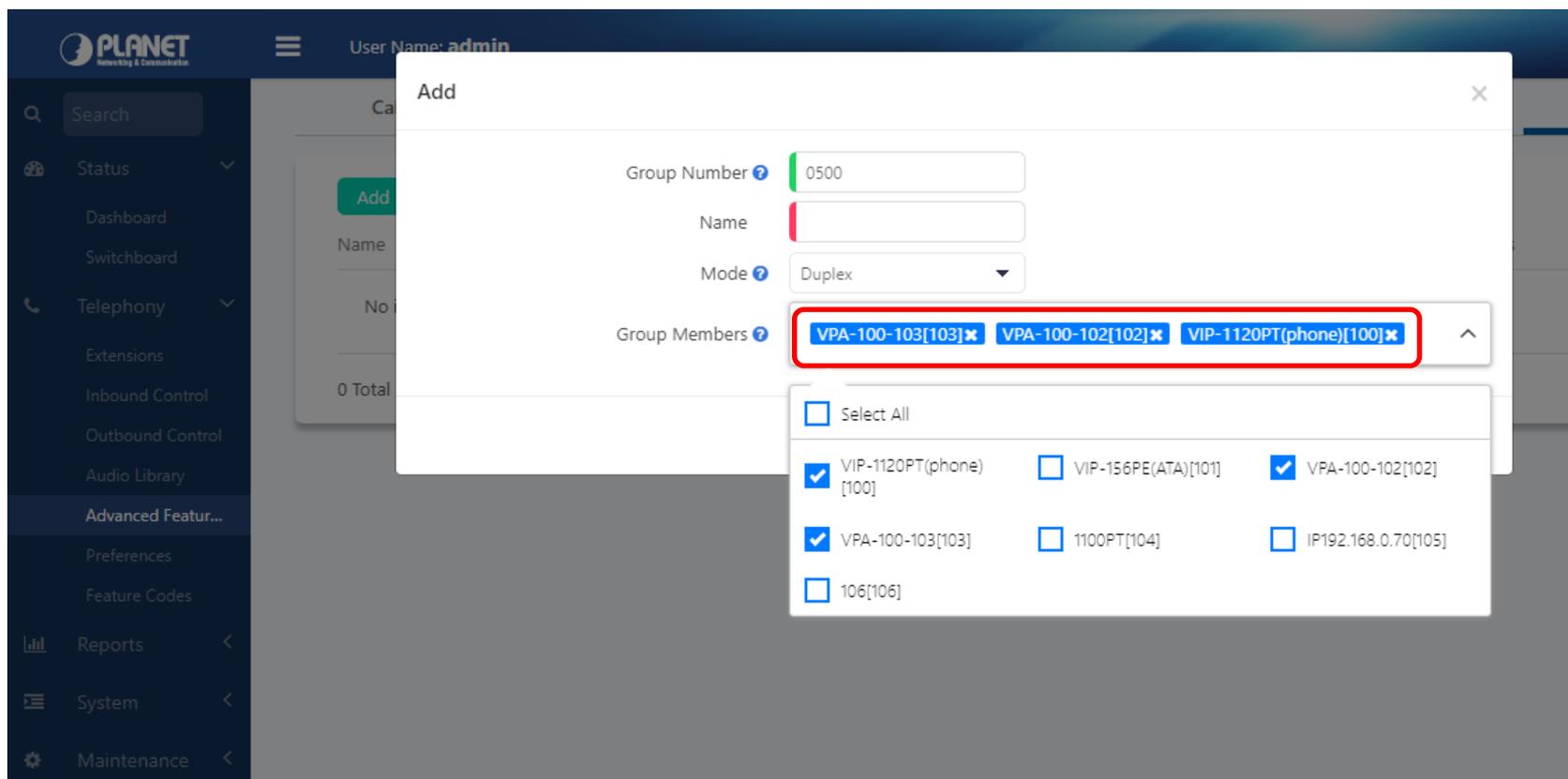


The screenshot displays the PLANET IP-PBX web interface. The top navigation bar includes the PLANET logo, a hamburger menu, and the user name 'admin'. Below the navigation bar, there are several tabs: 'Call Forward', 'Follow Me', 'Wake Up Call', 'Conference', 'DISA', and 'Paging & Intercom'. The 'Paging & Intercom' tab is highlighted with a red box. In the left sidebar, the 'Advanced Featur...' menu item is also highlighted with a red box. The main content area shows a table with columns for 'Name', 'Number', 'Mode', and 'Options', and a '0 Total' count.

How to set up VPA-100 broadcast on IP-PBX

Step 2

- ◆ Select the VIP-1120PT and VPA-100 in the same group and select "Simplex".

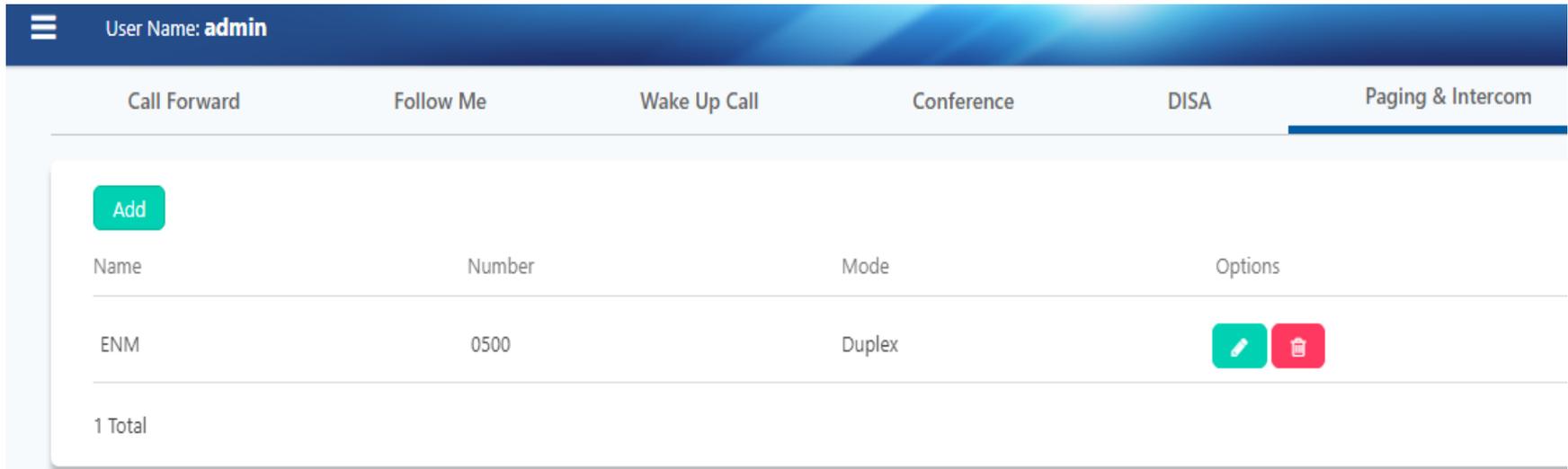


The screenshot displays the PLANET IP-PBX web interface. A modal dialog titled "Add" is open, showing the configuration for a new group. The "Group Number" is set to 0500. The "Mode" is set to Duplex. The "Group Members" field is highlighted with a red box and contains three selected members: VPA-100-103[103], VPA-100-102[102], and VIP-1120PT(phone)[100]. A dropdown menu is open below the Group Members field, showing a list of members with checkboxes. The "Select All" checkbox is unchecked. The following members are checked: VIP-1120PT(phone)[100], VPA-100-102[102], VPA-100-103[103], and 106[106]. Other members in the list include VIP-156PE(ATA)[101], 1100PT[104], and IP192.168.0.70[105]. The background shows the PLANET web interface with a sidebar menu and a user name of "admin".

How to set up VPA-100 broadcast on IP-PBX

Step 3

- ◆ When HDP-1120PT dial number "0500" , All VPA-100 in group will broadcast from HDP-1120PT immediately.



User Name: admin

Call Forward Follow Me Wake Up Call Conference DISA **Paging & Intercom**

[Add](#)

| Name | Number | Mode | Options |
|------|--------|--------|---|
| ENM | 0500 | Duplex |   |

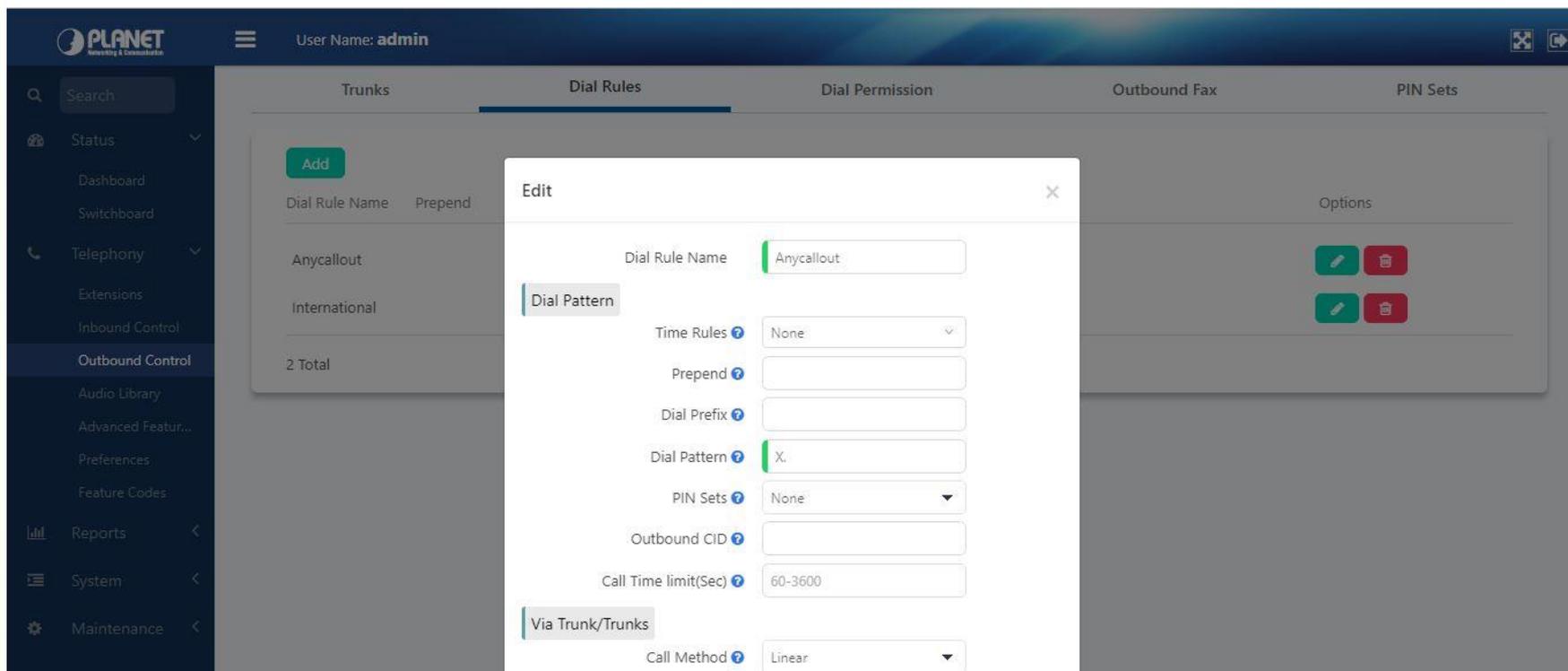
1 Total

How to set up simple dial rules for any call.

How to set up simple dial rules for any call.

Step 1

- ◆ If you want any member can call out, set the dial pattern is "X."
- ◆ Path : Outbound Control > Dial Rules.



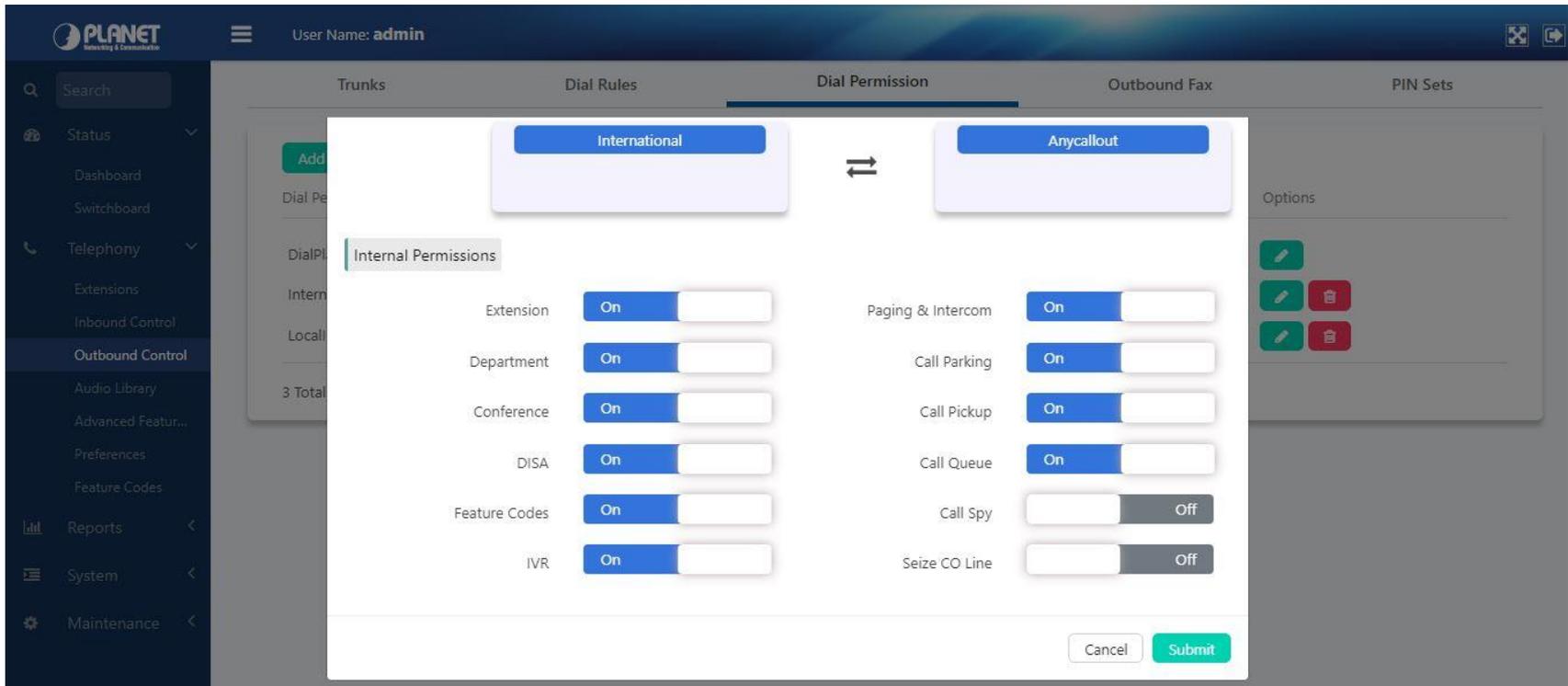
The screenshot displays the PLANET web interface for managing dial rules. The main navigation menu on the left includes options like Status, Dashboard, Switchboard, Telephony, Extensions, Inbound Control, Outbound Control (highlighted), Audio Library, Advanced Features, Preferences, Feature Codes, Reports, System, and Maintenance. The top navigation bar shows the user name as 'admin' and the current page as 'Dial Rules'. The 'Edit' dialog box is open, showing the following configuration:

- Dial Rule Name: Anycallout
- Dial Pattern: X
- Time Rules: None
- Prepend: (empty)
- Dial Prefix: (empty)
- PIN Sets: None
- Outbound CID: (empty)
- Call Time limit(Sec): 60-3600
- Via Trunk/Trunks: (empty)
- Call Method: Linear

How to set up simple dial rules for any call.

Step 2

- ◆ Select the dial rules for enable. Press submit.
- ◆ Path : Outbound Control > Dial Permission.



The screenshot displays the PLANET web interface for configuring dial permissions. The user is logged in as 'admin'. The main navigation menu on the left includes 'Status', 'Telephony', 'Outbound Control', 'Audio Library', 'Advanced Features', 'Preferences', 'Feature Codes', 'Reports', 'System', and 'Maintenance'. The 'Outbound Control' menu is expanded, showing 'Dial Permission' as the selected option. The 'Dial Permission' configuration window is open, showing two columns of settings. The left column, titled 'Internal Permissions', includes 'Extension', 'Department', 'Conference', 'DISA', 'Feature Codes', and 'IVR', all with 'On' toggle switches. The right column includes 'Paging & Intercom', 'Call Parking', 'Call Pickup', 'Call Queue', 'Call Spy', and 'Seize CO Line', with 'Call Spy' and 'Seize CO Line' set to 'Off'. A 'Submit' button is visible at the bottom right of the window.

How to set up simple dial rules for any call.

Step 3

- ◆ Select the dial Permission for the ext.
- ◆ Path : Telephony > Extension.

Name/Number/Dep: Per Page 10

| <input type="checkbox"/> Name | Extension Number | Outbound CID ? | Email ? | Department Name | Quick Register Code ? | Dial Permission | Options |
|-------------------------------|------------------|--------------------------------|-------------------------|-----------------|---------------------------------------|-----------------|---|
| <input type="checkbox"/> 100 | 100 | | | | 024 | DialPlan1 | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |
| <input type="checkbox"/> 101 | 101 | | | | 322 | Internalcall | <input type="button" value="Edit"/> <input type="button" value="Delete"/> |

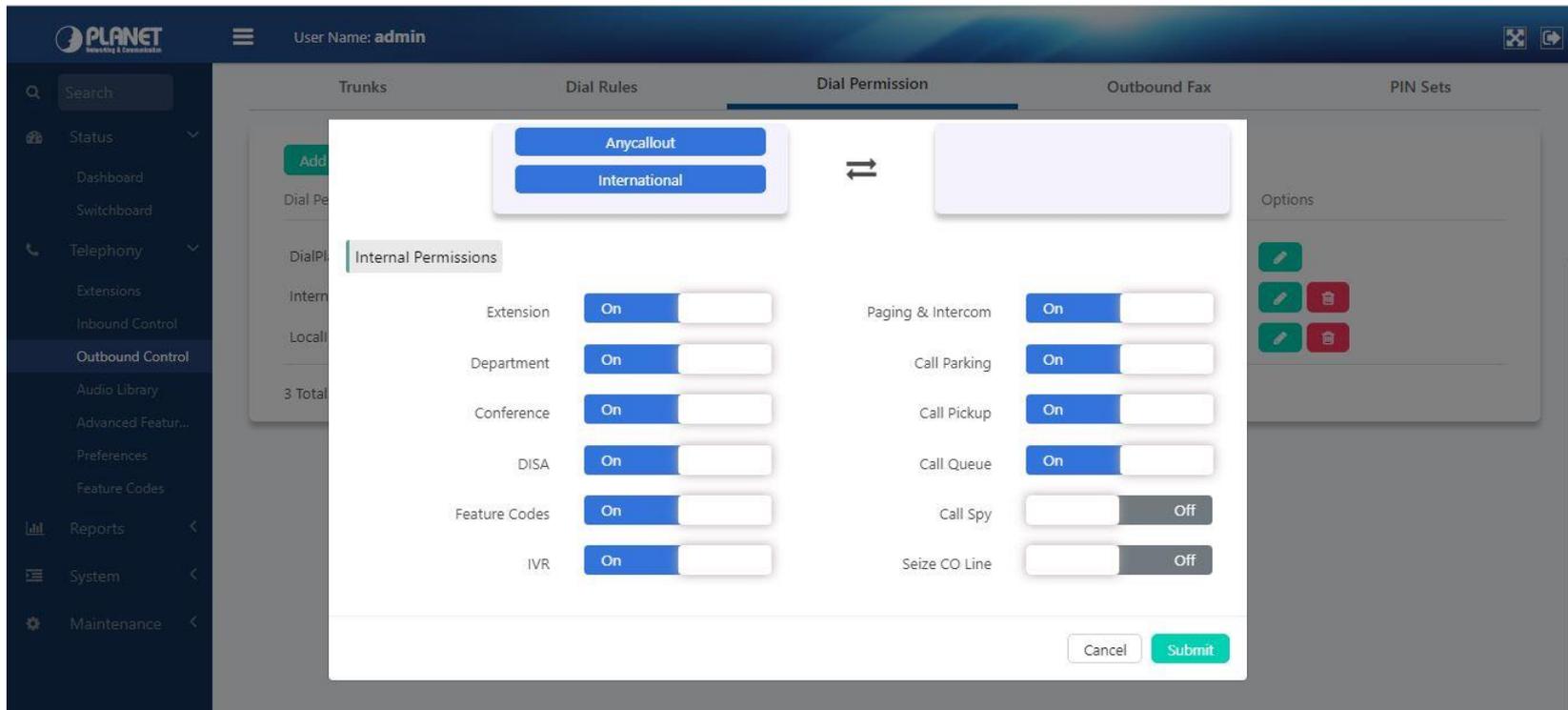
0 Selected / 2 Total

How to set up simple dial rules for internal call only.

How to set up simple dial rules for internal call only.

Step 1

- ◆ Select no dial rules for empty. Press submit.
- ◆ Path : Outbound Control > Dial Permission.



The screenshot displays the PLANET web interface for configuring dial permissions. The user is logged in as 'admin'. The 'Dial Permission' tab is selected, and the 'Internal Permissions' section is highlighted. The settings for 'Internal Permissions' are as follows:

| Setting | Value |
|---------------|-------|
| Extension | On |
| Department | On |
| Conference | On |
| DISA | On |
| Feature Codes | On |
| IVR | On |

The 'Paging & Intercom' section settings are:

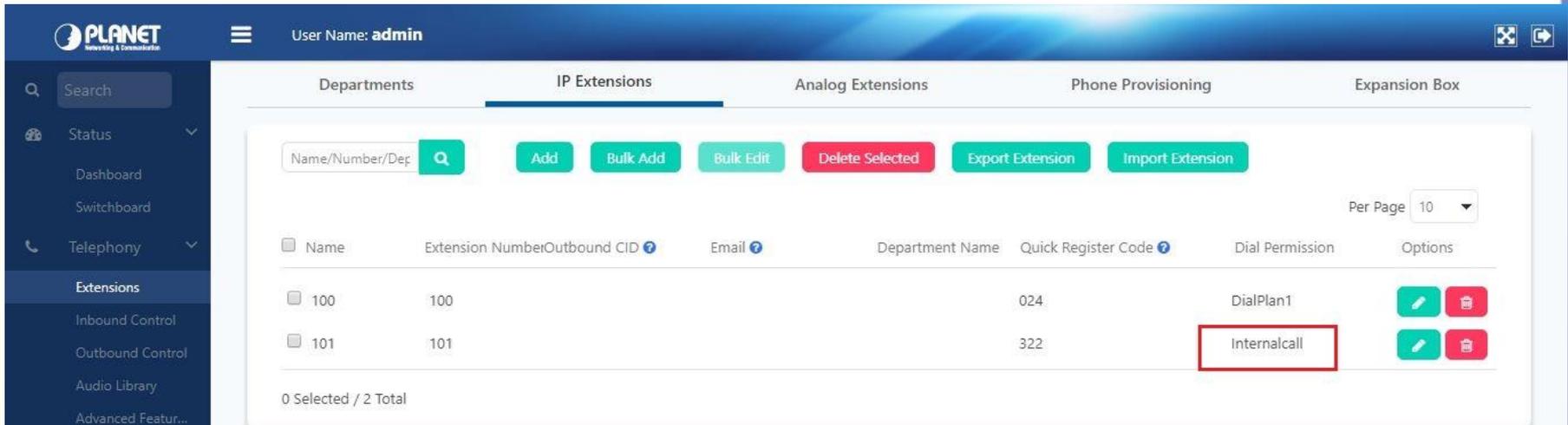
| Setting | Value |
|-------------------|-------|
| Paging & Intercom | On |
| Call Parking | On |
| Call Pickup | On |
| Call Queue | On |
| Call Spy | Off |
| Seize CO Line | Off |

At the bottom of the configuration window, there are 'Cancel' and 'Submit' buttons.

How to set up simple dial rules for internal call only.

Step 1

- ◆ Select the dial Permission for the ext.
- ◆ Path : Telephony > Extension.



The screenshot shows the PLANET IP Extensions management interface. The user is logged in as 'admin'. The interface includes a search bar, a table of extensions, and various action buttons. The 'Dial Permission' for extension 101 is highlighted as 'Internalcall'.

| Name | Extension Number | Outbound CID | Email | Department Name | Quick Register Code | Dial Permission | Options |
|------|------------------|--------------|-------|-----------------|---------------------|-----------------|---|
| 100 | 100 | | | | 024 | DialPlan1 |   |
| 101 | 101 | | | | 322 | Internalcall |   |



ACTIVATING IP POWER