

# UC Common Function Configuration Guide (2)

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# Foreword

This course is mainly:

- Introduce How to set custom IVR

- Introduce How to set IVR in inbound route

- Introduce How to use Number Matching & Manipulation

- Introduce how to create conference and invite members

- Introduce how to use IPPBX address book on IP Phone

# Course Objective

Through this course  
you will be able to



Understand how to configure IVR



Learn how to configure Number  
Matching & Manipulation



Familiar with conference and LDAP

# Contents

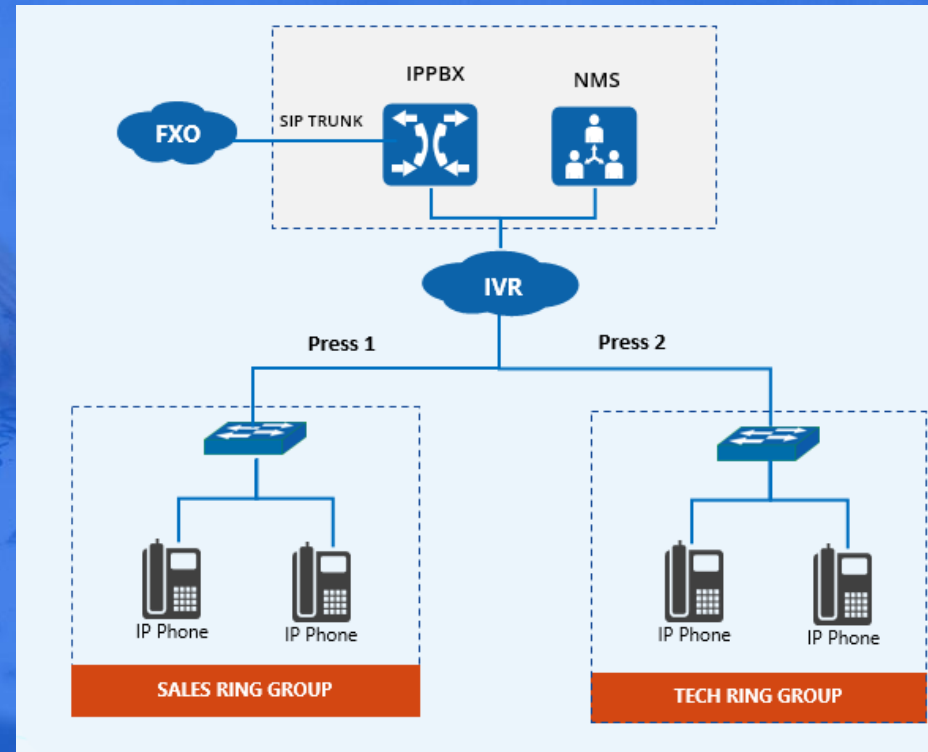
- 1 IVR Configuration
- 2 Number Matching & Manipulation
- 3 Conference Configuration
- 4 LDAP Configuration

# IVR Configuration

01

1. How to set custom IVR

2. How to set IVR in inbound route



# How to set custom IVR

Ring group setting

Upload IVR file

IVR Menu Hints setting

IVR Menu setting

1. Click **Extension & Call Group->Ring Group**
2. Set ring group name
3. Select the extension numbers of the ringing group members
4. Select Strategy : Sequence (Ascending), Sequence (Cyclic Ascending), Simultaneous and Random
5. Create other ringing groups using the same method

The screenshot displays the 'Edit Ring Group' configuration page in the DINSTAR web interface. The left sidebar contains a navigation menu with 'Ring Group' highlighted by a red box and a circled '1'. The main content area shows the 'Edit Ring Group' form with the following fields and settings:

- Name:** A text input field with a red box and a circled '2'.
- Members Select:** A button or dropdown field with a red box and a circled '3'.
- Strategy:** A dropdown menu with a red box and a circled '4'.
- Ring Group Number:** A text input field.
- DID:** A text input field.
- Ring Time(5s~200s):** A text input field.
- When no answer transfer to:** A dropdown menu.

On the right side of the form, there are two lists of SIP extensions: 'Source list 0/92' and 'Target list 0/2'. The 'Source list' contains extensions 72140, 72142, 72143, and 72144. The 'Target list' contains extensions 72139 and 72141. Below these lists, the 'Sequence(Ascending)' dropdown is selected, and the 'Ring Group Number' is set to 1000. The 'DID' field is empty, and the 'Ring Time' is set to 25. The 'When no answer transfer to' dropdown is set to 'Hangup'.

# How to set custom IVR

Ring Group Setting

Upload IVR file

IVR Menu Hints setting

IVR Menu setting

1. Click **PBX Global Settings->Voice**
2. Select the upload file type, set the name and description
3. Choose the prepared voice file and click the upload

**Note:** the format of the wav audio file uploaded must be : **monaural, 8000hz, 16bit, and size of no more than 3M**

Voice

Setting File List Voice Record

Type	Name	Description	Storage Location	Operation
Waiting Music	default waiting music	Default waiting/hold music, will play repeatedly	Local	
IVR	default ivr	Default IVR welcome audio	Local	

IVR menu menu Local ivr.wav

The format of wav audio file should be monaural, 8000hz, 16bit, and a size of no more than 3MB.

Voice ①

②

③

# How to set custom IVR

Ring Group Setting

Upload IVR file

IVR Menu Hints setting

IVR Menu setting

1. Click **Advanced Service->IVR**
2. Customize the name of the IVR
3. Set greeting tone and menu tone: When a call comes to the IVR, play the greeting tone first and then the menu tone
4. Set Repeat Loops: it is 3 in default. the call will be hung up after the IVR has been repeated for three times during timeout
5. Set Repeat Policy : It can be configured with "Greeting Tone + Menu Tone" or "Menu Tone"

Status

Trunk & Route

Extension & Call Group

Advanced Service

IVR

Call Queue

Conference

Voicemail

Speed Dial

Dialplan

Follow Me

SCA

Alarm Clock

### Edit IVR

#### Basic Settings

Status ☒

Index 1

Name custom ivr

#### Menu Hints

Greeting Tone Off

Menu Tone menu

Repeat Loops 3

Repeat Policy Greeting Tone+Menu Tone



# How to set custom IVR

Ring Group Setting

Upload IVR file

IVR Menu Hints setting

IVR Menu setting

1. Set DTMF: select the number of the destination

2. Set Tone: The tone that is played before the callee rings, Default is off

3. Select Destination and the corresponding ringing group

The screenshot shows the 'Menu' configuration page. It features three main columns: 'DTMF', 'Tone', and 'Destination'. The 'DTMF' column has two rows with values '1' and '2'. The 'Tone' column has two rows with values 'Off'. The 'Destination' column has two rows with values 'Ring Group' and 'Ring Group / SALES'. The 'Ring Group / SALES' row has a red 'X' icon, and the 'Ring Group / TECH' row has a red 'X' and a green '+' icon. Red boxes and numbers 1, 2, and 3 highlight the DTMF, Tone, and Destination sections respectively.

DTMF	Tone	Destination
1	Off	Ring Group / SALES
2	Off	Ring Group / TECH

# How to set IVR in inbound route

1. Click **Trunk & Route** -> **Route**

2. Custom route name

3. Select call source: SIP Trunk / FXO

4. Select call Destination :IVR

The screenshot displays the Dinstar PBX configuration interface for setting an inbound route. The sidebar on the left shows the 'Trunk & Route' menu with 'Route' selected. The main configuration area is divided into two sections: 'Condition' and 'Action'.

**Condition Section:**

- Name:** inbound
- Source:** SIP Trunk / FXO
- Number Matching:** Off
- Caller Number Prefix:**
- Called Number Prefix:**
- Time Profile:** Any

**Action Section:**

- Callback:** Off
- Distinctive Ringtone(Alert-Info):** None
- Manipulation:** Off
- Destination:** IVR / custom ivr

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Number Matching & Manipulation

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Conference Configuration

4

LDAP Configuration

# Number Matching & Manipulation

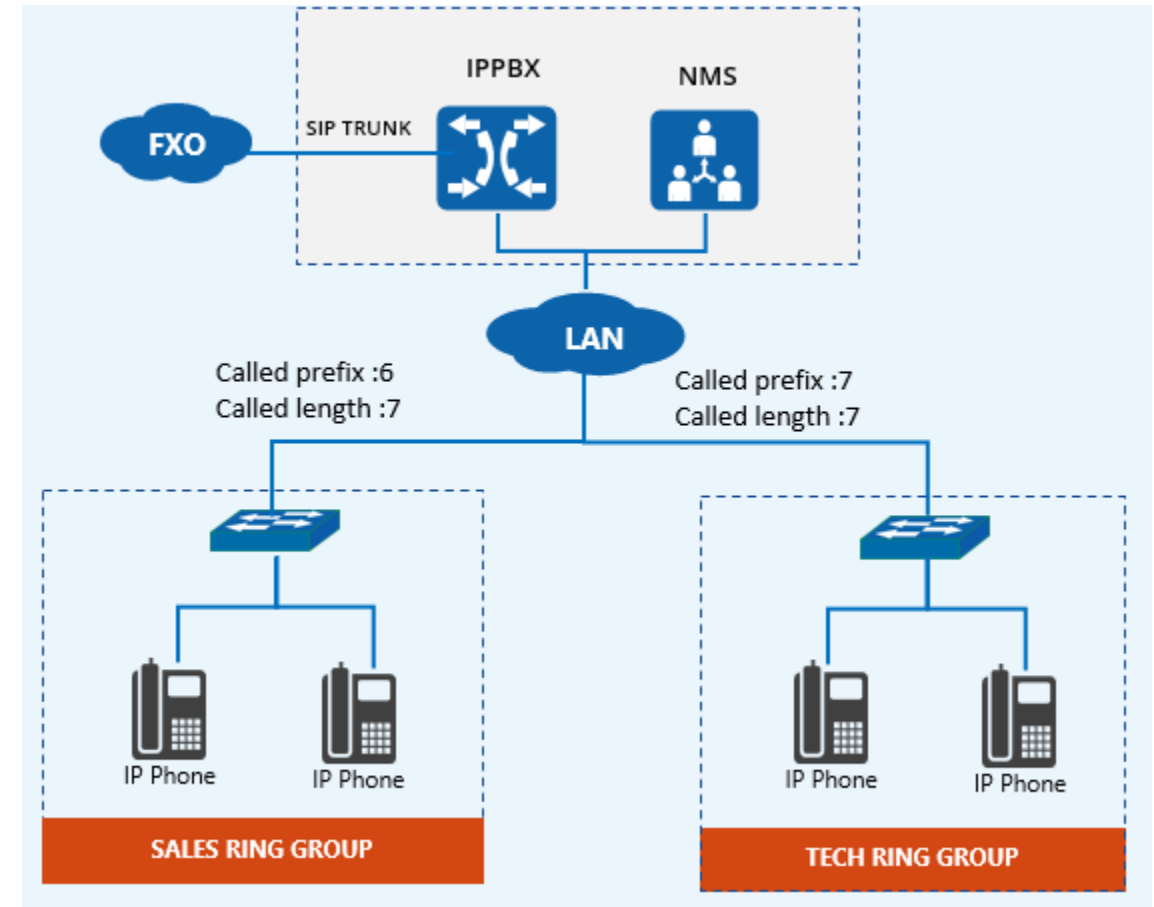
02

1. What is Number Matching
2. How to configure Number Matching
3. What is Manipulation
4. How to configure Manipulation

# What is Number Matching

Users can set a prefix for calling numbers or called numbers.

When the prefix of a calling number or a called number matches the set prefix, the call will be passed to choose a route



# How To Configure Number Matching

1. Click **Trunk &Route-**  
**>Number Matching**

2. Custom name

3. Configure number prefix  
and length

Index	Name	Caller Prefix	Caller Length	Called Prefix	Called Length	
1	sales	*	*	^6	7	<a href="#">Edit</a> <a href="#">Delete</a>
2	TECH	*	*	^7	7	<a href="#">Edit</a> <a href="#">Delete</a>

# How To Configure Number Matching

1. Click **Trunk & Route** → **Route**

2. Custom name

3. Select call source: SIP Trunk / FXO

4. Select number matching: SALES

5. Select destination : Ring Group / SALES

6. Configure tech using the same method

The screenshot displays the Dinstar PBX configuration interface. The sidebar on the left shows the navigation menu with 'Trunk & Route' expanded and 'Route' selected. The main configuration area is divided into several sections:

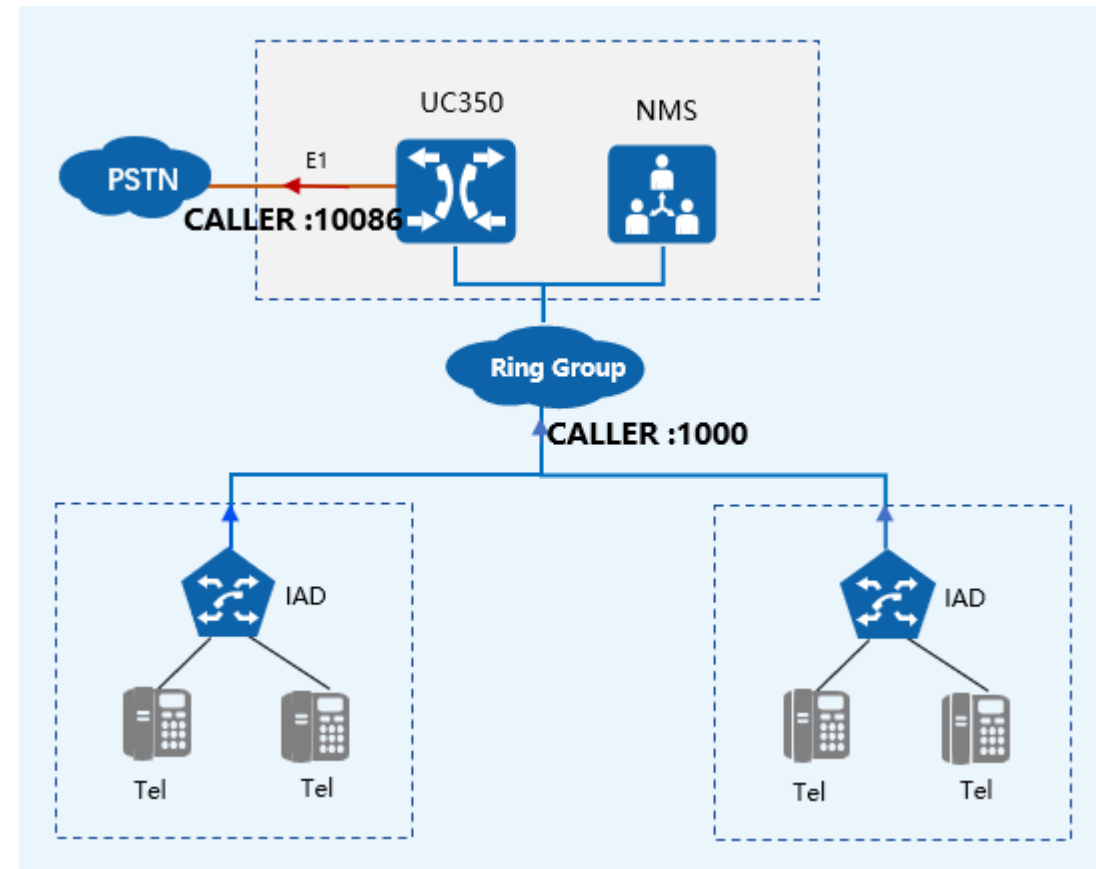
- Name:** A text field containing 'SALES'.
- Condition:** Includes a 'Source' dropdown (set to 'SIP Trunk / FXO'), a 'Number Matching' dropdown (set to '1-< SALES >'), and a 'Time Profile' dropdown (set to 'Any').
- Action:** Includes a 'Callback' toggle (checked), a 'Distinctive Ringtone (Alert-Info)' dropdown (set to 'None'), a 'Manipulation' dropdown (set to 'Off'), and a 'Destination' dropdown (set to 'Ring Group / SALES').

Below the configuration area is a table titled 'Route' showing the configured routes:

Priority	Name	Source	Num Match	Caller Prefix	Called Prefix	Time	Action: Manipulation/Dest	Fallover: Manipulation/Dest	
297	SALES	FXO	1-< SALES >	Any	Any	Off	Off / Ring Group / SALES	Not Config	<a href="#">More</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">MoveDown</a>
298	TECH	FXO	2-< TECH >	Any	Any	Off	Off / Ring Group / TECH	Not Config	<a href="#">More</a> <a href="#">Edit</a> <a href="#">Delete</a> <a href="#">MoveUp</a> <a href="#">MoveDown</a>

# What is Manipulation

The called number or caller number will be changed during calling process when the called number or the caller number matches the preset rules.





# How To Configure Manipulation

1. Click **Trunk & Route-**  
**>Manipulation**

2. Custom name

3. Select caller  
manipulation mode and  
Configure to convert the  
caller from 1000 to 10086

Status

Trunk & Route

SIP Trunk

FXO

E1/T1

Number Matching

**Manipulation** ①

Route

Emergency Number

PIN List

### Edit Manipulation

Index 1

② Name Change of calling number

③ Caller Manipulation Mode Advance

Number Matching 1000 Delete Prefix Count 4 Add Prefix 10086 Replace by +

Called Manipulation Mode Off

# How To Configure Manipulation

1. Click **Trunk & Route** → **Route**

2. Custom name

3. Select call source: Local Extension

4. Select Manipulation

5. Select destination : SIP Trunk/MTG

6. After making a call, users can check on the CDRs if the change was successful

The screenshot shows the 'Route' configuration page in the Dinstar PBX system. The left sidebar lists various settings, with 'Trunk & Route' expanded and 'Route' selected. The main area is divided into 'Condition' and 'Action' sections. In the 'Condition' section, the 'Name' field is set to 'out', and the 'Source' is set to 'Local Extension'. In the 'Action' section, the 'Manipulation' option is selected, and the 'Destination' is set to 'SIP Trunk / MTG'. Other options like 'Number Matching', 'Caller Number Prefix', 'Called Number Prefix', and 'Time Profile' are also visible but not highlighted.

CDRs List

Index	Caller	Source	Called	Destination	Start Time	End Time	Duration	Hangup By	Codec	Hangup Cause
1	1000->10086	SIP Extension/1000	123	SIP Trunk/MTG	2025-03-20 02:03:18	2025-03-20 02:03:38	00:00:00	Caller	PCMU	Caller Cancel

Index	Caller	Source	Called	Destination	Start Time	End Time	Duration	Hangup By	Codec	Hangup Cause
1	1000->10086	SIP Extension/1000	123	SIP Trunk/MTG	2025-03-20 02:03:18	2025-03-20 02:03:38	00:00:00	Caller	PCMU	Caller Cancel

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- 4 LDAP Configuration

# Conference Configuration

03

1.How To Configure Conference

2.How To Invite Members

# How To Configure Conference

1. Click **Advanced Service->Conference**

2. Custom Name and conference Number

3. No password required in public mode, if not , Password and administrator password need to be set

The screenshot displays the 'Edit Conference' configuration page in the DINSTAR web interface. On the left sidebar, the 'Conference' option is highlighted with a red box and a circled '1'. The main content area shows the following settings:

- Index:** 1
- Name:** test
- Number:** 777
- Public Mode:** ☒
- Password:** [Redacted]
- Administrator Password:** [Redacted]
- Quiet Mode:** ☒
- Wait For Administrator:** ☒
- Play Waiting Music when Idle:** ☒
- Enable Menu:** ☒
- Recording:** ☒

Red boxes and circled numbers (1, 2, 3) highlight the 'Conference' menu item, the 'Name' and 'Number' fields, and the 'Public Mode', 'Password', and 'Administrator Password' fields respectively.

# How To Invite Members



- **Method 1**

- 1. Click **Expand**
- 2. Select conference room that needs to invite people
- 3. Set invite object: room、local extension and outside line can be select
- 4. Set Destination Number

Conference

Status

Setting

Invite

① Reduce

② Room:

777

③ Invite Object:

Local Extension(Need to be confirmed)  
Room  
Local Extension  
Local Extension(Need to be confirmed)  
Outside Line

④ Destination Numbe..

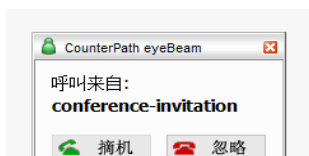
Name	Room	Total	Administrator	Start Time	Duration	Options
▼ ... test	777	0	0			
Participant		Source		Join Time	Duration	Options
▼ ... 999	999	0	0			
Participant		Source		Join Time	Duration	Options

# How To Invite Members

- **Method 2**

Invite members through DTMF operations

1. Dial the conference number and password to join
2. Press 1, and after hearing the prompt sound for entering the number, enter the extension number that needs to be invited
3. The extension that was invited to join rings



DTMF	Description	Notes
1	Invite members	Non-administrators need to enable configuration
2	Invite members, need to be confirmed by the invite	Non-administrators need to enable configuration
3	Initiate a conference	Non-administrators need to enable configuration
4	Decrease the volume of the handset	/
6	Increase the volume of the handset	/
7	Decrease the volume of the microphone	/
9	Increase the volume of the microphone	/
*	Mute	/
0	All non-administrators are muted	Administrator permissions
#	Exit all non-administrators from the conference	Administrator permissions

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- 1 IVR Configuration
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- 4 LDAP Configuration



# LDAP Configuration

# How To Configure LDAP

- **IPPBX**

1. Click **Address Book->LDAP Setting**

2. The default configuration generally does not need to be changed

3. Record user, password and other parameters for convenient IP phone configuration

**NOTE:** Even non Dinstar phones can use LDAP

The screenshot displays the Dinstar web interface for LDAP configuration. On the left, a sidebar menu lists various settings, with 'LDAP Setting' highlighted in blue and enclosed in a red rectangle. The main content area is titled 'LDAP Setting' and contains a 'Setting' tab. Below the tab, there are six configuration fields:

- Base DN:** A text input field containing 'dc=pbx,dc=com'.
- PBX DN:** A text input field containing 'ou=pbx', followed by a dropdown menu showing ',dc=pbx,dc=com'.
- LDAP User:** A text input field containing 'cn=admin', followed by a dropdown menu showing ',dc=pbx,dc=com'.
- LDAP User Password:** A password input field with masked characters '.....' and a toggle icon.
- LDAP Certificate:** A file selection button labeled '选择文件' followed by the text '未选择任何文件'.
- LDAP Private Key:** A file selection button labeled '选择文件' followed by the text '未选择任何文件'.

# How To Configure LDAP

- IP Phone(Dinstar)

1. Click **Phone Book->LDAP**

2. Change the server address to the corresponding IPPBX address, refer to the image for other configurations

3. The LDAP of the phone can display the extension number of IPPBX

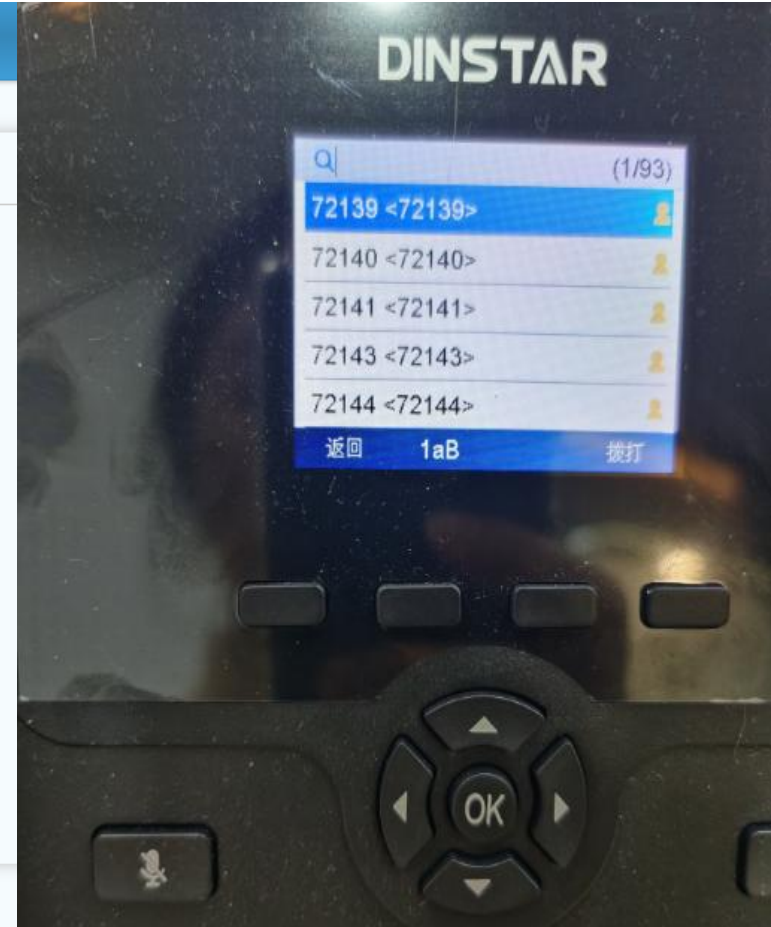
DINSTAR Status Account Network Phone **PhoneBook** Upgrade Security

Local Book Remote Book Call History **LDAP** Broadsoft

LDAP

Name Filter	((!(callerName=#))	
Number Filter	((!(telephoneNumber=#)(mobile	
Server	172.28.50.237	
Port	389	(1~65535)
Base	ou=pbx,dc=pbx,dc=com	
Username	cn=admin,dc=pbx,dc=com	
Password	*****	
Name Attribute	callerName department	
Number Attribute	cn	
Display Name	callerName department	
Max Hits	500	(1~500)
Search Delay Time	1000	(200~3000)ms
Lookup for Incoming Call	Disabled ▼	
Lookup for Dial	Disabled ▼	
Hierarchy View	Enabled ▼	

Submit Cancel





# THANKS



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