

How to install AsteriskNOW1.5.0_OpenVox_A400P

Test tools:

asteriskNow-1.5.0

A400P (2FXO + 2FXS)

Step1:

1. Insert the OpenVox A400P into the PCI slot, then install the AsteriskNOW 2.8.0.
2. After installing, login in to the trixbox. Please run the following command:

```
dahdi_genconf
```

Use this command it will be automatic generate two files:

```
/etc/dahdi/system.conf
```

```
/etc/dahdi/asterisk/dahdi-channels.conf
```

3. Renamed the file chan_dahdi.conf.template file, change it to chan_dahdi.conf. Please use the following command to achieve it:

```
cd /etc/asterisk
```

```
mv chan_dahdi.conf.template chan_dahdi.conf
```

Step2: Modify the file chan_dahdi.conf

```
vi chan_dahdi.conf
```

Access to the file, find this line: `#include chan_dahdi_additional.conf`. Then insert one line in front of this line like this:

```
#include dahdi-channels.conf
```

After that, you will see the following code like this

```
#include dahdi-channels.conf
```

```
; include dahdi extensions defined in FreePBX
```

```
#include chan_dahdi_additional.conf
```

```
; XTDM20B Port #1,2 plugged into PSTN
```

```
;AMPLABEL:Channel %c - Button %n
```

Then save and exit the file

Step 3: Please return to the directory /etc/asterisk and run the following commands:

```
asterisk -r
```

```
stop now
```

```
asterisk -vvvvvvvvvvvgc
```

the result will be shown like this:

*CLI> dahdi show channels

Chan	Extension	Context	Language	MOH Interpret
pseudo		default		default
1		from-pstn	en	default
2		from-pstn	en	default
3		from-internal	en	default

4 from-internal en default

Step 4: In another Windows computer's IE address bar enter your IP:



eg:

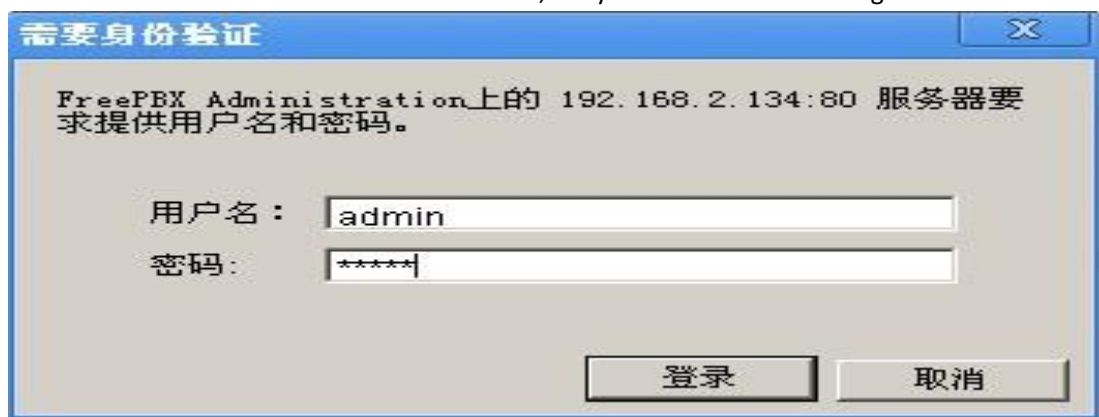


[Voicemail & Recordings \(ARI\)](#)

[Flash Operator Panel \(FOP\)](#)

[FreePBX Administration](#)

➤ Select the item “FreePBX Administration” ,and you will see the following:



➤ Enter the username and password,both of them are: admin,and click the button “Login”.Then,you will see:



➤ When you want add extensions, please select the item “extensions” in the left of the page.Then,you will get the following:

- Click the drop-down list of Device, and select “Generic ZAP Device”. Then click the button “Submit”. You would get the following webpage:

- Input the number you want to dial into the User Extension text box, input the same number to the “Display Name” text box.

- Finally, click the button “Submit” of the webpage.

- After that, click the yellow button “Apply Configuration Changes” in the top of the page, and select the “Continue with reload” one.

Apply Configuration Changes

Reloading will apply all configuration changes to your PBX engine and make them active.

Continue with reload

Cancel reload and go back to editing

When you finished this step, you have successfully added an "Extensions".
You can add another "Extension" with the same way ..

Step 5:

- If you want to set up a sip, please return to the page like this:

Setup

Tools

Admin

FreePBX System Status

Module Admin

Basic

Extensions

Feature Codes

General Settings

Outbound Routes

Trunks

Administrators

Inbound Call Control

Add an Extension

Please select your Device below then click Submit

Device

Device

Generic SIP Device

Submit

- Then, you just select the "Generic SIP Device" and click the button "Submit". You should see the following like this:

Setup

Tools

Admin

FreePBX System Status

Module Admin

Basic

Extensions

Feature Codes

General Settings

Outbound Routes

Trunks

Administrators

Inbound Call Control

Inbound Routes

Add SIP Extension

Add Extension

User Extension

Display Name

CID Num Alias

SIP Alias

Enter the number you want to dial in the "User Extension" textbox, and also the "Display Name".
In the middle of the page, you must enter your password in the secret textbox. Please keep the default values in other textbox. Then click the Button "Submit" in the bottom of the page. And do not forget to click the yellow tab on the top of the page.

Step 6: If you want to set up an outside line, please return to the main page like this:

Admin
FreePBX System Status
Module Admin
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Administrators
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Internal Options & Configuration
Music on Hold
System Recordings

FreePBX System Status

retrieve_conf failed, config not applied

Asterisk Manager Connection Failure

☐ Default Asterisk Manager Password Used

☐ Memory Limit Changed

show all

Total active calls: 0

Internal calls: 0

External calls: 0

Total active channels: 0

Processor
Load Average: 0.00
CPU: 0%

Memory
Available Memory: 21%
Swap: 0%

Disks
/: 1%
/dev/sda1: 10%
/dev/shm: 0%

Networks

➤ Then, please select the tab of the "Trunk" on the left. You will see the following:

FreePBX 2.5.1.0 on 192.168.2.119
Apply Configuration Changes

Setup
Tools

Admin
FreePBX System Status
Module Admin
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Administrators
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Internal Options & Configuration

Add a Trunk

☐ Add Zap Trunk (DAHDI compatibility mode)
☐ Add IAX2 Trunk
☐ Add SIP Trunk
☐ Add ENUM Trunk
☐ Add DUNDi Trunk
☐ Add Custom Trunk

➤ Then, please select the tab of the "Trunk" on the left. You will see the following:

Setup
Tools

Admin
FreePBX System Status
Module Admin
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Administrators
Inbound Call Control

Add ZAP Trunk (DAHDI compatibility mode)

General Settings
Outbound Caller ID:
Never Override CallerID: ☐
Maximum Channels:
Disable Trunk: ☐ Disable
Monitor Trunk Failures: ☐ Enable

Enter the Outbound CallerID in the textbox. Please keep the default values in other textbox. Then, click the Button "Submit Changes" in the bottom of the page. After that, please click the yellow Button "Apply Configuration Changes" . In the pop-up window, select "continue with reload".

Step7: Set the outbound router

Please click the item of the "Outbound Routes" on the left. Then you will get the following web page:

Setup Tools

Admin
FreePBX System Status
Module Admin
Basic
Extensions
Feature Codes
General Settings
Outbound Routes
Trunks
Administrators
Inbound Call Control
Inbound Routes
Zap Channel DIDs
Internal Options & Configuration
Music on Hold
System Recordings

Add Route

Route Name:
Route Password:
Emergency Dialing:
Intra Company Route:
Music On Hold?
Dial Patterns

☐
☐

Dial patterns wizards:
Trunk Sequence

- Enter the name in the Route Name textbox like this (You'd better write something easy to identify)

Setup Tools

Admin
FreePBX System Status
Module Admin
Basic
Extensions
Feature Codes

Add Route

Route Name:
Route Password:
Emergency Dialing:

☐

- In the same page , you should add dial patterns as the following

Dial Patterns

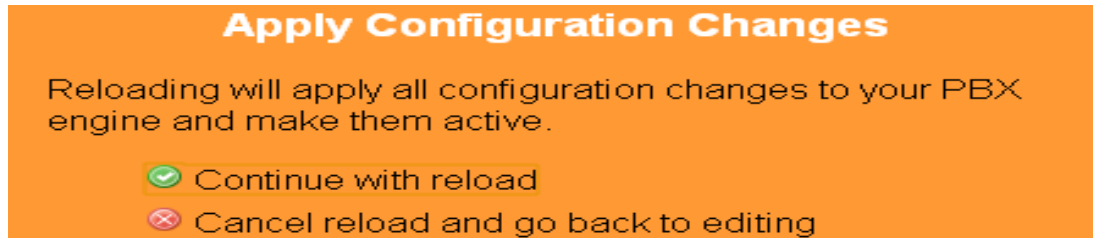
- Select a trunk group for the outbound router as the following:

Dial patterns wizards:
Trunk Sequence

- Then, click the Button “Submit Changes”. Then please click apply configuration changes as the following:

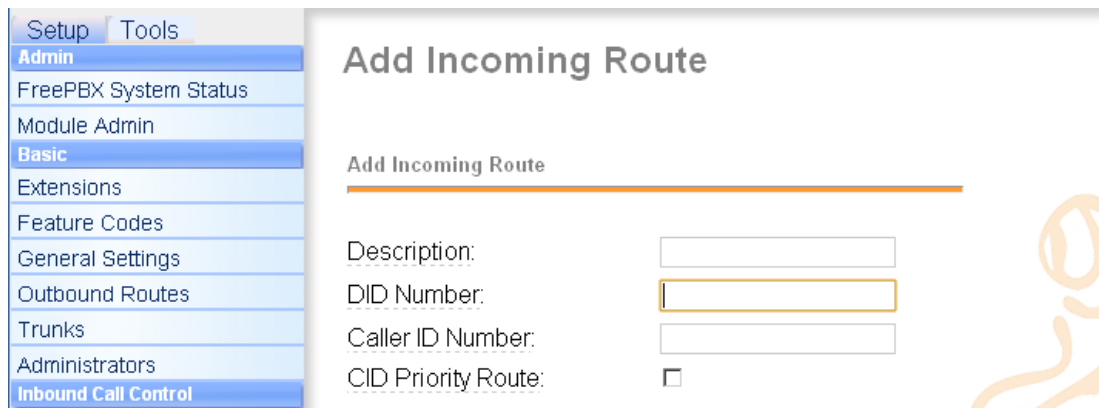


Click select “Continue with reload” button



- **Step 8:** Set the inbound router

If you want to set up inbound router. Please do it as the following steps.



- Please enter the description in the Description textbox(eg: inbound).

Add destination phone for the inbound router as the following:

Set Destination

☐ Phonebook Directory: Phonebook Directory ▼

☐ Terminate Call: Hangup ▼

☒ Extensions: <1000> 1000 ▼

☐ IVR: Unname <1000> 1000
<123456> 123456

here, there are two items to select, but you can't select it until you add extension. Choose one of the items which will answer the inbound call .

Then, click button “Submit” in the bottom of the page

Now, you have finished all the configuration tasks.