

## How to install elastix\_1.5.2\_OpenVox\_A1200p.pdf

Test Tools:

elastix : 1.5.2-i386

A1200P (2FXO+2FXS)

### Step 1:

- Insert the OpenVox A1200P into the PCI slot, then install the elastix 1.5.2-i386
- After installing, login in to the elastix. Please run the following command:  
`[root@trixbox~] # dahdi_genconf`  
Use this command will be automatic generation two files:  
`/etc/dahdi/system.conf`  
`/etc/asterisk/dahdi-channels.conf`
- Renamed the file `chan_dahdi.conf.template` file `chan_dahdi.conf`. Please use the following command to achieve it:  
`cd /etc/asterisk`  
`mv chan_dahdi.conf.template chan_dahdi.conf`

### Step 2: Modify the file `chan_dahdi.conf`

- Use the following command please:  
`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 chan_dahdi_additional.conf`
- 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 -vvvvvvvvvvgc
```

and the result will be shown like this:

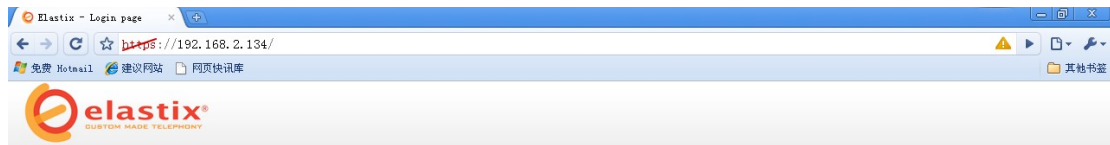
```
trixbox1*CLI> dahdi show channels
```

Chan	Extension	Context	Language	MOH Interpret	Blocked	State
pseudo		default	en	default		In Service
	3	from-pstn	en	default		In Service
	4	from-pstn	en	default		In Service
	5	from-internal	en	default		In Service
	6	from-internal	en	default		In Service

```
trixbox1*CLI>
```

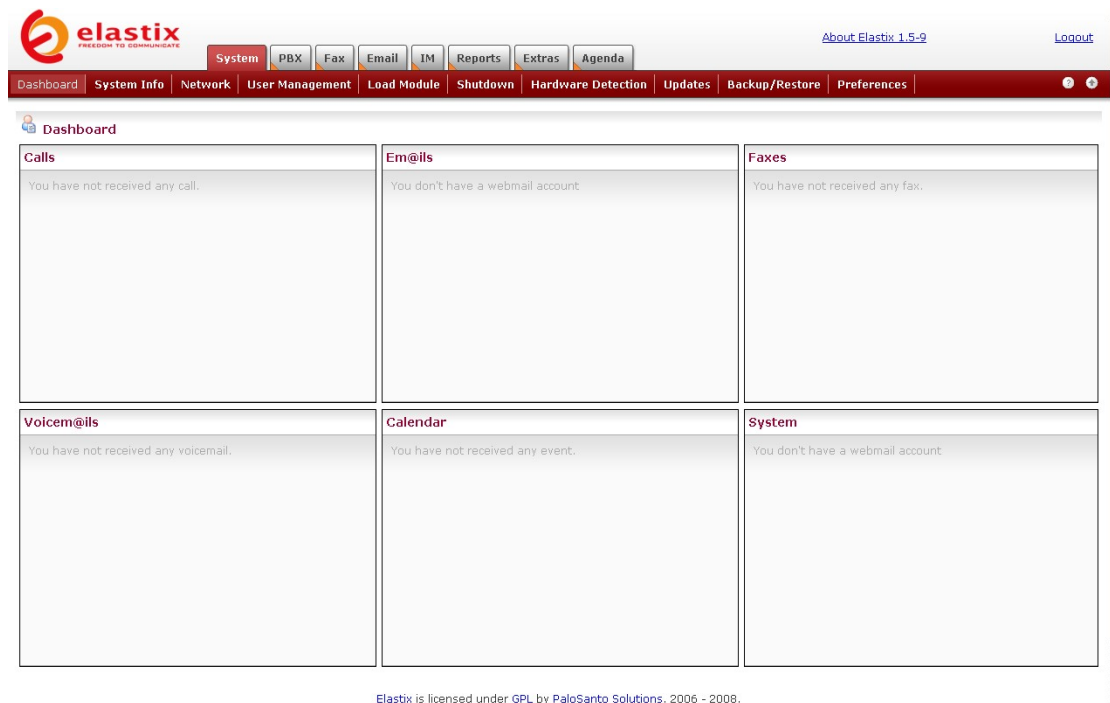
### Step 4: In another Windows computer's IE address bar enter your IP:

eg:



Enter the username: admin, password: palosanto. And click the Button "Submit". Then you can login into the elastix management websystem.

You can see the result like this:



Select the "PBX" tab at the top of the page. The result will be shown like this:

The screenshot shows the Elastix web interface. At the top left is the Elastix logo with the tagline 'FREEDOM TO COMMUNICATE'. To the right, it says 'About Elastix 1.5-9' and 'Logout'. Below this is a navigation bar with tabs for System, PBX, Fax, Email, IM, Reports, Extras, and Agenda. A secondary navigation bar contains links for PBX Configuration, Flash Operator Panel, Voicemails, Monitoring, Endpoint Configuration, Conference, Extensions Batch, and Tools. On the left is a sidebar menu with categories like Option, Basic, Inbound Call Control, Internal Options & Configuration, and Remote Access. The main content area is titled 'Add an Extension' and contains the text 'Please select your Device below then click Submit'. Below this is a 'Device' label and a dropdown menu currently showing 'Generic SIP Device'. A 'Submit' button is located below the dropdown. On the right side of the page, there is an 'Add Extension' button and three range selection buttons: '1000 <1000>', '2000 <2000>', and '10000 <10000>'.

Click drop-down box of Device on the right of the webpage, and select "Generic ZAP Device". Then click the Button "Submit". You would get the following:

The screenshot shows the 'Add ZAP Extension' page in the Elastix interface. The title is 'Add ZAP Extension'. The form is divided into several sections: 'Add Extension' with a header line; 'User Extension' with a text input field; 'Display Name' with a text input field; 'CID Num Alias' with a text input field; 'SIP Alias' with a text input field; 'Extension Options' with a header line; 'Outbound CID' with a text input field; 'Ring Time' with a dropdown menu set to 'Default'; 'Call Waiting' with a dropdown menu set to 'Disable'; 'Call Screening' with a dropdown menu set to 'Disable'; 'Emergency CID' with a text input field; 'Assigned DID/CID' with a header line; 'DID Description' with a text input field; 'Add Inbound DID' with a text input field; 'Add Inbound CID' with a text input field; 'Device Options' with a header line; and a note 'This device uses zap technology. (Via DAHDI compatibility mode) channel' with a text input field. An 'Add Extension' button is located at the top right of the form area.

Input the number you want to dial in the User Extension textbox, input the same number to the "Display Name" textbox.

In the middle of the page, find the part like this:

This is a close-up of the 'Device Options' section from the previous screenshot. It shows the text 'This device uses zap technology. (Via DAHDI compatibility mode) channel' followed by a text input field.

Please enter the channel number (means the number of green channel module) (eg:5)  
When you complete all of these, please click the Button "Submit" in the bottom of the page.

After that, click the Button "Apply Configuration Changes Here" in the top of the page.  
When you finished this step, you have successfully added an "Extensions".


You can add another "Extension" in the same way (eg: channel 6).

**Step 5:** If you want to set up a sip, please return to the page like this:



The screenshot shows the Elastix web interface. The top navigation bar includes 'System', 'PBX', 'Fax', 'Email', 'IM', 'Reports', 'Extras', and 'Agenda'. Below this is a secondary navigation bar with 'PBX Configuration', 'Flash Operator Panel', 'Voicemails', 'Monitoring', 'Endpoint Configuration', 'Conference', 'Extensions Batch', and 'Tools'. The main content area is titled 'Add an Extension'. On the left is a sidebar menu with 'Option' (Unembedded freePBX), 'Basic' (Extensions, Feature Codes, General Settings, Outbound Routes, Trunks), and 'Inbound Call Control' (Inbound Routes). The main form area contains the text 'Please select your Device below then click Submit', a 'Device' label, a dropdown menu with 'Generic SIP Device' selected, and a 'Submit' button. On the right side of the form, there are two buttons: 'Add Extension' and '1000 <1000>'.

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



The screenshot shows the Elastix web interface with the 'Add SIP Extension' form. The navigation bars are the same as in the previous screenshot. The sidebar menu is the same. The main form area is titled 'Add SIP Extension' and contains the text 'Add Extension'. Below this are five input fields: 'User Extension' (with '500' entered), 'Display Name' (with '500' entered), 'CID Num Alias' (empty), and 'SIP Alias' (empty). There is a 'Submit' button at the bottom of the form. On the right side of the form, there are two buttons: 'Add Extension' and '1000 <1000>'.

Enter the number you want to dial (eg: 500)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. keep the default values in the other textboxes please. Then click the Button "Submit" in the bottom of the page. And do not forget to click the Button "Apply Configuration Changes Here" on the top of the page.

**Step 6:** If you want to set up an outside line, please return to the main page and the select left tab of the "Trunk". You will see the following:

The screenshot shows the Elastix web interface. At the top, there's a navigation bar with tabs for System, PBX, Fax, Email, IM, Reports, Extras, and Agenda. Below that, a secondary navigation bar includes PBX Configuration, Flash Operator Panel, Voicemails, Monitoring, Endpoint Configuration, Conference, Extensions Batch, and Tools. The main content area is titled 'Add a Trunk' and features a list of options on the left and a list of trunk types on the right. The trunk types listed are: Add Zap Trunk (DAHDI compatibility mode), Add IAX2 Trunk, Add SIP Trunk, Add ENUM Trunk, Add DUNDI Trunk, and Add Custom Trunk. There are 'Add Trunk' and 'Trunk ZAP/g0' buttons on the right side.

Select the first one "Add Zap Trunk(DAHDI Compatibility mode)". You will see:

The screenshot shows the 'Add ZAP Trunk (DAHDI compatibility mode)' configuration page. The left sidebar contains a list of configuration categories. The main content area is titled 'Add ZAP Trunk (DAHDI compatibility mode)' and includes a 'General Settings' section with the following fields: Outbound Caller ID (text input with value 100), Never Override CallerID (checkbox), Maximum Channels (text input), Disable Trunk (checkbox with label 'Disable'), Monitor Trunk Failures (checkbox with label 'Enable'), Outgoing Dial Rules (checkbox), Dial Rules (text area), Dial Rules Wizards (dropdown menu with value '(pick one)'), Outbound Dial Prefix (text input), Outgoing Settings (checkbox), and Zap Identifier (trunk name) (text input with value g0). There are 'Add Trunk' and 'Trunk ZAP/g0' buttons on the right, and a 'Submit Changes' button at the bottom.

Enter the Outbound CallerID in the textbox(eg:100).Other places just keep the default values. Then, click the Button "Submit Changes" in the bottom of the page. After that, please click the Button "Apply Configuration Changes Here"

**Step 7:** Set the outbound router

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

## Add Route

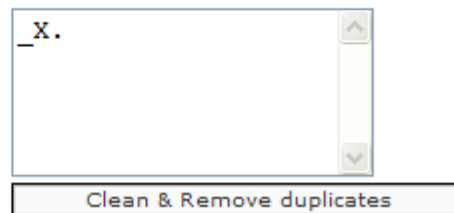
Route Name:

Enter the name in the Route Name textbox (You'd better write something easy to

identify)

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

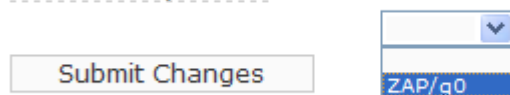
### Dial Patterns



A text input field containing the text "\_X.". Below the input field is a button labeled "Clean & Remove duplicates".

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

### Trunk Sequence



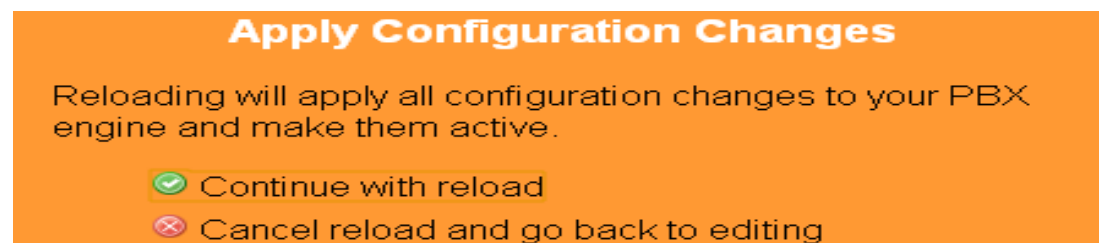
A button labeled "Submit Changes" is positioned to the left of a dropdown menu. The dropdown menu is open, showing the selected option "ZAP/q0".

Then, click the Button "Submit Changes". Then please click apply configuration changes as the following:



A navigation bar with a green background. It contains a "Help" link, a "Recordings" link, and a "Help" link. The "Apply Configuration Changes" button is highlighted in orange.

Click select "Continue with reload" button



A dialog box titled "Apply Configuration Changes" with an orange background. It contains the text "Reloading will apply all configuration changes to your PBX engine and make them active." Below this text are two radio buttons: "Continue with reload" (selected) and "Cancel reload and go back to editing".

**Step 8:** Set the inbound router

- Return to the main page, select the item "Inbound Router" on the left. You will get the following web page:

Please click "Add Incoming Route" button



A menu with five items: "Add Incoming Route" (highlighted in orange), "View All DIDs", "View User DIDs", "View General DIDs", and "View Unused DIDs".

- Add description in the Description textbox as following:

## Add Incoming Route

---

Description:

inbound1

- Add destination phone for the inbound router as the following:

### Set Destination

---

<input type="radio"/>	Phonebook Directory:	Phonebook Directory	▼
<input type="radio"/>	Terminate Call:	Hangup	▼
<input checked="" type="radio"/>	Extensions:	<1000> 1000	▼
<input type="radio"/>	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.