



AX2G4A Quick Start Guide with Elastix2.4.0

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Release note

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1.0	First Release		
2.0	Release the Quick start Guide	Daniel	2013-06-03

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Contact ATCOM

The Introduction of ATCOM

ATCOM is the leading VoIP hardware manufacturer in global market. We have been keeping innovating with customer's needs oriented , working with partners to establish a total solution for SMB VoIP with IP phone , IP PBX and Asterisk cards.

With over 10 years' experience of R&D , manufacturing and service in network and VoIP filed ; mission of creating the biggest value for IP terminals , we commit ourselves in supplying the competitive IP phone and other terminals for IP PBX , softswitch , IMS , NGN providers and carriers; supplying the competitive total VoIP solution for SMB market. We keep improving the customer's experience and creating the bigger value with our reliable products. Until now , our VoIP products has been sold to over 60 countries and used by millions of end users.

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Website address: <http://www.atcom.cn/>

Download Center: <http://www.atcom.cn/download.html>

1. Install ax2g4a/ax4g driver

Install the driver with Elastix2.4.0

- 1) Download the driver.

Users should download the drivers for the GSM card from ATCOM website. And we will release the latest version in the atcom download center: <http://www.atcom.cn/download.html>.

For example, user can get the driver as the link:

http://www.atcom.cn/cn/download/cards/ax4g/ax2g4a_ax4g_elastix2.4.0.tar.gz

- 2) Install the driver

When users install the driver with elastix, users need just tar the package and run the script.

Normally, the script will install the driver automatically.

```
[root@localhost src]# tar -zxvf ax2g4a_elastix2.4.0.tar.gz
```

```
[root@localhost src]# cd ax2g4a_elastix2.4.0
```

```
[root@localhost elastix_ax2g4a_driver]# ./ax4g_install.sh
```

- 3) Compatibility with the driver

When users install the driver correctly, it will be compatible with all the atcom asterisk cards. It means users need not install drivers for other atcom cards. For examples:

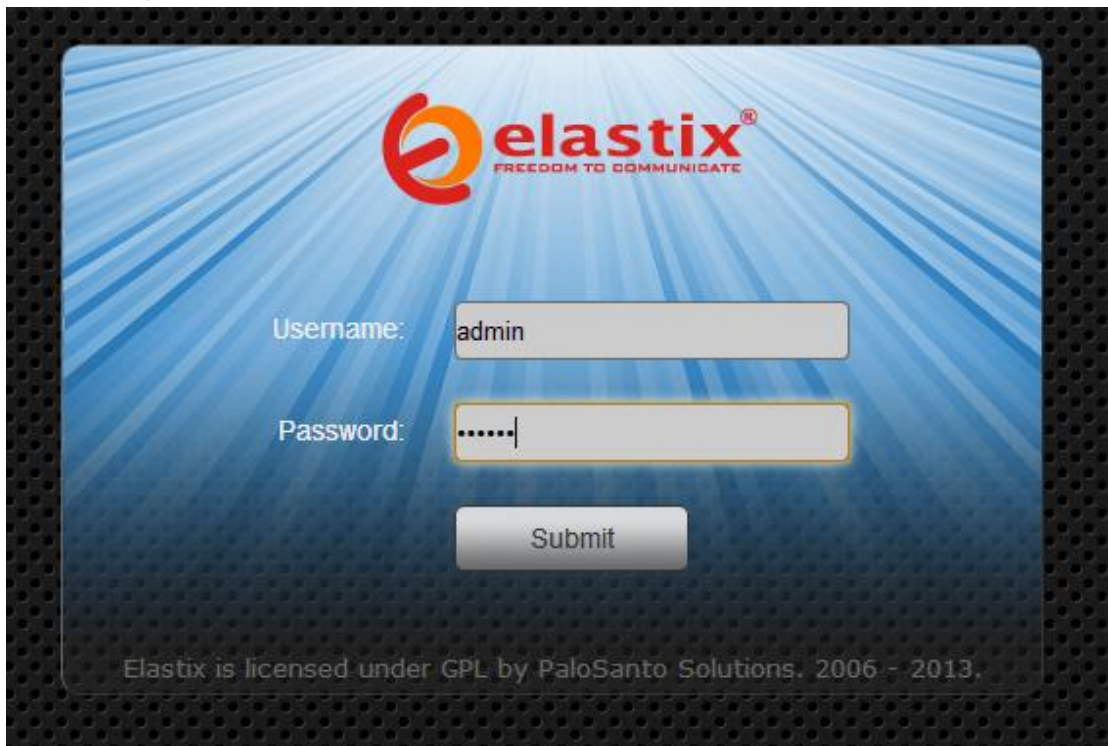
Card named	Module named
ax400p/axe400p	wctdm
ax800/axe800p	ax1600p
ax1600p/axe1600p	ax1600p
ax4g/ax2g4a	ax4g
ax1d/axe1d/axe1dl	AX1D
ax2d/axe2d/axe2dl	wct4xxp
ax4d/axe4d/axe4dl	wct4xxp
ax4b/axe4bl/axe2bl	wcb4xxp

2. How to configure your PBX

The Trixbox2.8.0.4 configuration webpage is the same as the Elastix2.0.3 configure webpage. So the following instruction will be an example to Elastix OS.

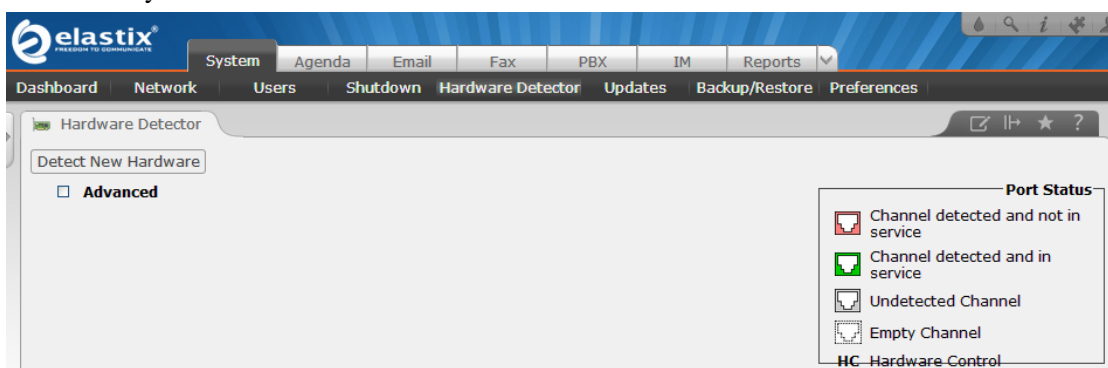
2.1. Log into the Elastix webpage

Please open the browser and input the server IP address, And then click on the submit button as the following illustration.

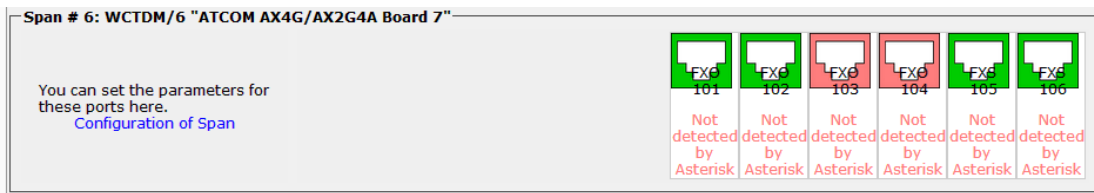


2.2. Detect the hardware

Users can click the “Hardware Detection” button to detect the hardware by the system automatically.



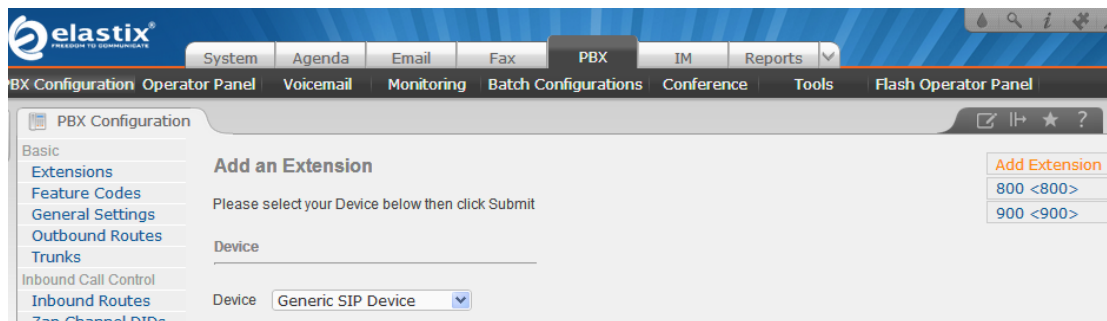
For example, if users have install the drivers for AX4G card firstly, users will get the following illustration.



2.3. Configure your PBX

1) Configure the PBX

Click the PBX button to jump into the pbx configuration page.



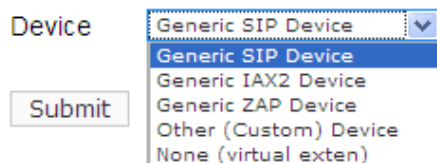
2) Add an SIP Extension

Click the “Add an extension --> Generic sip Device”. And then input the “Users Extension”, the “Display Name”, and “Secret”; Click the submit in the following illustration.

Add an Extension

Please select your Device below then click Submit

Device



Add SIP Extension

Add Extension

User Extension	<input type="text" value="300"/>
Display Name	<input type="text" value="300"/>
CID Num Alias	<input type="text"/>
SIP Alias	<input type="text"/>

Extension Options

Outbound CID	<input type="text"/>
Ring Time	Default ▾
Call Waiting	Disable ▾
Call Screening	Disable ▾
Pinless Dialing	Disable ▾
Emergency CID	<input type="text"/>

Assigned DID/CID

DID Description	<input type="text"/>
Add Inbound DID	<input type="text"/>
Add Inbound CID	<input type="text"/>

Device Options

This device uses sip technology.

secret	<input type="text" value="300"/>
dtmfmode	<input type="text" value="rfc2833"/>

Then , Click the “Apply Configuration Changes Here” bar in the top of the screen.

Apply Configuration Changes Here

3) Add a ZAP/DAHDI Trunk

a) Choose the “Add Zap Trunk (DAHDI compatibility)” button.

Add a Trunk

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

b) Set the Trunk Description: enter the name what you have set. Then choose the Dial Rules Identifier: g0. click on submit in the following illustration.

Add ZAP Trunk (DAHDI compatibility mode)

General Settings

Trunk Description:	<input type="text" value="trunk9"/>
Outbound Caller ID:	<input type="text"/>
CID Options:	<input type="text" value="Allow Any CID"/>
Maximum Channels:	<input type="text"/>
Disable Trunk:	<input type="checkbox"/> Disable
Monitor Trunk Failures:	<input type="checkbox"/> Enable

Outgoing Dial Rules

Dial Rules:	<div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>
	<input type="button" value="Clean & Remove duplicates"/>
Dial Rules Wizards:	<input type="text" value="(pick one)"/>
Outbound Dial Prefix:	<input type="text"/>

Outgoing Settings

Zap Identifier (trunk name):	<input type="text" value="g0"/>
<input type="button" value="Submit Changes"/>	

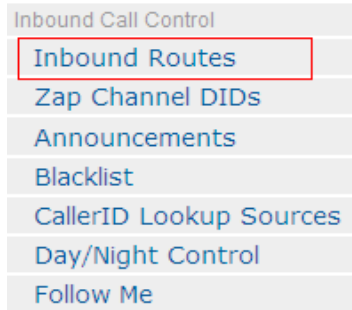
c) Then , Click the “Apply Configuration Changes Here” bar in the top of the screen.

[Apply Configuration Changes Here](#)

4) Add an Incoming Route

Add an incoming route, it will help you get incoming calls.

a) Click on “Inbound Routes” bar.



b) Input incom9 in the textbox of Description as the following screen:

Add Incoming Route

Add Incoming Route

Description:

DID Number:

Caller ID Number:

CID Priority Route:

c) Click the Extensions textbox, choose an extension number from the drop down selection box. Then click submit. Please refer to the following illustration:

Set Destination

Phonebook Directory:

IVR:

Terminate Call:

Extensions:

- <100> 100
- <900> 900
- <901> 901
- <1005> 1005
- <3000> 3000
- <6000> 6000

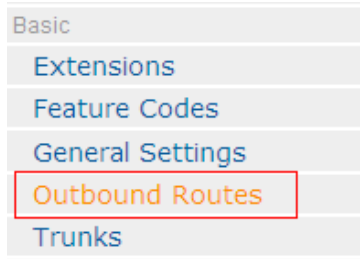
d) Click the “Apply Configuration Changes Here” bar in the top of the screen.



5) Add outbound route

Add an outbound route, it will help you get outbound calls.

a) Click on “outbound Routes” bar.



b) Input out_route9 in the textbox of Description as the following screen:

Add Route

The 'Add Route' form contains the following fields:

- Route Name: 9_outside (highlighted with a red box)
- Route CID: [empty]
- Route Password: [empty]
- Override Extension CID:

c) In the Dial Patterns , please input 9|. , it will help you get calls before you called number. Please refer to the following illustration:

The 'Dial Patterns' field is highlighted with a red box and contains the text '9|.'.

d) Choose the Trunk Sequence: ZAP/g0 ,Then click submit. Please refer to the following illustration:

The 'Trunk Sequence' dropdown menu is highlighted with a red box and shows 'ZAP/g0' selected.

e) Click the “Apply Configuration Changes Here” bar in the top of the screen.

