



# GSM Gateway Connect with FreeSWITCH® Server QUICKSTART GUIDE

**Default IP: 172.16.99.1** 

Username: admin

Password: admin

There are two LAN ports, please connect the gateway to Internet through one of LAN port and make sure connectivity by LED status.

### Configuration

⇒ Configure options in GUI:

- 1. Network parameters such as IP address;
- 2. SIP endpoint;
- 3. Routings;
- ⇒ Create a SIP trunk and edit dial rules in FreeSWITCH®
- ⇒ Register SIP extensions



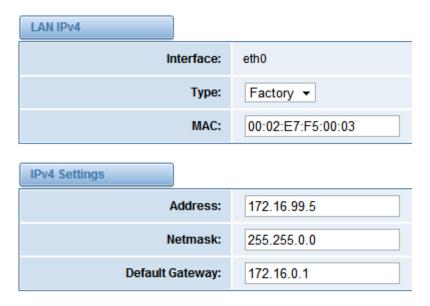
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#### Step 1. Set Network Parameters in Web

If your system topology like the figure described, please enter the gateway default IP address in your browser to login web, and click "NETWORK—>LAN Settings" to set network parameters such as IP.



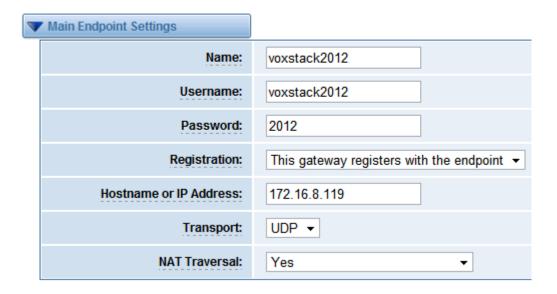
Save your changes. Please type in your DNS server in "DNS Server Address".



#### Step 2. Create a SIP Endpoint in Web

Please select "SIP—>SIP Endpoints—>Add New SIP Endpoint" to set SIP trunk. The following figure shows detail information about how to set it.

#### Add a New SIP Endpoint



About other parameters in SIP, please set by your requirements for there is no need to set them in simple calls.

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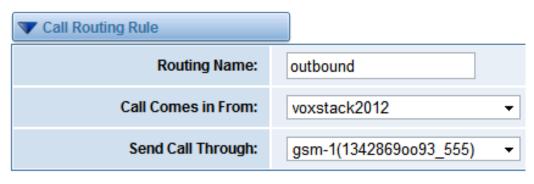


### Step 3. Set Routing Rules in Web

Click "ROUTING—> Call Routing Rules—> New Call Routing Rule" to set outbound and inbound routing rules like the following:

Call Routing Rule	
Routing Name:	inbound
Call Comes in From:	gsm-1(1342869oo93_555) -
Send Call Through:	voxstack2012 ▼

Save the inbound call routing rules, please set the outbound rules as introduced. In order to make all calls successfully, please enable and set failover function in advanced routing rule like that:





Please save all your changes to make effect.



## Step4. Create a SIP Trunk in FreeSWITCH®

Enter the directory of FreeSWITCH's default configuration directory, add the gateway's configuration in /usr/local/freeswitch/conf/directory/default/

vi /usr/local/freeswitch/conf/directory/default/voxstack.xml

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```
<include>
<user id="voxstack2012">
<params>
<param name="password" value="2012"/>
<param name="vm-password" value="9999"/><!--if vm-password is omitted pass-</pre>
word param is used-->
</params>
<variables>
<!--all variables here will be set on all inbound calls that originate from
this user -->
<variable name="user context" value="public"/>
<variable name="effective caller id name" value="voxstack"/>
<variable name="effective caller id number" value="2012"/>
<!-- Don't write a CDR if this is false valid values are: true, false,
a leg and b leg -->
<variable name="process cdr" value="true"/>
</variables>
</user>
</include>
```



# **Step 5. Dialing Rules in FreeSWITCH®**

Outbound rules realize dialing "9+destination number" to the remote party, and 9 can be replaced by any other digital. Edit the outband dialplan in /usr/local/freeswitch/conf/dialplan/default xml

Inbound rules realize all incoming calls transfer to SIP extension 3001. Edit the outband dialplan in /usr/local/freeswitch/conf/dialplan/public/00\_inbound\_did.xml.

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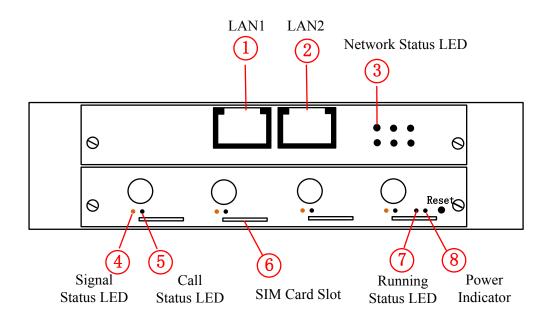




# Step 6. Register a SIP extension by software

Taking advantage of SIP software such as Xlite, eyeBeam to register a SIP extension(3001). After all above steps, you can try to make calls and send SMS.

#### **Front Panel**



③ Network Status LED	Green and Flash	Network Connected
<b>4</b> Signal Status LED	Green and Flash	Module Initiating
	Red and Flash	No SIM Card
	Red and No-flash	Worst Signal Quality
	Yellow and No-flash	Medium Signal Quality
	Green and No-flash	Best Signal Quality
⑤Call Status LED	Flash	Communicating
	Blind	Normal
© Running Status LED	Green and Flash	Work Normally
® Power Indicator	Always Green	Supply Power
During reset, all LED in	dicators flash.	

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