Release Note for TG800

Version 55.18.0.X

Yeastar Information Technology Co. Ltd.

===Firmware Version: V55.18.0.46==
Applicable Model: TG800
Release Date: June 13, 2016

New Feature

This firmware version supports new 3G module UC15. The UC15 module supports WCDMA and GSM. This new 3G module provides better voice quality and high stability. There are 3 UC15 models:

- **UC15-A**: for America
- **UC15-E**: for Europe
- **UC15-T**: for Thailand

Old 3G Module - SIM5215   **New 3G Module - UC15**

===Firmware Version: V55.18.0.43==
Applicable Model: TG800
Release Date: August 5, 2015

New Features

1. Added Auto CLIP feature.
2. Added FTP Enable and Disable option on "LAN Settings" page.
3. Added "OPTIONS Response 200" option on "SIP Settings" page.

Optimization

1. The character "+" is allowed in "custom country code" field on "Send SMS" page.
2. Supports to edit USSD in bulk.
3. To improve the system security, password for accounts "admin" and "sms" are not allowed to set to "password".

Bug Fixes

1. Fixed the issue that "Inbound Caller Pattern" filed with blank value could not work for the calls with blank caller ID from "IP to Mobile".
2. Fixed the issue that users might hear DTMF tones during a call even if no key was pressed.
3. Fixed the DTMF incompatibility issue with Panasonic PBX NS1000 that DTMF sending from TG gateway to Panasonic PBX could not be detected correctly.
4. Fixed the issue that the VoIP trunk could not work if "Outbound Proxy Server" was enabled for the trunk.
5. Fixed the incompatibility issue with LIME SIM card that SIM card status could not display properly on TG web user interface.
6. Fixed the issue that if only one GSM trunk was selected in a Port Group, the Port Group could not work properly.

New Features (Instruction)

1. **Added Auto CLIP feature.**
   Path: Gateway→Routes Settings→Auto CLIP Settings
   Instruction: TG gateway automatically stores information of failed "IP to Mobile" calls to the AutoCLIP routing table. For example, user A calls from PBX through GSM trunk on TG gateway to user B, but user B does not answer the call. When the user B returns the call, it will be routed directly to the user A.

2. **Added FTP Enable and Disable option on "LAN Settings" page.**
   Path: System→Network Preferences→LAN Settings
   Instruction:after enabling FTP, users could log in TG gateway via FTP. By default, the FTP is enabled.

3. **Added "OPTIONS Response 200" option on "SIP Settings" page.**
   Path:Gateway→ VoIP Settings→ SIP Settings→ Advanced Settings
   Instruction: if the option is set to "Yes", TG gateway will reply "200OK" if the SIP provider sends OPTIONS message.

Optimization (Instruction)

1. **The character "+" is allowed in "custom country code" field on "Send SMS" page.**
   Path: SMS→ SMS→ Send SMS
   Instruction:

2. Supports to edit USSD in bulk.

Path: SMS→ SMS→ USSD

Instruction: users could enter the global USSD content first, then select desired ports, click "Copy to the selected Port" to apply the global USSD the ports.

===Firmware Version: V55.18.0.40====

Applicable Model: NeoGate TG800

Release Date: March 24th, 2015

1. New Features

1. Added support for UMTS module.
2. Added support for remote extension.

2. Optimization

1. SSH Settings on "LAN Settings" page will take effect without rebooting.
2. Limit input to numbers and semicolon only for "Destination" field on "Send SMS" page.

3. Bug Fixes

1. Fixed the issue that the "Call Duration" value for GSM trunks would be a minus if the call durations of the GSM trunks were too long.
2. Deleted the useless script file "portabilidade.sh".
(/persistent/script/portabilidade.sh)

4. Instruction (New Features)

1. Added support for UMTS module.
There ae two kinds of UMTS module: SIM5215E and SIM5215J Module.
SIM5215E: Dual-Band UMTS/HSDPA 900/2100 MHz
Quad-Band GSM/GPRS/EDGE 850/900/1800MHz
SIM5215J: Dual-Band UMTS/HSDPA 850(800)/2100 MHz
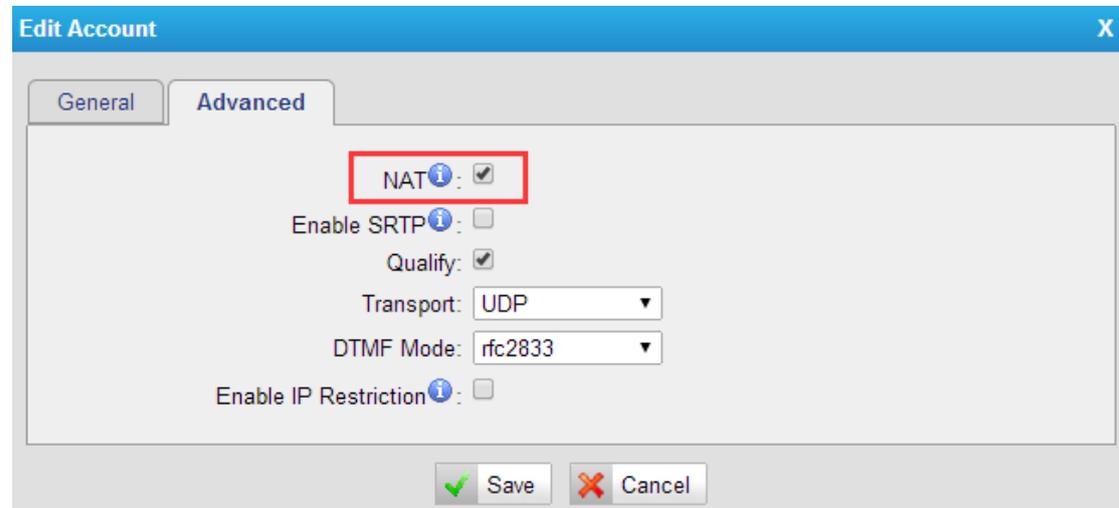Quad-Band GSM/GPRS/EDGE 850/900/1800/1900 MHz

UMTS Module—SIM5215E   UMTS Module—SIM5215J

2. Added support for remote extension.
Path: Gateway→VoIP Settings→VoIP Trunk
Instruction:
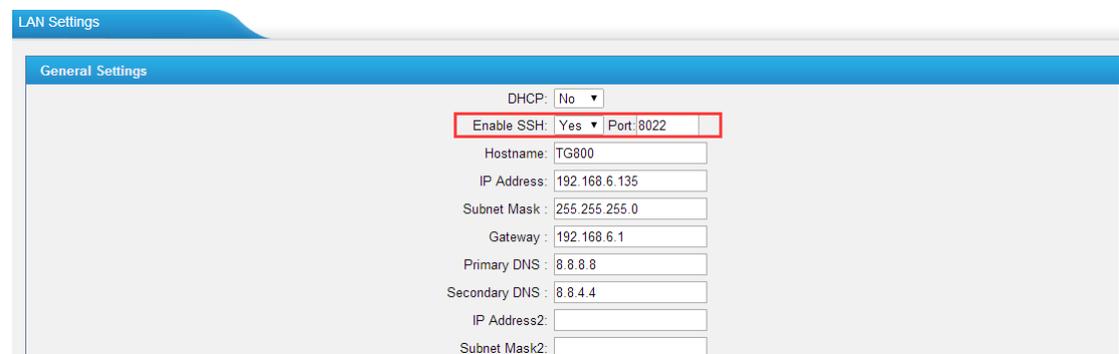Tick the new added option "NAT" for the "Account" type VoIP trunk, you can register the account remotely.

5. Instruction (Optimization)

1. SSH Settings on "LAN Settings" page will take effect without rebooting.
Path: System→Network Preferences→LAN Settings
Instruction:

2. Limit input to numbers and semicolon only for "Destination" field on "Send SMS" page.
Path： SMS→Send SMS
Instruction：

===Firmware Version: V55.18.0.39====

Applicable Model: NeoGate TG800

Release Date: October 13th, 2014

1. New Features

1. Added "IP Restriction" option in Account type VoIP Trunk creating page.
2. Added "Round up duration" option for each GSM trunk.
3. Added periodic clearing of call duration function for each GSM trunk.
4. Added configuration of GSM-SIP Response Code.
5. Added "Email to SMS" feature and "SMS to Email" feature.
6. Added "SMS Clear Settings" for SMS Outbox and SMS Inbox.
7. Added "Disable" feature for GSM trunks to limit outbound calls through the trunks.
8. The Subject and contents of Email alerts are configurable in Balance Alarm Settings.
9. Added a separate "sms" account to access the SMS settings.
10. Added GSM trunks batch edit feature.
11. Supports VPN network in "Static Route Settings".
12. Added "Hotline" option on a Route settings page with Simple Mode.
13. Added "NO CARRIER" status on Call Log page for the call failed caused by GSM.

2. Bug Fixes

1. Fixed the issue that the contents of Email alert are blank if sim2000c module was installed on NeoGate TG800.
2. Fixed the issue that the call transfer would fail if "No Answer" is selected on "Follow Me Settings" page.
3. Deleted useless "TFTP" settings on "Security Center" page.
4. Fixed the issue that the SMS would be sent to a wrong number if you replied a SMS on the Inbox page and checked "Do not need the plus sign". The system deleted the

first character of the destination number without detecting the plus sign. For example, if you replied a SMS to number 15880270800 and checked "Do not need the plus sign", the SMS would be sent to number 5880270800.

5. Fixed the issue that the description of pop-up error message was incorrect when no DID number or invalid DID number was configured.

6. Fixed the issue that only 88 SMS contacts could be deleted even if all the SMS contacts were selected.

7. Fixed the issue that there was no prompt box for IP Blacklist when logging in the system.

8. Fixed the issue that there was a 502 Bad Gateway error or nothing displayed on Trunk Status page when the system was under SMS bomb.

9. Fixed the issue that the contacts would be missed when selecting all the 10 groups of contacts on Send SMS page.

10. Fixed the bug that the system did not send the original caller ID to VoIP Server but the SIM card number (which is installed on NeoGate TG) when a call came in NeoGate TG to a VoIP Server.

11. Fixed the issue that a "beep" sound would be heard when a call was answered on SIP side.

12. Fixed the issue that deleting system logs could not work correctly.

13. Fixed the issue that the GSM trunk status would be "READY Called to" and the trunk became unavailable when there were plenty of incoming calls to NeoGate TG.

3. Instruction (New Features)

1. Added "IP Restriction" option in Account type VoIP Trunk creating page.

Path: Gateway→VoIP Settings→VoIP Trunk
Instruction:
When it's configured, only the permitted IP can register this account. All the other registry requests will be denied.
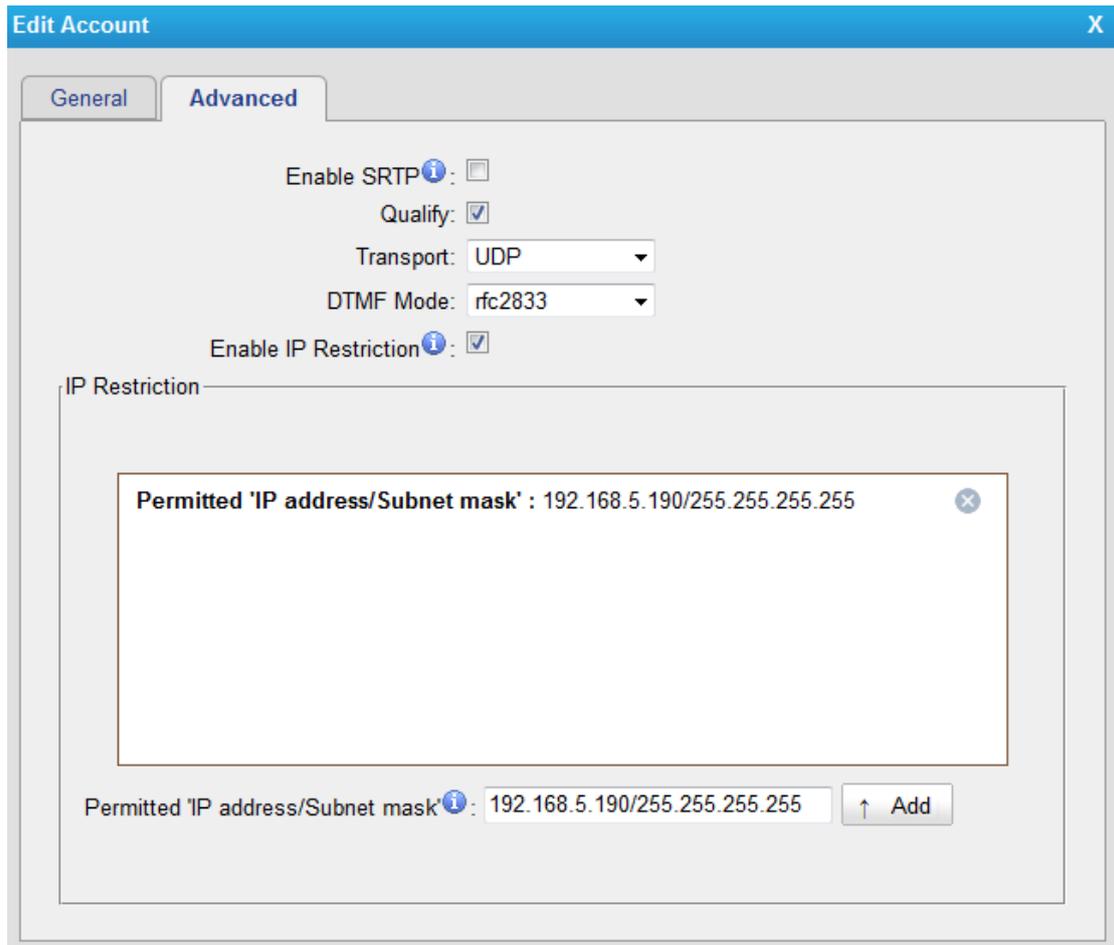
2. Added "Round up duration" option for each GSM trunk.
Path: Gateway→Module List→Module List
Instruction:
The round up duration setting provides a precise way for billing clients as your preference. The default setting is 60 (seconds). Once the setting is changed, the call duration for this GSM trunk will be cleared.
For example, if the Round up duration value is set to 10 (seconds), the call is charged every 10s, shorter than 10 will be rounded up to 10 .

3. Added periodic call duration clearing function for each GSM trunk.
Path: Gateway→Module List→Module List
Instruction:
This function is to reset the call duration to zero periodically. It can be set by day, week or month.

You can also clear the call duration manually by clicking the call duration value on Module List page.

Path: Gateway→Module List→Module List

Instruction:

4. Added configuration of GSM-SIP Response Code.

Path: Gateway→VoIP Settings→SIP Settings

Instruction:

The settings define which respond code to send to VoIP Server for a failed call from NeoGate TG to VoIP Server.

5. Added "Email to SMS" feature and "SMS to Email" feature.

Path: SMS→SMS Settings

Instruction:

1) Enable SMS to Email

If you enable this, as soon as the GSM trunk receive an SMS, NeoGate TG will send it to the email addresses listed on the Email List.

You can add email addresses to the Email List.

2) Enable Email to SMS

If you enable this, you can send SMS by sending an email to the specified address (which is set in "Email Settings").

3) Email Settings

1. If you want to use "SMS to Email", POP3 must be configured.

2. If you want to use "Email to SMS", SMTP must be configured.

3. If you configure the POP3 setting, NeoGate TG will download emails from the

mail server regularly. Once downloaded, the emails will be deleted from the mail server.

6. Added "SMS Clear Settings" for SMS Outbox and SMS Inbox.
Path: SMS→SMS Clear Settings
Instruction:
SMS Clear Settings are designed to automatically delete texts from the GSM numbers after a given amount of time. This will keep you inbox and outbox nice and clean.

7. Added "Disable" feature for GSM trunks to limit outbound calls through the trunks.
Path: SMS→SMS Clear Settings
Instruction:
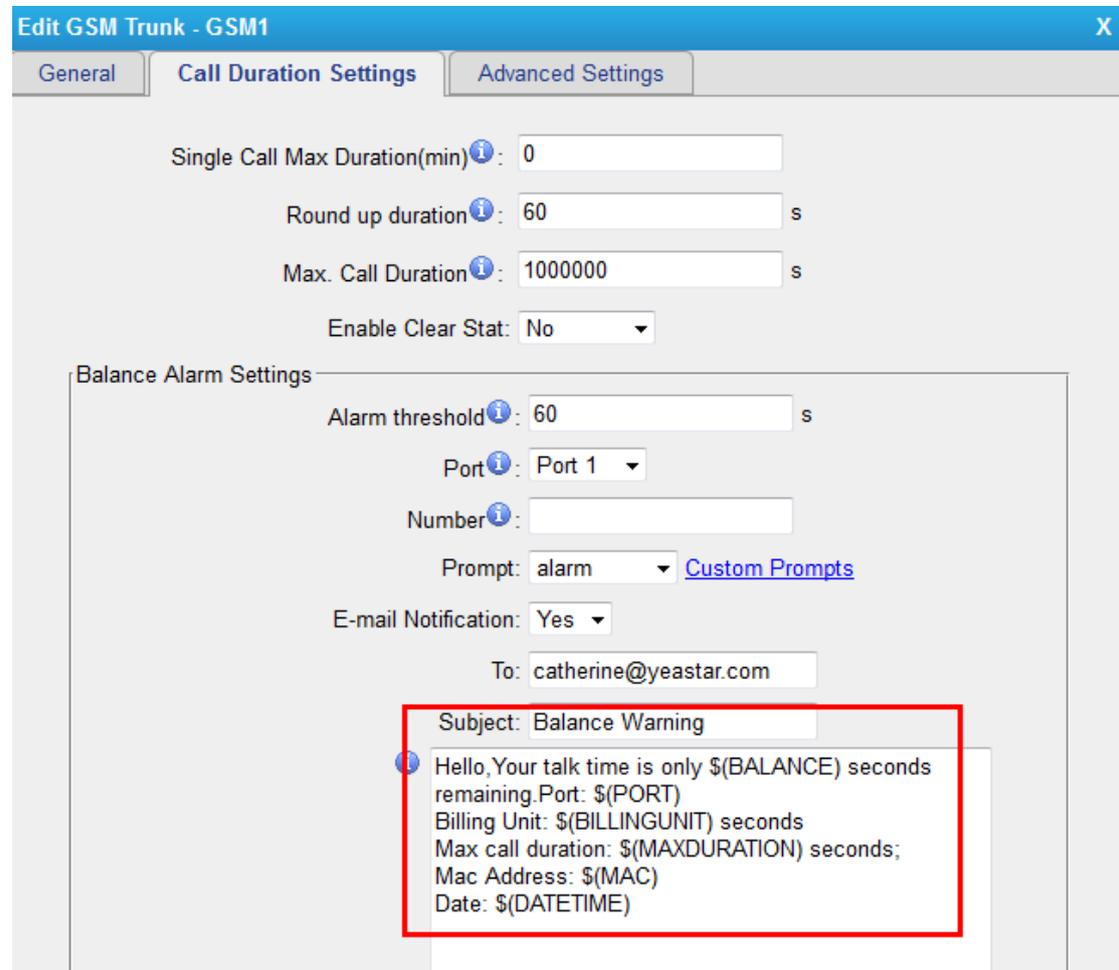The GSM trunk will be unavailable to make calls after disabling.

	Port	Trunk Name	Type	Single Call Max Duration(min)	Max. Call Duration(s)	Call Duration(s)	Enabled/Disabled	Power On/Off	Reboot Module	
☐	1	GSM1	GSM	0	0	120	Disabled	Power Off	Reboot	✏
☐	2	GSM2	GSM	0	0	0	Disabled	Power Off	Reboot	✏
☐	3	GSM3	GSM	0	0	432840	Disabled	Power Off	Reboot	✏
☐	4	GSM4	GSM	0	0	434400	Disabled	Power Off	Reboot	✏
☐	5	GSM5	GSM	0	0	424080	Disabled	Power Off	Reboot	✏
☐	6	GSM6	GSM	0	0	0	Disabled	Power Off	Reboot	✏
☐	7	GSM7	GSM	0	0	440760	Disabled	Power Off	Reboot	✏
☐	8	GSM8	GSM	0	0	406860	Disabled	Power Off	Reboot	✏

8. The Subject and contents of Email alerts are configurable in Balance Alarm Settings.

Path: Gateway→Mobile List

Instruction:

You can customize the email subject and the content by yourself.

9. Added a separate "sms" account to access the SMS settings.

Instruction:

Log in NeoGate by user name "sms", you can manage the SMS settings.

The default password is "password".

10. Added GSM trunks batch edit feature.

Path: Gateway→Mobile List→Mobile List

Instruction:

Select the desired GSM trunks, and you can do power off/on, reboot, disable or enable operation for these trunks at one time.

11. Supports VPN network in "Static Route Settings".

Path: Gateway→Mobile List→Mobile List

Instruction:

You can add a static route for a VPN network.

12. Added "Hotline" option on a Route settings page with Simple Mode.

Path: Gateway→Routes Settings→Mobile to IP / IP to Mobile

Instruction:

13. Added "NO CARRIER" status on Call Log page for the call failed caused by GSM.

Path: Gateway→Routes Settings→Mobile to IP / IP to Mobile

Instruction:

When you make a call to an invalid GSM number, the status will show "NO CARRIER".

===Firmware Version: V55.18.0.34====

Applicable Model: NeoGate TG800

Release Date: May 15th, 2014

1. New Features

1. Added "Echo cancellation algorithm" option on "General Preferences" page.
2. Supports new modules SIM800 and SIM2000C.

2. Bug Fixes

1. Fixed the issue that the device would reboot itself when there were massive calls made on the system.
2. Fixed the issue that the GSM trunk signal would be lost after the SIM module has been working for a period of time on NeoGate TG.
3. Fixed the issue that SMS sent out would have messy codes at the end of the original message if the SMS has more than 70 characters, containing Chinese characters and numbers or Chinese characters and English characters.
4. Fixed the Caller ID display bug. The scenario is that two SIM cards were inserted on NeoGate TG, the first one with Caller ID feature activated, the second inactivated. Call 1: call the second number, the Caller ID would show Unknown. Call 2: call the first number, the Caller ID would be correctly displayed. Afterwards, insert the two SIM cards to each other's slot. The card with Caller ID off would always display the number that dialed the first card in Call 2, no matter which number called it.
5. Fixed the issue that the spam messages from China Mobile would be shown as gibberish on NeoGate TG "Inbox" page.

3. Instruction (New Features)

1. Added "Echo cancellation algorithm" option on "General Preferences" page.

Path: Gateway→VoIP Settings→General Preferences
Instruction:
Users can adjust the echo cancellation algorithm according to their circumstances to get better voice quality.

2. Supports new modules SIM800 and SIM2000C.

Instruction:

After upgrading to the new firmware, all the old and new modules can be used on the device.

Please check the following pictures of the old module SIM900 and two new modules SIM800, SIM2000C.

SIM 900   SIM800   SIM2000C

Figure 3-1

Only the frequency band "CELL_800/PCS_1900" is supported on SIM2000C currently. More frequency bands will be supported on module SIM2000C soon.

The identification number on SIM2000C is called ESN (Electronic Serial Number), while it is called IMEI(International Mobile Equipment Identity) on SIM900 and SIM800.
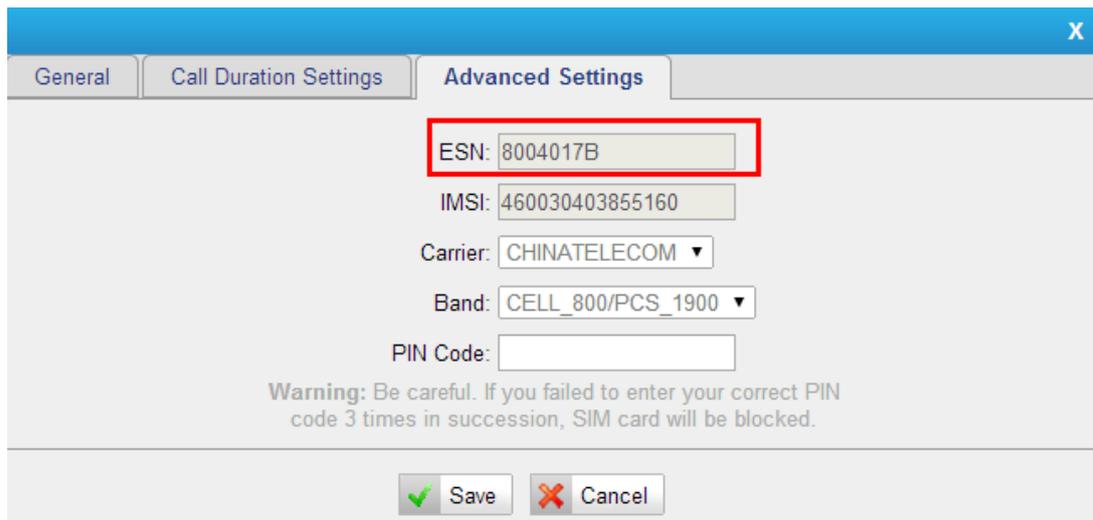
Figure 3-2

The function of the new module SIM800 is the same as the old module SIM900.
The Bands supported on SIM800 and SIM900 are:
PGSM900
DCS1800
PCS1900
EGSM900
GSM850
EGSM900/DCS1800
GSM850/PCS1900
EGSM850/PCS1900

===Firmware Version: V55.18.0.31====

Applicable Model: NeoGate TG800

Release Date: May 7th, 2014

1. New Features

1. Added Web GUI Language Russian.
2. Added SMS/USSD ports for sending message through HTTP.
3. Added Azerbaijan Country Code on SMS Settings page.

2. Bug Fixes

1. Fixed the issue that configurations made on "API Settings" page would not take effect.

2. Fixed the issue that "DID Number" settings on "IP to Mobile" route could not work.

3. Fixed the issue that inquiry would fail when enabling ''Call Waiting'' for selected GSM port.

4. Fixed the issue that inquiry would fail when enabling "Follow me" for selected GSM port.

5. Fixed the issue that a character-based caller ID of GSM trunk would not work correctly.

6. Fixed the issue that the "Caller" showed "s" on "Call Logs" page if the PBX and NeoGate TG are connected by "Account" Mode and incoming calls go to PBX through NeoGate TG.

7. Fixed the issue that it would fail to receive a SMS, which has more than 70 characters.

8. Fixed the issue that it would fail to send a SMS, whose 160th character is a special character.

9. Fixed the issue that system would automatically catch the next GSM trunk to make another call to the callee if the callee refused the previous call.

10. Fixed the issue that not all SMS could be deleted when batch deleting on "Outbox" page.

11. Fixed the issue that Asterisk would reboot if an incoming call to NeoGate TG was routed to an unregistered VoIP account on TG.

3. Instruction (New Features)

1. Added Web GUI Language Russian.

Instruction:

2. Added SMS/USSD ports for sending message through HTTP.

Instruction:

Users can send SMS or USSD via HTTP through NeoGate TG.

Sending SMS format:
http://[IP]/cgi/WebCGI?1500101=account=[user]&password=[pass]&port=[port]&destination=351[phone_number]&content=[MSG]

Sending USSD format:
http://[IP]/cgi/WebCGI?1500102=account=[user]&password=[pass]&port=[port]&content=[MSG]

[IP]: NeoGate TG IP address

[User]: The "Username" you set on "API Settings" page.

[pass]: The "Password" you set on "API Settings"

[port]: Sending message from selected GSM port on NeoGate

[phone_number]: The destination phone number.

[MSG]: The content of the message that you want to send.

Please check the following example SMS message from web.

If you want to send a message "Hello world!!" to phone number　15880270900 through NeoGate TG GSM port 1.
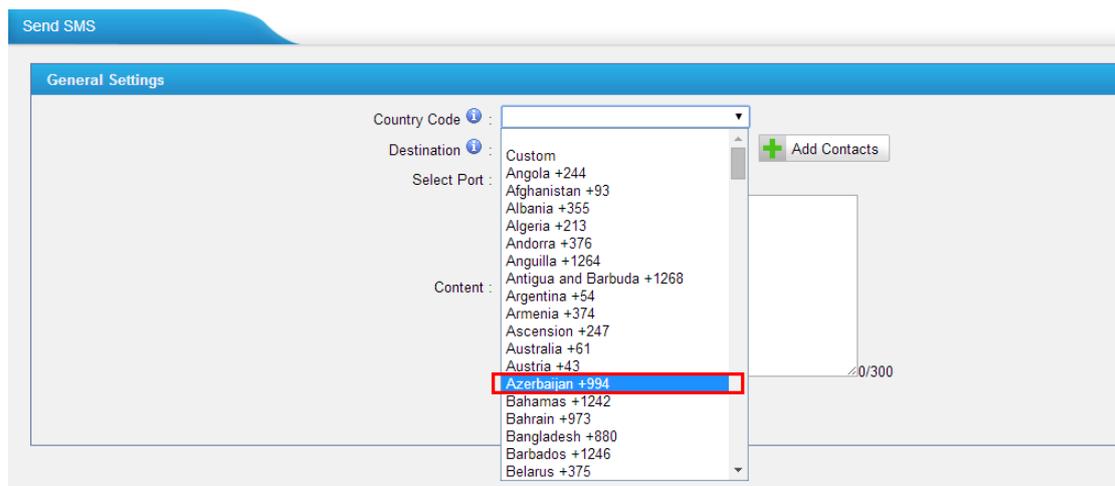
The URL format should be like this:

http://192.168.5.176/cgi/WebCGI?1500101=account=apiuser&password=password&port=1&destination=15880270900&content=Hello world!!

3.Added Azerbaijan Country Code on SMS Settings page.

Path: SMS→Send SMS

Instruction:

Azerbaijan country code is supported when users try to send SMS.

[The End]