



## **Release Note**

**Version: R2.3.1.4325**

**Models: X3S/X4/S2/S4**

**Date: 2017-10-13**

## 1 New Features

1. Add language selection in the first booting interface
2. Add Ukrainian language
3. Add Korean language **NOTE:** Need to upgrade Korean font for color screen phone
4. Add server recording function **NOTE:** Work with Fanvil server recording software
5. Add Fanvil phone book search function **NOTE:** Work with Fanvil VoIP server software
6. Add web firewall
7. Add soft key exit key selection
8. Add VMU(Voice Message Unit) voice prompt
9. Add HTTPS protocol in action URL
10. Add hiding function of password item in the configuration file **NOTE:** default close
11. Add TLS configuration items in TR069 module
12. Add phone number hiding selection
13. Add soft key configuration
14. Add long press OK key to reset phone **NOTE:** Default close
15. Add conference selection in DSS key which can press once to come through the meeting
16. Add custom SIP Info
17. Add RTP Keep alive
18. Add auto headset selection
19. Add configuration file format of the point division method
20. Support BLF list for VoipSwitch server

## 2 Optimization

1. Optimize standby event prompt function, add icon display in status bar system event

2. Optimize LDAP query module
3. Optimize short message display, support receive SMS automatic display
4. Optimize DSS Call Park function, support subscription Call Park number status
5. Optimize SIP TLS security check function
6. Optimize SIP SRV search processing function
7. Optimize voice parameters
8. Optimize RTP receives the check and processing function
9. Optimize Sip hot spot automatic discovery function, support different group hotspots to discover connections automatically
10. Remove click to talk UI prompt box to simplify the operation
11. Optimize keyboard lock function, support timeout automatic upper lock
12. Optimize default line function is enabled by Default
13. Optimize Ring/Ring forward pick/free/earphone to answer
14. Optimize standby clock is switched on, it is gray, only after synchronization time, it will be refreshed to normal color
15. Optimize in standby screensaver only display number, no longer display names
16. Optimiz the feature of the volume value of DTMF 2833 by default to -10db
17. Update CURL to 7.54.0 to solve the problem of CURL download occasionallyOptimized the feature of
18. Add configuration control to receive 18x IVR if you want to play RTP, play by default
19. Add the current WAN Vlan Id value to the LCD Menu network information page
20. Add the Redia function configuration item to control the default behavior of RedialOptimized the feature of
21. DSS increases the Memory Key subtype icon
22. Optimize Chinese and Japanese library (for S2, X2C phone)
23. Optimize rule of code processing, which supports the matching of rules of the same prefix
24. Optimize \* key processing behavior of the dial input state

- 25. Optimize UaCSTA module function to improve stability
- 26. Optimize the principle of key handling under screen mode

### 3 Bug Fixes

- 1. Fix system time is not synchronized, the upgrade failure will be a problem if the system time is not synchronized
- 2. Fix phone was called, when the phone didn't receive an ACK on the right side. phone did not send the BYE immediately
- 3. Fix the feature of there is no Contact field issue with the message that replies to the 200 OK messages of some SIP Info packages
- 4. Fix contents of the ldap phone cannot be returned to the superior. Press the exit button to return to the phone standby interface
- 5. Fix URL of Auto after Auto has no protocol, and the system will automatically add the FTP protocol
- 6. Fix web-call log records show the wrong problem
- 7. Fix DND is canceled, the dsskey lamp does not change
- 8. Fix IP call (the main call), hang up, the call record number is empty
- 9. Fix 3CX RTCP-XR JSON data format error problem
- 10. Fix the feature of on some servers, third-party issues cannot be implemented
- 11. Fix a contact has multiple Numbers, the Redial key is not handled
- 12. Fix attend the transfer/half attendance to the test machine, the test phone shows the problem of name error
- 13. Fix the name of the contact group is an LCD display in Arabic
- 14. Fix the domain name resolution xxx.xxx.xxx.255 occasionally causes the connection server to fail
- 15. Fix the XML push display problem
- 16. Fix the option100 parsing problem

17. Fix the SIP Head is too large to cause the buff overflow problem when sending messages
18. Fix the failure of SIP authentication after the Agent account
19. Fix the problem with Keep Alive message port when using domain name registration
20. Fix the problem of contact downloading is not complete when auto is available
21. Fix the the call log will show the black block problem,when the contact Chinese name is too long
22. Fix the SIP Group master backup function in some cases does not have an effective problem
23. Fix the problem about Broadsoft
24. Fix the problem about 3CX
25. Fix the auto provisioning updates the dynamic encrypted configuration file causes the machine to restart the problem
26. Fix the after enabling the rport function, you can register an abnormal problem on some servers
27. Fix the machine cannot play Hold Music in some server environments,
28. Fix the WEB pages occasionally display random code problem

## 4 New Features Descriptions

1. **Add the feature of server recording function (with fanvil server recording software)**

**Description:** In the web page application page to open the recording, set the type of server recording and set the server address and port. Set the function-keyevent-record. The recording server is on (using fanvil recording software), set up a call, press the set recording key, start recording, press the recording key again to end the recording. You can see the recording file on the server side, you can download to the local playback recording files

Note: The current recording software only supports PCMA, PCMU, G722 encoding

Features Audio MCAST Time/Date Advanced Trusted Certificates

System  
Network  
Line  
Phone settings  
Phonebook  
Call logs  
Function Key

Common Settings >>  
Power Led Settings >>  
Record Settings >>

Enable Record ☒  
 Enable Server Record ☒  
 Server Address 172.16.6.39  
 Apply

Codecs Settings PCMA  
 Server Port 10000

Action URL Event Settings >>

Function Key Softkey Advanced

Function Key Settings

Dsskey Transfer Mode Make a New t Apply

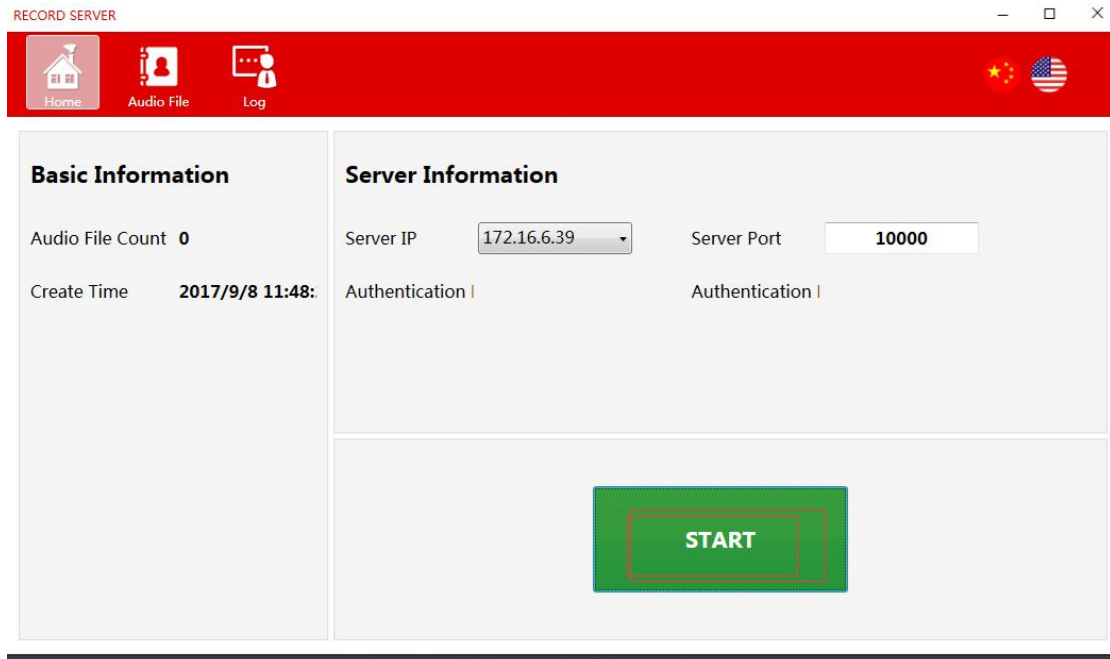
Page1 Page2 Page3 Page4 Page5 Delete Add New Page

Key	Type	Name	Value	Subtype	Line	PickUp Number
DSS Key 1	Line			None	SIP1	
DSS Key 2	Line			None	SIP2	
DSS Key 3	Line			None	SIP3	
DSS Key 4	Line			None	SIP4	
DSS Key 5	Line			None	SIP5	
DSS Key 6	Line			None	SIP6	
DSS Key 7	Key Event			MWI	AUTO	
DSS Key 8	Key Event			Headset	AUTO	
DSS Key 9	Key Event			Record	AUTO	
DSS Key 10	None			Call Back	AUTO	
DSS Key 11	None			Hide DTMF	AUTO	
DSS Key 12	None			Intercom	AUTO	

Apply

NOTE

Description:  
Custom function keys can be set as line keys, BLF and other function keys.



## 2. Add the fanvil phone book search function (with fanvil voip server software)

**Description:** Fanvil xml cloud phone book, browse is the current level of GET xml file, the query is the current level of the xml contact; incoming call, the xml Internet phone book all the files are downloaded to the local query

## 3. Add the web firewall function

**Description:** You can set whether to enable input and output firewall, and can set the firewall input and output rules, the use of these settings can prevent some malicious network access, or limit the internal user access to some of the external network resources, improve security

**Firewall Type**

Enable Input Rules ☐      Enable Output Rules ☐

Apply

**Firewall Input Rule Table**

Index	Deny/Permit	Protocol	Src Address	Src Mask	Dest Address	Dest Mask	Range	Port
-------	-------------	----------	-------------	----------	--------------	-----------	-------	------

**Firewall Output Rule Table**

Index	Deny/Permit	Protocol	Src Address	Src Mask	Dest Address	Dest Mask	Range	Port
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**Firewall Settings**

Input/Output:       Src Address:

Deny/Permit:       Dest Address:

Protocol:       Src Mask:

Port Range:        Dest Mask:

Add

**Rule Delete Option**

Input/Output:       Index To Be Deleted:

Delete

#### 4. Add the feature of soft Key about exit Key style selection function

**Description:** You can set the softkey exit key to be displayed on the left or right

**Softkey Settings**

Softkey Mode:  ?

Softkey Exit Style:  ?

Screen:  ?

**Unselected Softkeys**

- None
- Call Back
- Clear
- In
- Join
- Missed
- MWI
- Next Line(Next)
- Dialed
- Pause
- Phonebook(Dir)
- Pickup
- Prev Line(Prev.)
- Redial
- Remote XML(R-XML)

**Selected Softkeys**

- Delete
- History
- Dial
- Exit

Apply

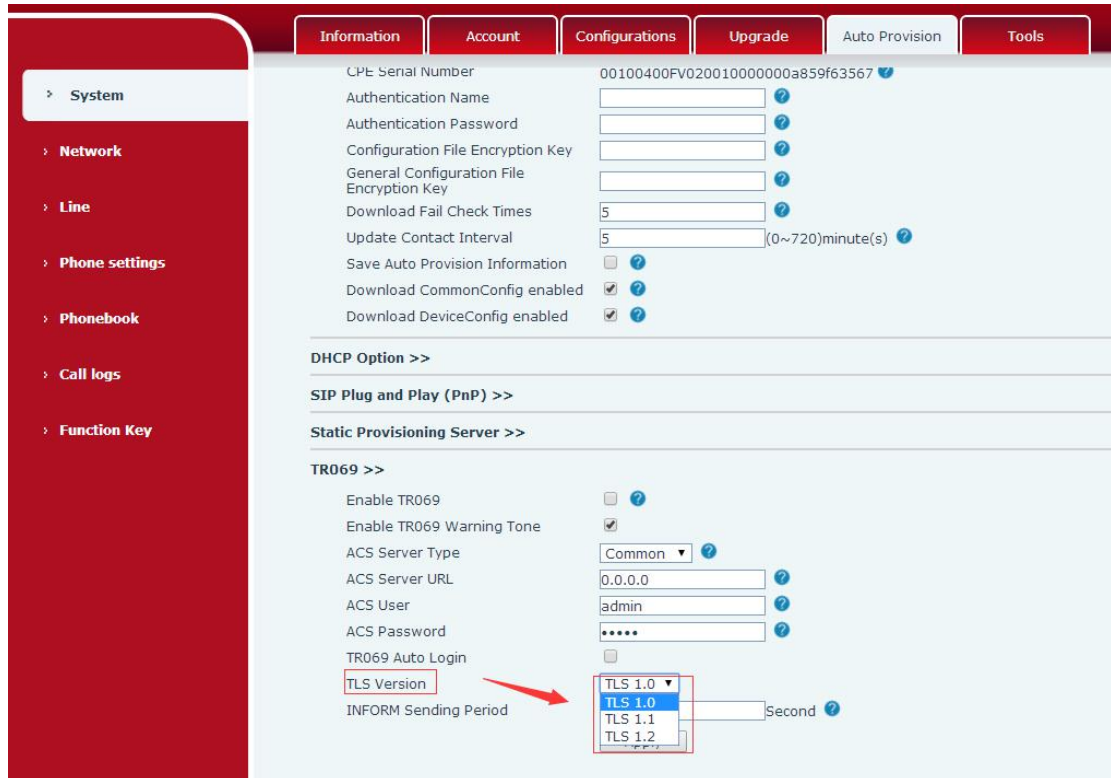
#### 5. Add the feature of configure the password item in the configuration file to increase the password hiding function. The default is closed

**Description:** "<PHONE FEATURE MODULE>" module to increase the configuration "Hide Password:" to control whether the password is displayed when the configuration file is exported. When 0 is displayed, the password is 1, the password is hidden.



## 6. Add the feature of the TR069 module adds TLS configuration items

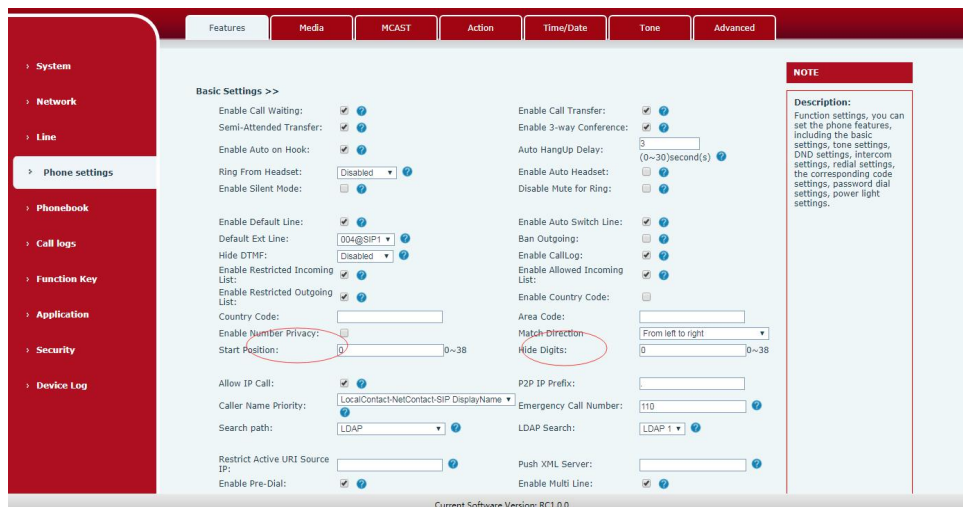
**Description:** In the auto provision-tr069 can choose tls version



The screenshot shows the Fanvil web interface with the 'Configurations' tab selected. The left sidebar contains a menu with 'System', 'Network', 'Line', 'Phone settings', 'Phonebook', 'Call logs', and 'Function Key'. The main content area displays various configuration fields. Under the 'TR069 >>' section, the 'Enable TR069' checkbox is checked. The 'ACS Server Type' is set to 'Common'. The 'ACS Server URL' is '0.0.0.0', 'ACS User' is 'admin', and 'ACS Password' is masked. The 'TR069 Auto Login' checkbox is checked. The 'TLS Version' dropdown menu is open, showing options: TLS 1.0, TLS 1.1, and TLS 1.2. A red arrow points to the dropdown menu. The 'INFORM Sending Period' is set to 'Second'.

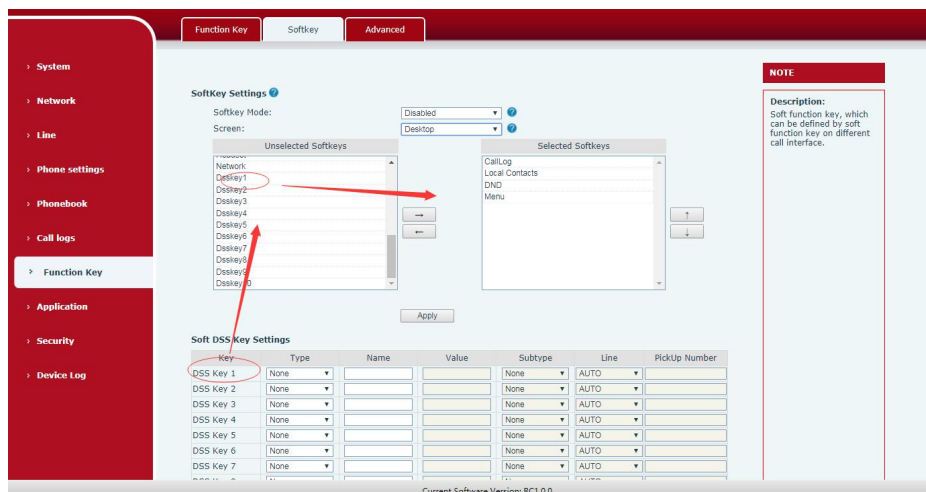
## 7. Add the feature of the phone number hides the function to meet the call center number privacy requirements

**Description:** Enter the page phone settings-features page, open the number of privacy, fill in the starting position, select the starting direction, fill in the hidden number of bits. When the phone has an incoming call, the corresponding number is hidden



## 8. Add the feature of soft Dss Key function (you can configure Dss Key on soft Key)

**Description:** Into the web page, function key-sofekey page, you can set the Soft Dss Key, set up, the corresponding Dss key moved to the right. The phone will have a corresponding sofe key display, you can do the appropriate operation



## 9. Add the feature of the long pressing the OK key to Reset the system. Off by default

**Description:** Into the web page function key-Advanced page, set the desktop long pressed the key value for the reset. Standby press the corresponding key key for 6 seconds, there will be clear configuration tips page, you can choose whether to clear the configuration

**Function Key Settings**

Reset BLF Transfer Type: Make a New Call Apply

Key	Type	Name	Value	Subtype	Line	PickUp Number
DSS Key 1-1	Line			None	SIP1	
DSS Key 1-2	Line			None	SIP2	

Apply

**Programmable Key Settings**

Key	Desktop	Dialer	Calling	Desktop Long Pressed
Up	Call logs	Prev Line(Prev.)	Prev. Call	Reset to factor
Down	Status	Next Line(Next)	Next Call	None
Left	Pre Account	None	Volume Down	None
Right	Next Account	None	Volume Up	Speed Dial
OK	Main Menu	None	None	None

Apply

## 10. Add the feature of Dss BLF/Conference key, one key into the meeting

**Description:** Phone into the web page or lcd the function key interface, set the dss key type for the memory key, subtype for the blf / conf, value is to join the number A. If the A phone and B phone has a call, then press the set dss key, will join the A, B call to, and A, B phone to establish a three-way call.

**Function Key Settings**

Dsskey Transfer Mode: Make a New C Apply

Page1 Page2 Page3 Page4 Page5 Delete Add New Page

Key	Type	Name	Value	Subtype	Line	PickUp Number
DSS Key 1	Line			None	004@SIP1	
DSS Key 2	Line			None	SIP2	
DSS Key 3	Line			None	SIP3	
DSS Key 4	Memory Key		+3600	BLF/CONF	004@SIP1	
DSS Key 5	Line			None	SIP5	
DSS Key 6	Line			None	SIP6	
DSS Key 7	Key Event			MWI	AUTO	
DSS Key 8	Key Event			Headset	AUTO	
DSS Key 9	None			None	AUTO	
DSS Key 10	None			None	AUTO	
DSS Key 11	None			None	AUTO	
DSS Key 12	None			None	AUTO	

Apply

**NOTE**

Description: Custom function keys can be set as line keys, BLF and other function keys.

## 11. Add custom SIP Info function

**Description:** Enter the web page [line]->[sip] and set the flash mode. You can enable the local flash function, or send sip info

The screenshot shows the 'SIP' settings page in the Fanvil web interface. The left sidebar contains a menu with options: System, Network, Line, Phone settings, Phonebook, Call logs, Function Key, Application, Security, and Device Log. The 'Line' option is selected. The main content area displays various SIP configuration fields. A red circle highlights the 'Flash Mode' dropdown menu, which is currently set to 'SIP Info'. Other visible settings include SIP Version (RFC3261), Local Port (5060), Anonymous Call Standard (None), Ring Type (Default), Use Tel Call (checked), Transportation Protocol (UDP), Enable PRACK (checked), DNS Mode (A), Enable Strict Proxy (checked), Convert URI (checked), Enable GRUU (checked), Enable Use Inactive Hold (checked), Use 182 Response for Call waiting (checked), Enable SCA (checked), Server Expire (checked), uaCSTA Number, VQ Server, VQ Http/Https server, Flash Info Content-Type, Pickup Number, and Intercom Number. At the bottom, there is a 'SIP Global Settings >>' link and an 'Apply' button. The footer indicates 'Current Software Version: RC1.0.0'.

## 12. Add RTP Keep alive function

**Description:** Call hold when the opportunity to send RTP from time to time to stay connected

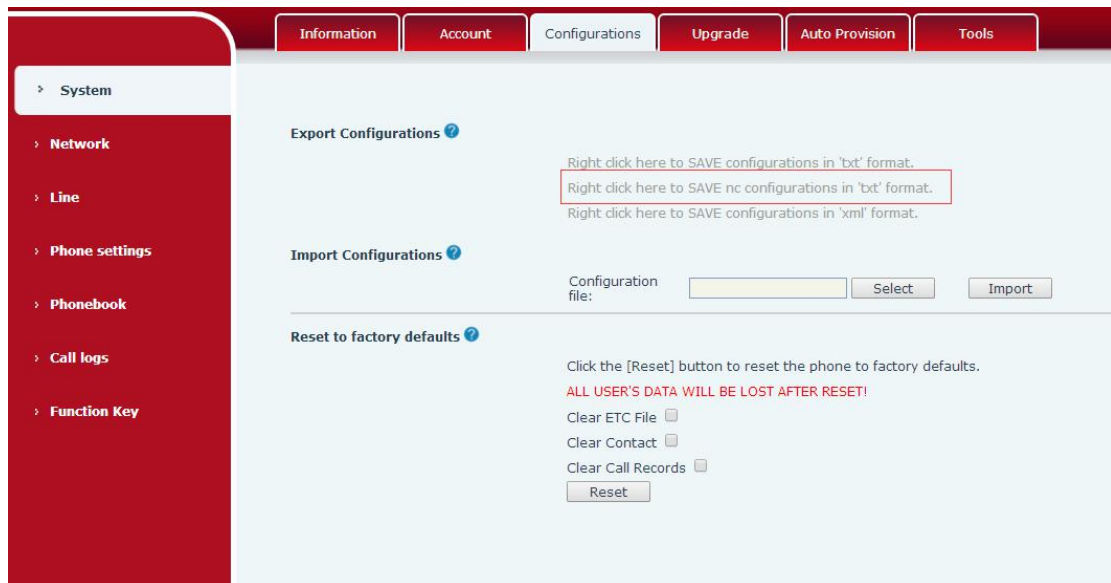
## 13. Add auto Headset function, improve headset operation

**Description:** Enter the web page [function key page], set the DSS key type for the key event, subtype for the auto headset. Standby can press the corresponding DSS key, click to open Auto Headset, and then click to close. After opening, the LED lights

The screenshot shows the 'Function Key Settings' page in the Fanvil web interface. The left sidebar contains a menu with options: System, Network, Line, Phone settings, Phonebook, Call logs, Function Key, Application, Security, and Device Log. The 'Function Key' option is selected. The main content area displays a table for configuring DSS keys. A red circle highlights the 'DSS Key 2' row, which has 'Key Event' as the Type and 'Auto Headset' as the Subtype. Other rows include DSS Key 1 (Line), DSS Key 3 (Line), DSS Key 4 (Line), DSS Key 5 (Line), DSS Key 6 (Line), DSS Key 7 (Key Event), DSS Key 8 (Key Event), DSS Key 9 (None), DSS Key 10 (None), DSS Key 11 (None), and DSS Key 12 (None). The table has columns for Key, Type, Name, Value, Subtype, Line, and Pickup Number. At the top right, there is a 'NOTE' box with the text 'Description Custom be set as and other'. Below the table, there is an 'Apply' button.

## 14. Add configuration file format of the point division method

**Description:** Enter the web page [system]->[configurations], you can view the nc configuration file



## 15. Add BLF list function support for voipswitch server

**Description:** Enter the web page [line]->[sip], register voipswitch account, open enable blfList, fill in the blf list number. When the configuration is complete, the system automatically assigns each extension to the phone key.

