



## Release Note

**Software Version: 2.10.0**

**Models: X1/ X2/ X2C/ X3S/ X4/ H2S/ H3/ H5**

**Date: 2019-1-30**



## 1 New Features

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1. Added BLF status prompt supports customization.
2. Supported AutoProvision now features.
3. Added the mandatory SRTP option.

## 2 Optimization

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1. Optimized TR-069 related issues.
2. Optimized the problem of not accessing LDAP with domain names.
3. Extended the length of alert-info input character to 63.
4. Optimized the stability of SIP function.
5. LLDP, CDP, DHCP VLAN are enabled by default.
6. Extended the length of DSSKEY value.
7. Optimized the way of phone book inquiry.
8. Extended the length of auto provision Static Provisioning Server URL input character.
9. SMS supports 200 Chinese characters.
10. Optimized the phone into the voice mail list, press the OK key to call out the voice mail number.
11. Added Oman (Muscat) time zone.
12. Optimized configuration module. Support for dynamic list configuration and string configuration.
13. Optimized LDAP base length is 128.
14. Optimized automatic jump to time after setting time manually on the phone interface.
15. Optimized the call interface display time can be configured.

### 3 Bug Fixes

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16. Fixed black and white keypad lock timeout not taking effect.
17. Fixed some servers that could not make normal calls.
18. Fixed X4 use hand-free to hear noise on opposite end.
19. Fixed an issue that caused the phone to restart when registering with some servers to change the protocol to TLS.
20. Fixed an action URL that the phone pressed multiple times to make the page unreachable.
21. Fixed a parsing error when the phone received SIP packets with multiple RPID.
22. Fixed the phone cannot set the LDAP function key name.
23. Fixed softkey unable to send HTTP message during call.
24. Fixed some cases where the system hung after clearing configuration restart.
25. Fixed a memory leak caused by blflist that caused the phone to jam.
26. Fixed a BLF that could not be unsubscribed in some cases.
27. Fixed an issue that did not clear the SMS after the call ended, the SMS display was the last content sent by the server.
28. Fixed an issue where invite received alert-info would die.
29. Fixed "0," rule with no secondary dial tone.
30. Fixed some cases where the XML SIP Notify function was not valid.
31. Fixed some cases where the phone stuck in the interface and could not exit.
32. Fixed Broadsoft phonebook phone reboot when querying Chinese Numbers.
33. Fixed issue where Push Message content is not displayed when on call.
34. Fixed the primary backup server will cause registration failure if the protocol or port of server1/2 is different.
35. Fixed two way multicast calls, one way multicast hung up, the other way multicast cannot be automatically restored.

36. Fixed an incorrect number matching when LDAP call query.
37. Fixed subscribe time of BLF is short and subscribe time is inaccurate.
38. Fixed some server send replace invite without SDP, resulting in single pass of phone.
39. Fixed phone reply to invite 200, no bye hang after receiving ACK timeout.
40. Fixed BLF status errors on some servers.
41. Fixed phone receiving Messages-Waiting: yes does not prompt Messages.
42. Fixed phone not processed after receiving rejection message from some server.
43. Fixed SIP Allow header for empty field phone not hanging up properly.
44. Extend the EAPOL forwarding strategy and fix the problem that the network is abnormal.  
after the PC is connected to the LAN port of the phone.

## 4 New Feature Descriptions

### 1. Added BLF status prompt supports customization

**Description:** BLF LED lamp mode and line idle state can be controlled through web pages and configuration files.

There are three LED colors: red, green and orange

LED state is divided into four types: on (always on), flash, slow flash, off

Line Idle LED corresponds to the current Line and represents the state of LED when the current Line is Idle

BLF Idle LED represents the state of the LED when the subscriber number is Idle

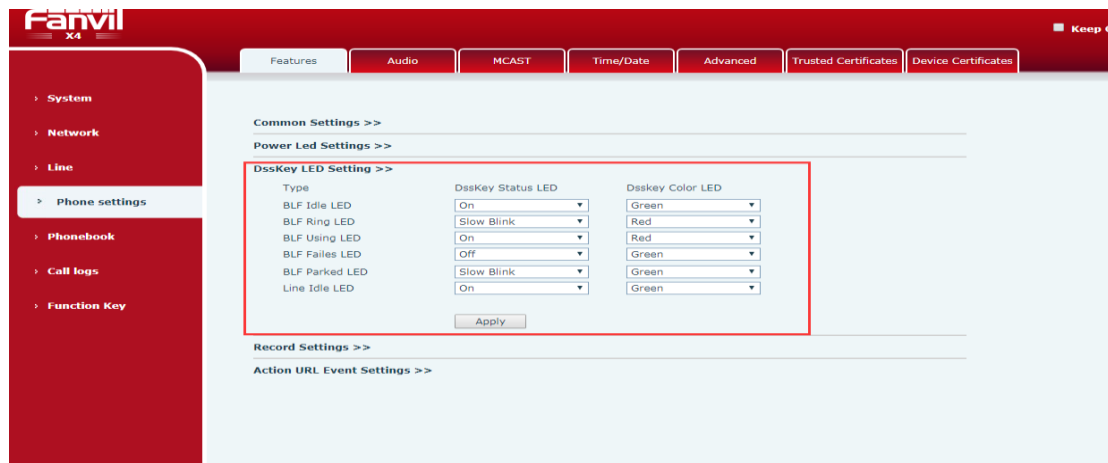
BLF Ring LED represents the status of the LED when the subscribed number is in the ringing state

BLF Using LED represents the state of the LED when the subscribed number is in a call or outgoing state

BLF Fails LED represents the status of the LED when the subscription number does not exist

BLF Parked LED stands for the status of the LED based on a subscribed number or Parked number

Web page configuration:

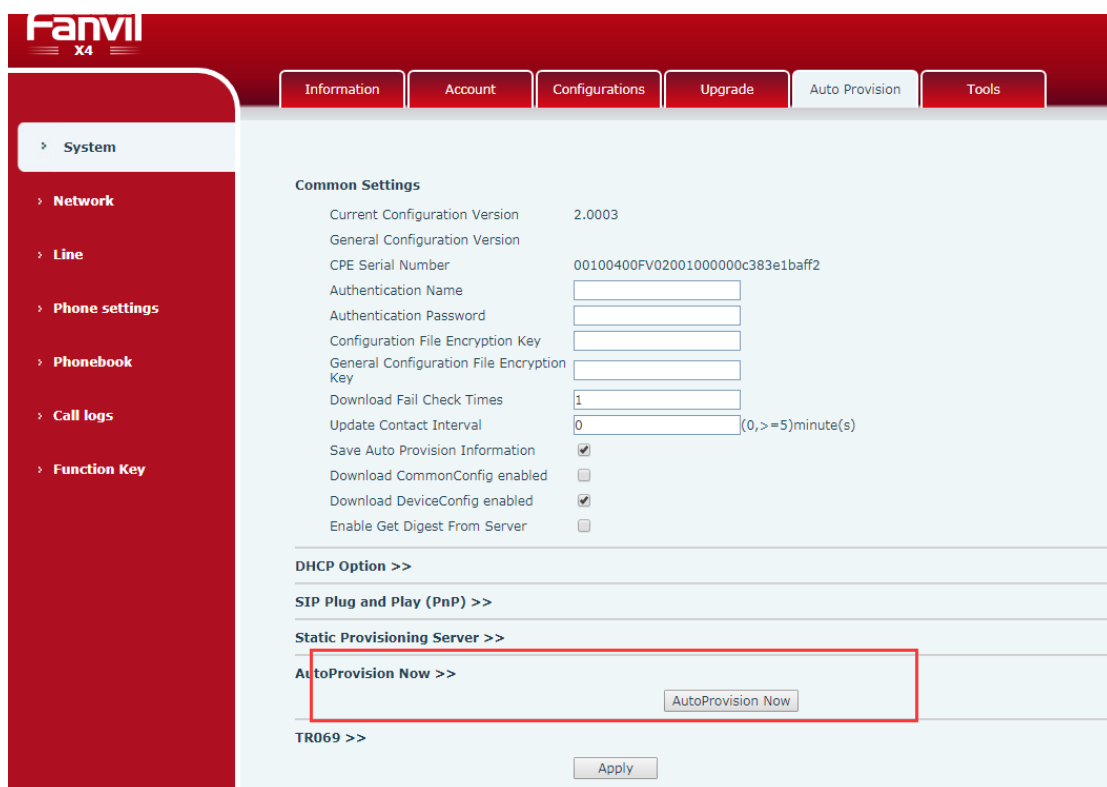


### 2. Supported AutoProvision now features

**Description:** Configure the automatic upgrade mode. Click AutoProvision Now to perform the upgrade immediately.

PnP and DHCP need to restart the phone to get the updated URL, and then click autoProvision now, the phone takes effect without restarting. Static Provision: "Update Mode:" if Disable is selected, this feature will not be enabled. Simply click AutoProvision Now to download the Update After Reboot/Update at Time Interval.

Web page configuration:



### 3. Added the mandatory SRTP option

**Description:** Add mandatory encryption option to the webpage. The corresponding behavior of the configuration item value is as follows:

- Close: RTP/AVP does not have a=crypto field
- optional: First SDP is RTP/AVP with a=crypto field; Later SDP, if the other side is optional or mandatory for RTP/SAVP with a=crypto field, otherwise for RTP/AVP without a=crypto field
- mandatory encryption: RTP/SAVP has a=crypto field

Web page configuration:

The screenshot displays the Fanvil X4 web configuration interface. The 'Basic Settings' tab is selected. The 'Line' section is expanded in the left sidebar. The 'RTP Encryption' dropdown menu is open, showing options: Disabled, Disabled, Optional, and Compulsory. The 'VQ port' is set to 5000. The footer shows 'Current Software Version: 2.10.0.6586'.

Setting	Value
Enable Call Forward Unconditional	<input type="checkbox"/>
Enable Call Forward on Busy	<input type="checkbox"/>
Enable Call Forward on No Answer	<input type="checkbox"/>
Enable Blocking Anonymous Call	<input type="checkbox"/>
Enable Send Anonymous	<input type="checkbox"/>
Enable Call Waiting	<input type="checkbox"/>
Specific Server Type	3CX
Use VPN	<input checked="" type="checkbox"/>
Use STUN	<input checked="" type="checkbox"/>
Convert URI	<input checked="" type="checkbox"/>
DTMF Type	RFC2833
DTMF SIP INFO Mode	Send 10/1
SIP Version	RFC3261
Caller ID Header	FROM
Enable Strict Proxy	<input checked="" type="checkbox"/>
Enable user=phone	<input checked="" type="checkbox"/>
Enable SCA	<input type="checkbox"/>
Enable BLF List	<input type="checkbox"/>
RTP Encryption	Disabled
Enable Mute	<input type="checkbox"/>
VQ name	
VQ port	5000
uaCSTA Number	025
Flash Mode	Normal
Flash Info Content-Type	
Deal 180	<input checked="" type="checkbox"/>
Enable Register MAC Header	<input type="checkbox"/>
Disable Call Forward Unconditional	<input type="checkbox"/>
Disable Call Forward on Busy	<input type="checkbox"/>
Disable Call Forward on No Answer	<input type="checkbox"/>
Disable Blocking Anonymous Call	<input type="checkbox"/>
Disable Send Anonymous	<input type="checkbox"/>
Disable Call Waiting	<input type="checkbox"/>
DNS Mode	A
Keep Alive Type	SIP Option
Keep Alive Interval	60 Second
Sync Clock Time	<input type="checkbox"/>
Enable Session Timer	<input type="checkbox"/>
Session Timeout	0 Second
Enable Rport	<input type="checkbox"/>
Enable PRACK	<input type="checkbox"/>
Keep Authentication	<input type="checkbox"/>
Auto TCP	<input type="checkbox"/>
Enable Feature Sync	<input checked="" type="checkbox"/>
Enable GRUU	<input type="checkbox"/>
BLF Server	
BLF List Number	
VQ address	
VQ Http/Https server	
Enable ChgPort	<input type="checkbox"/>
Use Tel Call	<input type="checkbox"/>
Flash Info Content-Body	
Enable MAC Header	<input checked="" type="checkbox"/>



## 5 Optimization Descriptions

### 1. Optimized the problem of not accessing LDAP with domain names

**Description:** LDAP server can fill in the domain name format, which can be accessed by domain name.

### 2. Extended the length of Alert-Info input character to 63

**Description:** Extended the input length of Alert-Info from 31 to 63.

Web page configuration:

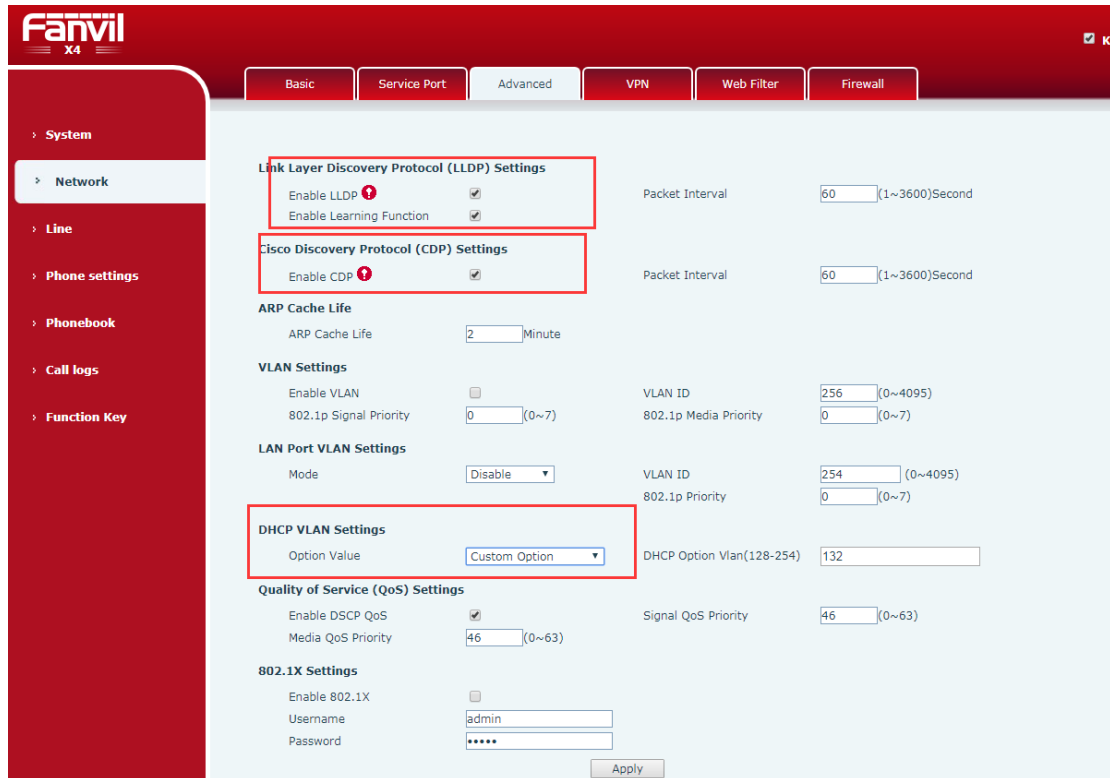
The screenshot shows the Farvil X4 web configuration interface. The 'MCAST' tab is selected. The 'Alert Info Ring Settings' table is highlighted with a red box. The table has three columns: Index, Value, and Ring Type.

Index	Value	Ring Type
Alert Info	ivr	Type 7
Alert Info	external	Type 2
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1
Alert Info		Type 1

### 3. Extended the length of alert-info input character from 31 to 63

**Description:** LLDP, CDP, DHCP VLAN are enabled by default.

Web page configuration:



#### 4. Extended the length of DSSKEY value

**Description:** Extend the length of DSSKEY Value from 128 characters to 196 characters.

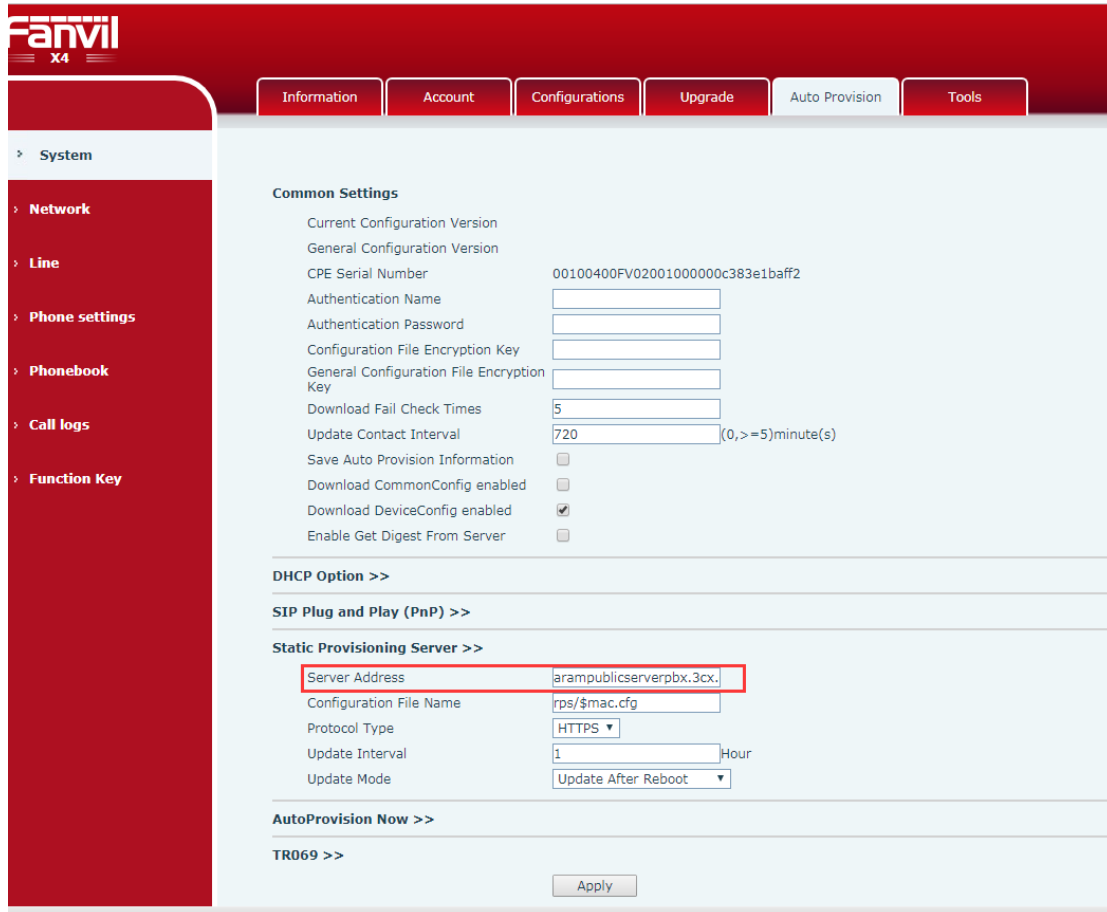
#### 5. Optimized the way of phone book inquiry

**Description:** Local Phonebook / Cloud Phonebook: Support for fuzzy queries. When a number/letter is queried, the contact containing the number/letter can all be displayed. In addition, when you enter a number, the letter with the corresponding number can be queried.

#### 6. Extended the length of auto provision Static Provisioning Server URL input character.

**Description:** Extend the input length of Static Provisioning Server URL to 128 characters.

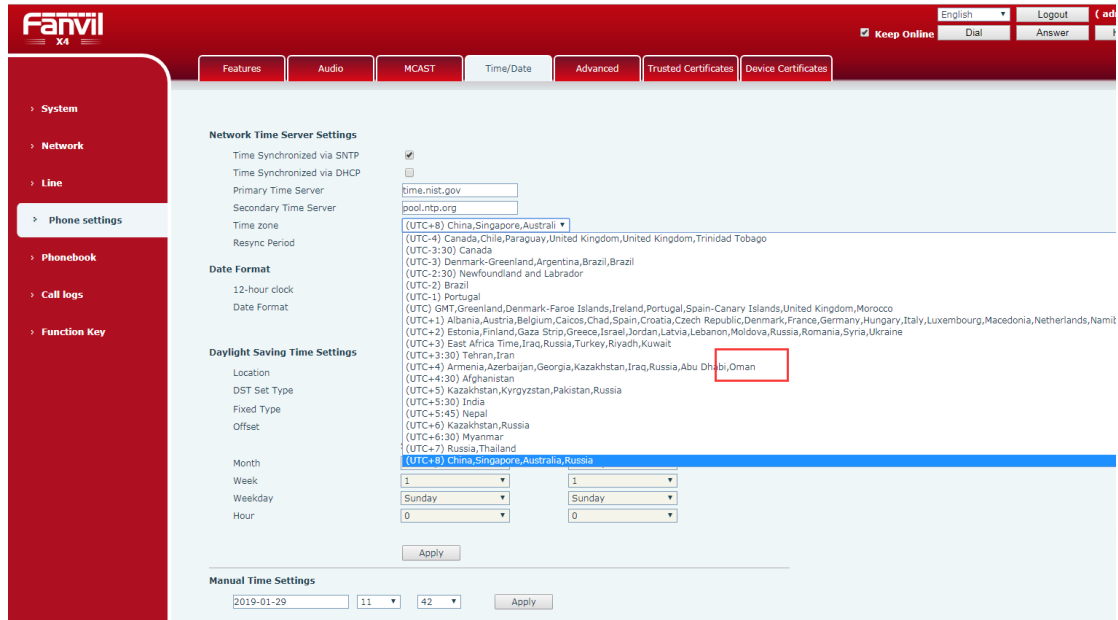
Web page configuration:



7. Optimized the phone into the voice mail list, press the OK key to call out the voice mail number

**Description:** Enter voice mail display list, press OK key to call directly, equivalent to dial key, instead of edit key.

8. Added Oman(Muscat) time zone



## 9. Optimized LDAP base length is 128

**Description:** Optimized LDAP Username, Search bash, Name Filter and Number Filter length.

You can enter 127 characters.

## 10. Optimized automatic jump to time after setting time manually on the phone interface

- 1) Adjust the date and time Settings to the front.
- 2) When setting the date, manually add "/" or ":".
- 3) Enter the manual setting, and automatically jump to the time setting after setting the date.

## 11. Optimized the call interface display time can be configured

**Description:** configuration file add Remove Call Timer control Call time display, default off, can display the normal time. After opening this configuration, the call interface will not display the time.

<PHONE CONFIG MODULE>

Remove Call Timer :