



## **Release Note**

Version: R0.9.0

Model: X6/X5S/X6(HW:V1.2)

Date: 2017-7-15



## **1 New Features**

- 1. Added the VQM (voice quality monitoring) module.
- 2. Added the help information for each configuration item on the web page.
- 3. Added the feature that system will search contacts from Broadsoft directory when there is an new call(incoming call or make new call).
- 4. Added the feature that you can view Broadsoft phonebook on webpage.
- 5. Added the feature that you can add web cloud phonebook's contacts into the black/white list and local phone book.
- Added the feature that you can enable/disable black and white lists and restricted lists.
- 7. Added the feature that you can configure DSSKEY to access the cloud phonebook.
- 8. Added the BLF subtypes(attended transfer/blind transfer/newcall).
- 9. Added the feature of DHCP option 100/101.
- 10. Added the feature of whether to auto-provision the device common configurations.
- 11. Added the feature of country code and area code.
- 12. Added the feature of the push xml configuration.
- 13. Added the feature of OPENVPN TAP.
- 14. Added the feature of RTP keep Alive.
- 15. Added the feature of CDP.
- 16. Added the feature that you can upgrade firmware in post mode.
- 17. Added the feature of opus voice coding for X6(HW:V1.2).
- 18. Added the feature of RTSP video preview for X6(HW:V1.2).



## **2** Optimization

- 1. Optimized the feature of LDAP query mechanism.
- 2. Optimized the feature of sip header abbreviation.
- 3. Optimized the feature of payload negotiation mechanism that the phone will use the payload parameters provided by the remote.
- 4. Optimized the feature of method of finding expire when multiple Contact fields are carried in 200 OK received with sip registration.
- Optimized the feature of the Call forward service code that the phone will send the servcie code appending with call forward number.
- 6. Optimized the feature of input method switching.
- Optimized the feature that sip config module do not need to reboot after sip settings changed.
- 8. Optimized the feature of sip TCP transfer port handling mechanism.
- 9. Optimized the feature of BLF(pickup).
- 10. Optimized the feature of RTCP-XR JSON format.
- 11. Added more Chinese characters into the default font.

## **3** Bug Fixes

- Fixed the issue that the prefix number of the black list, white list and limit number does not take effect.
- Fixed the issue that the phone can not download xml success after the curl username and password reset.
- 3. Fixed the issue that the phone need to restart after Auto Provision configuration changes.
- 4. Fixed the issue that after HTTPS authentication failed, cannot switch to HTTP connection.



- 5. Fixed the issue that when a SRTP call hold/held, there will be noise at the other end.
- 6. Fixed the issue that TR-069 upload file is incomplete.
- 7. Fixed the issue that TR-069 upgrade firmware failed.
- 8. Fixed the issue that the phone can not play music when the remote hold the call and the SDP connection is 0.0.0.0.
- 9. Fixed the issue that CTI hot-desking key parsing error.
- 10. Fixed the issue that -4: 30 time zone setting failed.
- 11. Fixed the issue that Firefox and IE browsers cannot display cloud phonebook.
- 12. Fixed the issue that the xml phonebook carrying "\$%" characters causes the display error on Web page.
- 13. Fixed the issue that the codec cannot save success.
- 14. Fixed the issue that SIP TLS cannot establish a new call under certain server.
- 15. Fixed the issue that the priority of Call Forward on Busy is higher than call Waiting.

### **4 New Features Descriptions**

1. Added configuration items that you can add the cloud phonebook to the black and white list, local phone book on webpage.



100 . 100 TO 117 1311010020	λ ohoisinaatilotti iii 🦰 Villiohoiseo ooronii 🏲 ohoiseoatilo 🔤 nais 🔤 rad fihinisil Viii 💭 Minisidelistivaaliii 🎵 os kakkikiko vii	. – op maarooox soon
Fanvil		
	Contacts Cloud phonebook Call List Web Dial Advanced	
> System		NOTE
> Network	Cloud phonebook           XML         •         1         2         XML3         XML4	Description: Cloud phone book s
> Line	Add to phonebook   Add to Blacklist   Add to Whitelist   Previous Page: V Next	gs, English documer http://www.fanvil.cc ages/user/2014050 0.pdf, Chinese docu
> Phone settings	Index Name Phone P	s,http://www.fan m.cn/Templets/Defa ploadFiles/2017010 17010458227105.p
> Phonebook	10 • Entries per page	17010458227105.p
> Call logs	Index Cloud phonebook name Cloud phonebook URL Line Authentication Name Authentication Password	
	1 1 http://172.16.6.39:8081/ AUTO V	
Function Key	2 2 AUTO V	
	3 AUTO ▼	
> Security		
	Apply	
> Device Log	LDAP Settings	
	LDAP LDAP 1	
	Display Title: mi 🛛 Version: Version 3 🔻 🖉	
	Server Address: 172.16.1.3 🔮 Server Port: 389	

The configuration is: add to phonebook; add to blacklist; add to whitelist.

**Description:** You can add the cloud phonebook to the black and white list, local phone book on webpage.

2. Added the configuration on the web page that you can decide whether

to enable the list of black and white lists and restricted lists.

<u> </u>	Features Media	MCAST	Action	Time/Date	Tone	Advanced
tem						
	Basic Settings >>					
work	Enable Call Waiting:		Enal	ble Call Transfer:		
	Semi-Attended Transfer	: 🗹 🕜	Enal	ble 3-way Confere	ence: 🗹 🕜	
e	Enable Auto on Hook:		Auto	HangUp Delay:	3	
none settings	Ring From Headset:		Enal	ble Auto Headset:	(0~30)secor	nd(s) 🥑
	Enable Silent Mode:			ble Mute for Ring:		
onebook				-		
	Enable Default Line:		Enal	ble Auto Switch Li	ne: 🗹 🕜	
logs	Default Ext Line:	1029@SIP1 🔻 😮	Ban	Outgoing:		
	Hide DTMF:	Disabled 🔻 🥝		ble CallLog:	?	
ction Key	Enable Restricted Incoming List:	☑ 🕜	Enal List:	ble Allowed Incom	ing 🕑 🕜	
	Enable Restricted Outgoing List:		Enal	ble Country Code:		
curity	Country Code:		Area	a Code:		
vice Log	Allow IP Call:		P2P	IP Prefix:		
	Caller Name Priority:	LocalContact-NetContact-SIP Dis	playName 🔻 Eme	rgency Call Numb	er: 110	0
	Search path:	<ul> <li>UDAP ▼</li> </ul>		P Search:	LDAP 1 V	0
	Restrict Active URI Source	ce 🛛 🕜	Pus	h XML Server:		0
	IP: Enable Pre-Dial:	✓	Enal	ble Multi Line:	<b>e</b>	
	Line Display Format:	xxx@SIPn V		tact As White List	NONE	<b>v</b>



**Description:** When this configuration item is check, black and white list, limit list take effect.

When this configuration item is not checked, black and white list, limit the list does not take effect.

3. Added the feature that you can configure DSSKEY to access the phonebook.

Function Key	Softkey	Advanced				
Function Key S	<b>ettings</b> ansfer Mode		1	Make a New ( 🔻		Apply
Page1	Page2 Page3	Page4 Page5			Delete Add N	lew Page
Key	Type	Name	Value	Subtype	Line	PickUp Number
DSS Key 1	Line 🔻			None 🔻	1029@SIP1 •	
DSS Key 2	Line •			None 🔻	21971@SIP2 V	
DSS Key 3	Line •			None 🔻	177@SIP3 •	
DSS Key 4	Line •			None 🔻	8231@SIP4 V	
DSS Key 5	Line 🔻			None 🔻	6502@SIP5 •	
DSS Key 6	Line 🔻			None 🔻	21977@SIP6 •	
DSS Key 7	Key Event 🔻			MWI 🔻	AUTO 🔻	
DSS Key 8	Key Event 🔻	1		Release	AUTO V	
DSS Key 9	None 🔻			Lock phone SMS	AUTO 🔻	
DSS Key 10	None 🔻			Call Back	AUTO 🔻	
DSS Key 11	None 🔻			Hide DTMF Intercom	AUTO 🔻	
DSS Key 12	None 🔻			Prefix	AUTO 🔻	
				Hot Desking	_	
			Apply	Agent End		
				Disposition		
				Escalate Trace		
				Handfree		
				Answer Key		
				Private Hold Local Contacts		
				LDAP Group		
				XML Group		
				Broadsoft Group	~	

**Description:** Configure the DSSKEY type for the XML Group, Broadsoft Group, Local Contacts, LDAP Group, you can access a phone book when pressing the function key.

#### 4. Added the feature that you can configure transfer subtype of DSSKEY

BLF function key



	Function Key	Softke	ey Advanced					
› System								
	Function Key	Settings						
> Network	Dsskey Ti	ransfer Mode		Ν	1ake a New Call 💌			Apply
› Line	Page1	Page2 Pag	ge3 Page4 Page5			Delet	e Add	New Page
, rue	Key	Туре	Name	Value	Subtype		Line	PickUp Numbe
b Dhana sattings	DSS Key 1	Line	•		None	SIP1	-	]
Phone settings	DSS Key 2	Line	•		None	- SIP2	-	1
	DSS Key 3	Line	•		None	SIP3	-	]
> Phonebook	DSS Key 4	Line	•		None	SIP4	-	1
	DSS Key 5	Line	•		None	SIP5	-	]
> Call logs	DSS Key 6	Line	•		None	<ul> <li>SIP6</li> </ul>	-	]
	DSS Key 7	Key Event	•		MWI	AUTO	-	1
Function Key	DSS Key 8	Key Event	•		Headset	AUTO	-	1
-	DSS Key 9	Memory Key	•		None	- AUTO	-	1
> Security	DSS Key 10	None	•		None	AUTO	-	1
· Security	DSS Key 11	None	•		BLF/NEW CALL BLF/BXFER	AUTO	-	
	DSS Key 12	None	•		BLF/AXFER Presence	AUTO	-	i
> Device Log					MWI			
				Apply	Speed Dial Intercom			
					Call Park			

**Description:** BLF function key type increase BLF / NEW CALL, BLF/BXFER, BLF/AXFER.

BLF/NEW CALL: During a call, press this function key, you can call the specific number to make a new call;

BLF/BXFER: During a call, press this function key, the call will blind transfer to the specific number;

BLF/AXFER: During a call, press the function key, the call will attend transfer to the specific number.

5. Added the feature that you can view BroadSoft phonebook on webpage.



	Contacts Cloud phonebook Call List	Web Dial Advanced			
System					
Network	Cloud phonebook BroadSoft  Contacts BroadSoft2 BroadSoft3 BroadSoft3 BroadSoft3	t4 BroadSoft5 BroadSoft6			
Line					
	Add to phonebook Add to Blacklist Add to Whitelist	Prev	ious Page: 1  Next		
Phone settings	Index Name				
Bhonobook	Collaborate - AudioFanvil-Default				
> Phonebook	2 FanvilBTBCUser1FanvilBTBCUser1	+12404987345	7345		
	3 FanvilBTBCUser2FanvilBTBCUser2	+12404987346	7346		
Call logs	4 FanvilUser1FanvilUser1	+12404987341	<u>7341</u>		
	5 FanvilUser2FanvilUser2	+12404987342	<u>7342</u>		
Function Key	6 FanvilUser3FanvilUser3	+12404987343	<u>7343</u>		
	7 FanvilUser4FanvilUser4	+12404987344	7344		
Security	8 Voice Messaging GroupFanvilVPortal	+12404987340	<u>7340</u>		
	9 Call Centercc	+12404987347	<u>7347</u>		
Device Log	10 mingxiao				

**Description:** After configuring the BroadSoft phone book, you can browse the contacts in the phone book on the web.

#### 6. Added the feature of DHCP option 100/101.

**Description:** Added the feature of DHCP option 100/101, which via DHCP option to send daylight saving time and time zone configuration: DHCP option 100 format: TZ = local\_timezone, date / time, date / time DHCP option 101 Format: Country / City

# 7. Added the feature of whether to download the configuration of the common profile

**Description:** Configuration file to increase the configuration: Download CommonConf. When the value is 1, the automatic upgrade default download general configuration file; when the value is 0, the phone will not go to download the general configuration file.

The configured value defaults to 1.

8. Added the feature of RTP keep Alive.



						100		
Fanvil								
<b>X6</b>								
	Features	Media	MCAST	Action	Time/Date	Tone	Advanced	
> System								NOTE
> Network	Codecs Settings >>	> 🕜						Description:
	Audio Settings >>							Media settings, you can s et the voice coding,volum e,ringtones and so on.
> Line	RTP Control Protoc	ol(RTCP) Settin	gs >>					e,ringtones and so on.
Phone settings	RTP Settings >>							
	RTP Keep Alive	:						
> Phonebook	Alert Info Ring Set	tings >>						
› Call logs				Apply				
Function Key								
> Security								
> Device Log								

**Description:** If the configuration value is 1, the phone will periodically send rtp packets when the call on hold.

#### 9. Added the feature that you can upgrade version by U disk under post.

**Description:** You need put the version in the root directory of U disk. When upgrading, enter \* # 167 under post and the phone can automatically identify the version to upgrade.

#### 10. Added the feature of RTSP video preview on X6(HW:V1.2).

**Description:** You can configure the DSS key type as URL and enter valid RTSP URL. You can preview the video when you press the function key.