



i53W User Manual

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3 Safety Instruction

Please read the following safety notices before installing or using this unit. They are crucial for the safe and reliable operation of the device.

- Please use the external power supply that is included in the package. Other power supply may cause damage to the phone and affect the behavior or induce noise.
- Before using the external power supply in the package, please check the home power voltage. Inaccurate power voltage may cause fire and damage.
- Please do not damage the power cord. If power cord or plug is impaired, do not use it because it may cause fire or electric shock.
- Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.
- This phone is designed for indoor environment. Do not install the device in places where there is direct sunlight. Also do not put the device on carpets or cushions. It may cause fire or breakdown.
- Avoid exposure the phone to high temperature or below 0°C or high humidity.
- Avoid wetting the unit with any liquid.
- Do not attempt to open it. Non-expert handling of the device could damage it. Consult your authorized dealer for help, or else it may cause fire, electric shock and breakdown.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it.
 Wipe it with a soft cloth that has been slightly dampened in a mild soap and water solution.
- When lightning, do not touch power plug, it may cause an electric shock.
- Do not install this phone in an ill-ventilated place. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents.



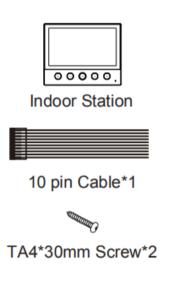
4 Overview

4.1 Overview

i53W is an indoor station with 7-inch color touch screen and rich interfaces. It is mainly used in residential area, villa, office building and other places for receiving calling and communicating through the door phone and achieving remote door-opening. It provides more reliable security assurance and the easier access control for the users, creating a safe and comfortable living environment.

In order to help some interested users to better understand the details of the product, this user manual can be used as a reference guide for the use of i53W. This document may not apply to the latest version of the software. If you have any questions, you can use the help prompt interface that comes with the i53W device, or download and update your user manual from the official website.

4.2 Packing Contents



	1270
Call In	er förstand anderstand udde
877	(Q);
-	10008.

Quick Installation Guide

العصالة Wall-mount Bracket

4 pin Cable*1

PM4*16mm Screw*2

2 pin Cable*1

Screw fixing seat*2



5 Install Guide

5.1 Use PoE or external Power Adapter

i53W supports two power supply modes, external power adapter and Ethernet (PoE) switch power supply mechanism

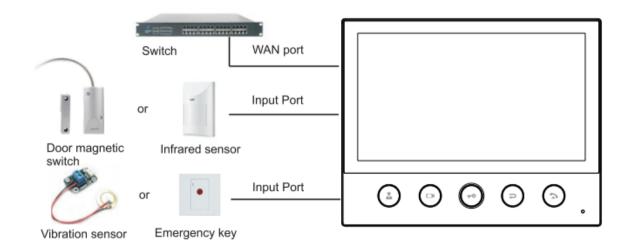
PoE power supply saves the space and cost of providing the device additional power outlet. With a PoE switch, the device can be powered through a single Ethernet cable which is also used for data transmission. By attaching UPS system to PoE switch, the device can keep working at power outage just like traditional PSTN telephone which is powered by the telephone line.

For users who do not have PoE equipment, the traditional power adaptor should be used. If the device is connected to a PoE switch and power adapter at the same time, the power adapter will be used in priority and will switch to PoE power supply once it fails.

Please use the power adapter supplied by Fanvil and the PoE switch met the specifications to ensure the device work properly.

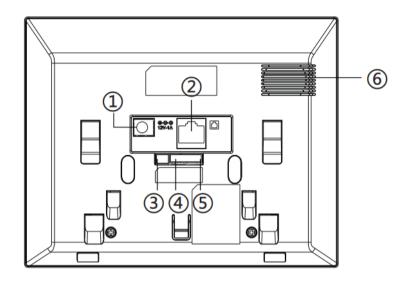
5.2 Desktop Installation

5.2.1 Peripheral connection





Picture 1 - Peripheral connection diagram



Picture 2 - interface

Table 1- interface

N0.	Interface	Description
Φ	\bigcirc	DC Power interface: 12V/1A input.
		Ethernet interface: standard RJ45 interface, 10/100M
Ø		adaptive,
		it is recommended to use CAT5 or CAT5E network cable.
3	Power DC12V GND	Industrial power interface
4	RS485	2 sets of RS485 interfaces: can be connected to card reader,
\$		sensor etc.
	Alarm Input	8 sets of alarm input interfaces: input devices for connecting
5		switches,
		infrared sensor, door sensor, vibration sensors etc.
ô		Speaker



6 Appendix Table

6.1 Appendix I - Icon

	Control center
	Video Surveillance
9	Unlock key
Ú	Return key
v	Answer key

Table 2 - Keypad Icons

Table 3- Status Prompt and Notification Icons

>>>>	Call out
<<<<	Call in
	Mute Microphone
al	Call voice quality
	Call voice encryption
	Call Hold
HD	HD Audio
<u>"</u>	Network Disconnected
12	Enable VLAN
	Enable VPN
×	Keyboard locked
(-	Call forward activated
A	Auto-answering activated



((•	Connecting WIFI
((i;	Wi-Fi network abnormal
(1 <mark>1</mark> 1)	SIP Hotspot
0	DND
>(Missed call
\square	SMS
0	Unread voice message
((7)) (7) 7	Network storm

Table 4- DSSkey Icons

lcon	Translate
G	BLF/NEW CALL
2	BLF/BXFER
S	BLF/AXFER
	BLF/CONF
	BLF/DTMF
0	Presence
•	MWI
0	Speed Dial
	Intercom



٩	Call Park
٩	Call forward
0	Key Event
Q	URL/Action URL
	BLF List
C	Multicast
	Memory Key None
	None
R	Line
	DTMF



6.2 Appendix II –Function key state definition

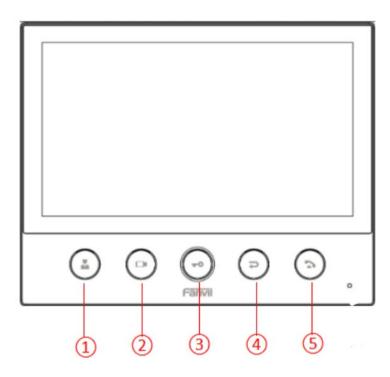
Туре	lcon	State	Description			
Line Key	0	Gray	Line is not configured			
	0	Green On	Line ready (Registered)			
		Red Blinking	Line is trying to register			
	0	Red Blinking	Line error (Registration failure)			
BLF	9	Green On	Subscription number is idle.			
	e	Red On	Subscription number is busy.			
	9	Red On	Subscription number is dialing.			
	G	Off	Subscription number is unavailable.			
Presence	C	Green On	Subscription number is idle.			
	0	Red On	Subscription number is busy.			
	0	Red On	Subscription number is dialing.			
	C	Off	Subscription number is unavailable.			
DND	0	Red On	Enable DND			
	0	Off	Disable DND			
MWI	0	Green Blinking	New voice message waiting			
	0	Off	No new voice message			

Table 5-Look-up Table of Characters



7 User Getting Started

7.1 Button description



Picture 3 - Key Description

The picture above shows the button layout of the device. Each button provides its own specific function. The user can operate the device by referring to the description of the buttons in the illustrations in this section.

Number	The keypad	Instruction
	names	
\$	Control center	One key to call the set number; if there is no setting,
		press to enter the setting interface
2	Video Preview	One key to view the access control/outdoor situation; if
2		there is no setting, press to enter the setting interface
3	Unlock key	One-key unlock during a call
4	Return key	Hang up during a call
4		Menu, return to the upper level directory
5	Answer key	Incoming call, answer the call
5		Open the dial pad in standby

Table 6- Key	Description
--------------	-------------



7.2 Introduction to the User

7.2.1 Standby interface



Picture 4- Standby interface

The figure above shows the default standby screen interface, which is the state of the user interface most of the time.

The upper half of the main screen displays the welcome message, time and date, and status information (such as automatic answer, network connection status, etc.).

Table 7- Standby interface

Number	Description			
1	Welcome word, number			
2	Status icon			
3	Time, Date			
4	Common Functions			
5	Custom function			

Icon descriptions are described in 6.1 Appendix I.

7.2.2 Dial interface

The dial interface is mainly used to make calls, enter the contacts, call history interface



1←		0305			
S	343444 ³⁴³⁴⁴⁴ 15	1 12			12×
2		1	2	3	End
3		4	<mark>11</mark> 5	6	14 123
		7	8	9	Delete
4		*.	0	#	10
5~	6	0 7	C]8		9 ∰)

Picture 5-Menu interface

Table 8- dial interface

Number	Features	Description
1	Return key	Return to the previous menu, the main interface
2	Dialpad	Enter the dial interface
3	Contact	Enter the contact interface, view/edit contacts
4	Call records	Enter the call log interface, view the call log
5,6	Turn page	When the list supports multiple pages, page up and
5, 0	Turn page	down
7	Home	Back to main interface
8	Volume Down Key	Volume Adjustment
9	Volume Up Key	Volume Adjustment
10	Dial key	After entering the number, press to call out
11	Numeric keypad	0-9, *, #
12	Input box	Enter number
13	Delete key	Delete entered number
	Endlingut	End: Exit the current interface
14	End/input method/delete	123: Switch input method, 123/abc/ABC/Abc/2aB
		Delete: delete the entered number
15	Number matching	After entering the number, the query record displays
-	record	3 ···· ·······························



7.2.3 Commonly used icons on the interface

Introduction to icons commonly used by equipment.

lcon	Description	lcon	Description
\bigcirc	Back to main	^	Previous page
	interface		
\sim	Next page	÷	Return
0	Search for		Add to
4	contacts	T	Add to
\checkmark	Save		

Table 9- Commonly used icons

7.3 Use of touch keyboard

The device supports using the touch keyboard to enter data.

q	w	е	r	t	у	u	i	0	р
1	a s	s (±	f	9	h	j ł	ĸ	I
2 ①	z	х	с	v	b	n	m	8 ×	9 Next
3 ?123	4@	5	Sp	ace		6.	7 <	>	

Picture 6- keyboard

Table 10 - keyboard

Number	Function keys	Description
1	26 English	Type letters
	letters	
2	\land	Switch to uppercase letter input
2		mode
3	2100	Switch to number, special
3	?123	character input mode
4、6	Special	
4,0	characters	@、.
5	Space Bar	Enter a Space
7	Switch	Switch input characters left and



		right	
8	Delete	Delete entered characters	
0	Next	Switch to the next edit box	
9	Done	Save operation	
10)	Hide keyboard	

Tap on the screen to switch **?123** to number and special character input mode.

1 1	2	3	4	5	6	7	8	9	0
-		/	:	;	() 5	\$ 8	&	+
2 =*<		,	?	!		#	*	$\langle \times$	Next
3 abc	[Spa	ace]	<	>	

Picture 7 - Keyboard numbers & characters

Table 11 - Keyboard numbers & characters

Number	Function keys	Description		
1	Number Key	Type in data		
2	_*/	Switch to special		
2	= <	character input mode		
2	aba	Switch lowercase English		
3	abc	letter input mode		

7.4 Phone Status

The phone status includes the following information about the phone:

• Network Status:

VLAN ID

IPv4 or IPv6 status

IP Address

Network Mode

• The Phone Device Information:

Mac Address

Phone Mode

Hardware Version number

Software Version number

Phone Storage (RAM and ROM)



System Running Time

- SIP Account Information:
 SIP Account
 SIP Account Status (registered / uncommitted / trying / time out)
- TR069 Connection Status (Displays only in the phone interface state)

The user can view the phone status through the phone interface and the web interface.

Device interface: When the device is in standby, press [**Menu**] >> [**Status**], select options to view corresponding information, as shown in the figure:

÷	← Network						
Network	1. Vlan Id		None				
Phone	2. Mode		DHCP/IPv4				
Account	3. IPv4	172.16.12.207		7			
TR069							
RTP							
		0	^	~			

Picture 8- keyboard

• WEB interface: Refer to 7.5Web management to log in the phone page, enter the [System] >> [Information] page, and check the phone status, as shown in the figure:



	Information	Account Co	nfigurations	Upgrade	Auto Provision	FDMS	Tools
System							
Network	System Information	0					
	Model:		i53W				
Line	Hardware:		V1.0				
	Software:		0.1.2				
Settings	Uptime:		00:18:4	3			
Settings	MEMInfo:		ROM: 29.3	/128(M) RAM	: 37.6/94(M)		
Phonebook	System time:		2020-9-9	L5:55 (SNTP)			
	Network 🕜						
Call logs	WAN						
	Network mode:		DHCP				
Function Key	MAC:		0c:38:3e:4	6:1e:62			
	IPv4						
Security	IP:		172.16.12	.207			
	Subnet mask:		255.255.2	55.0			
Device Log	Default gateway:	:	172.16.12	.1			
	SIP Accounts 😗						
Security Settings	Line 1	0305@172	.16.1.2:5060 R	egistered			
	Line 2	N/A		active			
	Line 3	N/A		active			
	Line 4	N/A		active			
	Line 5	N/A		active			

Picture 9- phone status

7.5 Web Management

Phone can be configured and managed on the web page of the phone. The user needs to enter the IP address of the phone in the browser at first and open the web page of the phone.

The user can check the IP address of the phone by pressing [Menu] >> [Status].



Picture 10- Login page

Users must correctly enter the user name and password to log in to the web page. The default user name and password are "admin". For the specific details of the operation page, please refer to page <u>11 Web configurations</u>.



7.6 Network Configurations

The i53W device supports two network connection methods: wired network connection and wireless network connection. Users need to choose the corresponding connection method according to their own situation.

The device uses an IP network connection to provide services. Unlike traditional devices based on line circuit technology, IP devices are connected to each other through the network to exchange data packets and data based on the device's IP address.

To enable the device, the network configuration must first be properly configured. To configure the network, users need to find the device function menu button [Menu] >> [Advanced Settings] >> [Network] >> [Network Settings].

The default password for entering advanced settings is "123".

NOTICE! If user saw a WAN Disconnected' icon flashing in the middle of screen, it means the network cable was not correctly connected to the device's network port. Please check the cable is connected correctly to the device and to the network switch, router, or modem.

The device supports three network types, IPv4/IPv6/IPv4&IPv6

There are three common IP configuration types for IPv4

- DHCP This is the mode that automatically obtains the network configuration from the server. The user does not need to manually configure any parameters. Suitable for most users.
- Static IP configuration This option allows users to manually configure each IP parameter, including IP address, mask, gateway and primary DNS server and backup DNS server. This usually applies to some professional network user environments.
- PPPoE This option is usually suitable for users who connect to the network through a broadband service account. To establish a PPPoE connection, the user should provide the user name and password provided by the operator.
- The default configuration of the device is the network mode of automatic configuration
- •
- There are two common IP configuration types for IPv6
- DHCP This is the mode that automatically obtains the network configuration from the server. The user does not need to manually configure any parameters. Suitable



for most users.

 Static IP configuration – This option allows users to manually configure each IP parameter, including IP address, mask, gateway, and primary and secondary domain names. This usually applies to some professional network user environments.

For specific configuration and use, please refer to <u>10.6.2.1 Network Settings</u> and <u>10.5</u> <u>WiFi</u>

7.7 SIP Configurations

A line must be configured properly to be able to provide telephony service. The line configuration is like a virtualized SIM card. Just like a SIM card on a mobile phone, it stores the service provider and the account information used for registration and authentication. When the device is applied with the configuration, it will register the device to the service provider with the server's address and user's authentication as stored in the configurations.

The user can conduct line configuration on the interface of the phone or the webpage, and input the corresponding information at the registered address, registered user name, registered password and SIP user, display name and registered port respectively, which are provided by the SIP server administrator.

Phone interface: To manually configure a line, the user can long press the line button or use the function menu button [**Phone Settings**] >> [**Account**] >> [**Line**] to configure each line, and click OK to

save the configuration.



Line 0305@SIP1					
Register Settings >>					
Line Status:	Registered		Activate:	☑ 🕜	
Username:	0305	0	Authentication User:		0
Display name:	0305	0	Authentication Password:	••••	0
Realm:		0	Server Name:		0
SIP Server 1:			SIP Server 2:		
Server Address:	172.16.1.2	0	Server Address:		0
Server Port:	5060	0	Server Port:	5060	0
Transport Protocol:	UDP 💌 🕜		Transport Protocol:	UDP 💌 🕜	
Registration Expiration:	3600 second(s)	0	Registration Expiration:	3600 second(s)	0
Proxy Server Address:		0	Backup Proxy Server Address:		0
Proxy Server Port:	5060	0	Backup Proxy Server Port:	5060	0
Proxy User:		0			
Proxy Password:		0			

Picture 11- Web Line Registration



8 **Basic Function**

8.1 Making Phone Calls

Default Line

The equipment provides 6 SIP line services. If all the 6 lines are configured successfully, the user can use any line to make or receive calls. If the user has set a default line, the number or name currently used by default will be displayed in the upper left corner of the screen interface. To enable or disable the default line function, the user can go through [Menu] >> [Function] >> [Basic Settings] >> [General] or complete the settings on the web page ([Web Page] >> [Settings] >> [Function Settings]] >> [Basic Settings]).

Dialing Methods

User can dial a number by:

- Entering the number directly
- Selecting a phone number from phonebook contacts (Refer to <u>10.2.1 Local</u> <u>contacts</u>)
- Selecting a phone number from cloud phonebook contacts (Refer to <u>10.2.3</u> <u>Cloud Phone Book</u>)
- Selecting a phone number from call logs (Refer to <u>10.3 Call Log</u>)
- Redialing the last dialed number
- Press the management center button to call



Picture 12- Dial interface

When calling a number, the user can press [End] or press the return button to



cancel the call



Picture 13- Call interface

8.2 Answer a call

When the device is idle and there is an incoming call, the user will see the following call reminder screen.



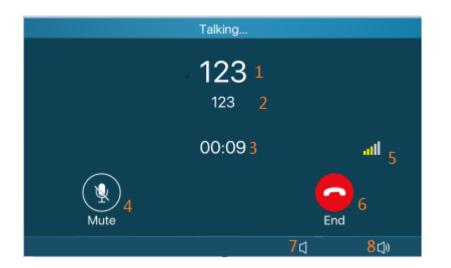
Picture 14- Voice call interface

The user can answer the call by pressing the button or the interface. To reject an incoming call, the user presses or the reject button on the interface.

8.3 Call interface

When the call is established, the user will see the call mode screen as shown below:





Picture 15- Taking interface

Number	The keypad names	Instruction
1	Contact Name	The name of the other party
2	Contact Number	Call the other party's number
3	Call duration	Call duration
4	Mute icon	Icon indication after the call is muted
5	Voice quality, HD, voice encryption	Display the current call voice quality, voice call encryption and other icon indicators
6	End	Hang up
7 \ 8	Volume addition and subtraction	Adjust call volume

Table 12 - Taking mode

8.4 Unlock

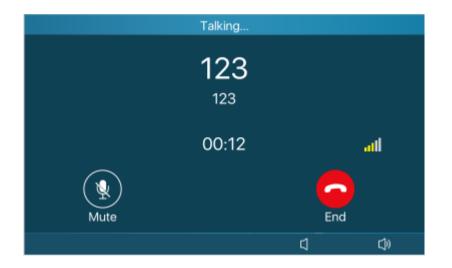
Web page settings [Function keys] >> [Function keys]>>[DSSKey3] is DTMF, the value is the access control caller's password to open the door, as shown below: Press during a call \bigcirc , Can open the door with one key \circ

Key	Type	Name	Value	Subtype	Line	Media	PickUp Number
DSS Key 1	DTMF		123	None	AUTO	DEFAULT	
DSS Key	None			None	AUTO 🚽	DEFAULT	



Picture 16- Web page configuration DTMF

8.5 End of call



Picture 17- Call end interface

When the user's call ends

- 1) You can press \bigcirc to end the call
- 2) You can press \bigcirc to end the call
- 3) You can press the end button on the call interface

8.6 Video preview

The user can bind the video stream of the camera of the door phone and view the situation outside the house with one click

Web page settings [Function keys] >> [Function keys] >> [DSSKey2] is the url, the value is the RTSP URL of the camera, and the setting is completed and submitted.

Press Othe video surveillance button in standby.

Functi	ion Key Settings						
Key	Туре	Name	Value	Subtype	Line	Media	PickUp Number
DSS							
Key	URL 💌	1	rtsp://172.16.12.€	None 🚽	AUTO 🚽	DEFAULT -	
1							

Picture 18 - Web page configuration hard button preview

Web page settings [Function keys] >> [Side key], select any key, the type is url, the value is the RTSP URL of the camera, and the setting is completed and submitted.



In standby, press the shortcut key set on the right side of the standby interface.

Side Dsskey Settings								
Key	Туре	Name	Value	Subtype	Line	Media	PickUp Number	
F 1	URL	door1	rtsp://172.16.12.1	None 👻	0305@SIP1 -	DEFAULT		
F 2	URL	door2	rtsp://admin:admir	None 👻	0305@SIP1 -	DEFAULT		
FЗ	Key Event 💌			Phonebook 💌	AUTO 🚽	DEFAULT		
F 4	Key Event 💌			Call Logs 🖉	AUTO 🚽	DEFAULT		

Picture 19- Webpage configuration standby interface preview



Picture 20- Standby interface display after configuration

8.7 Dial query

The device defaults to enable the dial query function, open the dial pad to dial, enter one or more numbers, the dial interface will automatically match the call record, the number list in the contact, click to select the number and call out.

8.8 Auto Answer

The user can enable the automatic answering function on the device, and the device can automatically answer after a call comes in. Auto answer can be activated by distinguishing lines.

The user can start the automatic answer function on the device interface or the web interface.

• Device interface:

Press [Menu]>>[Function]>>[Auto Answer] button;



on/off the auto answer option, set the auto answer time, the default is 5 seconds

Press Vito save when finished

The icon A in the upper right corner of the screen indicates that auto answer is enabled.

÷	0305	;	~
Call Forward	1. Auto Answer	Enabled	
Auto Answer	2. Auto Answer Delay	5	
Call Waiting			
Hot Line			
Basic			
Advanced			
	0	~	~

Picture 21 - Line 1 enables auto-answering

• Web interface :

Log into the device webpage, enter [Line]>>[SIP], Select [Basic Settings], enabled automatic answering, set the automatic answering time and click submit.

•		
: 🔲 📀	Auto Answering Delay:	5 (0~120)second(s) 💡
	Call Forward Number for Unconditional:	0
	Call Forward Number for Busy:	
?	Call Forward Number for No Answer:	
5 (0~120)second(s) 🕜	Transfer Timeout:	0 second(s) 📀
	Voice Message Number:	
3600 (60~999999)second(s)		
I: 🔲 🥝	Enable Missed Call Log:	☑ 🕜
AUTO 🗨 🕜	DTMF SIP INFO Mode:	Send 10/11 🔍 🥑
	Enable DND:	
	Use VPN:	☑ 🕜
	5 (0~120)second(s) 3600 (60~999999)second(s) C (0 (0) (0) (0) (0) (0) (0) (0) (0) (0)	Auto Answering Delay: Call Forward Number for Unconditional: Call Forward Number for Busy: Call Forward Number for No Answer: Solution (0~120)second(s) Voice Message Number: 3600 (60~999999)second(s) Enable Missed Call Log: AUTO AUTO O

Picture 22- Web page to start auto-answering

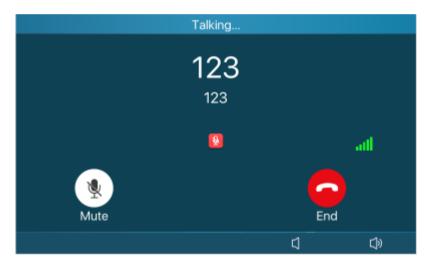


8.9 Mute

You can turn on the silent mode and turn off the microphone of the device during a call, so that the other party cannot hear the local voice. Under normal circumstances, the silent mode is automatically turned off as the call ends. You can also enable the keep mute function on any interface (such as the idle interface) to automatically mute the ringtone when a call comes in.

8.9.1 Mute during a call

Press the mute button $\frac{1}{2}$ on the call interface during a call: The mute button on the device turns on the red light.



The call interface displays a red mute icon, as shown in the figure:

Picture 23- Mute the call

• Unmute the call: Press the unmute $\frac{1}{2}$ on the device again. The mute icon is no longer displayed on the call interface. The red light of the device mute button is turned off.

8.9.2 Mute when ringing

• Turn on mute ringing: press the mute button on the incoming call interface when the device is ringing:

The mute icon on the incoming call interface of the device 💙 changes



to and there is no ringtone. After hanging up, the device will still ring the next time there is an incoming call.



Picture 24 - Ringing mute

8.10 DND

User may enable Do-Not-Disturb (DND) feature on the device to reject incoming calls (including call waiting). The DND can be enabled on line basis.

Enable/Disable phone all lines DND, Methods the following :

- Phone interface : Default standby mode ,
 - Press [DND] button to enter the DND setting interface, select line or phone to enable DND, the icon will become red. The phone status prompt bar will have a DND icon.

If the user wishes to enable/disable the uninterrupted function on a specific line, the user can set the uninterrupted function on the page of configuring the line.

Press [Menu] >> [Function] >> [Basic Settings] >> [DND] button to enter the edit page of [DND].

Use the left/right navigation keys to select the line to adjust the DND mode and status. After finishing, press the [OK] button to save.

The user will see that the DND icon turns red, and the SIP line has enabled the DND mode.



←	D	ND	~
Call Forward	1. DND Mode	Line	
Auto Answer	2. DND Timer	Disabled	
Call Waiting	3. Line	SIP1	
Hot Line	4. State	Enabled	
Basic			
Advanced			
	- *	0 ^	~

Picture 25- DND setting interface

Users can also use the Do Not Disturb timer. After setting, within the time range, the Do Not Disturb function will be automatically turned on and the DND icon will turn red

÷	DND		\sim
Call Forward	1. DND Mode	Line	
Auto Answer	2. DND Timer	Enabled	
Call Waiting	3. DND Start Time	15 : 00	
Hot Line	4, DND End Time	17 : 30	
Basic	5. Line	SIP1	
Advanced	6. State	Enabled	
	0	^	~

Picture 26- DND timer

Web interface: Go to [Settings] >> [Function Settings] >> [DND Settings], set the type of DND (off, phone, line), and DND timing function.

Basic Settings >>				
Tone Settings >>				
DND Settings >>				
DND Option:	Off 💌			
Enable DND Timer:				
DND Start Time:	15 💌 0 💌			
DND End Time:	17 💌 30 💌			

Picture 27- DND Settings



The user opens the DND of a specific line on the webpage: enter [Line] >> [SIP] >> [Basic Settings], and enable DND.

sic Settings >>				
Enable Auto Answering:		Auto Answering Delay:	5 (0~120)se	econd(s) 🕜
Call Forward Unconditional:		Call Forward Number for Unconditional:		0
Call Forward on Busy:		Call Forward Number for Busy:		?
Call Forward on No Answer:		Call Forward Number for No Answer:		0
Call Forward Delay for No Answer:	5 (0~120)second(s) 📀	Transfer Timeout:	0 second(s)	0
Subscribe For Voice Message:		Voice Message Number:		0
Voice Message Subscribe Period:	3600 (60~999999)second(s)			
Dial Without Registered:		Enable Missed Call Log:	☑ 🕜	
DTMF Type:	AUTO 💽 🥝	DTMF SIP INFO Mode:	Send 10/11 💽 🕜	
Request With Port:		Enable DND:		

Picture 28 - Line DND

8.11 Call Forward

Call forward is also known as 'Call Divert' which is to divert the incoming call to a specific number based on the conditions and configurations. User can configure the call forward settings of each line.

There are two types,

- Unconditional Call Forward Forward any incoming call to the configured number.
- Call Forward on No Answer When user does not answer the incoming call after the configured delay time, the incoming call will be forwarded to the configured number.
- Phone interface : Default standby mode
- 1) Press [Menu] >> [Function] >> [Call Forwarding] to select the line
- 2) Select the type of call forwarding. Turn on and set the number to be transferred, etc.
- 3) Click the upper \checkmark right corner to save the changes.



÷	Uncond	litional	\sim
Call Forward	1. Unconditional	Disabled	
Auto Answer	2. Forward to		
Call Waiting	3. On Code		
Hot Line	4. Off Code		
Basic			
Advanced			
	c) ^	~

Picture 29- Set call forward

Web interface: Enter [Line] >> [SIP]>> [Basic Settings], and set the forward type, number, and time.

Line	0305@SIP1				
Reg	ister Settings >>				
Bas	ic Settings >>				
	Enable Auto Answering:		Auto Answering Delay:	5 (0~120)second(s) 🕜
ſ	Call Forward Unconditional:		Call Forward Number for Unconditional:		0
	Call Forward on Busy:		Call Forward Number for Busy:		0
	Call Forward on No Answer:		Call Forward Number for No Answer:		0
	Call Forward Delay for No Answer:	5 (0~120)second(s) 📀	Transfer Timeout:	0s	econd(s) 🕜
	Subscribe For Voice Message:		Voice Message Number:		0
	Voice Message Subscribe Period:	3600 (60~999999)second(s)			
	Dial Without Registered:		Enable Missed Call Log:	☑ 🥝	
	DTMF Type:	AUTO 💌 🕜	DTMF SIP INFO Mode:	Send 10/11	▼
	Request With Port:	☑ ?	Enable DND:		
	Use STUN:		Use VPN:	▼ ?	

Picture 30- Set call forward



9 Advance Function

9.1 Intercom

After the device enables intercom, it can automatically answer intercom calls.

Basic Settings >>			
Tone Settings >>			
DND Settings >>			
DND Option:	Off 💌		
Enable DND Timer:			
DND Start Time:	15 💌 0 💌		
DND End Time:	17 💌 30 💌		
Intercom Settings >>			
Enable Intercom:		Enable Intercom Mute:	
Enable Intercom Tone:	☑ ⊘		
Response Code Settings >>			
DssKey Setting >>			

Picture 31- Web Intercom configure

Table 13 - Intercom configure

Parameter	Description
Enable Intercom	When intercom is enabled, the device will accept the incoming call request
	with a SIP header of Alert-Info instruction to automatically answer the call
	after specific delay.
Enable Intercom	Enable mute mode during the intersem cell
Mute	Enable mute mode during the intercom call
Enable Intercom	If the incoming call is intercom call, the phone plays the intercom tang
Tone	If the incoming call is intercom call, the phone plays the intercom tone
Enchle Intercom	Enable Intercom Barge by selecting it, the phone auto answers the intercom
Enable Intercom	call during a call. If the current call is intercom call, the phone will reject the
Barge	second intercom call

9.2 MCAST

This feature allows user to make some kind of broadcast call to people who are in multicast group. User can configure a multicast DSS Key on the phone, which allows



user to send a Real Time Transport Protocol (RTP) stream to the pre-configured multicast address without involving SIP signaling. You can also configure the phone to receive an RTP stream from pre-configured multicast listening address without involving SIP signaling. You can specify up to 10 multicast listening addresses.

MCAST Listening					
Priority:	1	-			
Enable Page Priority:					
Enable Prio Chan:					
Enable Emer Chan:					
Index/Priority	Name		Host:port	Chan	nel
1				0	-
2				0	-
3				0	-
4				0	-
5				0	-
6				0	-
7				0	•
8				0	
9				0	
10				0	-
	Apply	·			
MCAST Dynamic					
Auto Exit Expires:	60 Apply				
Index	Priority	MCAST Ip		Port	

Picture 32	Multicast	Settinas	Page
------------	-----------	----------	------

Table 14 - MCAST Parameters on Web

Parameters	Description	
Normal Call Priority	Define the priority of the active call, 1 is the	
	highest priority, 10 is the lowest.	
Enable Page Priority	The voice call in progress shall take precedence	
	over all incoming paging calls.	
Name	Listened multicast server name	
Host: port	Listened multicast server's multicast IP address	
	and port.	

Multicast:

- Go to web page of [Function Key] >> [Function Key] , select the type to multicast, set the multicast address, and select the codec.
- Click Apply.
- Set up the name, host and port of the receiving multicast on the web page of [Phone Settings] >> [MCAST].
- Press the DSSKEY of Multicast Key which you set.



• Receiver will receive multicast call and play multicast automatically.

Dynamic multicast:

Function description: Send multicast configuration information through Sip Notify signaling. After receiving the information, the device configures it in the system for multicast monitoring or cancels multicast monitoring in the system

9.3 SMS

9.3.1 SMS

If the service of the line supports the function of the short message, when the other end sends a text message to the number, the user will receive the notification of the short message and display the icon of the new SMS on the standby screen interface.



Picture 33- SMS icon

Send messages:

- Go to [Application] >> [SMS].
- Users can create new messages, select lines and send numbers.
- After editing is complete, click Send.

View SMS:

- Use the navigation keys to select the standby icon [message]
- After selecting, press the navigation key [**OK**] to enter the SMS inbox interface.
- Select the unread message and press [OK] to read the unread message.



9.3.2 MWI (Message Waiting Indicator)

If the service of the lines supports voice message feature, when the user is not available to answer the call, the caller can leave a voice message on the server to the user. User will receive voice message notification from the server and device will prompt a voice message waiting icon on the standby screen.

Indoor Station			* 12
16	56	o door1	1/1
10 SE		ed Voice Message(s)	
CallLog	Contact	Phonebook	0
	දබු Menu	Call Log	0

Picture 34- New Voice Message Notification

--

To listen to a voice message, the user must first configure the voicemail number. After the voicemail number is configured, the user can retrieve the voicemail of the default line.

When the phone is in the default standby state,

- The voicemail icon displays the number of unread voicemail messages.
- Click the icon to view the total number of voicemail messages, or listen to the messages directly in the voicemail interface
- Select [Message] under [Menu]
- Enter [Voice Message] under [Message]
- The "8" in brackets on the SIP1 line represents unread voice messages,

and "46" represents the total number of voice messages.

- Select the line to enter, enable the message and set the message number, press the upper right corner to save
- After setting the message number, press b to listen to the message.



÷	Voice Message	~
Voice Message	1. 0305 (0/0)	
SMS	2. 170 (8/46)	۲
	3. SIP3 (0/0)	
	4. SIP4 (0/0)	
	5. SIP5 (0/0)	
	6. SIP6 (0/0)	
	0 ^	~

Picture 35 - Voice message interface

9.4 SIP Hotspot

SIP hotspot is a simple but practical function. With simple configurations, the SIP hotspot function can implement group ringing. SIP accounts can be expanded.

Set a phone as a SIP hotspot and other phones (B and C) as SIP hotspot clients. When somebody calls phone A, phone A, B, and C all ring. When any phone answers the call, other phones stop ringing. The call can be answered by only one phone. When B or C initiates a call, the SIP number registered by phone A is the calling number.

No Registration		
SIP Hotspot Settings		
Enable Hotspot:	Disabled 💌	0
Mode:	Client	0
Monitor Type:	Broadcast 💌	Ø
Monitor Address:	224.0.2.0	0
Local Port:	16360	0
Name:	SIP Hotspot	0
Line Settings		
Line 1:	Enabled 💌	
Line 2:	Enabled 💌	
Line 3:	Enabled 💌	
Line 4:	Enabled 💌	
Line 5:	Enabled 💌	
Line 6:	Enabled 💌	
	Apply	

To set a SIP hotspot, register at least one SIP account.

Picture 36- Register SIP account



Table 15- SIP hotspot Parameters

Parameters	Description
	If your phone is set to "SIP hotspot server", Device Table will display as Client
Device Table	Device Table which connected to your phone.
	If your phone is set to "SIP hotspot client", Device Table will display as Server
	Device Table which you can connect to.
SIP hotspot	
Enable hotspot	Set it to be Enable to enable the feature.
Mode	Choose hotspot, phone will be a "SIP hotspot server"; Choose Client, phone
Mode	will be a "SIP hotspot Client"
	Either the Multicast or Broadcast is ok. If you want to limit the broadcast
Monitor Type	packets, you'd better use broadcast. But, if client choose broadcast, the SIP
	hotspot phone must be broadcast.
Monitor Address	The address of broadcast, hotspot server and hotspot client must be same.
Remote Port	Type the Remote port number.

Configure SIP hotspot server:

IP	MAC	Alias	Line
172.16.7.181	0c:38:3e:23:b5:9f	1	1
P Hotspot Settings			
Enable Hotspot:	Enabled *		0
Mode:	Hotspot •		0
Monitor Type:	Broadcast *		0
Monitor Address:	224.0.2.0		0
Local Port:	16360		0
Name:	SIP Hotspot		0

Picture 37- SIP hotspot server configuration

Configure SIP hotspot client:

As a SIP hotspot client, no SIP account needs to be set. The Phone set will automatically obtain and be configured a SIP account. On the SIP Hotspot tab page, set Mode to Client. The values of other options are the same as those of the hotspot.



IP	Server name	5. C	Online Status	Connection Status	Alias	Line	
172.16.7.167	SIP Hotspot		OnLine	Connected	1	0	Disconnec
5IP Hotspot Settings							
Enable Hotspot:		Enabled *					0
Mode:		Client *					0
Monitor Type:		Broadcast *					0
Monitor Address:		224.0.2.0					0
Local Port:		16360					0
Name:		SIP Hotspot					0
Line Settings							
Line 1:		Enabled *	1				
Line 2:		Enabled *	1				

Picture 38- SIP hotspot client configuration

As the hotspot server, the default extension number is 0. When the phone is used as the client, the extension number is increased from 1, you can view the extension number through the [**SIP Hotspot**] page.

Call extension number:

- The hotspot server and the client can dial each other through the extension number.
- For example, extension 1 dials extension 0.



10 Phone Settings

10.1 Basic Settings

10.1.1 Language

The user can set the phone language through the phone interface or web interface.

Phone interface: After resetting the factory settings, the user needs to set the language; when setting the language during standby, go to [Menu] >> [Basic Setting] >>[UI Preference]>> [Language] Settings, as shown in the figure.

÷	UI Preference	\checkmark
UI Preference	1. Language	
Ring & Tone	2. Time & Date	
Keyboard	3. Screen	
WLAN	4. Greeting Words	
Reboot System		
	0 ^	\sim

Picture 39 - Set language

• Web interface: Log in to the phone webpage and set the language in the drop-down box at the top right corner of the page, as shown in the figure:



Default password is in use.	Please change English 🔻 🗉 Logout (adm	iin
	English	
	家體中文 Русский	
Reboot Phone	Italiano	
	Deutsch	-
	Français	
	עברית	
NOTE	Español	
	Català	
Description:	Euskera	
Some tools to help	Galego	
administrators or	Türkçe	
technicians to analyze	Slovenian	
issues.	česká	
	Nederlands	
	한국어	
	Українська	
	Português	

Picture 40- web page language setting

 The function box on the right side of the web interface language setting box is "Synchronize language to phone"; if selected, the phone language will be synchronized with the webpage language. If it is not selected, it will not be synchronized.

10.1.2 **Time & Date**

Users can set the phone time through the phone interface and web interface.

Phone end: When the phone is in the default standby state, press the [Menu] >>
 [Basic settings] >>[UI Preference] >>[Time & Date], use the up/down navigation
 button to edit parameters, press the to save after completion, as shown in the
 figure:

÷	Time & Da	ite 🗸
UI Preference	1. Mode	SNTP
Ring & Tone	2. SNTP Server	0.pool.ntp.org
Keyboard	3. Time Zone	(UTC+8) Beijing, Singapore, Perth, I
WLAN	4. Format	DD MMM WW
Reboot System	5.12 Hours Clock	Disabled
	6. Daylight Saving Time	Disabled
	0	^ V



Picture 41- set time & date

• Web end: Log in to the phone webpage and enter [**Phone Settings**] >> [**Time/Date**], as shown in the figure:

	Features Media Settings	MCAST Action Time/Date Time Plan	Tone Advanced
> System			NOTE
> Network	Network Time Server Settings		Description:
/ Network	Time Synchronized via SNTP	2	Time and date settings.
> Line	Time Synchronized via DHCP		you can set the time through the network time
	Time Synchronized via DHCPv6		 server, or manually set the time, select the time zone and date format.
> Settings	Primary Time Server	0.pool.ntp.org	
· Settings	Secondary Time Server	time.nist.gov	0
	Time zone	(UTC+8) Beijing, Singapore, Perth, Irkut: •	0
> Phonebook	Resync Period	9600 second(s)	0
	Time/Date Format		
> Call logs	12-hour clock		
	Time/Date Format	DD MMM WW TO SEP THU	
Function Key			
> Security			
	Daylight Saving Time Settings		
> Device Log	Location	None v	
	DST Set Type	Disabled	
> Security Settings		Apply	
	Manual Time Settings		
	2020-9-10 17	V 48 V Apply	

Picture 42- webpage set time &date

Table 1	15- set	time I	Parameters
---------	---------	--------	------------

Parameters	Description					
Mode	Auto/Manual					
	Auto: Enable network time synchronization via SNTP protocol,					
	default enabled.					
	Manual: User can modify data manually.					
SNTP Server	SNTP server address					
Time zone	Select the time zone					
Time format	Select time format from one of the followings:					
	■ 1 JAN, MON					
	1 January, Monday					
	■ JAN 1, MON					
	■ January 1, Monday					
	■ MON, 1 JAN					
	Monday, 1 January					
	■ MON, JAN 1					
	Monday, January 1					
	DD-MM-YY					
	DD-MM-YYYY					
	■ MM-DD-YY					



	MM-DD-YYYY
	■ YY-MM-DD
	■ YYYY-MM-DD
Separator	Choose the separator between year and moth and day
12-Hour Clock	Display the clock in 12-hour format
Daylight Saving Time	Enable or Disable the Daylight Saving Time

10.1.3 Screen

The user can adjust the brightness of phone screen in LCD in two ways.

- Slide down the outgoing status bar page in standby mode. Slide down again to adjust phone brightness conveniently.
- Enter the [Menu] >> [Basic Settings]>> [UI Preference]>>[Screen] and then adjust the brightness.Click V to save.

÷	Screen Sett	ing	\checkmark
UI Preference	1. Backlight Active Level	12	
Ring & Tone	2. Backlight Inactive Lev.	1	
Keyboard	3. Backlight Time	60	
WLAN	4. Screensaver	Enabled	
Reboot System	5. Timeout to Screensa	120	
	0	^	\sim

Picture 43- set screen Parameters

• Web interface: Enter [**Settings**] >> [**Advanced**], edit screen parameters, and click Submit to save



10.1.3.1 Brightness and backlight

Set the brightness level in the use state from 1 to 16. Set the brightness level in energy saving mode from 0 to 16 optional. Set the backlight time, the default is 30 seconds, you can turn it off or choose 15 seconds/30 seconds/45 seconds/60 seconds/90 seconds/120 seconds. The screen saver can be turned on or off, and it is turned on by default. Web interface: Enter [**Settings**] >> [**Advanced**], edit the screen parameters, and click Submit to save.

	Features	Media Settings	MCAST	Action	Time/Date	Time Plan	Tone	Advanced
› System						_		NOTE
> Network	Screen Configu Backlight A		12	(1~16)			Ø	Description: Set up the advanced
> Line	Backlight Ti		1 60	(0~16) (0~120)second(s)		0	functions of the phone, such as backlight, menu password, keyboard locks, etc.
> Settings	Screensave Timeout to	r Screensaver:	Enabled 120	▼ (15~120)second(s)		0 0	
> Phonebook			Apply					
› Call logs	LCD Menu Pass						0	
Function Key			Apply					
> Security	Keyboard Lock Keyboard P Keyboard T	assword:					0	
> Device Log	Keyboard L		Disabled Apply	•			0	
Security Settings	Greeting Words	5						
	Greeting W	ords:	Indoor Station Apply	n (0-12 c	haracter(s))			

Picture 44- set screen on webpage

10.1.3.2 Screen Saver

- Press [Screen Settings] to find the [Screen Saver] button, turn on/off the screen saver, set the timeout time, the default is 120S, press V to save after finished.
- Return
- to standby after saving, screen saver will display after 120s, as follows





Picture 45- Screensaver

10.1.4 Ring

When the device is in the default standby mode,

- Enter [Menu] >> [Basic settings].
- Enter [Ring&Tone] >> [Ring]

Set ring type and save it by press

10.1.5 Voice Volume

When the device is in the default standby mode

- Enter [Menu] >> [Basic settings].
- Enter [Ring&Tone] >> [Voice Volume]
- Set volume and save it by press

10.1.6 Greeting words

The device is in the default standby state. Press [**Menu**] to find the [**Basic Settings**] button. Press the [**UI Preference**] button to find the [**Welcome**] button.



Enter the setting interface, press to save after completion

Note: Only after the default line selection function is disabled, the welcome message can be displayed in the upper left corner of the standby

10.1.7 **Reboot**

When the device is in the default standby mode,

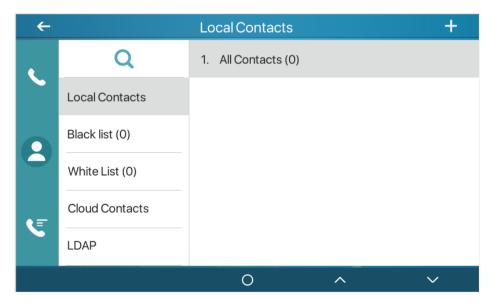
- Enter [Menu] >> [Basic setting] >> [Reboot] item.
- Click [**Reboot**] to indicate whether to restart the phone.
- Press to restart the phone or press to exit the prompt box to return to the configuration interface.

10.2 Phonebook

Users can save contact information in the phone book and dial the contact's phone number directly in the phone book. The user can open the phone book by pressing the function menu button "contact" or the preset button "phone book" on the phone in the default main interface.

By default, the phone book is empty, and users can add manually or add contacts to the phone book from the call log (or cloud phone book).

NOTICE! The device can save up to total 2000 contact records.



Picture 46- local contact



When there are contact records in the phone book, the contact records will be arranged in the alphabet order. User may browse the contacts with up/down navigator keys. The record indicator tells user which contact is currently focused. User may check the contact's information by pressing [**OK**] button.

10.2.1.1 Add / Edit / Delete Contact

Add a contact, click to enter the contact interface, select the first icon (contact icon, selected by default) and add the following contact information.

- Contact Name
- Tel. Number
- Mobile Number
- Other Number
- Line
- Ring Tone
- Contact Group
- Photo

←		Add Contacts		\sim
•	Q	1. Name		
	Local Contacts	2. Office Number		
	Black list (0)	3. Mobile		
2	White List (0)	4. Other Number		
•=	Cloud Contacts	5. Line	Auto	
E	LDAP	6. Ring type	Default	
		0	^	\sim

Picture 47- add contact

User can edit a contact by pressing button \equiv .



÷		All C	Cont	acts (1/1)		\checkmark
¢	Q		fgb	ouh.	56	≡
	Local Contacts		1.	Edit		
	Black list (0)			Detail Delete		
2	White List (0)			Send Messa	ge	
•=	Cloud Contacts			Add to Black		
C	LDAP					
			(С	^	\sim

Picture 48- edit contact

Delete the contact	, press	≡ to	delete	the	contact,	when	press	it will	prompt
whether to delete, press	s 🗹 to	delete.							

10.2.1.2 Add / Edit / Delete Group

By default, the group list is empty. Users can create their own group, edit group names, add or remove contacts from the group, and delete groups.

- Add group. Enter contact list interface, press 📴 to create groups.
- Delete groups, press \equiv to delete
- To edit the group, press \equiv to edit.

The brackets indicate the total number of records in the group.



←		Local Contacts	+
¢	Q	1. All Contacts (1)	
	Local Contacts		
2	Black list (0)		
	White List (0)		
E	Cloud Contacts		
	LDAP		
		0 ^	\sim

Picture 49- group

10.2.1.3 Add / Edit / Delete contact in Group

←		fae (1/1)		+
¢	Q		455)	≡
	Local Contacts			
2	Black list (0)			
	White List (0)			
E	Cloud Contacts			
	LDAP			
		0	^	\sim

User can browse the contact in group

Picture 50- browse the contact in group

When the user browses the contacts in the group, he can press to enter the add contact interface, and then press \checkmark to save the contact, the contact will also be



synchronized to the local phone book. You can also delete contacts in the group by press

≡.

10.2.2 Black list

The device supports blacklist, such as the number added to the blacklist, the number of calls directly refused to the end, the end of the phone shows no incoming calls. (Blacklisted Numbers can be called out normally)

- There are multiple ways to add a number to Blacklist on the device. It can be added directly on [Menu] >> [phone book] icon>> [Black list].
- Select any number in the phone book (both local and network) for configuration addition.
- Select any number in the call log for configuration addition.

←		Black list	+
¢	Q		
	Local Contacts		
2	Black list (0)		
	White List (0)		
E	Cloud Contacts		
	LDAP		
		0 ^	\sim

Picture 51- add blacklist

- There are various ways to add number to the blacklist on web page, which can be added in the [Phone book] >> [Call list] >> [Restricted Incoming Calls].
- Select any number in the phone book (both local and network) for configuration addition.
- Select any number in the call log for configuration addition.



	Contacts Cloud phonebook	Call List Web Dial	Advanced	
System				NOTE
Network	Restricted Incoming Calls		Add Delete Delete All	Description:
Line		Caller Number	Line	List of incoming and outgoing control rights: blacklist, whitelist, restricted call list.
Settings	Allowed Incoming Calls		Add Delete Delete All	restricted call list.
Phonebook		Caller Number	Line WhiteList Type	
Call logs	Restricted Outgoing Calls		Add Delete Delete All	
		Caller Number	Line	
Function Key				
Security				
Device Log				
Security Settings				

Picture 52- Black list

10.2.3 Cloud Phone Book

10.2.3.1 Configure Cloud Phone book

Cloud phonebook allows user to configure the device by downloading a phonebook from a cloud server. This is convenient for office users to use the phonebook from a single source and save the effort to create and maintain the contact list individually. It is also a useful tool to synchronize his/her phonebook from a personal mobile phone to the device with Fanvil Cloud Phonebook Service and App which is to be provided publicly soon.

NOTICE! The cloud phonebook is ONLY temporarily downloaded to the device each time when it is opened on the device to ensure the user get the latest phonebook. However, the downloading may take a couple seconds depending on the network condition. Therefore, it is highly recommended for the users to save important contacts from cloud to local phonebook for saving download time.

Open cloud phonebook list, press [Menu] >> [Contacts] >> [Cloud Contacts] in phonebook screen.

TIPS! The first configuration on cloud phone should be completed on Web page by selecting [PhoneBook] >> [Cloud Contacts]. The setting of addition/deletion on device could be done after the first setting on Web page.



←		Cloud Contacts		
e	Q			
	Local Contacts			
2	Black list (0)			
	White List (0)			
E	Cloud Contacts			
	LDAP			
		0	^	\sim

Picture 53 - cloud contacts

10.2.3.2 Downloading Cloud Phone book

In cloud phone book screen, user can open a cloud phone book by pressing the network phonebook. The device will start downloading the phone book. The user will be prompted with a warning message if the download fails,

Once the cloud phone book is downloaded completely, the user can browse the contact list and dial the contact number same as in local phonebook.

←		Cloud Contacts	\checkmark
¢	Q	1. 123	≡
	Local Contacts	2. 苏州方位通讯科技有限公司北京分公司	≡
	Black list (0)	3. 4215	≡
	White List (0)	4. xmllingling	≡
E	Cloud Contacts	5. udser	≡
	LDAP	6. ZXZX只有电话名字没有号码的,联系人	≡
		0 ^ ~	,



Picture 54-Browsing Contacts in Cloud Phone book

10.3 Call Log

The device can store up to 1000 call log records and user can open the call logs to check all incoming, outgoing, and missed call records by pressing [**CallLog**] icon.

In the call logs screen, user may browse the call logs with up/down navigator keys.

Each call log record is presented with 'call type' and 'call party number / name'. User can check further call log detail by pressing \equiv icon and dial the number with pressing the call log, or add the call log number to phonebook with pressing \equiv lcon >> [Add to Contact].

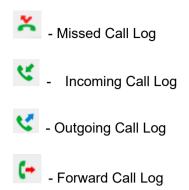
User can delete a call log by pressing [**Delete**] button and can clear all call logs by pressing [**Delete All**] button from \equiv .

←			All		
¢	Q	×	123	10 Sep 16:23	≡
	All	હ	123	10 Sep 11:49	≡
•	In	સ	123	10 Sep 11:07	≡
	Out	હ	123	09 Sep 20:57	≡
E	Miss	×	123	09 Sep 20:57	≡
	Forward	હ	123	09 Sep 20:42	≡
			0	^	\sim

Picture 55- call log

Users can also filter the call records of specific call types to narrow down the scope of search records, and select a call record type by left and right navigation keys. 58





←			Out		
¢	Q	હ	123	09 Sep 20:39	≡
	All	ধ	6	09 Sep 20:35	≡
•	In	ধ	69	09 Sep 18:00	≡
	Out	¢	69	09 Sep 18:00	≡
E	Miss	ও	69	09 Sep 17:59	≡
	Forward	ও	69	09 Sep 17:58	≡
			0	^	\sim

Picture 56- Filter call record types

10.4 Function Key

It shows 8 DSSKEY keys in standby mode on Screen, each of which can be customized.



÷	Keyboard 🗸 🗸	/
UI Preference	1. DSS Key Settings	
Ring & Tone	2. Soft DSS Key Settings	
Keyboard	3. Softkey	
WLAN		
Reboot System		
	0 ^ ~	

Picture 57- Dss key settings

The DSS Key could be configured as followings,

- Memory Key
 - Speed Dial/Intercom/BLF/Presence/Call Park/Call Forward (to someone)
- Line
- Key Event
 - MWI/DND/Hold/Transfer/Phonebook/Redial/Pickup/Call Forward (to specified line)/Headset/ SMS/Release
- DTMF
- Action URL
- BLF List Key
- MCAST Paging
- MCAST Listening
- Action URL
- XML Browser

Moreover, user also can add the user-defined title for the DSS Keys, which is configured as Memory Key / Line / URL / MCAST Paging / Prefix.

NOTICE! User-defined title is up to 10 characters.

More detailed information *refers to* <u>12.31 *Function Key* >> *Function Key* **and** <u>6.2 ppendix</u> <u>ii</u></u>

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10.5 Wi-Fi

The device supports wireless Internet access and has built-in Wi-Fi without external devices.

10.5.1 Wireless network

When the device is in the default standby state, search for wireless networks

Press menu [Menu] >> [Basic Settings] .

Click [Basic Settings] >> [WLAN].

Click [Wireless Network] to enter the setting interface.

Turn on the wireless network, click Save, and the device will automatically search for wireless networks under the current network after enabling.

~	WLAN	\checkmark
UI Preference	1. WLAN	
Ring & Tone	2. AP Setting	
Keyboard		
WLAN		
Reboot System		
	0 ^	\sim

Picture 58 – WLAN

- The device connects to the wireless network
- Select the available network, select wireless after entering, click
 , enter username, password to connect
- After connection successful wiill change to



÷	WLAN		\checkmark
UI Preference	1. WLAN	Enabled	
Ring & Tone	2. WLAN Status	Connected	
Keyboard	3. Known Network	3 Known Network(s)	
WLAN	4. Available Network	14 Available Network(s)	
Reboot System			
	-		
	0	^	~

Picture 59-wireless network

Connection to wireless network

- Log in to the webpage, [Network]>>[Wi-Fi Settings]
- Configure Wi-Fi information, after the configuration is complete, click Add
- Turn on Wi-Fi and click Submit.

	Basic	Wi-Fi Settings	Service Port	VPN	Advanced	
› System						
> Network	Wi-Fi Settings Wi-Fi Enable	2:				
› Line			Apply			
	Wi-Fi Info Add					
> Settings	Wi-Fi Name	:				
	SSID:					
> Phonebook	Secure Mod		WPA/WPA2-PSI	< ▼		
	Encryption	Type:	TKIP	•		
> Call logs	Username:					
	Password					
Function Key			Add			
	Wi-Fi Info List					
Security		Wi-Fi Name	SSI	D	Secure Mode	Encryption Type
		H3C	H3C_f	anvil	WPA/WPA2-SPK	TKIP
Device Log					None	TKIP
			Fan	vil	WPA/WPA2-SPK	AES(CMPP)
Security Settings			Fanvil-AP-	2.4GHZ	WPA/WPA2-SPK	AES(CMPP)
						Delete Modify

Picture 60- webpage wireless connect



10.5.2 AP setting

In the absence of a wired network, you can set up a wireless network connection by turning on the AP mode of the device and connecting to the backstage webpage of the device with a mobile phone.

Press menu button [Menu] >> [Basic Settings] button.

Click [Basic Settings] >> [WLAN] >> [AP Settings]

Enable AP, prompt to restart, it will take effect after restart (cannot be turned on at the same time as the wireless network, if the wireless network is enabled, you need to turn it off)

After restarting, enter the AP setting interface, you can see the SSID and IP address named after the device's MAC address

÷		WLAN		\checkmark
UI Preference	1. WLAN			
Ring & Tone	2. AP Setting			
Keyboard				
WLAN				
Reboot System				
		0	^	\sim

Picture 61- AP info

Turn on Wi-Fi, you can see the Wi-Fi network named by the device's MAC address, click to connect without a password



After the connection is successful, scan the QR code with the browser of the mobile phone to enter the login interface of the device background Enter username/password (default admin)

After logging in, select Wi-Fi settings, manually add Wi-Fi and enable Wi-Fi, the device will automatically connect to the Wi-Fi network after the setting is completed

Back to standby, you can see the Wi-Fi icon in the status bar

10.6 Advanced

10.6.1 Line Configurations

Phone access [Phone settings] >> [Account] >> [Line], select [Register Account] to configure the SIP line on the phone.

÷	Basic	\checkmark
Accounts	1. SIP	SIP1
Network	2. Registration	Enabled
Security	3. Server Address	172.16.1.2
Maintenance	4. Auth. User	
	5. Auth. Password	****
	6. SIP User	0305
	0	~ ~

Picture 62-line configurations

For users who want to configure more options, user should use web management portal to modify or [**More Register Settings**] in accounts on the individual line to configure those options.



←	Advance	d 🗸
Accounts	1. SIP	SIP1
Network	2. Domain Realm	
Security	3. Dial Without Register	Disabled
Maintenance	4. Anonymous	None
	5. DTMF Mode	AUTO
	6. Use STUN	Disabled
	0	~

Picture 63- Configure Advanced Line Options

10.6.1.1 Network Settings

10.6.1.2 Network Settings

Phone access [**Phone Settings**] >> [**Network**] >> [**Network**], you can configure the SIP line on the phone.

■ IP Mode

There are 3 connection mode options: IPv4、IPv6、IPv4&IPv6 Click to switch IP mode



←		IP Mode		\checkmark
Accounts	1. IP Mode	IPv4		
Network		1. IPv4		
Security		2. IPv6		
Maintenance		3. IPv4 & IPv6		
		L		1
		0	^	\sim

Picture 64- IP Mode

■ IPv4

The network type has three modes: DHCP, PPPoE, and static IP.

~	Networl	\checkmark	
Accounts	1. Connection Mode	DHCP	
Network	2. Use DHCP DNS	Enabled	
Security	3. Use DHCP Time	Disabled	
Maintenance	_		
	-		
	0	~	\sim

Picture 65- DHCP network mode

When using DHCP mode, phone will get the IP address from DHCP server (router).



• Obtain DNS Server automatically: It is enabled as default. "Enable" means phone will get DNS address from DHCP server and "disable" means not.

÷	Network	<	\checkmark
Accounts	1. Connection Mode	PPPoE	
Network	2. Username	user123	
Security	3. Password	****	
Maintenance			
	-		
	0	~ ``	/

Picture 66 - PPPoE network mode

When the network is set to PPPoE, the PPPoE server issues the network IP address of the device.

User: Fill in the username of the PPPoE server.

Password: Fill in the password of the PPPoE server

÷	Network		/
Accounts	1. Connection Mode	Static IP	
Network	2. IP Address	192.168.1.179	
Security	3. Mask	255.255.255.0	
Maintenance	4. Gateway	192.168.1.1	
	5. Primary DNS	8.8.8.8	
	6. Secondary DNS	202.96.134.133	
	Ο	~ V	

Picture 67- Static IP network mode



When using Static IP mode, user must configure the IP address manually.

- IP Address: Phone IP address.
- Subnet Mask: sub mask of your LAN.
- IP Gateway: The gateway IP address. Phone could access the other network via it.
- Primary DNS: Primary DNS address. The default is 8.8.8.8, Google DNS server address.
- Secondary DNS: Secondary DNS. When primary DNS is not available, it will work.
- IPv6
- The network type has two modes to : DHCP and static IP.
- DHCP network settings are the same as IPv4.
- The static IP network settings are compatible with IPv4, just need to fill in the prefix in IPv6 Prefix.
- IPv6 Prefix: IPv6 prefix digits, the prefix represents the network bit, similar to the IPv4 subnet mask.

÷	Network	ĸ	\sim
Accounts	1. Connection Mode	Static IP	
Network	2. IP Address		
Security	3. IPv6 Prefix		
Maintenance	4. Gateway		
	5. Primary DNS		
	6. Secondary DNS		
	0	^	\sim

Picture 68- IPv6 Static IP network mode

10.6.1.3 QoS & VLAN

LLDP

Link Layer Discovery Protocol. LLDP is a vendor independent link layer protocol used by network devices for advertising their identity, capabilities to neighbors on a LAN ⁶⁸



segment.

Phone could use LLDP to find the VLAN switch or other VLAN devices and use LLDP to learn feature to apply the VLAN ID from VLAN switch to phone its self.

CDP

Cisco Discovery Protocol. CDP is a not-for-profit charity that runs the global disclosure system for investors, companies, cities, states and regions to manage their environmental impacts. According to the CDP, Cisco devices could share the OS version, IP address, hardware version and so on.

Parameters	Description
LLDP setting	
Report	Enable LLDP
Interval	LLDP requests interval time
Learning	apply the learned VLAN ID to the phone
	configuration
QoS	
QoS Mode	configure SIP DSCP and audio DSCP
WAN VLAN	
WAN VLAN	WAN port VLAN configuration
LAN VLAN	
LAN VLAN	LAN port VLAN configuration
CDP	
CDP	CDP enable/disable , CDP interval time

Table 16- QoS & VLAN

Note: QoS & VLAN details refer to

http://www.fanvil.com/Uploads/Temp/download/20180920/5ba383b56c3ef.pdf

10.6.1.4 VPN

Virtual Private Network (VPN) is a technology to allow device to create a tunneling connection to a server and becomes part of the server's network. The network transmission of the device may be routed through the VPN server.

For some users, especially enterprise users, a VPN connection might be required to be established before activate a line registration. The device supports two VPN modes,



Layer 2 Transportation Protocol (L2TP) and OpenVPN.

The VPN connection must be configured and started (or stopped) from the device web portal.

■ L2TP

NOTICE! The device only supports non-encrypted basic authentication and non-encrypted data tunneling. For users who need data encryption, please use OpenVPN instead.

To establish a L2TP connection, users should log in to the device web portal, open page [Network] -> [VPN]. In VPN Mode, check the "Enable VPN" option and select "L2TP", then fill in the L2TP server address, Authentication Username, and Authentication Password in the L2TP section. Press "Apply" then the device will try to connect to the L2TP server.

When the VPN connection established, the VPN IP Address should be displayed in the VPN status. There may be some delay of the connection establishment. User may need to refresh the page to update the status.

Once the VPN is configured, the device will try to connect to the VPN automatically when the device boots up every time until user disable it. Sometimes, if the VPN connection does not established immediately, user may try to reboot the device and check if VPN connection established after reboot.

OpenVPN

To establish an OpenVPN connection, user should get the following authentication and configuration files from the OpenVPN hosting provider and name them as the following,

OpenVPN Configuration file:	client.ovpn
CA Root Certification:	ca.crt
Client Certification:	client.crt
Client Key:	client.key

User then upload these files to the device in the web page [Network] -> [VPN], Section OpenVPN Files. Then user should check "Enable VPN" and select "OpenVPN" in VPN Mode and click "Apply" to enable OpenVPN connection.



Same as L2TP connection, the connection will be established every time when system rebooted until user disable it manually.

http://www.fanvil.com/Uploads/Temp/download/20180920/5ba38303bfcf0.pdf

10.6.1.5 Web Server Type

Configure the Web Server mode to be HTTP or HTTPS and will be activated after the reboot. Then user could use http/https protocol to access pone web page.

÷	Web Server Type				\checkmark
Accounts	1. Protocol		HTTP		
Network		1. HTTP	þ		
Security		2. HTTF	PS		
Maintenance					
		0		^	\sim

Picture 69 - The phone configures the web server type

10.6.2 Set The Secret Key

When the device is in the default standby mode,

- Select [Phone Settings]>> [System]>> [Password]
- Click [**Password**] to change password.



~	Security	\checkmark
Accounts	1. Menu Password	
Network	2. Keyboard Password	
Security		
Maintenance		
	\cap \wedge	\sim

Picture 70- Menu Password

~	Menu Passv	word	\checkmark
Accounts	1. Current password	I	
Network	2. New password		
Security	3. Confirm password		
Maintenance			
	0	~	~

Picture 71 - Menu password setting

The menu password is the advanced setting password.

[Current password] If you not set password, the default password is 123.

[New password] The password you want to reset.

The password immediately takes effect after the setting is completed, and the password is not displayed in plain text after being entered.



÷	Security	\checkmark
Accounts	1. Menu Password	
Network	2.	
Security	Enter Password	
Maintenance		
	0 ^	\sim

Picture 72- Menu password input

The keyboard password is used to unlock the keyboard after the device is locked.

÷	Keyboard Pas	sword	\checkmark
Accounts	1. Keyboard Status	Disabled	
Network			
Security			
Maintenance			
	0	^	\sim

Picture 73- keyboard password setting

The setting of keyboard password only for turn on or turn off on device Select [Keyboard Password] and click it ,it will pop up a prompt to enter a password, this password is the menu password (the default password is 123).



If the password is correct, you will enter the keyboard lock status interface. The keyboard lock status is off by default, and the timeout period will take effect after you choose to enable it.

Return to standby.,After the timeout period, the device will lock the keyboard, and there will be a lock icon on the top of the device. Press any key at this time will prompt a password box.

		Features	Media Settings	MCAST	Action	Time/Date	Time Plan	Tone	Advanced
> System									NOTE
› Network	Scr	een Configur Backlight Ac		12	(1~16)			Ø	Description: Set up the advanced
> Line		Backlight In Backlight Tir	nactive Level: me:	1 60	(0~16) (0~120)second(s)		0 0	functions of the phone, such as backlight, menu password, keyboard locks, etc.
> Settings		Screensaver Timeout to S	r Screensaver:	Enabled 15	(15~120)second(s)		0 0	IULKS, ELL.
> Phonebook				Apply					
> Call logs	LCI	D Menu Passy Menu Passw	word Settings	•••				0	
Function Key				Apply					
> Security	Key	yboard Lock Keyboard Pa Keyboard Ti	assword:					0	
> Device Log		Keyboard Lo		Disabled Apply	•			0	
Security Settings	Gre	eting Words	;		_				
		Greeting Wo	ords:	Indoor Station Apply	n(0-12	character(s))			

Picture 74- webpage keyboard password setting

10.6.3 Maintenance

Phone Webpage: Login and go to [System] >> [Auto provision].



	Information Account Configuration	ons Upgrade Auto Provision FDMS	Tools Reboot Phone
> System			NOTE
	Basic Settings		
> Network	CPE Serial Number:	00100400FV0200100000c383e461e62	Description: Auto Provisioning is used
	Authentication Name:		a to realize
> Line	Authentication Password:		emote/automatically
	Configuration File Encryption Key:		 delpoyment configuration and some other related
> Settings	General Configuration File Encryption Key:		 and some other related files.
	Download Fail Check Times:	5	
> Phonebook	Update Contact Interval:	720 (0,>=5)Minute	0
	Save Auto Provision Information:		0
> Call logs	Download CommonConfig enabled:	2	
	Enable Server Digest:		0
> Function Key	Display Provision Prompt:	Enable Provision Normal Prompt V	0
	DHCP Option >>		
> Security	SIP Plug and Play (PnP) >>		
> Device Log	Static Provisioning Server >>		
Security Settings	Autoprovision Now >>		
> Security Settings	TR069 >>		
	Ap	ply	

Picture 75- Page auto provision Settings

LCD: Enter [Phone Settings] >> [System] >> [Maintain] >> [Auto Provision].

÷	Auto Provision 🗸 🗸 🗸	/
Accounts	1. IPv4 DHCP Option	
Network	2. IPv6 DHCP Option	
Security	3. SIP Plug and Play	
Maintenance	4. Static Provisioning Server	
	0 ^ ~	

Picture 76- Phone auto provision settings

Fanvil devices support SIP PnP, DHCP options, Static provision, TR069. Transferring protocol: FTP、 TFTP、 HTTP、 HTTPS Details refer to **Fanvil Auto Provision in** http://www.fanvil.com/Uploads/Temp/download/20180920/5ba3816f8d5f0.pdf

Table 17 - Auto Provision



Parameters	Description
Basic settings	
CPE Serial Number	Display the device SN
Authentication Name	The user name of provision server
Authentication Password	The password of provision server
Configuration File	If the device configuration file is encrypted , user should add
Encryption Key	the encryption key here
General Configuration File	If the common configuration file is encrypted, user should add
Encryption Key	the encryption key here
Download Fail Check	If there download is failed, phone will retry with the configured
Times	times.
Update Contact Interval	Phone will update the phonebook with the configured interval
	time. If it is 0, the feature is disabled.
Save Auto Provision	Save the HTTP/HTTPS/FTP user name and password. If the
Information	provision URL is kept, the information will be kept.
Download Common	Whether phone will download the common configuration file
Config enabled	Whether phone will download the common configuration file.
Enable Server Digest	When the feature is enable, if the configuration of server is
Enable Server Digest	changed, phone will download and update.
DHCP Option	
	Confiugre DHCP option, DHCP option supports DHCP custom
Option Value	option DHCP option 66 DHCP option 43, 3 methods to get
	the provision URL. The default is Option 66.
Custom Option Value	Custom Option value is allowed from 128 to 254. The option
	value must be same as server define.
Enable DHCP Option 120	Use Option120 to get the SIP server address from DHCP
	server.
SIP Plug and Play (PnP)	
	Whether enable PnP or not. If PnP is enable, phone will send
	a SIP SUBSCRIBE message with broadcast method. Any
Enable SIP PnP	server can support the feature will respond and send a Notify
	with URL to phone. Phone could get the configuration file with
	the URL.
Server Address	Broadcast address. As default, it is 224.0.0.0.
Server Port	PnP port
Transport Protocol	PnP protocol, TCP or UDP.
Update Interval	PnP message interval.



Static Provisioning Server				
Server Address	Provisioning server address. Support both IP address and			
Server Address	domain address.			
	The configuration file name. If it is empty, phone will request			
	the common file and device file which is named as its MAC			
Configuration File Name	address.			
	The file name could be a common name, \$mac.cfg, \$input.cfg.			
	The file format supports CFG/TXT/XML.			
Drotocol Turo	Transferring protocol type , supports FTP、TFTP、HTTP and			
Protocol Type	HTTPS			
Lindata Interval	Configuration file update interval time. As default it is 1, means			
Update Interval	phone will check the update every 1 hour.			
	Provision Mode.			
Lindata Mada	1. Disabled.			
Update Mode	2. Update after reboot.			
	3. Update after interval.			
TR069				
Enable TR069	Enable TR069 after selection			
ACS Server Type	There are 2 options Serve type, common and CTC.			
ACS Server URL	ACS server address			
ACS User	ACS server username (up to is 59 character)			
ACS Password	ACS server password (up to is 59 character)			
Enable TR069 Warning	If TR069 is enabled, there will be a prompt tone when			
Tone	connecting.			
TLS Version	TLS version (TLS 1.0, TLS 1.1, TLS 1.2)			
INFORM Sending Period	INFORM signal interval time. It ranges from 1s to 999s			
STUN Server Address	Configure STUN server address			
STUN Enable	To enable STUN server for TR069			

10.6.4 Firmware Upgrade

• Web page: Login phone web page, go to [**System**] >> [**Upgrade**].



	Information	Account Configuratio	ons Upgrade	Auto Provision	FDMS	Tools	Reboot Phone
> System							NOTE
> Network	Software upgrad	e 🥑 Current Software Version:	0.1.2				Description: This page is used to
> Line		System Image File:		Select	Upgrade		upgrade some files for phone, including firmware, ring tones, wall
› Settings	Upgrade Server	Enable Auto Upgrade:					paper, etc.
> Phonebook		Upgrade Server Address1: Upgrade Server Address2: Update Interval:	24	hour			
› Call logs			Apply				
› Function Key	Firmware Inform	nation Current Software Version:	0.1.2				
› Security		Server Firmware Version:					
> Device Log		New Firmware Information:					
> Security Settings	Ring Upgrade 🕜						
		Load Server File:		Select	(*.wav) Uple	bad	
	Ring List 🖉						
		Index	File Name		File Size		
						Delete	
	Background Upg	rade 🕜					
		Load Server File:		Select	(*.bmp) Upl	oad	

Picture 77- Web page firmware upgrade

• LCD interface: go to [Menu] >> [Maintain] >> [Upgrade] .

Table 18-	firmware	upgrade
-----------	----------	---------

Parameter	Description		
Upgrade server			
	Enable automatic upgrade, If there is a new version txt		
Enable Auto Upgrade	and new software firmware on the server, phone will		
	show a prompt upgrade message after Update Interval.		
Upgrade Server Address1	Set available upgrade server address.		
Upgrade Server Address2	Set available upgrade server address.		
Update Interval	Set Update Interval.		
Firmware Information			
Current Software Version	It will show Current Software Version.		
Server Firmware Version	It will show Server Firmware Version.		
	If there is a new version txt and new software firmware		
	on the server, the page will display version information		
[Upgrade] button	and upgrade button will become available; Click		
	[Upgrade] button to upgrade the new firmware.		
New version description	When there is a corresponding TXT file and version on		
	the server side, the TXT and version information will be		
information	displayed under the new version description information.		



- The file requested from the server is a TXT file called vendor_model_hw10.txt.Hw followed by the hardware version number, it will be written as hw10 if no difference on hardware. All Spaces in the filename are replaced by underline.
- The URL requested by the phone is HTTP:// server address/vendor_Model_hw10
 .txt: The new version and the requested file should be placed in the download directory of the HTTP server, as shown in the figure:

名称	修改日期	类型	大小
fanvil_x6_hwv1_0.txt	2018/9/11 17:57	文本文档	1 KB
fanvil_x6_hwv1_1.txt	2018/9/11 17:57	文本文档	1 KB
fanvil_x6_hwv1_2.txt	2018/9/11 17:57	文本文档	1 KB
fanvil x6 hwv1 3.txt	2018/9/11 17:57	文本文档	1 KB
📜 x6-6904-P0.12.12-1.6.3-2502T2018-0	2018/8/21 19:52	WinRAR 压缩文	35,847 KB

- TXT file format must be UTF-8
- vendor_model_hw10.TXT The file format is as follows:

Version=1.6.3 #Firmware

Firmware=xxx/xxx.z #URL, Relative paths are supported and absolute paths are possible, distinguished by the presence of protocol headers. BuildTime=2018.09.11 20:00 Info=TXT|XML

Xxxxx Xxxxx

Xxxxx

Xxxxx

 After the interval of update cycle arrives, if the server has available files and versions, the phone will prompt as shown below. Click [view] to check the version information and upgrade.



21976 📮	4:53 PM
New Firmware Information	
Firmware Update	

Picture 78- firmware upgrade

10.6.5 Factory Reset

The phone is in default standby mode.

- Press [Phone Settings] to find [System]>> [Maintain]>> [Phone Reset].
- Press the [Reset] button to select the file to be cleared.

Press [**OK**] to clear after completion. When you select clear configuration file and clear all, the phone will restart automatically after clearing.

←	Reset to Def	ault	\checkmark
Accounts	1. Clear ETC File	Disabled	
Network	2. Clear Config File	Disabled	
Security	3. Clear Userdata	Disabled	
Maintenance	4. Clear All	Disabled	
	0	^	\sim

Picture 79 - factory reset



11 Web Configurations

11.1 Web Page Authentication

The user can log into the web page of the phone to manage the user's phone information and operate the phone. Users must provide the correct user name and password to log in.

When logging in to the web page with the same or different IP, if the user name/password is entered incorrectly three times, the web page will be locked and you can log in again. after 5 minutes.

User:	
Password:	
Language:	English 🔻 🔲
	Login

Picture 80- web login



When the user logs in for the first time, the default user name and password are used. If the password is not changed after login, the web page will prompt "The default password is being used, please change it". After clicking, you can jump to the modify password interface to modify the login password.



Picture 81- default password prompt

11.2 System >> Information

User can get the system information of the device in this page including,

- Model
- Hardware Version
- Software Version
- Uptime

And summarization of network status,

- Network Mode
- MAC Address
- IP
- Subnet Mask
- Default Gateway

Besides, summarization of SIP account status,

- SIP User
- SIP account status (Registered / Unapplied / Trying / Timeout)

11.3 System >> Account

On this page the user can change the password for the login page.

Users with administrator rights can also add or delete users, manage users, and set permissions and passwords for new users.



11.4 System >> Configurations

On this page, users with administrator privileges can view, export, or import the phone configuration, or restore the phone to factory Settings.

Clear Configurations

Select the module in the configuration file to clear. SIP: account configuration. AUTOPROVISION: automatically upgrades the configuration TR069:TR069 related configuration MMI: MMI module, including authentication user information, web access protocol, etc. DSS Key: DSS Key configuration

Clear Tables

Select the local data table to be cleared, all selected by default.

Reset Phone

The phone data will be cleared, including configuration and database tables.

11.5 System >> Upgrade

Upgrade the phone software version, customized ringtone, background, DSS Key icon, etc., can also be upgraded to delete the file. Ring tone support ".wav" format.

11.6 System >> Auto Provision

The Auto Provision settings help IT manager or service provider to easily deploy and manage the devices in mass volume. For the detail of Auto Provision, please refer to this link Auto Provision Description.

http://www.fanvil.com/Uploads/Temp/download/20180920/5ba3816f8d5f0.pdf

11.7 System >> Tools

Tools provided in this page help users to identify issues at trouble shooting. Please refer to <u>13 Trouble Shooting</u> for more detail.



11.8 System >> Reboot Phone

This page can restart the phone.

11.9 Network >> Basic

This page allows users to configure network connection types and parameters.

rstem				
	Net Global			NOTE
Network	Network Priority:	Wi-Fi 🔻 🕜 Apply		Description:
ine	Net Type Ethernet V			You can do some simple network configuration on this page, including IP, subnet mask, gateway, DNS, etc.
ettings	IPv4 Network Status			DNS, etc.
	IP:	172.16.12.207		
honebook	Subnet mask:	255.255.255.0		
	Default gateway:	172.16.19.1		
all logs	MAC:	Oc:38:3e:46:1e:62		
	IPv4 Settings			
unction Key	Static IP 🔍	DHCP .		
	Enable Vendor Identifier:	Disabled V	0	
ecurity	Vendor Identifier:	Fanvil i53W	0	
	DNS Server Configured by:	DHCP	0	
evice Log	Primary DNS Server:	223.5.5.5	0	
	Secondary DNS Server :	114.114.114.114	0	
curity Settings	DNS Domain:		0	
		Apply		

Picture 82- Network settings

Network priority: When wired and wireless are enabled at the same time, you can choose to use wired or wireless first.

Network type: you can view the information of wired/wireless network

11.10 Network >> Service Port

This page provides settings for Web page login protocol, protocol port settings and RTP port.



	Basic Wi-Fi Settings	Service Port VPN Advanced		
System				NOTE
> Network	Service Port Settings	HTTP V	Ø	Description:
› Line	Web Server Type. Web Logon Timeout: web auto login:	15 (10~30)Minute	0	You can set up some services' port settings.
› Settings	HTTP Port: HTTPS Port:	80	0 0	
› Phonebook	RTP Port Range Start: RTP Port Quantity :	10000 (1025~65530) 1000 (10~1000)	0 0	
› Call logs		Apply		
> Function Key				
> Security				L
› Device Log				
Security Settings				

Picture 83- Service Port Settings

Table 19 - Service port

Parameter	Description
Web Server Type	Reboot to take effect after settings. Optionally,
	the web page login is HTTP/HTTPS.
Web Logon Timeout	Default as 15 minutes, the timeout will
	automatically exit the login page, need to login
	again.
Web auto login	After the timeout does not need to enter a user
	name password, will automatically login to the
	web page.
HTTP Port	The default is 80. If you want system security,
	you can set ports other than 80.
	Such as :8080, webpage login: HTTP://ip:8080
HTTPS Port	The default is 443, the same as the HTTP port.
RTP Port Range Start	The value range is 1025 to 65535. The value of
	RTP port starts from the initial value set. For
	each call, the value of voice and video port is
	added 2.
RTP Port Quantity	Number of calls.

11.11 Network >> VPN

Users can configure VPN connections on this page. Please refer to 10.6.2.3 VPN



and get more details.

11.12 Line >> SIP

Configure the Line service configuration on this page.

Parameters	Description
Register Settings	
Line Status	Display the current line status at page loading.
	To get the up to date line status, user has to
	refresh the page manually.
Activate	Whether the service of the line is activated
Username	Enter the username of the service account.
Authentication User	Enter the authentication user of the service
	account
Display Name	Enter the display name to be sent in a call
	request.
Authentication Password	Enter the authentication password of the service
	account
Realm	Enter the SIP domain if requested by the service
	provider
Server Name	Input server name.
SIP Server 1	
Server Address	Enter the IP or FQDN address of the SIP server
Server Port	Enter the SIP server port, default is 5060
Transport Protocol	Set up the SIP transport line using TCP or UDP
	or TLS.
Registration Expiration	Set SIP expiration date.
SIP Server 2	
Server Address	Enter the IP or FQDN address of the SIP server
Server Port	Enter the SIP server port, default is 5060
Transport Protocol	Set up the SIP transport line using TCP or UDP
	or TLS.
Registration Expiration	Set SIP expiration date.
SIP Proxy Server Address	Enter the IP or FQDN address of the SIP proxy
	server.

Table 20- Line configuration on the web page



Proxy Server Port	Enter the SIP proxy server port, default is 5060.
Proxy User	Enter the SIP proxy user.
Proxy Password	Enter the SIP proxy password.
Backup Proxy Server Address	Enter the IP or FQDN address of the backup
	proxy server.
Backup Proxy Server Port	Enter the backup proxy server port, default is
	5060.
Basic Settings	
Enable Auto Answering	Enable auto-answering, the incoming calls will
	be answered automatically after the delay time
Auto Answering Delay	Set the delay for incoming call before the system
	automatically answered it
Call Forward Unconditional	Enable unconditional call forward, all incoming
	calls will be forwarded to the number specified in
	the next field
Call Forward Number for Unconditional	Set the number of unconditional call forward
Call Forward on Busy	Enable call forward on busy, when the phone is
	busy, any incoming call will be forwarded to the
	number specified in the next field.
Call Forward Number for Busy	Set the number of call forward on busy .
Call Forward on No Answer	Enable call forward on no answer, when an
	incoming call is not answered within the
	configured delay time, the call will be forwarded
	to the number specified in the next field.
Call Forward Number for No Answer	Set the number of call forward on no answer.
Call Forward Delay for No Answer	Set the delay time of not answered call before
	being forwarded.
Transfer Timeout	Set the timeout of call transfer process.
Conference Type	Set the type of call conference, Local=set up call
	conference by the device itself, maximum
	supports two remote parties, Server=set up call
	conference by dialing to a conference room on
	the server
Server Conference Number	Set the conference room number when
	conference type is set to be Server
Subscribe For Voice Message	Enable the device to subscribe a voice message
	waiting notification, if enabled, the device will
	receive notification from the server if there is



	voice message waiting on the server
Voice Message Number	Set the number for retrieving voice message
Voice Message Subscribe Period	Set the interval of voice message notification
	subscription
Enable Hotline	Enable hotline configuration, the device will dial
	to the specific number immediately at audio
	channel opened by off-hook handset or turn on
	hands-free speaker or headphone
Hotline Delay	Set the delay for hotline before the system
	automatically dialed it
Hotline Number	Set the hotline dialing number
Dial Without Registered	Set call out by proxy without registration
Enable Missed Call Log	If enabled, the phone will save missed calls into
	the call history record.
DTMF Type	Set the DTMF type to be used for the line
DTMF SIP INFO Mode	Set the SIP INFO mode to send '*' and '#' or '10'
	and '11'
Enable DND	Enable Do-not-disturb, any incoming call to this
	line will be rejected automatically
Subscribe For Voice Message	Enable the device to subscribe a voice message
	waiting notification, if enabled, the device will
	receive notification from the server if there is
	voice message waiting on the server
Use VPN	Set the line to use VPN restrict route
Use STUN	Set the line to use STUN for NAT traversal
Enable Failback	Whether to switch to the primary server when it
	is available.
Failback Interval	A Register message is used to periodically
	detect the time interval for the availability of the
	main Proxy.
Signal Failback	Multiple proxy cases, whether to allow the
	invite/register request to also execute failback.
Signal Retry Counts	The number of attempts that the SIP Request
	considers proxy unavailable under multiple
	proxy scenarios.
Codecs Settings	Set the priority and availability of the codecs by
	adding or remove them from the list.
Video Codecs	Select video code to preview video.



Advanced Settings	
Use Feature Code	When this setting is enabled, the features in this
	section will not be handled by the device itself
	but by the server instead. In order to control the
	enabling of the features, the device will send
	feature code to the server by dialing the number
	specified in each feature code field.
Enable DND	Set the feature code to dial to the server
Disable DND	Set the feature code to dial to the server
Enable Call Forward Unconditional	Set the feature code to dial to the server
Disable Call Forward Unconditional	Set the feature code to dial to the server
Enable Call Forward on Busy	Set the feature code to dial to the server
Disable Call Forward on Busy	Set the feature code to dial to the server
Enable Call Forward on No Answer	Set the feature code to dial to the server
Disable Call Forward on No Answer	Set the feature code to dial to the server
Enable Blocking Anonymous Call	Set the feature code to dial to the server
Disable Blocking Anonymous Call	Set the feature code to dial to the server
Call Waiting On Code	Set the feature code to dial to the server
Call Waiting Off Code	Set the feature code to dial to the server
Send Anonymous On Code	Set the feature code to dial to the server
Send Anonymous Off Code	Set the feature code to dial to the server
SIP Encryption	Enable SIP encryption such that SIP
	transmission will be encrypted
RTP Encryption	Enable RTP encryption such that RTP
	transmission will be encrypted
Enable Session Timer	Set the line to enable call ending by session
	timer refreshment. The call session will be
	ended if there is not new session timer event
	update received after the timeout period
Session Timeout	Set the session timer timeout period
Enable BLF List	Enable/Disable BLF List
BLF List Number	BLF List allows one BLF key to monitor the
	status of a group. Multiple BLF lists are
	supported.
Response Single Codec	If setting enabled, the device will use single
	codec in response to an incoming call request
BLF Server	The registered server will receive the
	subscription package from ordinary application



of BLF phone.Please enter the BLF server, if the not support subscription package, the server and subscription server will beKeep Alive TypeSet the line to use dummy UDP or S packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmitting Keep AuthenticationKeep AuthenticationKeep the authentication parame previous authenticationBlocking Anonymous CallReject any incoming call without caller IDUser AgentSet the user agent, the default is Software Version.Specific Server TypeSet the line to collaborate with spe typeSIP VersionSet the SIP version	e registered e separated. IP OPTION g interval eters from presenting Model with
Keep Alive TypeSet the line to use dummy UDP or S packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmittingKeep AuthenticationKeep the authentication parame previous authenticationBlocking Anonymous CallReject any incoming call without caller IDUser AgentSet the user agent, the default is Software Version.Specific Server TypeSet the line to collaborate with spe typeSIP VersionSet the SIP version	e separated. IP OPTION g interval eters from presenting Model with
Keep Alive TypeSet the line to use dummy UDP or S packet to keep NAT pinhole openedKeep Alive IntervalSet the keep alive packet transmittingKeep AuthenticationKeep the authentication parame previous authenticationBlocking Anonymous CallReject any incoming call without caller IDUser AgentSet the user agent, the default is Software Version.Specific Server TypeSet the line to collaborate with spe typeSIP VersionSet the SIP version	IP OPTION g interval eters from presenting Model with
And the second	g interval eters from presenting Model with
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Blocking Anonymous Call Reject any incoming call without caller ID User Agent Set the user agent, the default is Software Version. Specific Server Type Set the line to collaborate with spe type SIP Version Set the SIP version	presenting Model with
Blocking Anonymous Call Reject any incoming call without caller ID User Agent Set the user agent, the default is Software Version. Specific Server Type Set the line to collaborate with spe type SIP Version Set the SIP version	Model with
caller ID User Agent Set the user agent, the default is Software Version. Specific Server Type Set the line to collaborate with spe type SIP Version Set the SIP version	Model with
Software Version. Specific Server Type Set the line to collaborate with specific type SIP Version Set the SIP version	
Specific Server Type Set the line to collaborate with spectrum SIP Version Set the SIP version	cific server
type SIP Version Set the SIP version	cific server
SIP Version Set the SIP version	
Anonymous Call Standard Set the standard to be used for anonymous Call Standard	ymous
Local Port Set the local port	
Ring Type Set the ring tone type for the line	
Enable user=phone Sets user=phone in SIP messages.	
Use Tel Call Set use tel call	
Auto TCP Using TCP protocol to guarantee	usability of
transport for SIP messages above 15	500 bytes
Enable Rport Set the line to add rport in SIP heade	rs
Enable PRACK SIP m	iessage
DNS Mode Select DNS mode, A, SRV, NAPTR	
Enable Long Contact Allow more parameters in contact fie 3840	ld per RFC
Enable Strict Proxy Enables the use of strict routing.	When the
phone receives packets from the se	
use the source IP address, not the	
via field.	
Convert URI Convert not digit and alphabet ch	aracters to
%hh hex code	
Use Quote in Display Name Whether to add quote in display	name, i.e.
"Fanvil" vs Fanvil	-
Enable GRUU Support Globally Routable User-	Agent URI
(GRUU)	



Sync Clock Time	Time Sync with server
Enable Inactive Hold	With the post-call hold capture package
	enabled, you can see that in the INVITE
	package, SDP is inactive.
Caller ID Header	Set the Caller ID Header
Use 182 Response for Call waiting	Set the device to use 182 response code at call
	waiting response
Enable Feature Sync	Feature Sync with server
Enable SCA	Enable/Disable SCA (Shared Call Appearance)
CallPark Number	Set the CallPark number.
Server Expire	Set the timeout to use the server.
TLS Version	Choose TLS Version.
uaCSTA Number	Set uaCSTA Number.
Enable Click To Talk	With the use of special server, click to call out
	directly after enabling.
Enable Chgport	Whether port updates are enabled.
VQ Name	Open the VQ name for VQ RTCP-XR.
VQ Server	Open VQ server address for VQ RTCP-XR.
VQ Port	Open VQ port for VQ RTCP-XR.
VQ HTTP/HTTPS Server	Enable VQ server selection for VQ RTCP-XR.
Flash mode	Chose Flash mode, normal or SIP info.
Flash Info Content-Type	Set the SIP info content type.
Flash Info Content-Body	Set the SIP info content body.
PickUp Number	Set the scramble number when the Pickup is enabled.
JoinCall Number	Set JoinCall Number.
Intercom Number	Set Intercom Number.
Unregister On Boot	Whether to enable logout function.
Enable MAC Header	Whether to open the registration of SIP package
	with user agent with MAC or not.
Enable Register MAC Header	Whether to open the registration is user agent
	with MAC or not.
BLF Dialog Strict Match	Whether to enable accurate matching of BLF
	sessions.
PTime(ms)	Set whether to bring ptime field, default no.
SIP Global Settings	
Strict Branch	Set up to strictly match the Branch field.

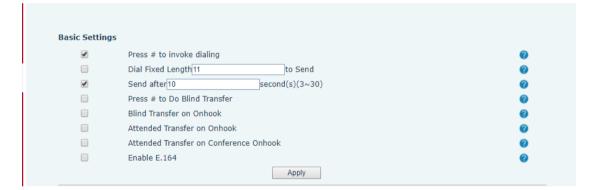


Enable Group	Set open group.
Enable RFC4475	Set to enable RFC4475.
Enable Strict UA Match	Enable strict UA matching.
Registration Failure Retry Time	Set the registration failure retry time.
Local SIP Port	Modify the phone SIP port.
Enable uaCSTA	Set to enable the uaCSTA function.

11.13 Line >> SIP Hotspot

Please refer to 9.4 SIP Hotspot.

11.14 Line >> Dial Plan



Picture 84- Dial plan settings

Table 21- Phone 7 dialing methods

Parameters	Description
Press # to invoke dialing	The user dials the other party's number and then
	adds the # number to dial out;
Dial Fixed Length	The number entered by the user is automatically
	dialed out when it reaches a fixed length
Timeout dial	The system dials automatically after timeout
Press # to Do Blind Transfer	The user enters the number to be transferred
	and then presses the "#" key to transfer the
	current call to a third party
Blind Transfer on Onhook	After the user enters the number, hang up the
	handle or turn off the hands-free function to
	transfer the current call to a third party.



Attended Transfer on Onhook	Hang up the handle or press the hands-free
	button to realize the function of attention
	-transfer, which can transfer the current call to a
	third party.
Attended Transfer on Conference Onhook	During a three-way call, hang up the handle and
	the remaining two parties remain on the call.
Enable E.164	Please refer to e. 164 standard specification

Add dialing rules:

Digit Map:		0							
Apply to Ca	all: Outgoing (Call 🔻 🕜	Match to Send:	No 🔻	0		Media:	Default 🔻 🤇	
Line:	SIP DIALP	eer 🔻 🕜	Destinati	ion:		0	Port:	0	
Alias(Optio	nal): No Alias 🔻	0	Phone Number:	:		0	Length:	0	
Suffix:		0							
ial Plan Optio	n Ø			Add					
			De	elete	Modify				
ser-defined D)ial Plan Table	0							
Index	Digit Map	Call Match t	o Send	Line	Alias Type:N	umbor/lor	ath)	Suffix	Modi

Picture 85- Custom setting of dial - up rules

Table 22	- Dial -	up rule	configuration	table
----------	----------	---------	---------------	-------

Parameters	Description
Dial rule	There are two types of matching: Full Matching
	or Prefix Matching. In Full matching, the entire
	phone number is entered and then mapped per
	the Dial Peer rules.
	In prefix matching, only part of the number is
	entered followed by T. The mapping with then
	take place whenever these digits are dialed.
	Prefix mode supports a maximum of 30 digits.
Note: Two different energial observators are used	

Note: Two different special characters are used.

- x -- Matches any single digit that is dialed.
- [] -- Specifies a range of numbers to be matched. It may be a range, a list of ranges separated



by commas, or a list of digits.

Destination	Set Destination address. This is for IP direct.
Port	Set the Signal port, and the default is 5060 for
	SIP.
Alias	Set the Alias. This is the text to be added,
	replaced or deleted. It is an optional item.

Note: There are four types of aliases.

- all: xxx xxx will replace the phone number.
- add: xxx xxx will be dialed before any phone number.
- del –The characters will be deleted from the phone number.
- rep: xxx xxx will be substituted for the specified characters.

Suffix	Characters to be added at the end of the phone
	number. It is an optional item.
Length	Set the number of characters to be deleted. For
	example, if this is set to 3, the phone will delete
	the first 3 digits of the phone number. It is an
	optional item.

This feature allows the user to create rules to make dialing easier. There are several different options for dialing rules. The examples below will show how this can be used.

Example 1: All Substitution -- Assume that it is desired to place a direct IP call to IP address 172.168.2.208. Using this feature, 123 can be substituted for 172.168.2.208.

User	-define	d Dial Pla	ı Tab	le 🕜				
	Index	Digit Map	Call	Match to Send	Line	Alias Type:Number(length)	Suffix	Media
	1	"123"	Out	No	SIP DIALPEER(172.16.1.15:5560)			Default

Picture 86- Dial rules table (1)

Example 2: Partial Substitution -- To dial a long distance call to Beijing requires dialing area code 010 before the local phone number. Using this feature 1 can be substituted for 010. For example, to call 62213123 would only require dialing 162213123 instead of 01062213123.



User	-defined	Dial Plan Ta	ble 🕜				
	Index	Digit Map	Call	Match to Send	Line	Alias Type:Number(length)	Suffix Media
	1	"1T"	Out	No	Fanvil@SIP1	rep:010(1)	Default

Picture 87- Dial rules table (2)

Example 3: Addition -- Two examples are shown. In the first case, it is assumed that 0 must be dialed before any 11 digit number beginning with 13. In the second case, it is assumed that 0 must be dialed before any 11 digit number beginning with 135, 136, 137, 138, or 139. Two different special characters are used.

x -- Matches any single digit that is dialed.

[] -- Specifies a range of numbers to be matched. It may be a range, a list of ranges separated by commas, or a list of digits.

11.15 Line >> Action Plan

When calling to a phone, the bounded IP camera synchronously transmits video to the opposite phone (video support).

Parameter	Description
Number	Auxiliary phone number (support video)
Туре	Support video display on call.
Direction	For call mode, incoming/outgoing call displays
	video
Line	Set up outgoing lines.
Username	Bind the user name of the IP camera.
Password	Bind IP camera password.
URL	Video streaming information.
User Agent	Set user agent information

Table 23- action plan

11.16 Line >> Basic Settings

Set up the register global configuration.

Table 24- Set the line global configuration on the web page



Parameters	Description
STUN Settings	
Server Address	Set the STUN server address
Server Port	Set the STUN server port, default is 3478
Binding Period	Set the STUN binding period which can be used
	to keep the NAT pinhole opened.
SIP Waiting Time	Set the timeout of STUN binding before sending
	SIP messages
Certification File	
TLS Certification File	Upload or delete the TLS certification file used
	for encrypted SIP transmission.

11.17 Settings >> Features

Configuration phone features.

Parameters	Description
Basic Settings	
Enable Call Waiting	Enable this setting to allow user to take second
	incoming call during an established call. Default
	enabled.
Enable Call Transfer	Enable Call Transfer.
Semi-Attended Transfer	Enable Semi-Attended Transfer by selecting it
Enable 3-Way Conference	Enable 3-way conference by selecting it
Enable Auto Onhook	The phone will hang up and return to the idle
	automatically at hands-free mode
Auto Onhook Time	Specify Auto Onhook time, the phone will hang
	up and return to the idle automatically after Auto
	Hand down time at hands-free mode, and play
	dial tone Auto Onhook time at handset mode
Ring for Headset	Enable Ring for Handset by selecting it, the
	phone plays ring tone from handset.
Auto Headset	Enable this feature, headset plugged in the
	phone, user press 'answer' key or line key to
	answer a call with the headset automatically.



Enable Silent Mode	When enabled, the phone is muted, there is no
	ringing when calls, you can use the volume keys
	and mute key to unmute.
Disable Mute for Ring	When it is enabled, you can't mute the phone
Enable Default Line	If enabled, user can assign default SIP line for
	dialing out rather than SIP1.
Enable Auto Switch Line	Enable phone to select an available SIP line as
	default automatically
Default Ext Line	Select the default line to use for outgoing calls
Ban Outgoing	If you select Ban Outgoing to enable it, and you
	cannot dial out any number.
Hide DTMF	Configure the hide DTMF mode.
Enable CallLog	Select whether to save the call log.
Enable Restricted Incoming List	Whether to enable restricted call list.
Enable Allowed Incoming List	Whether to enable the allowed call list.
Enable Restricted Outgoing List	Whether to enable the restricted allocation list.
Enable Country Code	Whether the country code is enabled.
Country Code	Fill in the country code.
Area Code	Fill in the area code.
Enable Number Privacy	Whether to enable number privacy.
Matak Direction	Matching direction, there are two kinds of rules
Match Direction	from right to left and from left to right.
Start Position	Open number privacy after the start of the
Start Position	hidden location.
	Turn on number privacy to hide the number of
Hide Digits	digits.
Allow IP Call	If enabled, user can dial out with IP address
P2P IP Prefix	Prefix a point-to-point IP call.
Caller Name Priority	Change caller ID display priority.
Emergency Call Number	
Search path	Select the search path.
LDAP Search	Select from with one LDAP for search
	Configure the Emergency Call Number. Despite
Emergency Call Number	the keyboard is locked, you can dial the
	emergency call number
Restrict Active URI Source IP	Set the device to accept Active URI command
	from specific IP address. More details please
	refer to this link



Configure the Push XML Server, when phone
receives request, it will determine whether to
display corresponding content on the phone
which sent by the specified server or not.
Disable this feature, user enter number will open
audio channel automatically.
Enable the feature, user enter the number
without opening audio channel.
If enabled, up to 10 simultaneous calls can exist
on the phone, and if disabled, up to 2
simultaneous calls can exist on the phone.
Custom line format: SIPn/SIPn: xxx/xxx@SIPn
NONE/BOTH/DND White List/FWD White List
Disable XML push on call.
When enabled, the phone displays the
information when it receives the relevant notify
content.
When turned on, a tone plays when the call is
held
When turned on, a tone plays when call waiting
Play DTMF tone on the device when user
pressed a phone digits at dialing, default
enabled.
enabled.Play DTMF tone on the device when user
Play DTMF tone on the device when user
Play DTMF tone on the device when user pressed a phone digits during taking, default
Play DTMF tone on the device when user pressed a phone digits during taking, default
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled.
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone or close.
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone or close. Enable DND Timer, If enabled, the DND is
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone or close. Enable DND Timer, If enabled, the DND is automatically turned on from the start time to the
Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone or close. Enable DND Timer, If enabled, the DND is automatically turned on from the start time to the off time.
 Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Select to take effect on the line or on the phone or close. Enable DND Timer, If enabled, the DND is automatically turned on from the start time to the off time. Set DND Start Time



	the incoming call request with a SID basedor of
	the incoming call request with a SIP header of
	Alert-Info instruction to automatically answer the
	call after specific delay.
Enable Intercom Mute	Enable mute mode during the intercom call
Enable Intercom Tone	If the incoming call is intercom call, the phone
	plays the intercom tone
Enable Intercom Barge	Enable Intercom Barge by selecting it, the phone
	auto answers the intercom call during a call. If
	the current call is intercom call, the phone will
	reject the second intercom call
Response Code Settings	
DND Response Code	Set the SIP response code on call rejection on
	DND
Busy Response Code	Set the SIP response code on line busy
Reject Response Code	Set the SIP response code on call rejection
Password Dial Settings	
Enable Password Dial	Enable Password Dial by selecting it, When
	number entered is beginning with the password
	prefix, the following N numbers after the
	password prefix will be hidden as *, N stands for
	the value which you enter in the Password
	Length field. For example: you set the password
	prefix is 3, enter the Password Length is 2, then
	you enter the number 34567, it will display 3**67
	on the phone.
Encryption Number Length	Configure the Encryption Number length
Password Dial Prefix	Configure the prefix of the password call
	number
Power LED	Indifiber
	Standby newer lamp state, off when off, onen is
Common	Standby power lamp state, off when off, open is
	always bright red. Off by default.
SMS/MWI	The status of power lamp when there is unread
	short message/voice message, including
	off/on/slow flash/quick flash, default slow flash.
Missed	The state of the power lamp when there is a
	missed call, including off/on/slow flash/quick
	flash, the default slow flash.
Talk/Dial	In the talk/dial state, the power lamp state, off is



	off, on is always red bright, the default is off.
	Power lamp status when there is an incoming
Ringing	call, including off/on/slow flash/quick flash,
	default flash.
Muta	Power lamp status in mute mode, including
Mute	off/on/slow flash/quick flash, off by default.
	The power lamp state, including off/on/slow
Hold/Held	flash/quick flash, is turned off by default when
	left/retained.
Notification Popups	
Diaplay Missad Call Danun	No incoming call popup prompt after opening, no
Display Missed Call Popup	popup prompt when closing, open by default.
	Voice message popup prompt is not answered
Display MWI Popup	after opening, and it is opened by default if there
	is no popup prompt when closing.
	There is a popup prompt when the WIFI adapter
Display Device Connect Popup	is connected. There is no popup prompt when
	the WIFI adapter is closed. It is on by default.
	There is popup prompt for unread messages
Display SMS Popup	after opening, and there is no popup prompt
	when closing. It is opened by default.
	When the handle is not hung back after opening,
	registration fails, IP acquisition fails, Tr069
Display Other Popup	connection fails and other abnormalities, there
	will be popup prompt when it is opened;
	otherwise, there will be no prompt when it is
	closed, and it will be opened by default.

Figure 1

11.18 Settings >> Media Settings

Change voice Settings.

Table 26 - Voice settings

Parameter	Description
Codecs Settings	Select enable or disable voice encoding:
	G.711A/U,G.722,G.729,



	G.726-16,G726-24,G726-32,G.726-40,
	ILBC,opus
Video codec	
Video codec	Select to enable video encoding:H264
Media Setting	
DTMF Payload Type	Enter the DTMF payload type, the value must be 96~127.
Headset Mic Gain	Set the earphone's radio volume gain to fit different models of earphones.
Opus playload type	Set Opus load type, range 96~127.
OPUS Sample Rate	Set Opus sampling rate, including opus-nb (8KHz) and opus-wb (16KHz).
ILBC Payload Type	Set the ILBC Payload Type, the value must be 96~127.
ILBC Payload Length	Set the ILBC Payload Length
Onhook Time	Configure a minimum response time, which defaults to 200ms
Enable the patting spring to generate Flash	Whether to turn on the plug spring to generate Flash
Video bit rate	Set the bit rate of video:64kbps, 192kbps, 256kbps, 384kbps, 512kbps, 768kbps, 1Mbps, 1.6Mbps, 2Mbps, 3Mbps, 4Mbps
Video frame rate	Set the video frame rate: 5fps, 10fps, 15fps, 20fps, 25fps, 30fps
Video resolution	Set Video resolution: CIF,VGA,4CIF,720P
H.264Payload Type	Set the H264 Payload Type, the value must be 96~127.
Display splicing frame	Whether to start displaying splicing frames
RTP Control Protocol(RTCP) Settings	
CNAME user	Set CNAME user
CNAME host	Set CNAME host
RTP Settings	
RTP keep alive	Hold the call and send the packet after 30s
Alert Info Ring Settings	
Value	Set the value to specify the ring type.
Ring Type	Туре1-Туре9



11.19 Settings >> MCAST

This feature allows user to make some kind of broadcast call to people who are in multicast group. User can configure a multicast DSS Key on the phone, which allows user to send a Real Time Transport Protocol (RTP) stream to the pre-configured multicast address without involving SIP signaling. You can also configure the phone to receive an RTP stream from pre-configured multicast listening address without involving SIP signaling. You can specify up to 10 multicast listening addresses.

Table 27 - Multicast parameters

Parameters	Description	
Normal Call Priority	Define the priority of the active call, 1 is the	
	highest priority, 10 is the lowest.	
Enable Page Priority	The voice call in progress shall take precedence	
	over all incoming paging calls.	
Name	Listened multicast server name	
Host: port	Listened multicast server's multicast IP address	
	and port.	

11.20 Settings >> Action

Action URL

Note! Action urls are used for IPPBX systems to submit phone events. Please refer to Fanvil Action URL for details.

11.21 Settings >> Time/Date

The user can configure the time Settings of the phone on this page.

ParametersDescriptionNetwork Time Server SettingsTime Synchronized via SNTPEnable time-sync through SNTP protocolTime Synchronized via DHCPPrimary Time ServerSet primary time server address

Table 28 – Time & Date settings



Secondary Time Server	Set secondary time server address, when
	primary server is not reachable, the device will
	try to connect to secondary time server to get
	time synchronization.
Time Zone	Select the time zone
Resync Period	Time of re-synchronization with time server
12-Hour Clock	Set the time display in 12-hour mode
Date Format	Select the time/date display format
Daylight Saving Time Settings	
Local	Choose your local, phone will set daylight saving
	time automatically based on the local
DST Set Type	Choose DST Set Type, if Manual, you need to
	set the start time and end time.
Fixed Type	Daylight saving time rules are based on specific
	dates or relative rule dates for conversion.
	Display in read-only mode in automatic mode.
Offset	The offset minutes when DST started
Month Start	The DST start month
Week Start	The DST start week
Weekday Start	The DST start weekday
Hour Start	The DST start hour
Minute Start	The DST start minute
Month End	The DST end month
Week End	The DST end week
Weekday End	The DST end weekday
Hour End	The DST end hour
Minute End	The DST end minute
Manual Time Settings	You can set your time manually

11.22 Setting >> Time plan

Users can configure the time plan to restart and upgrade phone

Table 29 -	time plan
------------	-----------

parameter	description
Туре	Timed restart, timed upgrade, timed forward



Repetition period	Do not repeat: execute once within the set time range
	Daily: Perform this operation in the same time every day
	Weekly: Perform this operation in the same time of the week
	Monthly: Perform this operation in the same time of the Month
Effective time	Set the operation time
Forward Number	Set the SIP number for forwarding in the time range
Line	Set the line for forwarding in the time range

	Features Media Settings	MCAST Action	Time/Date	Time Plan Tone	Advanced
› System					
> Network	Time Plan Add :				
	Type:	Timed forward 🔹			
> Line	Forward Number: Line:				
	Line:	0305@SIP1 *			
> Settings	Repetition period:	No repetition			
> Phonebook					
> Call logs	Monthly:	5			
› Function Key		7			
> Security		9 10 1			
> Device Log	Effective time:	0 : 0 - 0 : 0 Add			
> Security Settings	Time Plan List				
	Index Type	Number Line	Repetition period	Effective time	
				Delete	

Picture 88- time plan

11.23 Settings >> Tone

This page allows users to configure a phone prompt.

You can either select the country area or customize the area. If the area is selected, it will bring out the following information directly. If you choose to customize the area, you can modify the button tone, call back tone and other information.



> Settings Congestion Tone: Ione:200-4000HZ, Call waiting Tone: 440300,0/10000,440/300,0/10000,00 0 tone:200-4000HZ, tone:200-4000HZ, Call waiting Tone: Ione:200-4000HZ, Call waiting Tone: 0 tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, Call logs 0 tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-4000HZ, tone:200-400HZ, t		Features Media Settings	MCAST Action Time/Date Time Plan	Tone Advanced
> Network Select Your Tone:: United States Tone: Dial Tone: Sp-4400 Tone: Tone: Dial Tone: Sp-4400 Tone: Tone: Ring Back Tone: 440-4302000,04000 Tone: Tone: Busy Tone: 440-4302000,04000 Tone: Tone: > Settings Congestion Tone: Tone: Tone: Tone: > Phonebook Holding Tone: 440-430200,01000,04000,000 Tone: Tone: Tone: > Phonebook Holding Tone: 440-43020,001000,01000,000 Tone: Tone: Tone: Tone: > Call logs Sutter Tone: Sutter Tone: Tone: <td< th=""><th>stem</th><th></th><th></th><th>NOTE</th></td<>	stem			NOTE
Select Your Tone: Unide States • Ø caterce(, caterce), caterce(, caterce), Wrater caterce, caterce), Wrater caterce, Staterce, Caterce), Wrater caterce, Staterce, Caterce), Wrater caterce, Caterce), Wrater caterce, Caterce), Wrater caterce, Cat		Tone Settings		
Jine Dial Tone: 280-4400 Cadence]-Where Ring Back Tone: 440-480/2000,0/4000 Cadence]-Where Settings Congestion Tone: Congestion Tone: Phonebook Holding Tone: 4400-0000,0/10000,0/0 Holding Tone: 100-200500,0/000 Call logs Sutter Tone: Congestion Tone: Information Tone: 100-20050,0/1000,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,300-440/100,0/100,350-440/100,0/100,0/100,0/100,0/100,0/100,0/100,0/100,0/100,0/100,0/100,0/	twork	Select Your Tone:	United States	
King Back Tone: (40-4802000.04000 0 [+frea3] P Settings Busy Tone: (40-4802000.04000 0 1+frea3] P Settings Congestion Tone: 0 0 1+frea3] P Monebook Holding Tone: 0 0 0 1+frea3] Call waiting Tone: 1 1 0 0 0 1 Call logs Stutter Tone: 0 0 0 1		Dial Tone:	350+440/0	[,cadence]Where
Settings Euroy tone: 480*62050,0500 Implementation Phonebook Call waiting Tone: Implementation Implementation Call waiting Tone: Implementation Implementation Implementation Call logs Sutter Tone: Implementation Implementation Function Key Dial Recall Tone: Implementation Implementation Security Howler Tone: Implementation Implementation Sutter Tone: Implementation Implementation Implementation Function Key Dial Recall Tone: Implementation Implementation Security Howler Tone: Implementation Implementation Variantig Tone: Implementation Implementation Implementation Security Howler Tone: Implementation Implementation Device Log Warning Tone: 1400500,000 Implementation Implementation Security Settings Auto Answer Tone: Apply Apply	e	Ring Back Tone:	440+480/2000,0/4000	() [+Freq3]
Settings Congestion Tone: Inter:200-400HZ; threams to be played to		Busy Tone:	480+620/500,0/500	() [+Freq4]/Duration.Freq The frequency of the
Phonebook Call waiting Tone: 440/300,0/10000,440/300,0/10000,00 Ione work be played to the some store be played to the is comprised of most four different to the is comprised of most four different to the played to the is comprised of most four different to the played to the is comprised of most four different to the played to the is comprised of most four different to the played to the is comprised of most four different to the played to the is comprised of most four different to the played to the is comprised of most four different to the played to the to the played to the played to the to the played to the t	ettings	Congestion Tone:		tone:200~4000HZ. If it
Photebook Holding Tone: Image: Call logs Function Key Error Tone: Image: Call logs Stutter Tone: Image: Call logs Stutter Tone: Image: Call logs Stutter Tone: Image: Call logs Image: Call logs Stutter Tone: Image: Call logs Image: Call logs Image: Call logs Image: Call logs Stutter Tone: Image: Call logs		Call waiting Tone:	440/300,0/10000,440/300,0/10000,0/0	tone won't be played.A
Call logs Stutter Tone: The juxtaposition of frequencies Freq1 as modulated in the juxtaposition of frequencies Freq1 as modulated in the juxtaposition of frequencies Freq1 as modulated in the juxtaposition of the interview freq1 is modulated interview freq1 is m	onebook	Holding Tone:		most four different
Call logs Stutter Tone: Information Tone:		Error Tone:		Interpretation of two sectors of
Function Key Information Tone: Importantion Tone: </td <td>ll logs</td> <td>Stutter Tone:</td> <td></td> <td>frequencies Freq1 and</td>	ll logs	Stutter Tone:		frequencies Freq1 and
Function Key Dial Recall Tone: 356-440/100.0/100.356-440/100.0/100.356-440/100.0/100.356-440/0 Fred2. Duration The: Security Message Tone: 0 fred2. Duration The: 0 Number Unobtainable Tone: 400500.05000 0 inter: 0 - 20000ms.ft Device Log Warning Tone: 1400500.0500 0 inter: 0 - 20000ms.ft Record Tone: 440500.05000 0 inter: 0 - 0000ms.ft Security Settings Auto Answer Tone: 0 inter: 0 - 0000ms.ft		Information Tone:		modulation.Freq1*Freq2
Security Message Tone: Image: Contemportance Image: Contemportanc	nction Key	Dial Recall Tone:	350+440/100,0/100,350+440/100,0/100,350+440/100,0/100,350+440/0	Freq1 is modulated by Freq2.Duration The time
Security Howler Tone: Image: Construction of the point of the poin		Message Tone:		duration of the
Number Unobtainable Tone: 400/500,0/6000 Image: Constraint of the will keep on particular to the particular to the will keep on particular to the particular to the will keep on particular to the parting to the particular to the particular to the particular t	curity	Howler Tone:		set to Oms, it means the
Device Log Warning Tone: 1400/500.00 Is set to 0/0, time to stopped. Record Tone: 440/500.05000 Is set to 10/0, time to stopped. Security Settings Auto Answer Tone:		Number Unobtainable Tone:	400/500.0/6000	a tone will keep on playing until stopped by system
Record Tone: 440/500,0/5000 Ø composition of Tone can configure at mo eight different cader for one tone, and Security Settings Auto Answer Tone: Ø eight different cader for one tone, and		Warning Tone:	1400/500,0/0	it is set to 0/0,it means
Security Settings Auto Answer Tone: eight different cader for one tone, and separate tones by	vice Log	Record Tone:	440/500,0/5000	composition of Tone: Yo
Apply separate tones by		Auto Answer Tone:		eight different cadences
	curity Settings		Apply	for one tone, and separate tones by
				L

Picture 89- Webpage Tone

11.24 Settings >> Advanced

User can configure the advanced configuration settings in this page.

- Screen Configuration.
 - Enable Energy Saving
 - Backlight Time
 - Screen Saver
- LCD Menu Password Settings.
- Configure Greeting Words

The greeting message will display on the top left corner of the LCD when the device is idle, which is limited to 16 characters. The default chars are 'Indoor Station'.

11.25 Phonebook >> Contact

User can add, delete, or edit contacts in the phonebook in this page. User can browse the phonebook and sorting it by name, phones, or filter them out by group.

To add a new contact, user should enter contact's information and press "Add" button to add it.

To edit a contact, click on the checkbox in front of the contact, the contact information will



be copied to the contact edit boxes, press "Modify" button after finished editing.

To delete one or multiple contacts, check on the checkbox in front of the contacts wished to be deleted and click the "Delete" button, or click the "Clear" button with selecting any contacts to clear the phonebook.

User can also add multiple contacts into a group by selecting the group in the dropdown options in front of "Add to Group" button at the bottom of the contact list, selecting contacts with checkbox and click "Add to Group" to add selected contacts into the group.

Similarly, user can select multiple users and add them into blacklist by click "Add to Blacklist" button.

11.26 Phonebook >> Cloud phonebook

Cloud Phonebook

User can configure up to 8 cloud phonebooks. Each cloud phonebook must be configured with an URL where an XML phonebook is stored. The URL may be based on HTTP/HTTPs or FTP protocol with or without authentication. If authentication is required, user must configure the username and password.

To configure a cloud phonebook, the following information should be entered,

- Phonebook name (must)
- Phonebook URL (must)
- Access username (optional)
- Access password (optional)

LDAP Settings

The cloud phonebook allows user to retrieve contact list from a LDAP Server through LDAP protocols.

User must configure the LDAP Server information and Search Base to be able to use it on the device. If the LDAP server requests an authentication, user should also provide username and password.

To configure a LDAP phonebook, the following information should be entered,

Display Title (must)

LDAP Server Address (must)

- LDAP Server Port (must)
 Search Base (must)
- Access username (optional)



Access password (optional)

Note! Refer to the LDAP technical documentation before creating the LDAP phonebook and phonebook server.

Web page preview

Phone page supports preview of Internet phone directory and contacts

- After setting up the XML Voip directory or LDAP,
- Select [Phone book] >> [Cloud phone book] >> [Cloud phone book] to select the type.
- Click the set XML/LDAP to download the contact for browsing.

	Contacts Cloud phonebook	Call List Web Dial	Advanced	
				NOTE
	Cloud phonebook	ML4 BACK		Description: Cloud phone boo
				settings
	Add to phonebook Add to Blacklist Add t	y Whitelist	Previous Page: v	Next
	Index Name			
			10 V Entries	per page
k	Manage Cloud Phonebooks 😗			
	Index Cloud phonebook name Cloud ph	onchook URI Calling Search	Authentication Name Authentication	Deceword
		Line Line	Authentication Name Authentication	reassword
	2	AUTO Y AUTO Y		
Cey	3	AUTO V AUTO V		
	4	AUTO Y AUTO Y		
		Apply		
	LDAP Settings			
	LDAP LDA	P1 ▼		
ettings	Display Title:	Version:	Version3 🔻 🔮	
	Server Address:	Server Por		0
	LDAP TLS Mode:	•		-
	Authentication: Sim			
	Username:	Password:		0
	Search Base:	Max Hits:	50	0
	Telephone: telep	honeNumber 🕜 Mobile:	mobile	0
	Other: othe	r 🛛 🕜 Name Attr	: cn sn ou	
	Sort Attr: cn	Display na	me: cn	Ø
	Name Filter: (((cn	=%)(sn=%)) Number Fi	Iter: (](telephoneNumbe	er=%)(mo
	Enable In Call Search:		t Call Search:	

Picture 90- Web cloud phone book Settings

11.27 Phonebook >> Call List

Restricted Incoming Calls:

It is similar like a blacklist. Add the number to the blacklist, and the user will no longer receive calls from the stored number until the user removes it from the list.

Users can add specific Numbers to the blacklist or add specific prefixes to the blacklist to block calls with all Numbers with this prefix.

Allowed Incoming Calls:

When DND is enabled, the incoming call number can still be called.

Restricted Outgoing Calls:

Adds a number that restricts outgoing calls and cannot be called until the number is



removed from the table.

11.28 Phonebook >> Web Dial

Use web pages for call, reply, and hang up operations.

11.29 Phonebook >> Advanced

Users can export the local phone book in XML, CSV, and VCF format and save it on the local computer.

Users can also import contacts into the phone book in XML, CSV, and VCF formats.

Attention! If the user imports the same phone book repeatedly, the same contact will be ignored. If the name is the same but the number is different, the contact is created again.

Users can delete groups or add new groups on this page. Deleting a contact group will not delete contacts in that group.

11.30 Call Logs

The user can browse the complete call record in this page. The call record can be sorted by time, call number, contact name or line, and the call record can be screened by call record type (incoming call, outgoing call, missed call, forward call).

The user can also save the number in the call record to his/her phone book or add it to the blacklist/whitelist.

Users can also dial the web page by clicking on the number in the call log. Users can also download call records conditionally and save them locally.

11.31 Function Key >> Function Key

- Function Key Configuration:
- 108



One-key transfer Settings: establish new call, blind transfer, attention-transfer, one-key three-party, Play DTMF.

DSS Key home page: None/Page1/Page2/Page3/Page4

The device provides 112 user-defined shortcuts that users can configure on a web page.

Parameters	Description
Memory Key	BLF (NEW CALL/BXFE /AXFER): It is used to prompt user the
	state of the subscribe extension, and it can also pick up the
	subscribed number, which help user monitor the state of subscribe
	extension (idle, ringing, a call). There are 3 types for one-touch
	BLF transfer method.
	p.s. User should enter the pick-up number for specific BLF key to
	fulfill the pick-up operation.
	Presence: Compared to BLF, the Presence is also able to view
	whether the user is online.
	Note: You cannot subscribe the same number for BLF and
	Presence at the same time
	Speed Dial: You can call the number directly which you set. This
	feature is convenient for you to dial the number which you
	frequently dialed.
	Intercom: This feature allows the operator or the secretary to
	connect the phone quickly; it is widely used in office environments.
Line	It can be configured as a Line Key. User is able to make a call by
	pressing Line Key.
Key Event	User can select a key event as a shortcut to trigger.
	For example: MWI / DND / Release / Headset / Hold / etc.
DTMF	It allows user to dial or edit dial number easily.
URL	Open the specific URL directly.
Multicast	Configure the multicast address and audio codec. User presses
	the key to initiate the multicast.
Action URL	The user can use a specific URL to make basic calls to the phone.
XML browser	Users can set the DSS Key for specific URL download and other
	operations.

Table 30- function key

11.32 Function Key>> Side Key

The device has 8 Side Keys, and users can configure each side key on the web



page.

For Side Key ,please refer to 11.31 function key.

11.33 Function Key >> Softkey

The User Settings mode and display style, display page.

Table 31- Softkey configuration

Parameter	Description
Softkey Mode	•
Softkey mode	Disabled and More, Default is Disabled
Softkey Style	
Softkey display style	Softkey Exit on Left or Right
Screen	
	Redial/2aB/Delete/Exit/Call Back/Dial/Join/MWI/Local
Call Dialer	Contacts/Pickup/CallLog/Missed/Clear/In/Dialed/Pause/Next
	line/Prev line/Headset/Audio/Video/Remote XML/DSS Key
Conference	Hold/Split/End/Release/Mute/DSS Key/Headset
	CallLog/Menu/Local Contacts/DND/Prev Account/Next
Deaktan	Account/Blacklist/Call Back/CallForward/Locked/Memo/
Desktop	Missed/MWI/Dialed/Reboot/Redial/Remote XML/SMS/
	Headset/Status/DSS Key/In
	Redial/2aB/Delete/Exit/Forward/Local Contacts/CallLog
Divert Dialed	/Clear/Missed/Dialed/Headset/Video/Audio/Remote XML
	/DSS Key
Ending	Redial/End/Headset/Release/DSS Key
	Dial/2aB/Delete/Exit/Call Back/Local Contacts/Redial
Predictive Dialer	/Pickup/MWI/Join/CallLog/Release/Missed/Pause/Dialed/
	Headset/Video/Audio/Remote XML/DSS Key/In/Next line
	/Prev line
Ringing	Answer/Forward/Reject/Mute/Release/Headset/Video/Audio/
Kinging	DSS key
	Hold/Transfer/Conference/End/Mute/Release/New Call/
Talking	Local Contacts/Listen/CallLog/Next call/Prev call/
	Private/Headset/Video/Audio/DSS Key
Transfer Alerting	End/Transfer/Headset/Release/DSS Key



	Redial/Delete/Exit/2aB/Dial/Local Contacts/Transfer/		
Transfer Dialer	CallLog/Clear/Missed/Dialed/Pause/Headset/Video/Audio/R		
	emote XML/DSS Key		
Trying	End/Release/Headset/DSS Key		
	Hold/Transfer/Conference/End/Answer/Forward/Mute/Next		
Waiting	call/New call/Prev call/Reject/Release/Headset/Listen/		
	Video/Audio/DSS Key		

11.34 Function Key >> Advanced

IP Camera List

Support to discover the IP Camera in local area network. After scanning, you can bind the camera to the function key and press it to view video

	Function Key Side Key	Softkey Advanced	
> System			
> Network	IP Camera List	Username Password Preview	Dsskey
> Line		Refresh Apply	
> Settings			
> Phonebook			
› Call logs			
> Function Key			
> Security			
> Device Log			
Security Settings			

Picture 91- IP Camera List

11.35 Security >> Web Filter

The user can set up a configuration management phone that allows only machines with a certain network segment IP access.



	Web Filter Trust Certificates Device Certificates Firewall	
› System		NOTE
› Network	Web Filter Table Start IP Address End IP Address Option	Description: Set the web access filter
› Line	Web Filter Table Settings	Set the web access filter list, only the IP in the list allows access to the phone.
> Settings	Start IP Address O Add	
> Phonebook	Web Filter Setting 🕜	
Call logs	Enable Web Filter	
Function Key		
Security		
Device Log		
 Security Settings 		

Picture 92- Web Filter settings

Web Filter Table 🕜		
Start IP Address	End IP Address	Option
172.16.12.14	172.16.12.24	Modify Delete

Picture 93- Web Filter Table

Add and remove IP segments that are accessible; Configure the starting IP address within the start IP, end the IP address within the end IP, and click [Add] to submit to take effect. A large network segment can be set, or it can be divided into several network segments to add. When deleting, select the initial IP of the network segment to be deleted from the drop-down menu, and then click [Delete] to take effect.

Enable web page filtering: configure enable/disable web page access filtering; Click the "apply" button to take effect.

Note: if the device you are accessing is in the same network segment as the phone, please do not configure the filter segment of the web page to be outside your own network segment, otherwise you will not be able to log in the web page.

11.36 Security >> Trust Certificates

Set whether to open license certificate and general name validation, select certificate module.

You can upload and delete uploaded certificates. 112



	Web Filter Trust Certificates	Device Certificates Firewa		
> System				
> Network	Permission Certificate			
Line	Permission Certificate Common Name Validation	Disabled		
> Settings	Certificate mode	All Certificates		
> Phonebook	Import Certificates 🕜	Apply		
› Call logs	Load Server File	Sele	ct Upload	
Function Key	Certificates List 🕜			
Security	Index File Name	Issued To	Issued By Expiration	File S Delete
› Device Log				
> Security Settings				

Picture 94- Certificate of settings

11.37 Security >> Device Certificates

Select the device certificate as the default and custom certificate. You can upload and delete uploaded certificates.

	Web Filter Trust Certi	icates Device Certificates	Firewall			
> System						NOTE
> Network	Device Certificates 💡					Description:
> Line	Device Certificates	Default Certificates Apply	(existence)			Device certificates settings,Can only setting device certificates, vpn certificates in Network- VPN setting;https in
> Settings	Import Certificates 🕜					Network-Advanced setting;sips certificates in Line-Basic Settings
> Phonebook	Load Server File		Select Upload			setting; Trust certificates in Security-Trust Certificates setting; Device certificates in Security-
> Call logs	Certification File 🕜					Device Certificate.
	File Name	Issued To	Issued By	Expiration	File Size	
› Function Key					Delete	
> Security						
> Device Log						
> Security Settings						

Picture 95 - Device certificate setting

11.38 Device Log >> Device Log

You can grab the device log, and when you encounter an abnormal problem, you can send the log to the technician to locate the problem. See 11.6 <u>Get log information.</u>



11.39 Security Settings

> System		
> Network	Basic Settings	
 Network 	Ringtone Duration: 5 (1~600)s	
› Line	Input & Tamper Server Address:	
	Message:Alarm_Info:Description=I53W;SIP User=0305;Mac=0c:38:3e:46:1e:62;IP=172.16.12.207;port=Input	
Settings	Apply	
Phonebook	Input Settings >>	
	Input1: Triggered By: Low Level Trigger(Close Trigger)	
Call logs	Triggered By: Low Level Trigger(Close Trigger) Triggered Action: Send SMS Dss Key: None Triggered Ringtone: NONE	
	ingeled kadoni. ■ Setta Seta Seta Vasi Key, <u>Folie</u> • ingeled kinjkone, <u>Front</u> •	
Function Key	Triggered By: Low Level Trigger(Close Trigger) •	
	Triggered Action: Send SMS Disk Key: None Triggered Ringtone: NONE	
Security	Ø Input3:	
	Triggered By: Low Level Trigger(Close Trigger) •	
Device Log	Triggered Action: Send SMS Dss Key: None • Triggered Ringtone: NONE •	
Converting Contribution	🗷 Input4:	
Security Settings	Triggered By: Low Level Trigger(Close Trigger) •	
	Triggered Action: Send SMS Dss Key: None • Triggered Ringtone: NONE •	
	✓ InputS:	
	Triggered By: Low Level Trigger(Close Trigger) Triggered Action: Send SMS Das Key: None Triggered Ringtone: NONE T	
	inggerea Action: ■ Send SMS USS key: None ▼ Inggerea Kingtone: NUNE ▼	
	at inputo: Triggerd By: Low Level Trigger(Close Trigger) ▼	
	Triggered Action : Send SN2 Dss Key: None Triggered Ringtone: NONE	
	Triggered By: Low Level Trigger(Close Trigger)	
	Triggered Action: Send SMS DSs Key: None V Triggered Ringtone: NONE V	20位于 14月1日
	🗭 Input8:	激活 Wind 转到"设置"以
	Triagered Bv: Low Level Triager(Close Triager) v	PRESS DEAL RA

Picture 96- Input and output settings

Security Settings					
parameter	description				
Basic Setting	Basic Settings				
Ringtone	The duration of the alarm bell				
Duration					
	Configure the remote response server address (including the remote				
Input &	response server address and the alarm trigger server address). When the				
Tamper	input port is triggered, a short message will be sent to the server, the				
Server	message format is as follows:				
Address	Alarm_Info:Description=i51;SIP				
	User=;Mac=0c:38:3e:39:6a:b6;IP=172.16.7.189;port=Input				
Input Settings	6				
Input	Enable or disable the input port				
	When low level trigger (closed trigger) is selected, the detection input port				
Triggered Dy	(low level) closed trigger.				
Triggered By	When the high level trigger (disconnect trigger) is selected, the detection				
	input port (high level) disconnect trigger.				
Send SMS	Enable or disable the input port to send messages to the server				
Dee Key	When set to dsskey1 or dsskey2, trigger dsskey to make a call, the default is				
Dss Key	none				
Triggered	Support ringtone coloction				
Ringtone	Support ringtone selection				

Table 32 -	Input	and	output	parameters
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12 Trouble Shooting

When the phone is not in normal use, the user can try the following methods to restore normal operation of the phone or collect relevant information and send a problem report to Fanvil technical support mailbox.

12.1 Get Device System Information

Users can get information by pressing the [**Menu**] >> [**Status**] option in the phone.The following information will be provided:

The network information

Equipment information (model, software and hardware version), etc.

12.2 Reboot Device

Users can reboot the device from soft-menu, [Menu] >> [Phone settings] >> [System], and press [Reboot], Or, simply remove the power supply and restore it again.

12.3 Reset Device to Factory Default

Reset Device to Factory Default will erase all user's configuration, preference, database and profiles on the device and restore the device back to the state as factory default.

To perform a factory default reset, user should press [Menu] >> [phone setting]>> [maintain], and then input the password to enter the interface. Then choose [Phone Reset] and press [Reset]. The device will be rebooted into a clean factory default state.

12.4 Screenshot

If there is a problem with the phone, the screenshot can help the technician locate the function and identify the problem. In order to obtain screen shots, log in the phone webpage [**System**] >> [**Tools**], and you can capture the pictures of the main screen (you can capture them in the interface with problems).



	Information Account	Configurations Upgrade	Auto Provision FDMS	Tools	Reboot Phone
> System					NOTE
> Network	Syslog				Description:
	Enable Syslog:				Some tools to bein
> Line	Server Address:	0.0.0		0	administrators or technicians to analyze
	Server Port: APP Log Level:	514		0	issues.
> Settings	Export Log:	Ellor •		•	
	Export Logi	Apply			
> Phonebook					
	WLAN Log				
> Call logs	Enable WLAN Log:	Export Log			
		Apply			
Function Key		, debrit			
	Packet Capture 🕜				
> Security	Start	stop			
> Device Log	Screenshot				
, Device Log	Main Screen:	Save BMP			
> Security Settings	Watch Dog				
	Enable Watch Dog:	•			
	Enable watch bog.	Apply			
		, defect			
	PING				
		Start stop			
	PING Result:				

Picture 97- Input and output settings

12.5 Network Packets Capture

Sometimes it is helpful to dump the network packets of the device for issue identification. To get the packets dump of the device, user needs to log in the device web portal, open page [**System**] >> [**Tools**] and click [**Start**] in "Packets Capture" section. A pop-up message will be prompt to ask user to save the capture file. User then should perform relevant operations such as activate/deactivate line or making phone calls and click [**Stop**] button in the web page when operation finished. The network packets of the device during the period have been dumped to the saved file.

	Information Account	Configurations Upgrade Auto Provisio	n FDMS Tools	Reboot Phone
> System				NOTE
> Network	Syslog Enable Syslog:			Description: Some tools to help
› Line	Server Address: Server Port:	0.0.0.0 514	0 0	administrators or technicians to analyze issues.
> Settings	APP Log Level: Export Log:	Error	0	
› Phonebook	WLAN Log	Apply		
> Call logs	Enable WLAN Log:	Export Log		
> Function Key		Apply		
> Security	Packet Capture 🕜	stop		
> Device Log	Screenshot Main Screen:	Save BMP		
> Security Settings	Watch Dog			
	Enable Watch Dog:	Apply		
	PING			
	PING Result:	Start stop		



Picture 98- Web capture

User may examine the packets with a packet analyzer or send it to Fanvil support mailbox.

12.6 Get Log Information

Log information is helpful when encountering an exception problem. In order to get the log information of the phone, the user can login the phone web page, open the page [**Device log**], click the [**Start**] button, follow the steps of the problem until the problem appears, and then click the [**End**] button, [**Save**] to local analysis or send the log to the technician to locate the problem.

12.7 Common Trouble Cases

Trouble Case		lution
Device could not boot up		The device is powered by external power supply via power
		adapter or PoE switch. Please use standard power adapter
		provided by Fanvil or PoE switch met with the specification
		requirements and check if device is well connected to power
		source.
	2.	If you saw "POST MODE" on the device screen, the device
		system image has been damaged. Please contact location
		technical support to help you restore the phone system.
Device could not register to a	1.	Please check if device is well connected to the network. The
service provider		network Ethernet cable should be connected to the
		[Network] port NOT the 💻 [PC] port.
	2.	Please check if the device has an IP address. Check the system
		information, if the IP displays "Negotiating", the device does not
		have an IP address. Please check if the network configurations is
		correct.
	3.	If network connection is fine, please check again your line
		configurations. If all configurations are correct, please kindly

Table 33 - Trouble Cases



contact your service provider to get support, or follow the
instructions in " <u>12.5 Network Packet Capture</u> " to get the network
packet capture of registration process and send it to Fanvil
support to analyze the issue.