



User Manual i16V&i32V

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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 design for indoor use. 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

i16V is a SIP visual intercom and i32V is a SIP video door phone developed for industry users on the basis of over ten years of VoIP phone technology. The voice transmission is based on the standard IP/RTP protocol, and the video transmission on RTSP protocol. They inherit Fanvil IP phones' advantages like good stability and tele-grade sound quality, and perfectly compatible with all current SIP-based main IP PBX/ soft switch /IMS platforms, such as Asterisk, Broadsoft, 3CX, Elastix, etc., for quickly deploying and provision.

i32V integrates multiple door open methods like remote door opening, password door opening, RFID card opening and indoor opening, with high cost performance and is the ideal choice for customers.



5 Install Guide

5.1 Use POE or external Power Adapter

i16V&i32V, called as 'the device' hereafter, supports two power supply modes, power supply from external power adapter or over Ethernet (POE) complied switch.

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 Appendix Table

5.2.1 Common command mode

Table 1 - Common command mode

Action	Description
IP Broadcast under	In standby mode, long presse the speed dial button for 10
standby mode	seconds, there will be a toot sound and the indicator light will flash
	5 seconds, please press the speed dial button once within 5
	seconds, the toot sound will stop automatically reporting IP
	In standby mode, long press the speed dial button for 10 seconds,
	there will be a toot sound and the indicator light will flash 5
Switch network	seconds. Within 5 seconds, press the speed dial button three times
mode	quickly to switch the network mode. Network state in static or
mode	PPPoE mode will be switched to DHCP mode; If the network is in
	DHCP mode, it will switch to static IP 192.168.1.128. IP will be
	reported after successful switch

5.2.2 Function key LED state

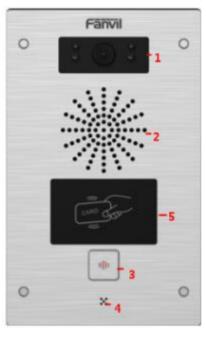
Table 2 - Function key LED state

Туре	LED	State
Speed dial	Normally on	Successfully registered
	Quick flashing	Registration failed/ network abnormal
	Slow flashing	In call



6 Basic Introduction

6.1 Panel Overview





i32V

i16V

Figure 1 - Panel

Table 3 - Panel introduction

Number	Name	Description
1	IP Camera	Video signal acquisition and transmission
2	Speaker	Play sound
3	Speed dial button	For speed dial, multicast, intercom, IP broadcast and
3		other functions
4	MIC	Collect voice
5	Card reader area	RFID card reader area, supports IC card and ID card

6.2 Quick Setting

Before proceeding with this step, make sure your Internet broadband connection is working properly and complete the network hardware connection. The default factory mode of i32V is DHCP and i16V is static IP address mode. IP address can be viewed by.

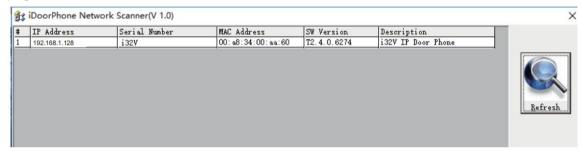
■ In standby mode, long presses the speed dial button for 10 seconds, there will be a beeping sound and indicator light flashes for 5 seconds, press the speed dial button once within 5



seconds (please do not operate within 30 seconds when power on), the voice will automatically play the IP address of the device or use the "IP scanning tool. exe" software to find the IP address of the device.

(Download http://download.fanvil.com/tool/iDoorPhoneNetworkScanner.exe)

- In standby mode, long presses the speed dial button for 10 seconds, there will be a beeping sound and indicator light flashes for 5 seconds, press the speed dial button once within 5 seconds (30 seconds after the power on), the voice will automatically play the IP address of the machine or use the "IP scanning tool. exe" software to find the IP address of the device.
- Login to the device's WEB page for configuration according to the IP address:
- Configure the account, user name, server address and other parameters required for registration provided by the service provider on the WEB configuration page;



The above picture shows the device information founded by the IP scanning tool, and the IP address is dynamic.

Figure 2 - Quickly setting

6.3 WEB configuration

When the device and your computer are successfully connected to the network, enter the IP address of the device on the browser as http://xxx.xxx.xxx/ and you can see the login interface of the web page management.



Figure 3 - WEB Login



The username and password should be correct to log in to the web page. **The default username and password are "admin"**. For the specific details of the operation of the web page, please refer to 9 Web Configurations

6.4 SIP Configurations

At least one SIP line should be configured properly to enable the 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 SIP line configuration should be set via the WEB configuration page by entering the correct information such as phone number, authentication name/password, SIP server address, server port, etc. which are provided by the SIP server administrator.

WEB interface: After login into the phone page, enter [Line] >> [SIP] and select SIP1/SIP2 for configuration, click apply to complete registration after configuration, as shown below:

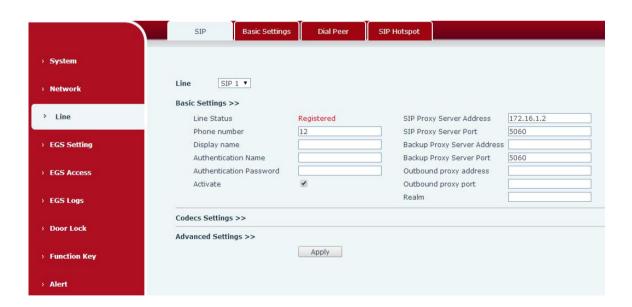


Figure 4 - SIP Line Configuration

6.5 Door opening operation (only for i32V Door Phone)

Unlock the door in the following eight ways:

1) The door phone calls the appointed number, and the receiver enters the remote door opening password to open the door.



- 3) The other device calls the door phone, enters the corresponding remote authentication code, and opens the door after timeout or the password check length is reached (the authentication code shall be configured in the access list, and the remote telephone opening shall be enabled).
- 4) Open the door by swiping the RFID card, which supports IC card and ID card.
- 5) Indoor door opening, the door can be opened through the indoor door button when the door phone is in any state.
- 6) Enter the position speed dial + authentication code to open the door, and directly enter this authentication code to open the door in standby mode. Please refer to the access list Settings for details.
- 7) super administrator card and super administrator password to open the door, in the case of door phone software exception, can open the door through the super administrator card and super administrator password (super administrator password is only limited to the device with a keyboard).
- 8) Active URL control command opens the door

The open URL is http://user:pwd@host/cgi-bin/ConfigManApp.com?Key = F_LOCK & code = openCode

A. user and PWD are user names and passwords for logging into the web

B. openCode is the remote door opening password, and the default is *

Example: http://admin:admin@172.18.3.25/cgi-bin/ConfigManApp.com?Key = *

Access code input correct play long sound prompt access and remote users, input error through the low frequency short sound prompt.

Password input is prompted by high frequency long sound successful, input error is prompted by high frequency short sound.

When the door lock is opened, it will be prompted by playing the long sound..



7 Basic Function

7.1 Making Calls

After setting the function key to Hot key and setting the number, press the function key to immediately call out the set number, as shown below:

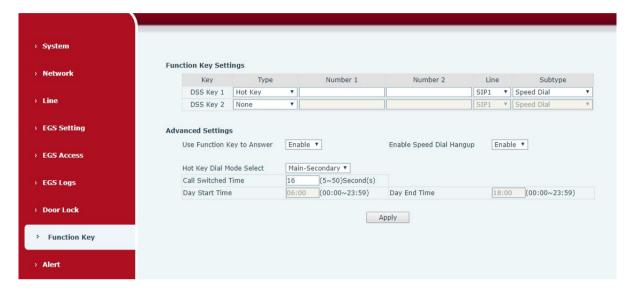


Figure 5 - Function Setting

See detailed configuration instructions 9.27 Function Key

7.2 Answering Calls

After setting up the automatic answer and setting up the automatic answer time, it will hear the ringing bell within the set time and automatically answer the call after timeout. Cancel automatic answering. When a call comes in, you will hear the ringing bell and will not answer the phone over time.

7.3 End of the Call

You can hang up the call through the Release key (you can set the function key as the Release key) or turn on the speed dial button to hang up the call. See detailed configuration instructions 9.27 Function Key.



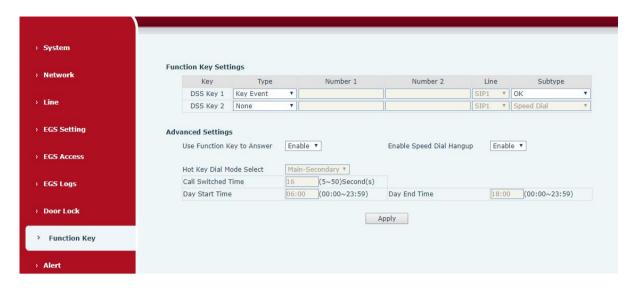


Figure 6 - Set Release

7.4 Auto-Answering

The user can turn off the auto-answer function (enabled by default) on the device webpage, and the ring tone will be heard after the shutdown, and the auto-answer will not time out.

Web interface: enter [EGS Setting] >> [Features], Enable auto answer, set mode and auto answer time and click submit.



Figure 7 - Enable Auto Answer

- Auto Answer mode:
 - Disable: Turn off the automatic answer function, the device has a call, ring, will not time out to answer automatically.
 - Line1 : Line 1 has an automatic call timeout.
 - Line2: Line 2 has an automatic call timeout.
 - Line1 and Line2: Line 1 and line 2 have an automatic call timeout.
 - Lines and IP Call: Line and IP direct dial call timeout automatically answer.
- Auto Answer Timeout (0~60)



The range can be set to $0\sim60s$, and the call will be answered automatically when the timeout is set.

7.5 DND

Users can turn on the do-not-disturb (DND) feature on the device's web page to reject incoming calls (including call waiting).Do not disturb can be set by the SIP line respectively on/off.

Turn on/off all lines of the device without interruption by the following methods:

 Web interface: enter [EGS Setting] >> [Features], set the DND Mode to phone and Enable DND.



Figure 8 - Set DND Option

Turn on/off the interruption free method for the specific line of the device, as follows:

Web interface: enter [EGS Setting] >> [Features], set the do not disturb type to Line, enter [Line] >> [SIP], choose a Line and enter [Line] >> [Advanced settings], Enable DND.

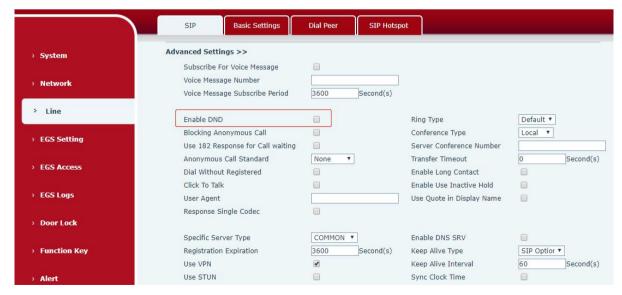


Figure 9 - Enable DND



7.6 Call Waiting

- Enable call waiting: new calls can be accepted during a call.
- Disable call waiting: new calls will be automatically rejected and a busy signal will be prompted
- Enable call waiting tone: when you receive a new call on the line, the device will beep. Users can enable/disable call waiting in the device interface and the web interface.
- Web interface: enter [EGS Setting] >> [Features], enable/disable call waiting, enable/disable call waiting tone.

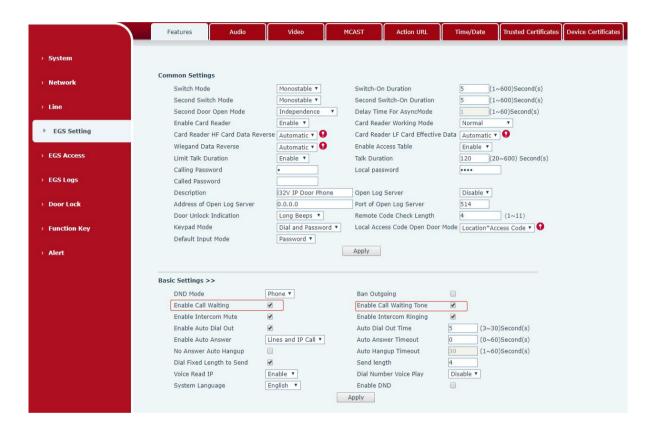


Figure 10 - Call Waiting



8 Advance Function

8.1 Intercom

The equipment can answer intercom calls automatically.

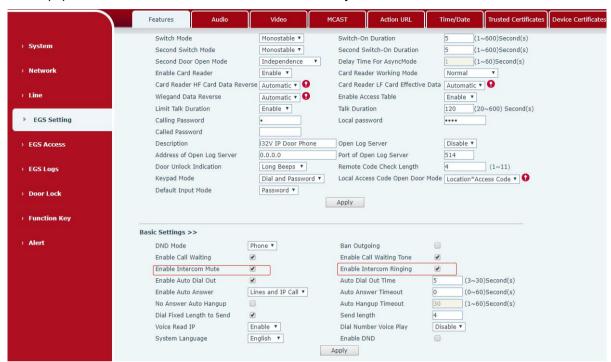


Figure 11 - WEB Intercom

Table 4 - Intercom

Parameters	Description
Enable Intercom Mute	Enable mute during intercom mode
Enable Intercom Dinging	If the incoming call is intercom call, the device plays the
Enable Intercom Ringing	intercom tone.

8.2 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.



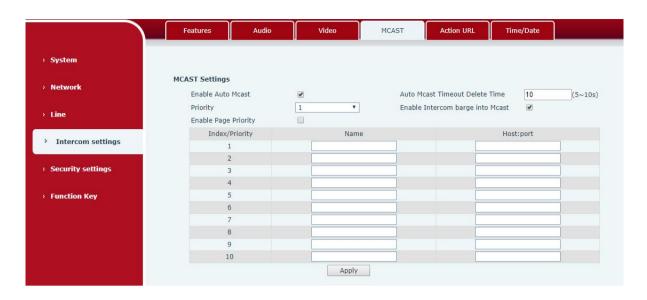


Figure 12 - MCAST

Table 5 - MCAST

Parameters	Description
Enable Auto Mcast	Send the multicast configuration information by Sip Notify
	signaling, and the device will configure the information to the
	system for multicast listening or cancel the multicast listening in the
	system after receiving the information
Auto Mcast Timeout	When a multicast call does not end normally, but for some reason
Delete Time	the device can no longer receive a multicast RTP packet, this
	configuration cancels the listening after a specified time
Priority	The priority defined in the current call, 1 is the highest priority and
	10 is the lowest.
Enable Intercom barge	When enabled, intercom insertion is allowed on multicast calls
into Mcast	
Enable Page Priority	Regardless of which of the two multicast groups is called in first,
	the device will receive the higher priority multicast first.
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 DSSKY of Multicast Key which you set.
- Receive end will receive multicast call and play multicast automatically.

8.3 Hotspot

SIP hotspot is a simple utility. Its configuration is simple, can realize the function of group vibration, can expand the number of SIP account.

Take one device A as the SIP hotspot and the other devices (B, C) as the SIP hotspot client. When someone calls device A, devices A, B, and C will ring, and if any of them answer, the other devices will stop ringing and not be able to answer at the same time. When A B or C device is called out, it is called out with A SIP number registered with device A.

Table 6 - SIP Hotspot

Parameters	Description
Enable Hotspot	Set the enable hotspot option in the SIP hotspot configuration TAB to
	enabled
Mode	This device can only be used as a client
Monitor Type	The monitoring type can be broadcast or multicast. If you want to restrict
	broadcast packets in the network, you can choose multicast. The type of
	monitoring on the server side and the client side must be the same, for
	example, when the device on the client side is selected for multicast, the
	device on the SIP hotspot server side must also be set for multicast
Monitor	The multicast address used by the client and server when the monitoring
Address	type is multicast. If broadcasting is used, this address does not need to
	be configured, and the system will communicate by default using the
	broadcast address of the device's wan port IP
Remote Port	Fill in a custom hotspot communication port. The server and client ports
	need to be consistent
Name	Fill in the name of the SIP hotspot. This configuration is used to identify
	different hotspots on the network to avoid connection conflicts
Line Settings	Sets whether to enable the SIP hotspot function on the corresponding
	SIP line

Client Settings:

As a SIP hotspot client, there is no need to set up a SIP account, which is automatically acquired and configured when the device is enabled. Just change the mode to "client" and the other options are set in the same way as the hotspot.





Figure 13 - SIP Hotspot

The device is the hotspot server, and the default extension is 0. The device ACTS as a client, and the extension number is increased from 1 (the extension number can be viewed through the [SIP hotspot] page of the webpage).

Calling internal extension:

- The hotspot server and client can dial each other through the extension number before
- Extension 1 dials extension 0



9 Web Configurations

9.1 Web Page Authentication

Users can log into the device's web page to manage user device information and operate the device. Users must provide the correct user name and password to log in. If the password is entered incorrectly three times, it will be locked and can be entered again after 5 minutes.

The details are as follows:

- If an IP is logged in more than the specified number of times with a different user name, it will be locked
- If a user name logs in more than a specified number of times on a different IP, it is also locked

9.2 System >> Information

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

- Model
- Hardware Version
- Software Version
- Uptime
- Last uptime
- MEMinfo
- System Time

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)



9.3 System >> Account



Figure 14 - WEB 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

9.4 System >> Configurations

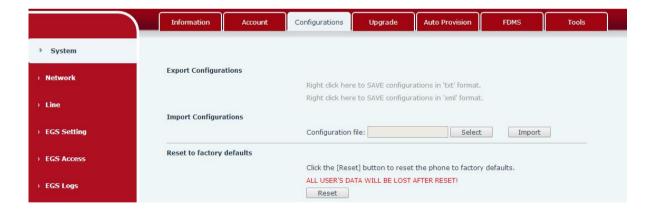


Figure 15 - System Setting

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

■ Export Configurations

Right click to select target save as, that is, to download the device's configuration file, suffix ".txt". (note: profile export requires administrator privileges)

■ Import Configurations

Import the configuration file of Settings. The device will restart automatically after successful



import, and the configuration will take effect after restart

■ Reset Phone

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

9.5 System >> Upgrade



Figure 16 - Upgrade

Upgrade the software version of the device, and upgrade to the new version through the webpage. After the upgrade, the device will automatically restart and update to the new version. Click select, select the version and then click upgrade

9.6 System >> Auto Provision

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

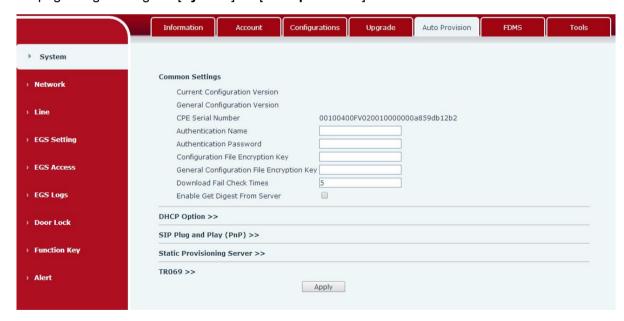


Figure 17 - Auto Provision

Fanvil devices support SIP PnP, DHCP options, Static provision, TR069. If all of the 4 methods are enabled, the priority from high to low as below:

PNP>DHCP>TR069> Static Provisioning

Transferring protocol: FTP 、 TFTP 、 HTTP 、 HTTPS



Details refer to Fanvil Auto Provision

http://www.fanvil.com/Uploads/Temp/download/20180920/5ba38170d79fb.pdf

Table 7 - Auto Provision

Parameters	Description
Basic settings	
Current Configuration Version	Show the current config file's version. If the version of configuration downloaded is higher than this, the configuration will be upgraded. If the endpoints confirm the configuration by the Digest method, the configuration will not be upgraded unless it differs from the current configuration
General Configuration Version	Show the common config file's version. If the configuration downloaded and this configuration is the same, the auto provision will stop. If the endpoints confirm the configuration by the Digest method, the configuration will not be upgraded unless it differs from the current configuration.
CPE Serial Number	Serial number of the equipment
Authentication Name	Username for configuration server. Used for FTP/HTTP/HTTPS. If this is blank the phone will use anonymous
Authentication Password	Password for configuration server. Used for FTP/HTTP/HTTPS.
Configuration File Encryption Key	Encryption key for the configuration file
General Configuration File Encryption Key	Encryption key for common configuration file
Save Auto Provision Information	Save the auto provision username and password in the phone until the server url changes
Download Fail	The default value is 5. If the download configuration fails, it will be
Check Times	downloaded 5 times.
Enable Server	When the feature is enable, if the configuration of server is changed,
Digest	phone will download and update.
DHCP Option	
Option Value	The equipment supports configuration from Option 43, Option 66, or a Custom DHCP option. It may also be disabled.



Custom Option Value	Custom option number. Must be from 128 to 254.
Enable DHCP Option 120	Set the SIP server address through DHCP option 120.
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 server can
Enable SIP PnP	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	
	Set FTP/TFTP/HTTP server IP address for auto update. The address
Server Address	can be an IP address or Domain name with subdirectory.
	The configuration file name. If it is empty, phone will request the
Configuration File	common file and device file which is named as its MAC address.
Name	The file name could be a common name, \$mac.cfg, \$input.cfg. The
	file format supports CFG/TXT/XML.
Protocol Type	Transferring protocol type , supports FTP \ TFTP \ HTTP and HTTPS
	Configuration file update interval time. As default it is 1, means phone
Update Interval	will check the update every 1 hour.
	Provision Mode.
	1. Disabled.
Update Mode	2. Update after reboot.
	3. Update after interval.
TR069	
Enable TR069	Enable TR069 after selection
Enable TR069	
Warning Tone	If TR069 is enabled, there will be a prompt tone when connecting.
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)
TR069 Auto Login	Enable/Disable TR069 Auto Login.
STUN	Fator the CTUN address
server address	Enter the STUN address



Enable the STUN Enable the STUN

9.7 System >> FDMS



Figure 18 - FDMS

Table 8 - FDMS

FDMS information Settings		
Community Designations	Name of equipment installation community	
Building a movie theater	Name of equipment installation building	
room number	Equipment installation room name	

9.8 System >> Tools

This page gives the user the tools to solve the problem.

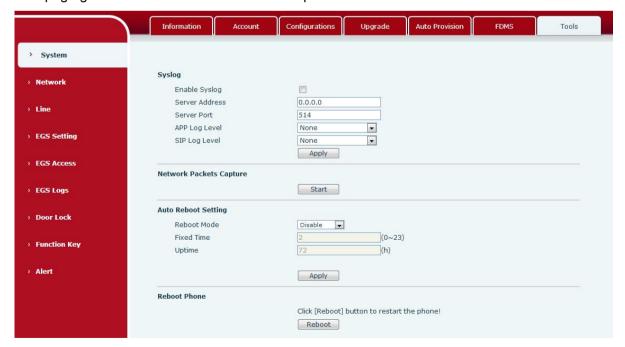


Figure 19 - Tools



Syslog: When enabled, set the syslog software address, and log information of the device will be recorded in the syslog software during operation. If there is any problem, log information can be analyzed by Fanvil technical support.

Auto Reboot Setting:

Reboot Mode:

Disable: It will not restart at set time after disabled

Fixed Time: In the range of 0~24 (h), restart will be conducted at the setting point every day after the setting is completed

Uptime: Set the maximum length to 3 bits and restart at run time

For other details, please refer to 10 trouble shooting

9.9 Network >> Basic

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



Figure 20 - Network Basic Setting

Table 9 - Network Basic Setting

Field Name	Explanation	
Network Status		
IP	The current IP address of the equipment	
Subnet	The current Subnet Mask	



mask		
Default	The current Gateway IP address	
gateway	THE CUITCH Galeway IF address	
MAC	The MAC address of the equipment	
MAC Time	O the MAC attended from	
stamp	Get the MAC address of time.	
Settings		
Select the appropriate network mode. The equipment supports three network modes:		
	Network parameters must be entered manually and will not change. All	
Static IP	parameters are provided by the ISP.	
DHCP	Network parameters are provided automatically by a DHCP server.	
DDDoC	Account and Password must be input manually. These are provided by	
PPPoE	your ISP.	
If Static IP is chosen, the screen below will appear. Enter values provided by the ISP.		
DNS Server		
Configured	Select the Configured mode of the DNS Server.	
by		
Primary DNS	Enter the conver address of the Drimony DNS	
Server	Enter the server address of the Primary DNS.	
Secondary	Enter the server address of the Secondary DNS.	
DNS Server		

attention:

- 1) After setting the parameters, click [submit] to take effect.
- 2) If you change the IP operation, the web page will no longer respond, at this time should be entered in the address bar new IP to connect to the device.
- 3) If the system USES DHCP to obtain IP at start up, and the network address of the DHCP Server is the same as the network address of the system LAN, then after the system obtains the DHCP IP, it will add 1 to the last bit of the network address of LAN and modify the IP address segment of the DHCP Server of LAN. If the DHCP access is reconnected to the WAN after the system is started, and the network address assigned by the DHCP server is the same as that of the LAN, then the WAN will not be able to obtain IP access to the network

Service Port Settings

Web Server	Specify Web Server Type – HTTP or HTTPS
Туре	
HTTP Port	Port for web browser access. Default value is 80. To enhance security,
	change this from the default. Setting this port to 0 will disable HTTP



	access.
	Example: The IP address is 192.168.1.70 and the port value is 8090,
	the accessing address is http://192.168.1.70:8090.
HTTPS Port	Port for HTTPS access. Before using https, an https authentication
	certification must be downloaded into the equipment.
	Default value is 443. To enhance security, change this from the
	default.

9.10 Network >> VPN

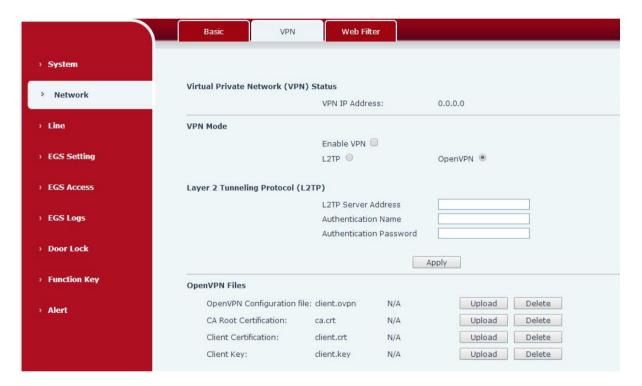


Figure 21 - VPN

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 webpage [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 with the VPN automatically when the device boots up every time until user disable it. Sometimes, if the VPN connection does not establish 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 can upload these files to the device in the web page [Network] >> [VPN], select 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.

9.11 Network >> Web Filter

A user can set up a configuration management device that allows only machines with a certain network segment IP to access the configuration management device





Figure 22 - WEB Filter



Figure 23 - 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.



9.12 Line >> SIP

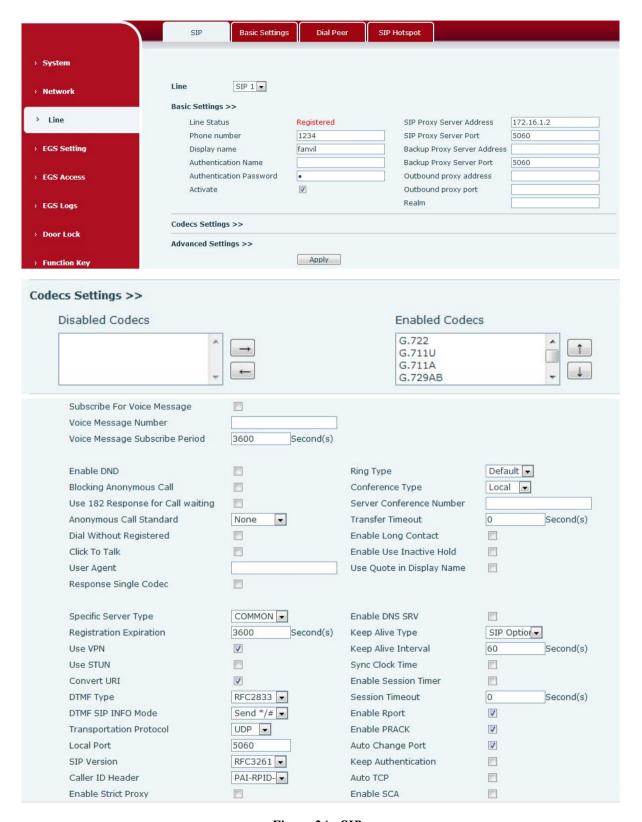


Figure 24 - SIP

Configure the service configuration for the wire on this page.



Table 10 - SIP

SIP		
Field Name	Explanation	
Basic Settings (Choose the SIP line to configured)		
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.	
Username	Enter the username of the service account.	
Display name	Enter the display name to be sent in a call request.	
Authentication Name	Enter the authentication name of the service account	
Authentication	Enter the authorization recovered of the convice account	
Password	Enter the authentication password of the service account	
Activate	Whether the service of the line should be activated	
SIP Proxy Server	Enter the ID or EODN address of the SID provision	
Address	Enter the IP or FQDN address of the SIP proxy server	
SIP Proxy Server	Enter the SID prove converger port, default in 5060	
Port	Enter the SIP proxy server port, default is 5060	
Outbound proxy	Enter the IP or FQDN address of outbound proxy server provided by	
address	the service provider	
Outbound proxy port	Enter the outbound proxy port, default is 5060	
Realm	Enter the SIP domain if requested by the service provider	
Codecs Settings		
Set the priority and a	vailability of the codecs by adding or remove them from the list.	
Advanced Settings		
Subscribe For Voice	Enable the device to subscribe a voice message waiting notification,	
	if enabled, the device will receive notification from the server if there	
Message	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 DND	Enable Do-not-disturb, any incoming call to this line will be rejected automatically	
Blocking Anonymous Call	Reject any incoming call without presenting caller ID	
Use 182 Response for Call waiting	Set the device to use 182 response code at call waiting response	



A 0 !!		
Anonymous Call Standard	Set the standard to be used for anonymous	
Dial Without		
Registered	Set call out by proxy without registration	
Click To Talk	Set Click To Talk	
User Agent	Set the user agent, the default is Model with Software Version.	
Response Single	If setting enabled, the device will use single codec in response to an	
Codec	incoming call request	
Ring Type	Set the ring tone type for the line	
	Set the type of call conference, Local=set up call conference by the	
Conference Type	device itself, maximum supports two remote parties, Server=set up	
	call conference by dialing to a conference room on the server	
Server Conference	Set the conference room number when conference type is set to be	
Number	Server	
Transfer Timeout	Set the timeout of call transfer process	
Enable Long	Alle	
Contact	Allow more parameters in contact field per RFC 3840	
	Active capture package SDP is inactive, while the hold is sendrecv.	
Enable the Inactive	Active capture package has no response of 400, etc. Hold the hair	
Hold	inactive	
	After closing the grab packet, you can see that the DSP is sendonly	
	and the hold is sendrecv	
Use Quote in	NA/Is also and a solid sound in discription	
Display Name	Whether to add quote in display name	
Specific Server Type	Set the line to collaborate with specific server type	
Registration	Set the SIP expiration interval	
Expiration	Set the on expiration interval	
Use VPN	Set the line to use VPN restrict route	
Use STUN	Set the line to use STUN for NAT traversal	
Convert URI	Convert not digit and alphabet characters to %hh hex code	
	Set the DTMF sending mode, there are four types:	
	In-band	
DTMF Type	RFC2833	
	SIP_INFO	
	AUTO	
	Different service providers may offer different models	
DTMF SIP INFO	When the device's DTMF type is set to SIP_INFO	
Mode	The DTMF_SIP_INFO type is configured to send */#, and when the	



	davice presses the */# key, the actual value cent is */#:
	device presses the */# key, the actual value sent is */#; Configured to send 10/11, when the device presses the */# key, the
	Configured to send 10/11, when the device presses the */# key, the
T	actual value sent is 10/11.
Transportation	Set the line to use TCP or UDP for SIP transmission
Protocol	
Local Port	Set the Local Port
SIP Version	Set the SIP version
Caller ID Header	Set the Caller ID Header
	Enables the use of strict routing. When the phone receives packets
Enable Strict Proxy	from the server, it will use the source IP address, not the address in
	via field.
Enable user=phone	Sets user=phone in SIP messages.
Enable SCA	Enable/Disable SCA (Shared Call Appearance)
Enable DNS SRV	Set the line to use DNS SRV which will resolve the FQDN in proxy
Enable DINS SRV	server into a service list
Kasa Alina Tura	Set the line to use dummy UDP or SIP OPTION packet to keep NAT
Keep Alive Type	pinhole opened
Keep Alive Interval	Set the keep alive packet transmitting interval
Enghla Cassian	Set the line to enable call ending by session timer refreshment. The
Enable Session	call session will be ended if there is not new session timer event
Timer	update received after the timeout period
Session Timeout	Set the session timer timeout period
Enable Rport	Set the line to add rport in SIP headers
Enable PRACK	Set the line to support PRACK SIP message
D.10 0D1/	Set the line to use DNS SRV which will resolve the FQDN in proxy
Enable DNS SRV	server into a service list
Auto Change Port	Enable/Disable Auto Change Port
Keep Authentication	Keep the authentication parameters from previous authentication
A . TG5	Using TCP protocol to guarantee usability of transport for SIP
Auto TCP	messages above 1500 bytes
Enable GRUU	Support Globally Routable User-Agent URI (GRUU)
RTP Encryption	Set the pass phrase for RTP encryption
With Mac field	When enabled, all SIP messages strip Mac fields
Register with the	
Mac field	When enabled, register the message ribbon Mac field



9.13 Line >> Basic Settings

STUN -Simple Traversal of UDP through NAT -A STUN server allows a phone in a private network to know its public IP and port as well as the type of NAT being used. The equipment can then use this information to register itself to a SIP server so that it can make and receive calls while in a private network.

Figure 25 - Network Basic

Setting up SIP Global Configuration:

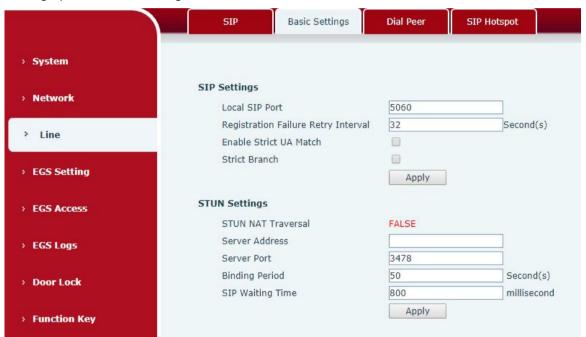


Figure 26 - Line Basic Setting

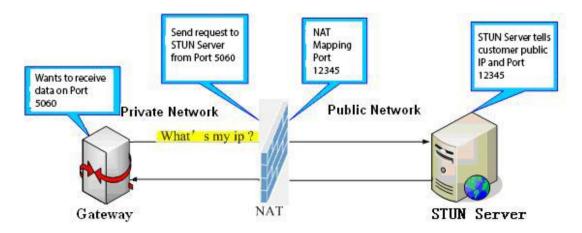


Table 11 - Line Basic Setting

Field Name	Explanation
	1



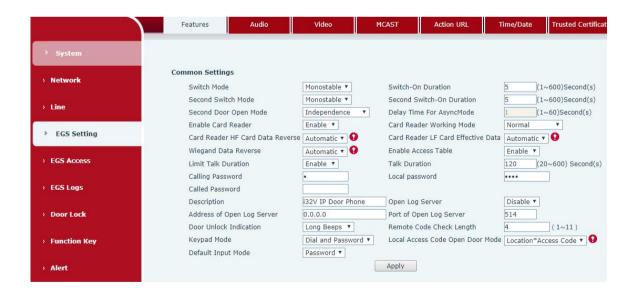
SIP Settings	
Local SIP Port	Set the local SIP port used to send/receive SIP messages.
Registration Failure	Set the retry interval of SIP REGISTRATION when registration
Retry Interval	failed.
Enable Strict UA Match	Enable or disable Strict UA Match
Field Name	Explanation
STUN Settings	
Server Address	STUN Server IP address
Server Port	STUN Server Port – Default is 3478.
Binding Period	STUN blinding period – STUN packets are sent at this interval to
	keep the NAT mapping active.
SIP Waiting Time	Waiting time for SIP. This will vary depending on the network.

9.14 Line >> SIP Hotspot

SIP hotspot is a simple and practical function. It is simple to configure, can realize the function of group vibration, and can expand the number of SIP accounts.

See <u>8.3 Hotspot</u> for details.

9.15 EGS Setting >> Features





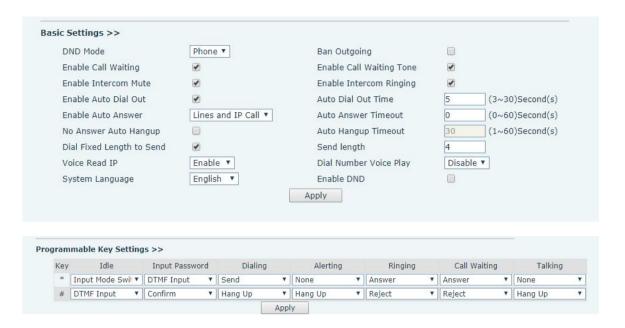


Figure 27 - EGS Setting

Table 12 - EGS Setting

EGS Features Setting (Only for Door phone)	
Field Name	Explanation
Basic Settings	
	Monostable: there is only one fixed action status for door unlocking.
	Bistable: there are two actions and statuses, door unlocking and door
Switch Mode	locking. Each action might be triggered and changed to the other
	status. After changed, the status would be kept.
	Initial Value is Monostable
Switch-On Duration	Door unlocking time for Monostable mode only. If the time is up, the
Switch-On Duration	door would be locked automatically. Initial Value is 5 seconds.
Enable Card Reader	Enable or disable card reader for RFID cards.
	Set ID card stats:
	Normal: This is the work mode, after the slot card can to open the door.
Card Reader	Card Issuing: This is the issuing mode, after the slot card can to add ID
Working Mode	cards.
	Card Revoking: This is the revoking mode, after the slot card can to
	delete ID cards.
Card Doodor HE	Set the HF card data reverse order, the default value is automatic. You
Card Reader HF Card Data Reverse	can set it up when the card display is not consistent with the card
Caiu Dala Reveise	number.
Card Reader LF Card	The LF Card Effective Data, the default value is automatic.



Effective Data	
Wiegand Data	Set Wiegand Data Reverse, the default value is automatic.
Reverse	Set Wiegand Data Reverse, the default value is automatic.
Enable Access Table	Disable remote password implementations for all calls to open doors;
	Enable remote password to open the door after calling only by access
	guard
Limit Talk Duration	If enabled, calls would be forced ended after talking time is up.
Talk Duration	The call will be ended automatically when time up. Initial Value is 120
Tam Baration	seconds
Calling Password	Remote door unlocking password. Initial Value is "*".
Description	Device description displayed on IP scanning tool software. Initial Value
2 3 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	is "i32V IP Door Phone".
Enable Open Log	Enable or disable to connect with log server
Server	3 1 3
Address of Open Log	Log server address(IP or domain name)
Server	,
Port of Open Log	Log server port (0-65535) , Initial Value is 514.
Server	
Door Unlock	Indication tone for door unlocked. There are 3 type of tone: silent/short
Indication	beeps/long beeps.
Remote Code Check	The remote access code length would be restricted with it. If the input
Length	access code length is matched with it, system would check it
	immediately. Initial Value is 4.
	r Phone &Intercom Phone)
DND (Do Not	DND might be disabled phone for all SIP lines, or line for SIP
Disturb)	individually. But the outgoing calls will not be affected
Ban Outgoing	If enabled, no outgoing calls can be made.
Enable Call Waiting	The default value is enabled. Allow users to answer the second call
	while maintaining the call.
Enable Call Waiting	The default value is enabled. When enabled, the call waiting tone can
Tone	be heard while waiting for a call. If this function is turned off, when
	waiting for a call, the beep will not be heard.
Enable Intercom	If enabled, mutes incoming calls during an intercom call.
Mute	
Enable Intercom	If enabled, plays intercom ring tone to alert to an intercom call.
Tone	
Enable Auto Dial Out	Enable Auto Dial Out when timeout.
Auto Dial Out Time	Configure waiting time for timeout dialing.



	,
Enable Auto Answer	Enable Auto Answer function
Auto Answer Timeout	Set Auto Answer Timeout
No Answer	Enable automatically hang up when no answer
Handdown	
No Answer Auto	Configuration automatically hangs up when no answer occurs within
Hangup	the set time.
Auto Hangup	Set the time of no analysis auto bango up
Timeout	Set the time of no answer auto hangs up.
Dial Fixed Length to	Configure to enable/disable fixed-length automatic dial-out numbers.
Send	
	Configure the receiving number length; default is 4. After the user dials
Send length	the 4-digit number, the device will automatically call out the 4-digit
	number.
Dial Number Voice	Configure to enable/disable dial-up voice prompts, which are disabled
Play	by default.
System Language	Language for configuring voice prompts.
	If this item is selected, the device will reject any incoming calls and the
Enable DND	caller will remind the device not to use, but the local exhalation will not
	be affected.
Voice Dood ID	Configure IP broadcasting (press the # key for 3 seconds in standby
Voice Read IP	state); the default value is enabled.

Block Out Settings(Only for Door phone)

Add or delete blocked numbers – enter the prefix of numbers which should not be dialed by the phone. For example, if 001 is entered, the phone would not dial any number beginning with 001.

X and x are wildcards which match single digit. For example, if 4xxx or 4XXX is entered, the phone would not dial any 4 digits numbers beginning with 4. It would dial numbers beginning with 4 which are longer or shorter than 4 digits.

Programmable Key Settings(Only for Door phone, "*" "key of customer setting) Idle Set the function of "*" and "#"key when idle. Input Password Set the function of "*" and "#"key when Input password. Dialing Set the function of "*" and "#"key when dialing. Alerting Set the function of "*" and "#"key when alerting. Ringing Set the function of "*" and "#"key when ringing. Call Waiting Set the function of "*" and "#"key when call waiting. Talking Set the function of "*" and "#"key when talking.



9.16 EGS Setting & Intercom Setting >> Audio

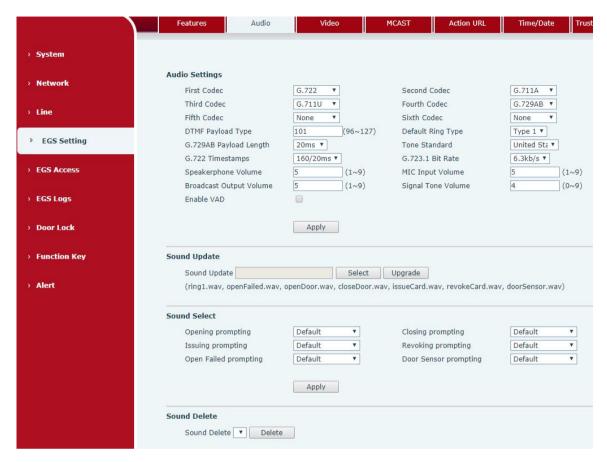


Figure 28 - Audio Setting

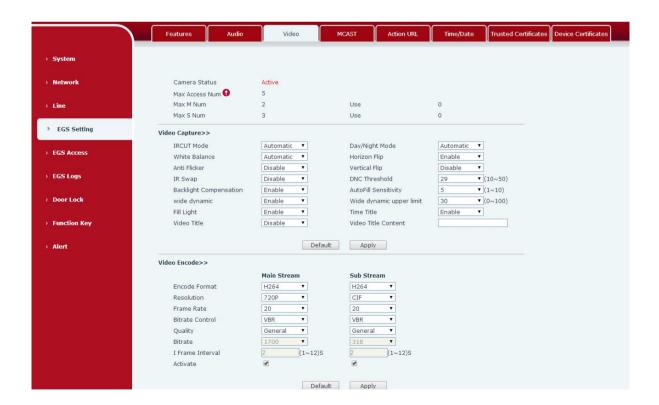
Table 13 - Audio Setting

Field Name	Explanation
Audio Settings	
Codec Setting	Select enabled or disabled audio codec:
	G.711A/U,G.722,G.723,G.729,
	G.726-16,G726-24,G726-32,G.726-40,
	ILBC,AMR,AMR-WB, opus
DTMF Payload Type	Setting DTMF payload type, the value range must be 96~127.
Default Ring Type	Configure the default ring tone. If no special ringtone is set for the
	caller number, the default ringtone will be used.
G.729AB Payload Length	You can select the G.729AB Payload Length ,the options are
	10ms · 20ms · 30ms · 40ms · 50ms · 60ms.
G.722 Timestamps	You can choose G.722 Timestamps for 160/20ms or 320/20ms.
G.723.1 Bit Rate	You can choose G.723.1 Bit Rate of 5.3 kb/s or 6.3 kb/s.
Speakerphone Volume	Set the hands-free volume to 1-9
MIC Input Volume	Set the microphone volume to 1~9



cast output volume to 1~9
sound volume to 0~9
e activity detection is enabled.
ded suffix ". Wav "format of the door, door, and
prompt sound
default and voice prompt
tones are displayed in the delete list, which can be
eted

9.17 EGS Setting & Intercom Setting >> Video





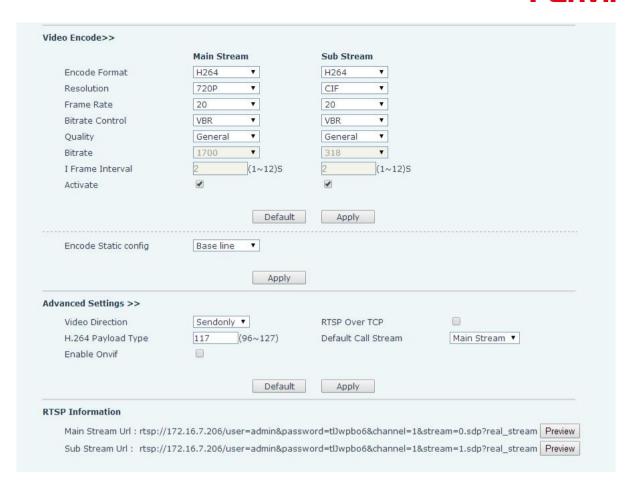


Figure 29 - Video Setting

Camera connection Settings	
Field Name	Explanation
	Camera status: When the device is restarted, the camera status shows
Camera status	whether it is currently available.
and number of	The maximum number of accesses, the maximum number of main code
visits	streams, the maximum number of subcode streams and the number of uses.
Video Capture (Local)	
	Auto: IRCUT switches according to the actual ambient light level of the
IDCUT Mode	camera
IRCUT Mode	Synchronization: The switching of the IRCUT is determined by the actual
	brightness of the IR lamp.
	Automatic: automatically switches according to the DNC Threshold and the
Day/Night Mode	brightness of the actual environment where the camera is located
	Day Mode: The camera's video screen is always colored, if there is IR-cut will
	be synchronized to switch.



	Night Mode: the camera's video screen is always black and white, if there is
	IR-cut will be synchronized switch.
	Automatic: Automatically adjusts according to the actual environment in
White Balance	which the camera is located.
	Outdoor: installed in the outdoor preferred.
	Indoor: installed in the room preferred.
Horizon Flip	The video is flipped horizontally
	Enable the option. In a fluorescent environment can eliminate the video
Anti Flicker	horizontal scroll
Vertical Flip	The video is flipped horizontally
IR Swap	IR-cut filter switch
	In the Day / Night mode Auto option, the color switching black and white
	threshold is set
DNC Threshold	Set the video color to black and white threshold in the day and night mode
	selection auto mode
Backlight	
Compensation	In front of a very strong background light can see people or objects clearly
AutoFill	In the environment changes in light and shade, the higher the sensitivity the
Sensitivity	faster the video changes
	The wide dynamic is related to the optimization of the backlight scene. When
wide dynamic	people are in the backlight condition, it may be because the background is
wide dynamic	too bright and the person is a piece of black, which is helpful for optimization
	after opening
Wide dynamic	range
upper limit	Tunge
Fill Light	Provide auxiliary light when shooting in the absence of light conditions
Time Title	Video can see the time information
Video Title	Enable/disable camera titles
Video Title	When enabled, video can see the set title information
Content	When chapted, video can see the set the members
Video Encode (Local)
Field Name	Explanation
Encode Format	Only H.264 encoding format is supported
Resolution	Main stream: support 720P
resolution	Sub-stream: D1 (704 * 576)
Frame Rate	The larger the value is, the more coherent the video would be got; not
riaille Rate	
	recommend adjusted.



	VBR: Image quality is preferred, not recommended.	
Quality	Video quality adjustment, the better the quality needs to transfer faster	
Bit rate	It is proportional to video file size, not recommend adjusted.	
I Frame Interval	The greater the value is, the worse the video quality would be, otherwise the	
	better video quality would be; not recommend adjusted.	
Activate	When you selected it, the stream is enabled, otherwise disabled	
	Baseline: catch the packet for filtering H264, see H264 nal unit payload for	
Encoder static	Baseline profile	
setting	Main profile/High profile: see the H264 nal unit payload as Main profile/High	
	profile	
"Default" reverts to factory video configuration, and "submit" saves Settings		
Advanced Setting	gs	
	Sendonly: establish video call, and the SDP packet in the invite packet is	
Video Direction	Sendonly;	
Video Direction	Sendrecv: to create a call, the SDP package in the invite package is	
	Sendrecv	
RTSP Over TCP	The RTSP goes over the TCP protocol	
H.264 Payload	Set the h. 264 Payload type. The range is between 96 and 127. The default is	
Туре	117	
Default Call	Optional main stream and substream	
Stream	Optional main stream and substream	
Enable Onvif	Enable the ONVIF feature, and when enabled, discover the device via the	
	video recorder that supports ONVIF	
RTSP Information	on	
Main Stream Url	Access the main address of RTSP	
Sub Stream Url	Access the child address of RTSP	

Table 14 - Video Setting

9.18 EGS Setting & Intercom Setting >> MCAST

It is easy and convenient to use multicast function to send notice to each member of the multicast via setting the multicast key on the device and sending multicast RTP stream to pre-configured multicast address. By configuring monitoring multicast address on the device, monitor and play the RTP stream which sent by the multicast address.

Table 15 - MCAST 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	Two multicasts, regardless of who first calls in, the device will receive		
	the multicast with higher priority.		
Name	Listened multicast server name		
Host: port	Listened multicast server's multicast IP address and port.		

9.19 EGS Setting & Intercom Setting >> action URL

Action URL Event Settings

URL for various actions performed by the phone. These actions are recorded and sent as xml files to the server. Sample format is http://InternalServer /FileName.xml

Table 16 - action URL

Note! The operation URL is used by the IPPBX system to submit device events. Please refer to the details Fanvil Action URL.

http://www.fanvil.com/Uploads/Temp/download/20190122/5c46debfbde37.pdf

9.20 EGS Setting & Intercom Setting >> Time/Date

Users can configure the device's time Settings on this page.

Table 17 - Time/Date

Field Name	Explanation		
Network Time Server Settings			
Time Synchronized via SNTP	Enable time-sync through SNTP protocol		
Time Synchronized via	Fachle time symp through DUCD protected		
DHCP	Enable time-sync through DHCP protocol		
Primary Time Server	Set primary time server address		
	Set secondary time server address, when primary server is not		
Secondary Time Server	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		
Daylight Saving Time Settings			
Location	Select the user's time zone specific area		
DCT Cot Typo	Select automatic DST according to the preset rules of DST, or		
DST Set Type	the manually input rules		
Offset The DST offset time			



Month Start	The DST start month		
Week Start	The DST start week		
Weekday Start	The DST start weekday		
Hour Start	The DST start hour		
Month End	The DST end month		
Week End	The DST end week		
Weekday End	The DST end weekday		
Hour End	The DST end hour		
Manual Time Settings			
Manual Time Settings	The time set by hand, need to disable SNTP service first		

9.21 EGS Settings >> Trusted Certificates

The certificate management page uploads and deletes uploaded certificates.

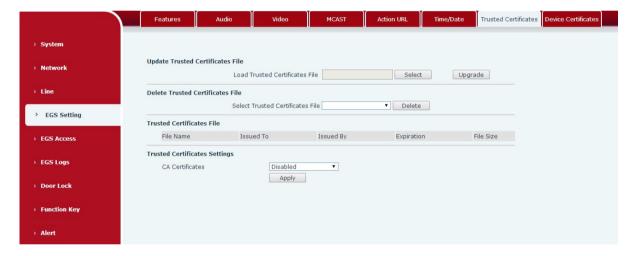


Figure 30 - Trusted Certificates

9.22 EGS Settings >> Device Certificates

Select the device certificate as the default and custom certificate.

You can upload and delete uploaded certificates.



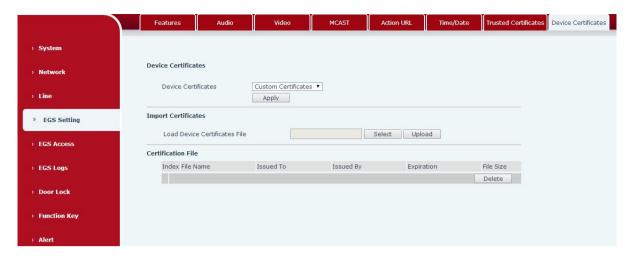


Figure 31 - Device Certificates

9.23 EGS Access

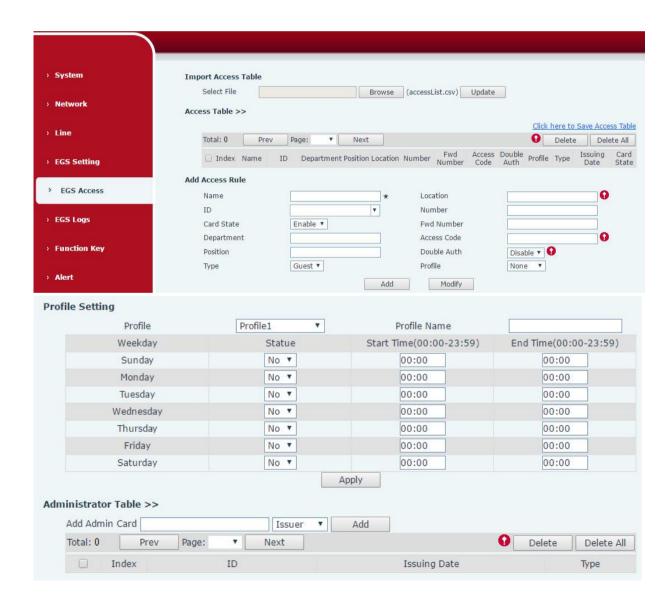




Figure 32 - EGS Access

Table 18 - EGS Access Parameter

EGS Access					
Field Name Explanation					
Import Access Table					
Click the <browse> to choose to import remote access list file (access List.csv) and then</browse>					
clicking <update> c</update>	an batch import remote access rule.				
Access Table					
_	nce guard access rules have been added, you can choose single or				
multiple rules on the	nis list to delete operation. Click " Click here to Save Access Table " to				
export the saved ac	cess list.				
Add Access Rule					
According to door p	hone access rules have been added, you can choose single or multiple				
rules on this list to o	delete operation.				
Name(necessary)	User name				
	When the speed dial is input, it will be mapped to the corresponding				
Location	number. The outgoing order is: the owner number (priority), the				
	forwarding number will be called if the owner number is busy or no				
	answer.				
ID	RFID card number. You can manually fill in the first 10 digits of the card				
	number or select the existing card number. e.g. 0004111806				
Number	User phone number				
Card State	Enable or disable holder's RFID card				
Fwd Number	Call forwarding number when above phone number is unavailable.				
Department	nt Card holder's department				
	When the door phone answers the call from the corresponding				
	<number> user, then the <number> user can input the access code via</number></number>				
Access Code	keypad to unlock the door remotely.				
	2. The user's private password should be input via keypad for local door				
	unlocking. The private password format is Location * Access Code.				
Position	Card holder's position				
Double Auth	When the feature is enabled, private password inputting and RFID				
	reading must be matched simultaneously for door unlocking.				
	Host: the door phone would answer all call automatically.				
Type	Guest: the door phone would ring for incoming call, if the auto answer is				
	disabled.				
Period The current user's access rule authentication is valid for the period of					



	use, and [None] is not limited for 24 hours.		
Add	After the relevant rules are disposed in the "Add Access Rules" sub-item,		
/ luu	click "Add" to complete the addition.		
	In the "Access Table", select the "Index" to be modified. After the relevant		
Modify	rules are disposed in the "Add Access Rule" sub-item, click "Modify" to		
	complete the modification.		
Profile Setting			
Profile	There are 4 sections for time profile configuration		
Profile Name	The name of profile to help administrator to remember the time definition		
Status	If it is yes, the time profile would be taken effect. Other time sections not		
Status	included in the profiles would not allow users to open door		
Start Time	The start time of section		
End Time	The end time of section		
Administrator Tal	ble		
	You should input the top 10 digits of RFID card numbers. for		
Add Admin Card	example, 0004111806, then select the type of admin card and click		
	<add>.</add>		
Type: Open/ Add/ [Delete.		
Open :Super admini	istrator card, the device can open the door through the super management		
card when the device cannot open due to software processing error or configuration read			
failure.			
When door phone is in normal working state, swipe card (issuing card) would make door			
phone into the issuing state, and then you can swipe a new card to add into the database;			
when you swipe the issuing card again after cards added done, door phone would return to			
normal state. Delete card operation is the same with issuing card.			
The device can sup	port up to 10 admin cards, 1000 copies of ordinary cards.		
Note: in the issuing	state, deleted eard by swiping is invalid		
	state, deleted card by swiping is invalid.		
	se: Shows the card ID, Issuing Date and Card Type		

9.24 EGS Logs

According to open event log, the device can record up to 200,000 pcs open events. New records will cover the oldest records once the records reaches the limit. Click here to Save Logs Right click on the links to select save target as the door log can export CSV format.





Figure 33 – EGS Logs

Table 19 - EGS Logs Parameter

Field	Evalenation			
Name	Explanation			
Door Open	Door Open Log			
Result	Show the results door open history (Succeeded or Failed)			
Time	The door open time.			
Access	If the door was opened by swipe card or remote unlocking door, the device			
Name	would display remote access name.			
	Open type: 1. Local, 2. Remote, 3. Card			
	Note: there are three kinds of card feedback results.			
Туре	Temporary Card (only added the card number, without adding other rules)			
	Valid Card (added access rules)			
	Illegal Card (the card not added in the door phone database)			



9.25 Door Lock

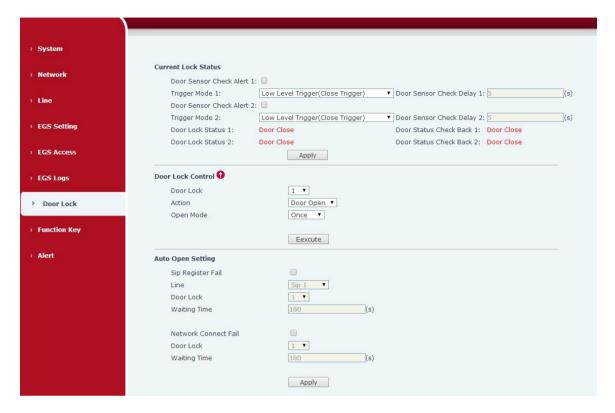


Figure 34 - Door Lock

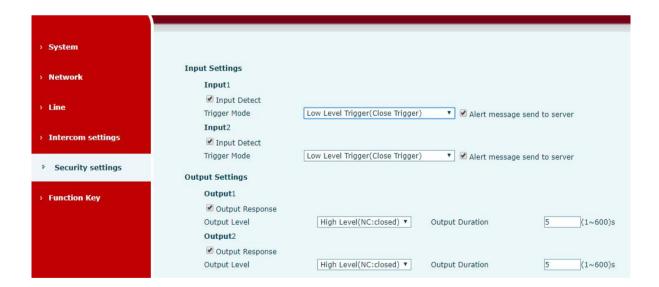
Table 20 - Door Lock Parameter

Field Name	Explanation			
Current lock Sta	Current lock Status			
Door Sensor	Enable/disable the door phone alarm. When the timeout period is			
Check Alert	enabled, the alarm will be triggered when the door status and the door			
Check Alert	lock status are inconsistent.			
	When choosing the low level trigger (closed trigger), detect the input port			
Trigger mede	(low level) closed trigger.			
Trigger mode	When choosing the high level trigger (disconnected trigger), detect the			
	input port (high level) disconnected trigger.			
Door Sensor	Door more tip data ation dalou time a patting			
Check Delay	Door magnetic detection delay time setting			
Lock Status	Door Close/Open			
Door Status	Deer Class (One)			
Check Back	Door Close/Open			



Door Lock Control			
Door Lock	Execute a door lock to open or close the door		
Action	Door Open/Close		
	Once: perform door opening action, and will be closed automatically		
Open mode	when timeout.		
Open mode	Continue: perform the door opening action, the door will not be closed		
	automatically and need to closed manually when timeout.		
Auto Open Setting			
SIP Register	When the SIP line registration fails, the door lock could be set to open		
Fail	automatically after the timeout period.		
Line	The Line could select line 1 / line 2 / all		
Door Lock	The door lock could select lock 1 / lock 2 / all lock		
Waiting Time	The door will be opened automatically when timeout. (unit: second)		
Network	When the network connection fails, the door lock could be set to be		
Connect Fail	opened automatically after the timeout period.		
Door Lock	The door lock could select lock 1 / lock 2 / all lock		
Waiting Time	Timeout time automatically opens the door, unit s		

9.26 Alert &Security Settings





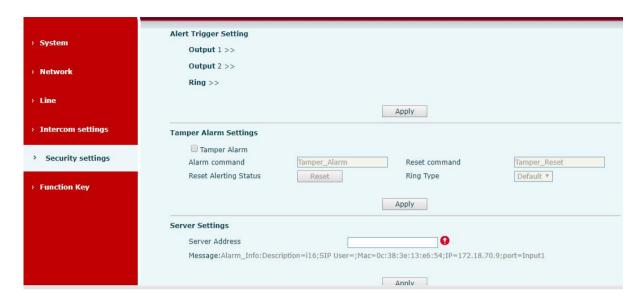


Figure 35 - Alert/Security Settings

Table 21 - Alert/Security Settings

Security Settings					
Field Name	Explanation				
Input setting	gs				
Input Detect	Enable or disable Input Detect				
	When choosing the low level trigger (closed trigger), detect the input port (low				
Trigger Mode	level) closed trigger.				
riiggei woue	When choosing the high level trigger (disconnected trigger), detect the input				
	port (high level) disconnected trigger.				
Alert					
message	Set the Alert message send to server				
sends to	Set the Alert message send to server				
server					
Output Sett	ings				
Output	Enable or disable Output Response				
Response	Enable of disable output Nesponse				
	When choosing the low level trigger (NO: normally open), when meet the				
Output Level	trigger condition, trigger the NO port disconnected.				
Output Level	When choosing the high level trigger (NO: normally close), when meet the				
	trigger condition, trigger the NO port close.				
Output	Changes in port, the duration of. The default is 5 seconds.				
Duration					
Alert Trigge	r Setting				
Alarm Ring	Set the Alarm Ring Duration. The default is 5 seconds.				



Duration						
In a set to a sec	When the inp	ut port meets the trigger condition, the output port will be triggered				
Input trigger	(The Port level time change, By < Output Duration > control)					
	Dy duration	Port switch amount change time, press <output duration=""></output>				
DTMF output	By duration	control				
Duration	By Calling	By call state control, after the end of the call, port to return the				
	State	default state				
Remote	Receive the DTMF password sent by the remote device. If it is correct, trigger					
DTMF trigger	the correspor	nding output port. You can choose to enable or disable ringtones				
DTMF trigger	During the ca	II, the receiving terminal device sends a DTMF password, and if it				
code	is correct, the	corresponding output port is triggered. The default is 1234.				
Remote SMS	Enable or dis	able remote SMS triggering. You can choose to enable or disable				
trigger	ringtones					
Trigger	Condinateust	ione on remote devices or convers ALEDT- lost instructional if				
Message	Send instructions on remote devices or servers, ALERT= [set instructions], if					
Format	correct, trigger the corresponding port output.					
	The port outp	uts a continuous time trigger type, including the trigger condition.				
	For example, the call triggers the output port, and the output port will be in the					
	call state and continue to respond)					
	1 Talking					
Call status	2 Talking and Ringing					
trigger	3 Ringing					
	4 Calling 5 Calling and Talking					
	6 Calling and	Ringing				
	7 Calling, Rin	ging and Talking				
Tamper Alar	m Settings					
Alarm	When detected someone tampering the equipment, the alarm signal will be					
command	sent to the corresponding server					
Reset	When the equipment receives the command of reset from server, the					
command	equipment will stop alarm					
Reset						
Alerting	Reset to resume and stop ringtone playback					
Status						
Ring Type	Ringtone can be set to none / preset					
Server Settings						
Server	Send message to the server when the alarm is triggered.					
Address	message format : Alarm Info: Description=i32V;SIP					



9.27 Function Key

> Key Event

The speed dial key type could be set as Key Event.

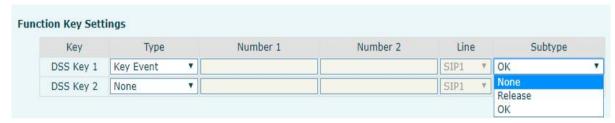


Figure 36 - Function Key Settings

Table 22 - Function Key Settings

Type	Subtype	Usage		
	None	No responding		
Key Event	Event Release Delete password input, cancel dialing			
		call		
	ОК	Identification key		

➤ Hot Key

When the speed dial key set as Hot Key, the device would dial preset telephone number. This button can also be used to set the IP address: you can press the speed dial button to directly make an IP call.

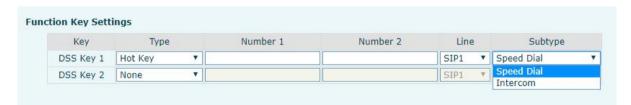


Figure 37 - Hot Key Settings

Table 23 - Hot Key Settings

Type	Number	Line	Subtype	Usage
	Fill the	The SIP	Speed Dial	Using Speed Dial mode together with
Hot	called	account		Enable Speed Dial Hangup Enable , can
Key	party's SIP	correspondi		define whether this call is allowed to be
	account or	ng lines		hung up by re-pressing the speed dial



IP address			key.
	Intercom	Intercom	In Intercom mode, if the caller's IP
			phone supports Intercom feature, the
		Intercom	device can automatically answer the
			Intercom calls

➤ Multicast

Multicast function is to deliver voice streams to configured multicast address; all equipment monitored the multicast address can receive and play the broadcasting. Using multicast functionality would make deliver voice one to multiple which are in the multicast group simply and conveniently.

The DSS Key multicast web configuration for calling party is as follow:

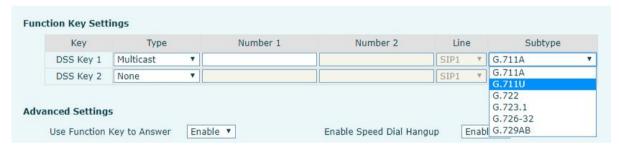


Figure 38 - Multicast Settings

Table 24 - Multicast Settings

Туре	Number	Subtype	Usage
	Set the host IP address and	G.711A	Narrowband speech coding (4Khz)
	port number, they must be	G.711U	
Multica	separated by a colon (The IP	G.722	Wideband speech coding (7Khz)
st	address range is 224.0.0.0 to	G.723.1	Narrowband speech coding (4Khz)
	239.255.255.255, and the	G.726-32	
	port number is preferably set	G.729AB	
	between 1024 and 65535)		

> Advanced Settings



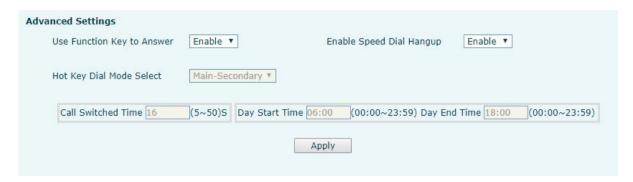


Figure 39 - Advanced Settings

Table 25 - Advanced Settings

Advanced Settings				
Field Name	Explanation			
Input port is				
multiplexed as	Enable or disable the input port to be multiplexed as speed dial button 2			
function key 2				
Use Function Key to	Enable or disable shortcuts to answer calls			
Answer				
Enable Speed Dial	Enable or disable shortcuts to hang up calls			
Hang up				
	Number 1 call number 2 mode selection.			
	<main secondary="">: If the first number is not answered within the set</main>			
Hot Key Dial Mode	time, the second number will be automatically switched.			
Select	<day night=""> : The system time is automatically detected during the call.</day>			
	If it is daytime, the first number is called, otherwise the second number			
	is called.			
Call Switched Time	Set number 1 to call number 2 time, default 16 seconds			
Day Chart Time	The start time of the day when the <day night=""> mode is defined.</day>			
Day Start Time	Default "06:00"			
Day Fad Time	The end time of the day when the <day night=""> mode is defined. Default</day>			
Day End Time	"18:00			



10 Trouble Shooting

When the device is not working properly, users can try the following methods to restore the device to normal operation or collect relevant information to send a problem report to the Fanvil technical support mailbox.

10.1 Get device system information

Users can obtain information through the [**System**] >> [**Information**] option on the device webpage. The following information will be provided:

Device information (model, software and hardware version) and Internet Information etc.

10.2 Reboot device

The user can restart the device through the webpage, click [System] >> [Tools] >> [Reboot Phone] and Click [Reboot] button, or directly unplug the power to restart the device.

10.3 Device factory reset

Restoring the factory settings will delete all configuration, database and configuration files on the device and the device will be restored to the factory default state.

To restore the factory settings, you need to log in to the webpage [System] >> [Configuration], and click [Reset] button, the device will return to the factory default state.

10.4 Network Packets Capture

In order to obtain the data packet of the device, the user needs to log in to the webpage of the device, open the webpage [System] >> [Tools], and click the [Start] option in the "Network Packets Capture". A message will pop up asking the user to save the captured file. At this time, the user can perform related operations, such as starting/deactivating the line or making a call, and clicking the [Stop] button on the webpage after completion. Network packets during the device are saved in a file. Users can analyze the packet or send it to the Fanvil Technical Support mailbox.

10.5 Common Trouble Cases



Table 26 - Common Trouble Cases

Trouble Case	Solution
Device could not boot up	If the device enters "POST mode" (the SIP/NET and function
	button indicators are always on), the device system is damaged.
	Please contact your location technical support to help you restore
	your equipment system.
	2. If the device enters "POST mode" (the SIP/NET and function
	button indicators are always on), the device system is damaged.
	Please contact your location technical support to help you restore
	your equipment system.
Device could not register to a	Please check if the device is connected to the network. The
service provider	network cable must be connected to the [Network] interface
	instead of the 💻 [Computer] interface.
	2. Please check if the device has an IP address. Check the system
	information. If the IP address is Negotiating, the device has not
	obtained an IP address. Please check if the network configuration is
	correct.
	3. If the network connection is good, please check your line
	configuration again. If all configurations are correct, contact your
	service provider for support, or follow the instructions in "10.4 Network
	Data Capture" to obtain a registered network packet and send it to the
	Fanvil Support Email to help analyze the issue.

Warning

The user manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.