



A10&A10W&A10-E&A10W-E User Manual

Software Version: 2.12 Release Date: 2023/4/25



Directory

| Directory | |
|---------------------------------------|----|
| 1 Picture | 3 |
| 2 Table | 5 |
| 3 Safety Instruction | 6 |
| 4 Overview | |
| 5 Install Guide | |
| 5.1 Use POE or External Power Adapter | |
| 5.2 Appendix | |
| 5.2.1 Common Command Modes | |
| 5.2.2 LED Status | 9 |
| 6 User Guide | |
| 6.1 Panel Overview | 10 |
| 6.2 Interface Description | |
| 6.3 Installation Instructions | 11 |
| 6.3.1 Installation | 11 |
| 6.3.2 Device IP Address | 12 |
| 6.4 WEB Configuration | 14 |
| 6.5 SIP Configurations | 14 |
| 6.6 Volume Setting | 15 |
| 7 Basic Function | 16 |
| 7.1 Making Calls | 16 |
| 7.2 Answering Calls | 16 |
| 7.3 End of the Call | 16 |
| 7.4 Auto Answer | 16 |
| 7.5 Call Waiting | 18 |
| 8 Advance Function | |
| 8.1 Intercom | 19 |
| 8.2 MCAST | 19 |
| 8.3 Hotspot | 21 |
| 9 Web Configurations | 23 |
| 9.1 Web Page Authentication | 23 |
| 9.2 System >> Information | 23 |
| 9.3 System >> Account | 24 |
| 9.4 System >> Configurations | 24 |



| | 9.5 System >> Upgrade | 25 |
|------|--------------------------------------|----|
| | 9.6 System >> Auto Provision | 27 |
| | 9.7 System >> FDMS | 31 |
| | 9.8 System >> Tools | 31 |
| | 9.9 System>>Reboot | 32 |
| | 9.10 Network >> Basic | 32 |
| | 9.11 Network >> WiFi | 34 |
| | 9.12 Network >> Service Port | 34 |
| | 9.13 Network>>VPN | 36 |
| | 9.14 Network >> Advanced | 38 |
| | 9.15 Line>> SIP | 39 |
| | 9.16 Line >> SIP Hotspot | 45 |
| | 9.17 Line >> Basic Settings | 45 |
| | 9.18 Line>>Action Plan | 46 |
| | 9.19 Settings >> Features | 47 |
| | 9.20 Settings >> Media Settings | 50 |
| | 9.21 Settings>>Camera Settings | 51 |
| | 9.22 Settings >> MCAST | 53 |
| | 9.23 Settings >> Action | 53 |
| | 9.24 Settings >> Time/Date | 53 |
| | 9.25 Settings>>Time plan | 55 |
| | 9.26 Settings >> Tone | 56 |
| | 9.27 Call list >> Call List | 57 |
| | 9.28 Call list >> Web Dial | 57 |
| | 9.29 Function Key | 58 |
| | 9.30 Security >> Web Filter | 63 |
| | 9.31 Security >> Trust Certificates | 63 |
| | 9.32 Security >> Device Certificates | 64 |
| | 9.33 Security >> Firewall | 65 |
| | 9.34 Device Log | 66 |
| | 9.35 Security Settings | 67 |
| 10 T | rouble Shooting | 70 |
| | 10.1 Get Device System Information | 70 |
| | 10.2 Reboot Device | 70 |
| | 10.3 Device Factory Reset | 70 |
| | 10.4 Network Packets Capture | 70 |
| | 10.5 Get Device Log | 71 |
| | 10.6 Common Trouble Cases | 71 |
| | | |



1 Picture

| Picture 1 - Panel | 10 |
|---|----|
| Picture 2 - Interface | 11 |
| Picture 3 - WEB Login | 14 |
| Picture 4 - SIP Line Configuration | 15 |
| Picture 5 - Volume Set | 15 |
| Picture 6 - Function Setting | 16 |
| Picture 7 - WEB line enable auto answer | 17 |
| Picture 8 - Enable auto answer for IP calls | 17 |
| Picture 9 - Call Waiting | 18 |
| Picture 10 - Call Waiting tone | 18 |
| Picture 11 - WEB Intercom | 19 |
| Picture 12 - MCAST | 20 |
| Picture 13 - SIP hotspot | 22 |
| Picture 14 - WEB Account | 24 |
| Picture 15 - System Setting | 24 |
| Picture 16 - Upgrade | 25 |
| Picture 17 - Web page firmware upgrade | 26 |
| Picture 18 - Auto provision settings | 28 |
| Picture 19 - FDMS | 31 |
| Picture 20 - Tools | 31 |
| Picture 21 - Network Basic Setting | 33 |
| Picture 22 - Service port setting interface | 35 |
| Picture 23 - Network VPN | 36 |
| Picture 24 - Network Setting | 38 |
| Picture 25 - SIP | 40 |
| Picture 26 - Basic Settings | 45 |
| Picture 27 - Line Basic Setting | 45 |
| Picture 28 - Action Plan | 46 |
| Picture 29 - Feature | 47 |
| Picture 30 - Media Settings | 50 |
| Picture 31 - Camera Settings | 52 |
| Picture 32 - Action URL | 53 |
| Picture 33 - Time/Date | 54 |
| Picture 34 - Time Plan | 55 |
| Picture 35 - Tone | 57 |
| Picture 36 - Webpage Dial | 58 |



| Picture 37 - Function Key | 59 |
|------------------------------------|----|
| picture 38 - A10&A10W Panel | 59 |
| Picture 39 - Memory Key | 61 |
| Picture 40 - Multicast | 62 |
| Picture 41 - Advanced Setting | 62 |
| Picture 42 - WEB filter | 63 |
| Picture 43 - Trust Certificates | 64 |
| Picture 44 - Device Certificates | 64 |
| Picture 45 - Firewall | 65 |
| Picture 46 - Firewall rules list | 66 |
| Picture 47 - Delete firewall rules | 66 |
| Picture 48 - Security Settings | 67 |



2 Table

| Table 1 - Common command mode | 8 |
|--|----|
| Table 2 - LED Status | 9 |
| Table 3 - Panel introduction | 10 |
| Table 4 - Interface | 11 |
| Table 5 - Configuration instructions | 13 |
| Table 6 - Intercom | 19 |
| Table 7 - MCAST | 20 |
| Table 8 - SIP Hotspot | 21 |
| Table 9 - Firmware upgrade | 26 |
| Table 10 - Auto Provision | 28 |
| Table 11 - FDMS | 31 |
| Table 12 - Network Basic Setting | 33 |
| Table 13 - Server Port | 35 |
| Table 14 - Network Setting | 38 |
| Table 15 - SIP | 40 |
| Table 16 - Line Basic Setting | 45 |
| Table 17 - Action Plan | 46 |
| Table 18 - Common device function Settings on the web page | 47 |
| Table 19 - Media Settings | 50 |
| Table 20 - Camera Settings | 52 |
| Table 21 - Action URL | 53 |
| Table 22 - Time/Date | 54 |
| Table 23 - Time Plan | 55 |
| Table 24 - A10&A10W Function key correspond topanel key | 59 |
| Table 25 - Function Key | 59 |
| Table 26 - Memory Key | 61 |
| Table 27 - Web Multicast | 62 |
| Table 28 - Web Firewall | 65 |
| Table 29 - Security Settings | 67 |

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 product-specified power adapter. If you need to use a power adapter provided by another manufacturer due to special circumstances, please confirm that the voltage and current of the provided adapter meet the specifications of this product, and it is recommended to use a product that has passed safety certification, otherwise it may cause fire or electric shock accidents. When using this product, do not damage the power cord, do not twist, stretch and strap it, and do not press it under heavy objects or sandwich between items, otherwise it may cause fire or electric shock caused by broken power cord.
- 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.
- Before using the product, please confirm that the temperature and humidity of the environment meet the working requirements of the product.
- 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

A10/A10W is a SIP mini intercom product specially developed for the needs of industry users, with small appearance and powerful functions, integrating intelligent security, audio/video intercom and broadcasting functions, cost-effective. Support wall-mounted installation/86 boxes embedded installation, the protection level meets IP54 standard, can effectively prevent dust and water repellent, suitable for indoor scenes, can provide users with high-quality communication intercom services.



5 Install Guide

5.1 Use POE or External Power Adapter

A10 & A10W, 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 both POE switch and external power adapter, A10 & A10W will get power supply from POE switch in priority, and change to external power adapter once the POE power supply 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

5.2.1 Common Command Modes

Table 1- Common command mode

| Action behavior | Description |
|---------------------|---|
| Standby report IP | In standby mode, long press the Call button for 3 seconds, there |
| | will be a toot sound will 5 seconds, please press the Call button |
| | once within 5 seconds, the toot sound will stop automatically |
| | reporting IP |
| | In the standby mode, long-press the Call button for 3 seconds and |
| Switch notwork | the beep will last for 5 seconds. Within 5 seconds, press Call |
| Switch network mode | button three times quickly to switch to the network mode. |
| | If there is no IP at present, switch to the default static IP |
| | (192.168.1.128). |



| Then switch to DHCP mode when it is the default static IP |
|--|
| (192.168.1.128) |
| When DHCP gets to IP, then do not switch and report the IP |
| directly. |
| Report the IP after the successful switch. |

5.2.2 LED Status

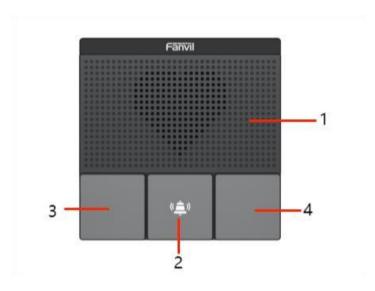
Table 2 - LED Status

| Туре | Indicator status | Indicator status |
|-----------|------------------|-------------------------------------|
| LED Light | Red slow flash | Registration failed,Network anomaly |
| | Green slow flash | Calling |



6 User Guide

6.1 Panel Overview



Picture 1 - Panel

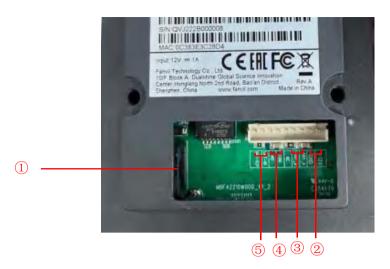
Table 3 - Panel introduction

| Number | Name | | Description | |
|---------------|-------------|----------|---|--|
| 1 | Speaker | | Play sound | |
| 2 | Call button | | For speed dial, multicast, intercom, IP broadcast and | |
| 2 Call button | | | other functions | |
| 2 4 | Reserved | function | Default from the course of the call have | |
| 3、4 | key | | Default function is the same as the call key | |

6.2 Interface Description

On the back of the device, there is a row of terminal blocks for connecting the power supply, indoor switches, etc., the connection is as follows:





Picture 2 - Interface

Table 4 - Interface

| SN | Description |
|-----|---|
| 1 | Ethernet interface: standard RJ45 interface, 10/100M adaptive, it is recommended to use five or five types of network cable |
| 2 | Power interface: 12V/1A input, UP-positive electrode, DOWN-negative electrode |
| 3 | RS485 interface |
| 4 | A set of short-circuit output interfaces |
| (5) | A set of short-circuit input interfaces |

6.3 Installation Instructions

6.3.1 Installation

1) Wall Mount: Attach the installation dimension drawing to the position to be installed, use the electric drill to punch the hole in the 2 screw holes marked, and use the hammer to drive the screw into the drilled hole.

Built-in: Attach the installation dimension drawing to the position to be installed, open a groove of the same size according to the size, use the electric drill to punch the hole in the 2 screw holes marked, and use the hammer to drive the screw into the drilled hole.

2) Remove the cover;



3) Wall Mount: Align the bottom case with the position of the screw hole that was previously punched on the wall, and screw in the two screws with a screwdriver to fix the bottom case to the wall;

Built-in: Place the bottom case into the previously opened groove and screw in the two screws with a screwdriver to secure the bottom case to the wall;

4) Test whether there is electricity by doing the following:

After the device boots up (about 30s), in standby mode, press and hold the Call button (the key with the serial number 2 in the <u>6.1 panel Overview</u>) for 3s, release the key immediately after the speaker beeps, and then press the Call button quickly within 5s (the same key as the above long press), and the device starts to broadcast IP. If the work is normal, continue with the next steps.

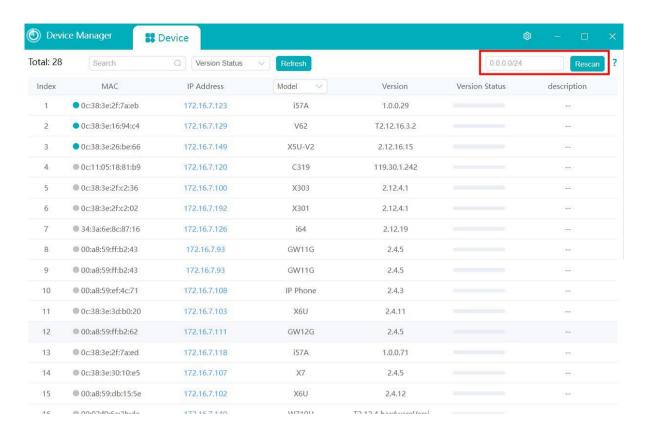
5) Cover the cover removed in step 2;

6.3.2 Device IP Address

Method one:

- 1. Go to the official website of Fanvil [Support] >> [Download Center] >> [Tools]>> [IPScanner] module,click and download the DeviceManager,
- 2. Open the IP scan tool, the tool supports LAN scan and cross network segment scan.
- 3. For LAN scanning:
- .Click the desktop icon, run the DeviceManager tool
- 4. Cross-segment scan: Fill in the cross-segment setting in the upper right corner of the page in the format of: IP address/mask. That is: IP address/N.





Method two:

After the device boots up (about 30s), in standby mode, press and hold the Call button (the key with the serial number 2 in the <u>6.1 panel Overview</u>) for 3s, release the key immediately after the speaker beeps, and then press the Call button quickly within 5s (the same key as the above long press), and the device starts to broadcast IP.

Method three:

After the device boots up (about 30s), in standby mode, press and hold the Call button (the key with serial number 2 in <u>6.1 panel Overview</u>) for 3 seconds, release the key immediately after the speaker beeps, and then press the Call button three times quickly within 5s (the same key as the above long press) to complete the operation. After successfully switching to dynamic IP, the system automatically announces the IP address by voice.

Table 5 - Configuration instructions

| Default configuration | | | | |
|-----------------------|---|-------------|---------------|--|
| DHCP mode | Default enable | Static IP | 192.168.1.128 | |
| Voice read IF | Long press the Call button for 3 seconds, | Server port | 80 | |
| address | press the Call button one times within 5 | | | |
| | seconds | | | |



6.4 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.xxx/ and you can see the login interface of the web page management.



Picture 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 <u>9 Web Configurations</u>

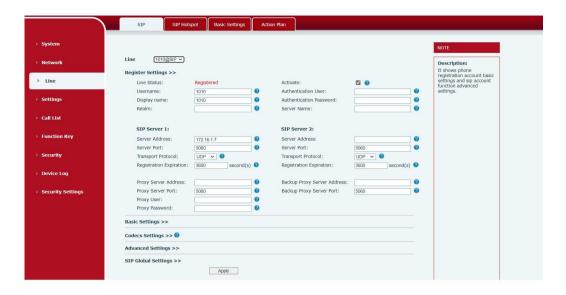
6.5 SIP Configurations

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:





Picture 4 - SIP Line Configuration

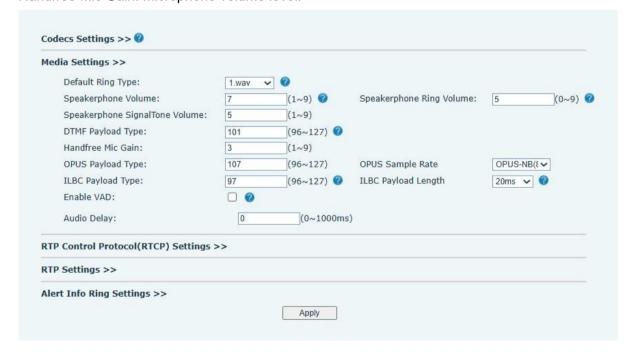
6.6 Volume Setting

Set the volume (if the speaker or microphone is not connected, you can skip it)

[Settings] >> [Media Settings] >> [Media Settings], as shown below, click [Apply].

Speakerphone Volume: Set the speaker output volume.

Handfree Mic Gain: microphone volume level.



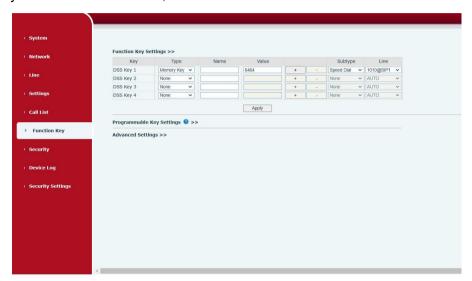
Picture 5- Volume Set



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:



Picture 6- Function Setting

See detailed configuration instructions 9.29 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

When there is a call, you can press the Call button or hang up the key to hang up the call, the Call button is set to end the call by default. See detailed configuration instructions <u>9.29 Function Key</u>.

7.4 Auto Answer

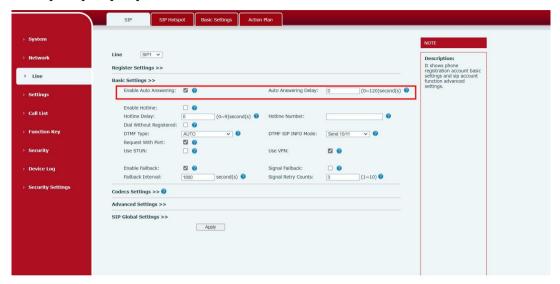
The user can turn off the auto-answer function (enabled by default) on the device webpage, and



the ring tone will be heard after the shutdown, and the auto-answer will not time out.

Web interface:

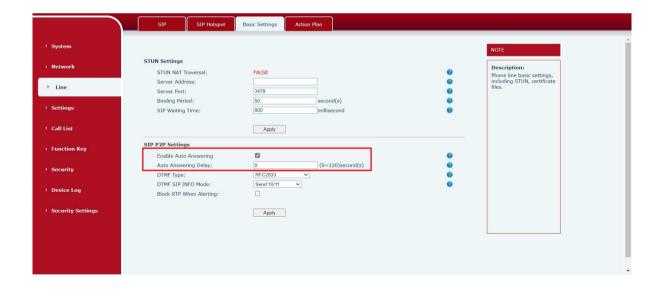
Enter [Line] >> [SIP], Enable auto answer and set auto answer time and click submit.



Picture 7 - WEB line enable auto answer

SIP P2P auto answering:

Enter [Line]>>[Basic settings], Enable auto answer and set auto answer time and click submit.



Picture 8- Enable auto answer for IP calls

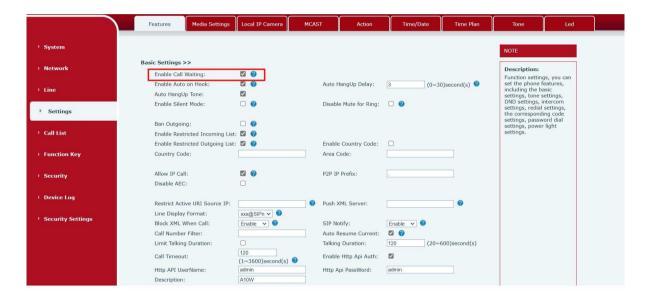
● Auto Answer Timeout (0~120)

The range can be set to 0~120s, and the call will be answered automatically when the timeout is set.

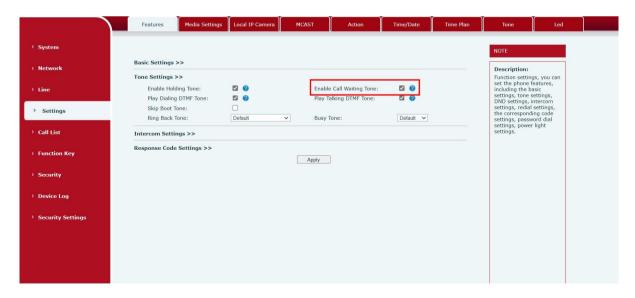


7.5 Call Waiting

- 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 [Settings] >> [Features], enable/disable call waiting, enable/disable call waiting tone.



Picture 9 - Call Waiting



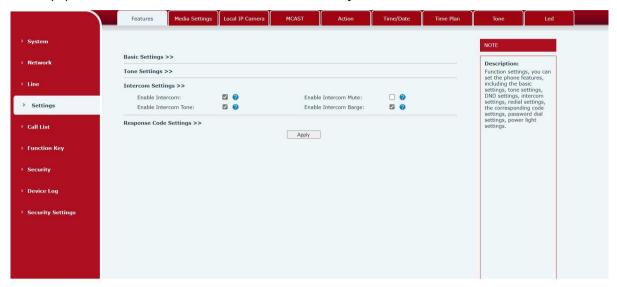
Picture 10 - Call Waiting tone



8 Advance Function

8.1 Intercom

The equipment can answer intercom calls automatically.



Picture 11 - WEB Intercom

Table 6- Intercom

| Parameters | Description |
|-----------------------|--|
| | When the intercom system is enabled, the device will accept |
| Enable Intercom | the SIP header call-info of the Call request |
| | Command automatic call |
| Enable Intercom Barge | If the option is enabled, device will answer the intercom call automatically while it is in a normal call, and it will reject new intercom call if there is already one intercome call |
| Enable Intercom Tone | Enable mute during intercom mode |
| Enable Intercom Mute | Enable mute mode during the intercom call |

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.



Picture 12 - MCAST

Table 7- MCAST

| Parameters | Description |
|----------------------------|---|
| Priority | Defines the priority in the current call, with 1 being the highest priority |
| | and 10 being the lowest. |
| Intercom Priority | The priority of the intercom call, 1 is the highest priority, 10 is the |
| | lowest, and the high priority can be inserted into the low priority |
| Enable Page Priority | Regardless of which of the two multicast groups is called in first, the |
| | device will receive the higher priority multicast first. |
| Enable Prio Chan | Once enabled, the same port and channel can only be connected. |
| | Channel 24 is the priority channel, higher than 1-23; A channel of 0 |
| | indicates that no channel is used |
| Enable Emer Chan | When enabled, channel 25 has the highest priority |
| Mcast Listening Renew Time | Set the wait time to renew to the multicast |

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 [Settings] >> [MCAST].
- Press the DSSKey of Multicast Key which you set.
- Receive end will receive multicast call and play multicast automatically.



MCAST Dynamic:

Description: send multicast configuration information through SIP notify signaling. After receiving the message, the device configures it to the system for multicast monitoring or cancels multicast monitoring in the system.

8.3 Hotspot

SIP hotspot is a simple utility. Its configuration is simple, which can realize the function of group vibration and expand thequantity 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 8 - SIP Hotspot

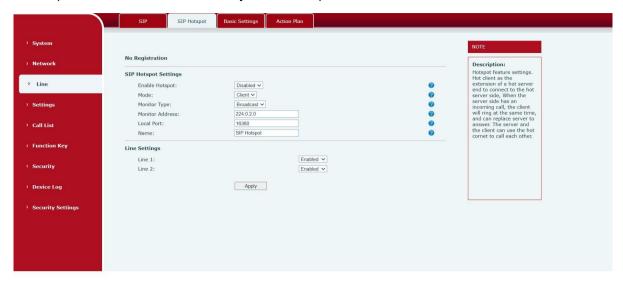
| Parameters | Description |
|----------------|---|
| Enable Hotspot | Enable or disable hotspot |
| Mode | This device can only be used as a client |
| Monitor Type | The monitoring type can be broadcast or multicast. If you want to restrict |
| | broadcast packets in the network, you can choose multicast. 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 |
| Local Port | It shows the Hotspot listening port.Enter the custom hotspot |
| | communication port. The ports of the server and client 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.



Picture 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,

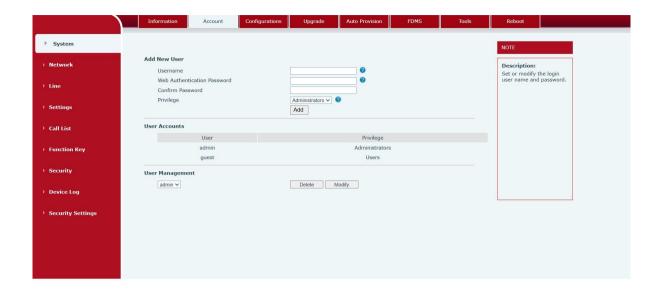
- Network Mode
- MAC Address
- IP
- Subnet Mask
- Default Gateway

Besides, summarization of SIP account status,

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



9.3 System >> Account



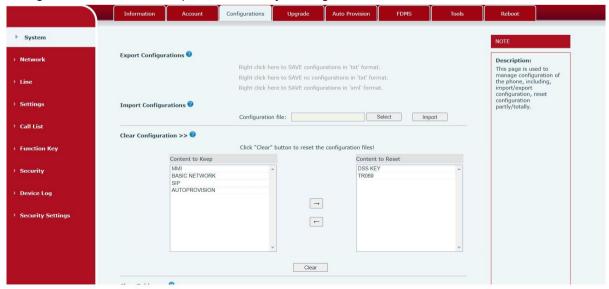
Picture 14- WEB Account

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

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



Picture 15 - System Setting



■ 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

■ 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

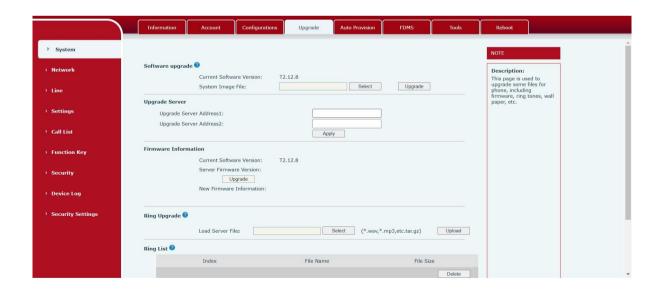
■ Clear Tables

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.

9.5 System >> Upgrade



Picture 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.

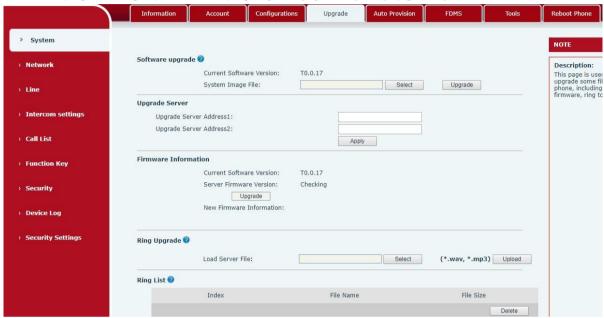


Click select, select the version and then click upgrade.

Upgrade the ringtone, support wav and MP3 format.

Firmware Upgrade:

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



Picture 17 - Web page firmware upgrade

Table 9- 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 |
| [Ungrada] button | 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 |



| information | the server side, the TXT and version information will be |
|-------------|--|
| | 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:



- 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

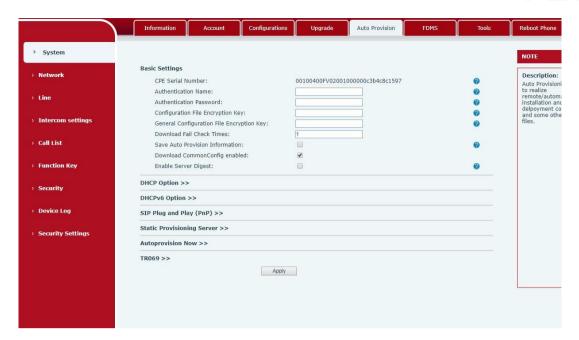
Xxxxx

 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.

9.6 System >> Auto Provision

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





Picture 18- Auto provision settings

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

Table 10- Auto Provision

| Auto provision | |
|-----------------------|--|
| Parameters | Description |
| Basic settings | |
| | Shows the current config file's version. If the version of the |
| | downloaded configuration file is same with this one, the |
| Current Configuration | configuration file will not be applied. If the device confirm the |
| Version | configuration by the Digest method, once the configuration of |
| | server is modified or the device's configurations are different from |
| | server's, the device will download and apply the configurations. |
| | Shows the common config file's version. If the version of the |
| | downloaded configuration file is same with this one, the |
| General | configuration file will not be applied. If the device confirm the |
| Configuration Version | configuration by the Digest method, once the configuration of |
| | server is modified or the device's configurations are different from |
| | server's, the device will download and apply the configurations. |
| CPE Serial Number | Serial number of the equipment |
| Authentication Name | Username for configuration server. Used for FTP/HTTP/HTTPS. |



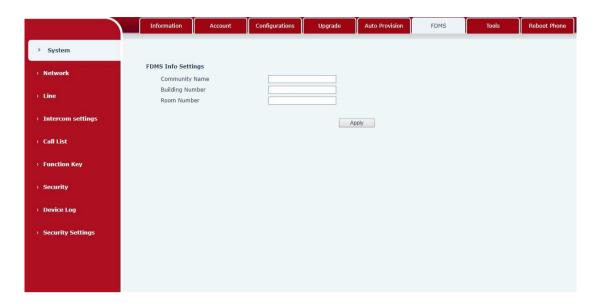
| | If this is blank the phone will use anonymous | |
|-------------------------|---|--|
| Authentication | Password for configuration server. Used for FTP/HTTP/HTTPS. | |
| Password | | |
| Configuration File | Encryption key for the configuration file | |
| Encryption Key | ,, , , , , , , , , , , , , , , , , , , | |
| General | | |
| Configuration File | Encryption key for common configuration file | |
| Encryption Key | | |
| Download Fail Ched | The default value is 5. If the download configuration fails, it will be | |
| Times | downloaded 5 times. | |
| Enable Get Digest | When the feature is enable, if the configuration of server is | |
| From Server | changed, phone will download and update. | |
| Download | | |
| CommonConfig | Set whether to enable downloading generic profiles | |
| enabled | | |
| Enable Server Dige | st computer digest by server before downloading | |
| Provision Config | Provision Config Priority | |
| Priority | 1 Tovision Coming Financy | |
| DHCP Option | | |
| Option Value | The equipment supports configuration from Option 43, Option 66, | |
| Option value | or a Custom DHCP Option. It may also be disabled. | |
| Custom Option Valu | Custom option number. Must be from 128 to 254. | |
| Enable DHCP Option 120 | Set the SIP server address through DHCP Option 120. | |
| DHCPv6 Option | | |
| Option Value | DHCP Option type for Auto Provisioning. | |
| O | When Option Value is selected as Custom Option, you can | |
| Custom Option Valu | customize the value of the Option, which ranges from 128~254 | |
| SIP Plug and Play (PnP) | | |
| | Whether enable PnP or not. If PnP is enable, phone will send a SIP | |
| Enable CID DaD | 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 | Jpdate Interval PnP message interval. | |
| | | |



| Static Provisioning | Statio Braviaionina Samor | |
|---------------------|---|--|
| Static Flovisioning | Static Provisioning Server | |
| Server Address | Set FTP/TFTP/HTTP server IP address for auto update. The 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 | |
| Undata Interval | Configuration file update interval time. As default it is 1, means | |
| Update Interval | phone will check the update every 1 hour. | |
| | Provision Mode. | |
| llo data Mada | 1. Disabled. | |
| Update Mode | 2. Update after reboot. | |
| | 3. Update after interval. | |
| Autoprovision Nov | N . | |
| TR069 | | |
| Enable TR069 | Enable TR069 after selection | |
| Enable TR069 | If TR069 is enabled, there will be a prompt tone when connecting. | |
| Warning Tone | | |
| 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) | |
| STUN | Fatan the CTUN address | |
| server address | Enter the STUN address | |
| Enable the STUN | Enable the STUN | |
| TLS Version | TLS Version | |
| INFORM Sending | TR069 message cycle. | |
| Period | Valid Value:1~9999 seconds. | |



9.7 System >> FDMS



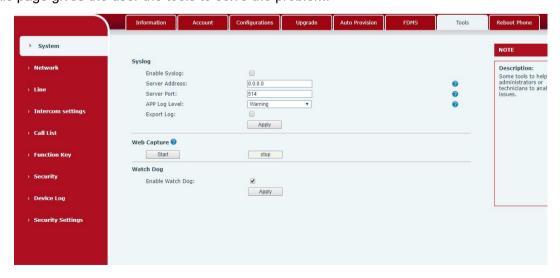
Picture 19 - FDMS

Table 11- FDMS

| FDMS info Settings | |
|--------------------|--|
| Community Number | Name of equipment installation community |
| Building Number | 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.

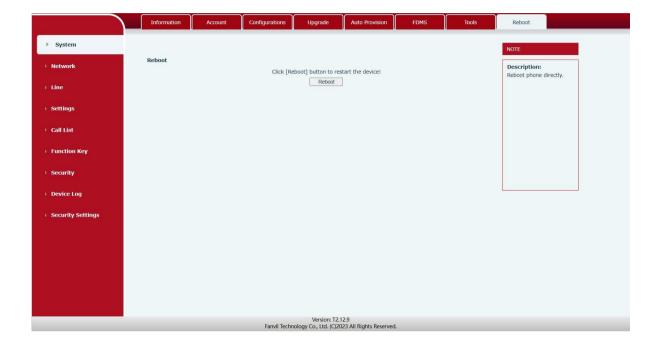


Picture 20 - Tools



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.

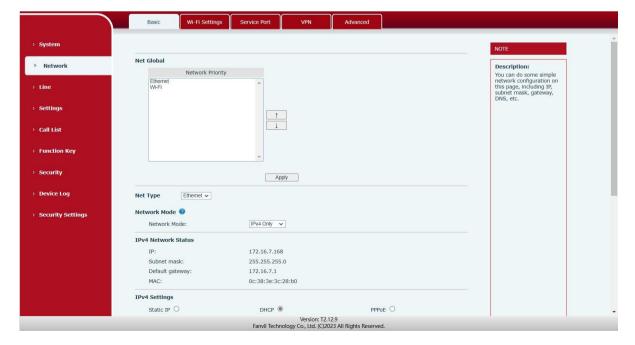
9.9 System>>Reboot



9.10 Network >> Basic

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

Note: WiFi is only supported on the A10W





Picture 21 - Network Basic Setting

Table 12 - Network Basic Setting

| Field Name | Explanation |
|--|--|
| Net Global | Set the network global mode to Ethernet or WiFi |
| Net Type | IPv4, IPv6, IPv4 and IPv6 three modes |
| IPv4 Network | |
| IP | The current IP address of the equipment |
| Subnet mask | The current Subnet Mask |
| Default gateway | The current Gateway IP address |
| MAC | The MAC address of the equipment |
| MAC Time stamp | Display the time when the device gets the MAC address |
| Settings | |
| Select the appropriate network mode. The equipment supports three network modes: | |
| Static IP | Network parameters must be entered manually and will not change. All parameters are provided by the ISP. |
| DHCP | Network parameters are provided automatically by a DHCP server. |
| PPPoE | Account and Password must be input manually. These are provided by your ISP. |
| If Static IP is c | chosen, the screen below will appear. Enter values provided by the ISP. |
| DHCP Hostname | Set the name that is displayed when DHCP scanning |
| DNS Server Configured by | Select the Configured mode of the DNS Server. |
| Primary DNS Server | Enter the server address of the Primary DNS. |
| Secondary DNS Server | Enter the server address of the Secondary DNS. |

attention:

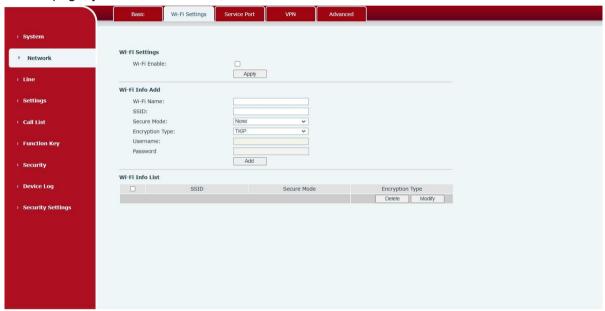
- 1) After setting the parameters, click 【Apply】 to take effect.
- 2) If you change the IP address, the webpage will no longer responds, please enter the new IP address in web browser to access the device.
- 3) If the system USES DHCP to obtain IP when device boots up, and the network



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

9.11 Network >> WiFi

On this page, you can turn on WiFi, add WiFi information, and view the list of wireless networks



9.12 Network >> Service Port

This page provides the settings of webpage login protocol, protocol port and RTP port.





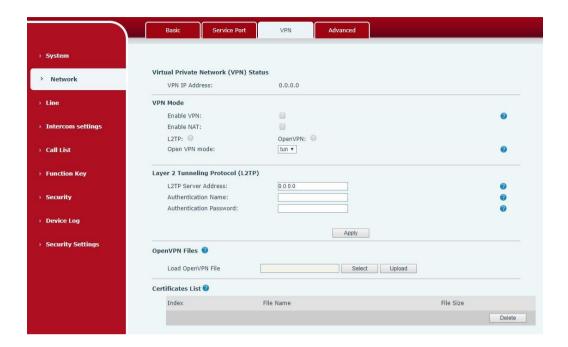
Picture 22- Service port setting interface

Table 13- Server Port

| Parameter | Description |
|----------------------|--|
| Web server type | Restart after setting takes effect. Optional web login as |
| | HTTP/HTTPS |
| Web login timeout | The default is 15 minutes, the timeout will automatically log out of |
| | the login page, and you need to log in again |
| Web page automatic | No need to enter the user name and password after the timeout, |
| login | it will automatically log in to the web page. |
| HTTP port | The default is 80, if you want system security, you can set other |
| | port |
| | Such as: 8080, web page login: HTTP://ip:8080 |
| HTTPS port | The default is 443, same as HTTP port usage |
| RTP port start range | The value range is 1025-65535. The value of rtp port starts from |
| | the initial value set. Each time a call is made, the value of the |
| | voice and video ports is increased by 2 |
| RTP port quantity | Number of calls |



9.13 Network>>VPN



Picture 23- Network 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

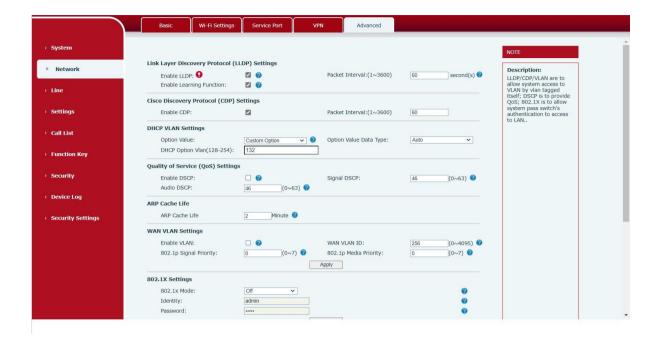
CA Root Certification: ca.crt
Client Certification: client.crt
Client Key: client.key

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.



9.14 Network >> Advanced



Picture 24 - Network Setting

Network advanced Settings are typically configured by IT administrators to improve the quality of device service.

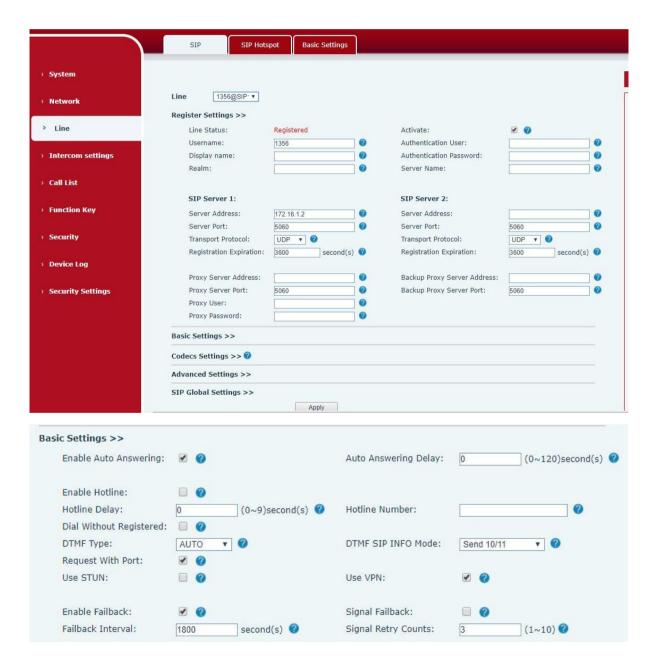
Table 14- Network Setting

| Field Name | Explanation |
|--------------------------|---|
| LLDP Settings | |
| Enable LLDP | Enable or disable LLDP |
| Packet Interval | LLDP Send detection cycle |
| Enable Learning Function | Learn the discovered device information on the device |
| QoS Settings | |
| Enable DSCP | Enable DSCP to get best offset QoS for voice quality. |
| Signal DSCP | DSCP value for SIP messages. |
| Audio DSCP | DSCP value for voice RTP data. |
| ARP Cache Life | Set ARP cache life. |
| DHCP VLAN Settings | |
| parameters values | 128-254, Obtain the VLAN value through DHCP |
| WAN port virtual Wan | |
| WAN port virtual Wan | WAN port Settings |
| LAN port virtual LAN | |



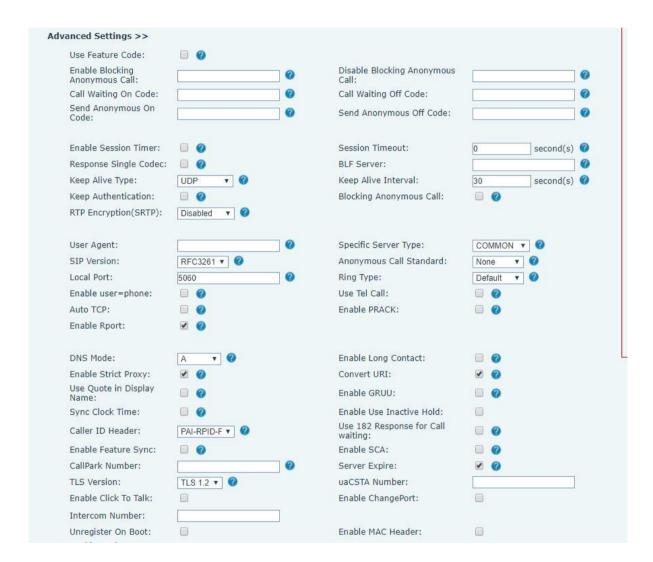
| LAN port virtual LAN | LAN port Settings |
|----------------------|--------------------------------|
| 802.1X | |
| Enable 802.1X | Enable or disable 802.1X |
| Username | Confirm Username |
| Password | Confirm Password |
| CA Certificate | CA certificate. |
| Device Certificate | device certificate. |
| Certification File | System's HTTPS server CA file. |

9.15 Line>> SIP









Picture 25- SIP

Table 15 - SIP

| 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. |
| Server Address | Enter the IP or FQDN address of the SIP server |



| Server Port | Enter the SIP server port, default is 5060 |
|---------------------------|--|
| Authentication User | Enter the authentication user of the service account |
| Authentication Password | Enter the authentication password of the service account |
| Username | Enter the username of the service account. |
| Display Name | Enter the display name to be sent in a call request. |
| Activate | Whether the service of the line should be activated |
| Realm | Enter the SIP domain if requested by the service provider |
| SIP Proxy Server Address | Enter the IP or FQDN address of the SIP proxy server |
| 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 | Enter the IP or FQDN address of the backup proxy server |
| Address | |
| 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 | Enable unconditional call forward, all incoming calls will be forwarded |
| Unconditional | to the number specified in the next field |
| Call Forward Number for | Set the number of unconditional call forward |
| Unconditional | |
| 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 | Set the number of call forward on busy |
| Busy | |
| Call Forward on No | Enable call forward on no answer, when an incoming call is not |
| Answer | answered within the configured delay time, the call will be forwarded to |
| | the number specified in the next field |
| Call Forward Number for | Set the number of call forward on no answer |
| No Answer | |
| Call Forward Delay for No | Set the delay time of not answered call before being forwarded |
| Answer | |
| 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 Server Subscribe Server Subscribe For Voice Message Server Voice Message Subscribe Period Enable device will receive notification from the server if there is voice message waiting on the server Voice Message Subscribe Period 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 Number 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 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 Registration Expiration Set the SIP expiration interval Use STUN Set the line to use VPN restrict route Set the line to use VPN restrict route Set the line to use STUN for NAT traversal Codec Settings Set the fire to use STUN for NAT traversal Set the fire to use STUN for NAT traversal Set the nabled 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 Disable Call Forward Unconditional Enable Call Forward on Busy Set the feature code to dial to the server | | |
|--|-------------------------|--|
| Subscribe For Voice Message Waiting notification, if enabled, the device will receive notification from the server if there is voice Message Number Voice Message Subscribe Set the number for retrieving voice message Waiting on the server Voice Message Subscribe Period Enable Hotline Enable Hotline Enable Hotline Delay Set the delay for hotline before the system automatically dialed it Hotline Number Set the hotline dialing number Set the hotline dialing number Set the DTMF type to be used for the line 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 Registration Expiration Set the line to use VPN restrict route Use VPN Set the line to use STUN for NAT traversal Codec 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 field. Enable DND Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | Server Conference | Set the conference room number when conference type is set to be |
| Message enabled, the device will receive notification from the server if there is voice Message Number Voice Message Subscribe Period 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 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 Registration Expiration Set the Iline to use VPN restrict route Use VPN Set the line to use STUN for NAT traversal Codec 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 bisable DND Set the feature code to dial to the server Disable DND Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Unconditional Disable Call Forward Unconditional Enable Call Forward on Set the feature code to dial to the server | Number | Server |
| Voice Message Number Voice Message Subscribe Period 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 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 "f" or "10" and "11" Enable DND Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec 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 to the server by dialing the number specified in each feature code field. Enable Call Forward Unconditional Disable Call Forward Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | Subscribe For Voice | Enable the device to subscribe a voice message waiting notification, if |
| Voice Message Number Voice Message Subscribe Period Enable Hottine Enable hottine 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 Hottine Delay Set the delay for hottine before the system automatically dialed it Hottine Number Set the hottine 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 to the server by dialing the number specified in each feature code to the server by dialing the number server Disable DND Set the feature code to dial to the server Enable Call Forward Unconditional Enable Call Forward on Set the feature code to dial to the server | Message | enabled, the device will receive notification from the server if there is |
| Voice Message Subscribe Period 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 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 Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 to the server by dialing the number specified in each feature code to the server by dialing the number specified in each feature code to the server Enable DND Set the feature code to dial to the server Enable Call Forward Unconditional Disable Call Forward Unconditional Enable Call Forward on Set the feature code to dial to the server | | voice message waiting on the server |
| Period 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 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. Enable Missed Call Log DTMF Type Set the DTMF type to be used for the line DTMF SIP INFO Mode Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Use VPN Set the SIP expiration interval Use STUN Set the line to use VPN restrict route Use STUN Codec 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 Enable Call Forward Unconditional Disable Call Forward OSEt the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | Voice Message Number | Set the number for retrieving voice message |
| 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward On Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | | Set the interval of voice message notification subscription |
| 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 DTMF Type Set the DTMF type to be used for the line DTMF SIP INFO Mode Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Enable Call Forward on Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | Enable Hotline | Enable hotline configuration, the device will dial to the specific number |
| Hotline Delay Set the delay for hotline before the system automatically dialed it Hotline Number Set the hotline dialing number Set the hotline dialing number Set the hotline dialing number Set the botline dialing number Set the 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 to the server bisable DND Set the feature code to dial to the server Enable Call Forward Unconditional Disable Call Forward on Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | | immediately at audio channel opened by off-hook handset or turn on |
| Hotline 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward on Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | | hands-free speaker or headphone |
| 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 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 Disable Call Forward Unconditional Disable Call Forward on Set the feature code to dial to the server | Hotline Delay | Set the delay for hotline before the system automatically dialed it |
| Enable Missed Call Log | Hotline Number | Set the hotline dialing number |
| 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 Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Disable Call Forward on Set the feature code to dial to the server Enable Call Forward on Set the feature code to dial to the server | Dial Without Registered | Set call out by proxy without registration |
| DTMF SIP INFO Mode Enable DND Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Use VPN Set the SIP expiration interval Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward on Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server Set the feature code to dial to the server | Enable Missed Call Log | If enabled, the phone will save missed calls into the call history record. |
| Enable DND Enable Do-not-disturb, any incoming call to this line will be rejected automatically Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | DTMF Type | Set the DTMF type to be used for the line |
| automatically Registration Expiration Set the SIP expiration interval Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | DTMF SIP INFO Mode | Set the SIP INFO mode to send '*' and '#' or '10' and '11' |
| Registration Expiration Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Unconditional Disable Call Forward Unconditional Enable Call Forward on Set the feature code to dial to the server | Enable DND | Enable Do-not-disturb, any incoming call to this line will be rejected |
| Use VPN Set the line to use VPN restrict route Use STUN Set the line to use STUN for NAT traversal Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Disable Call Forward on Set the feature code to dial to the server | | automatically |
| Use STUN Set the line to use STUN for NAT traversal Set the priority and availability of the codecs by adding or remove them from the list. 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 Enable Call Forward Unconditional Disable Call Forward on Set the feature code to dial to the server Enable Call Forward on Set the feature code to dial to the server | Registration Expiration | Set the SIP expiration interval |
| Codec Settings Set the priority and availability of the codecs by adding or remove them from the list. 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 Disable Call Forward on Set the feature code to dial to the server | Use VPN | Set the line to use VPN restrict route |
| Advanced Settings Use Feature Code | Use STUN | Set the line to use STUN for NAT traversal |
| 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 Disable Call Forward on Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Codec Settings | Set the priority and availability of the codecs by adding or remove them |
| 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 Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | | from the list. |
| 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 Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Advanced Settings | |
| 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 Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Use Feature Code | When this setting is enabled, the features in this section will not be |
| 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 Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | | handled by the device itself but by the server instead. In order to |
| 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 Set the feature code to dial to the server Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | | control the enabling of the features, the device will send feature code |
| Disable DND Set the feature code to dial to the server Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | | to the server by dialing the number specified in each feature code field. |
| Enable Call Forward Set the feature code to dial to the server Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Enable DND | Set the feature code to dial to the server |
| Unconditional Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Disable DND | Set the feature code to dial to the server |
| Disable Call Forward Set the feature code to dial to the server Unconditional Enable Call Forward on Set the feature code to dial to the server | Enable Call Forward | Set the feature code to dial to the server |
| Unconditional Enable Call Forward on Set the feature code to dial to the server | Unconditional | |
| Enable Call Forward on Set the feature code to dial to the server | Disable Call Forward | Set the feature code to dial to the server |
| | Unconditional | |
| Busy | Enable Call Forward on | Set the feature code to dial to the server |
| | Busy | |



| Disable Call Forward on Busy | Set the feature code to dial to the server |
|------------------------------|--|
| Enable Call Forward on | Set the feature code to dial to the server |
| No Answer | Set the reactive seas to that to the server |
| Disable Call Forward on | Set the feature code to dial to the server |
| No Answer | Set and readance dead to dian to the server |
| Enable Blocking | Set the feature code to dial to the server |
| Anonymous Call | |
| Disable Blocking | Set the feature code to dial to the server |
| Anonymous Call | |
| 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 | Set the feature code to dial to the server |
| Code | |
| Send Anonymous Off | Set the feature code to dial to the server |
| Code | |
| SIP Encryption | Enable SIP encryption such that SIP transmission will be encrypted |
| SIP Encryption Key | Set the pass phrase for SIP encryption |
| RTP Encryption | Enable RTP encryption such that RTP transmission will be encrypted |
| RTP Encryption Key | Set the pass phrase for RTP encryption |
| 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. |
| Keep Alive Type | Set the line to use dummy UDP or SIP OPTION packet to keep NAT |
| | pinhole opened |
| Keep Alive Interval | Set the keep alive packet transmitting interval |
| Keep Authentication | Keep the authentication parameters from previous authentication |
| Blocking Anonymous Call | Reject any incoming call without presenting caller ID |
| User Agent | Set the user agent, the default is Model with Software Version. |
| Specific Server Type | Set the line to collaborate with specific server type |
| SIP Version | Set the SIP version |
| Anonymous Call Standard | Set the standard to be used for anonymous |
| 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 1500 bytes |
| Transport Protocol | Set the line to use TCP or UDP for SIP transmission |
| Enable Rport | Set the line to add rport in SIP headers |
| Enable PRACK | Set the line to support PRACK SIP message |
| DNS Mode | Select DNS mode, A, SRV, NAPTR |
| Enable Long Contact | Allow more parameters in contact field per RFC 3840 |
| Enable Strict Proxy | Enables the use of strict routing. When the phone receives packets |
| | from the server, it will use the source IP address, not the address in via |
| | field. |
| Convert URI | Convert not digit and alphabet characters to %hh hex code |
| Use Quote in Display | Whether to add quote in display name, i.e. "Fanvil" vs Fanvil |
| Name | |
| Enable GRUU | Support Globally Routable User-Agent URI (GRUU) |
| Sync Clock Time | Time Sycn with server |
| Caller ID Header | Set the Caller ID Header |
| Use 182 Response for | Set the device to use 182 response code at call waiting response |
| Call waiting | |
| 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 sever does not support subscription |
| | package, the registered server and subscription server will be |
| Frable Frature Core | separated. |
| Enable Feature Sync | Feature Sycn with server |
| Enable SCA | Enable/Disable SCA (Shared Call Appearance) |
| CallPark Number | Set the callPark number |
| Server Expire | Chagas TI S Vargion |
| TLS Version | Choose TLS Version |
| PTime(ms) Transaction Timer T1 | Set whether to bring ptime field, default no. Configure the duration of SIR transaction timer T1 |
| | Configure the duration of SIP transaction timer T1 |
| Transaction Timer T2 | Configure the duration of SIP transaction timer T2 |
| Transaction Timer T4 | Configure the duration of SIP transaction timer T4 |



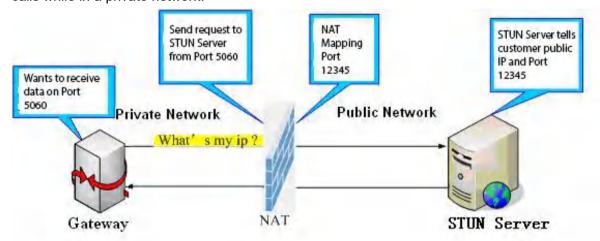
9.16 Line >> SIP Hotspot

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.

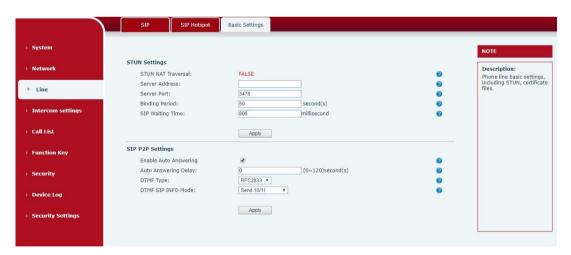
See 8.3 Hotspot for details.

9.17 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.



Picture 26- Basic Settings



Picture 27 - Line Basic Setting

Table 16- Line Basic Setting

| Parameters | Description |
|---------------|-------------|
| STUN Settings | |

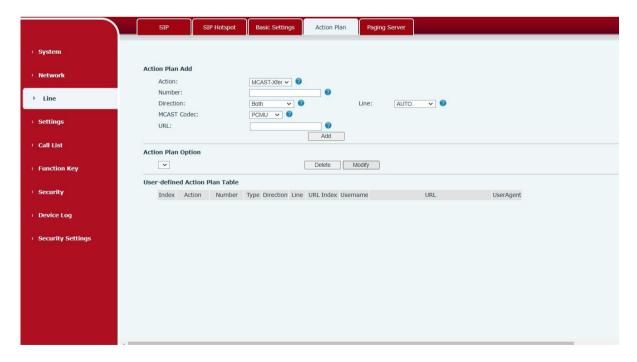


| Server Address | Set the STUN server address |
|------------------|--|
| Server Port | Set the STUN server port, default is 3478 |
| Binding Period | Set the STUN binding period which can be used to keep the NAT |
| | pinhole opened. |
| SIP Waiting Time | Set the timeout of STUN binding before sending SIP messages |
| SIP P2P Settings | |
| Enable Auto | Automatically answer incoming IP calls after the timeout period is |
| Answering | enabled |
| Auto Answering | Automatic answer timeout setting |
| Delay | |
| DTMF Type | Set the DTMF type of the line. |
| DTMF SIP INFO | Set SIP INFO mode to send '*' and '#' or '10' and '11' |
| Mode | |

9.18 Line>>Action Plan

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

Log in to the device web, visit [Line] >[Action Plan], and configure action plan rules.



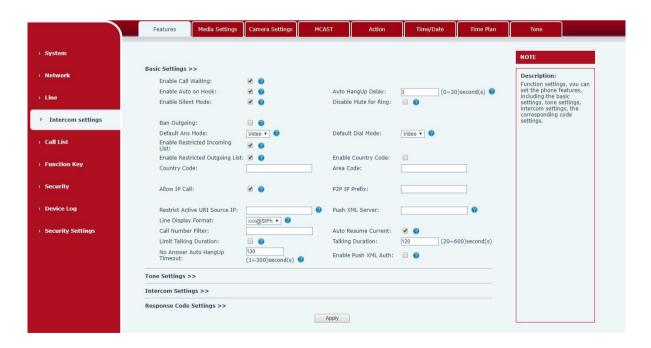
Picture 28 - Action Plan

Table 17 - Action Plan



| Parameters | Description | |
|------------|--|--|
| | Convert multicast: When the rule is triggered, the phone converts | |
| Action | incoming calls or multicast to multicast and sends them to the set | |
| | multicast address port. | |
| | The calling number corresponding to each Action Plan; The same | |
| | number expression as the dial plan is supported | |
| Number | 123; 1xx; 1.; 1[3,5,7,8]xxxxxxxxx; 5753[5-6]xxxx | |
| Number | X means any bit match; | |
| | Indicates any bit matching; | |
| | [] represents a matching rule corresponding to a certain bit; | |
| Line | The selected rule corresponds to the matching SIP line | |
| | The behavior of the corresponding configuration rule is handled | |
| Direction | Both: trigger both incoming and outgoing calls at the same time; | |
| C | Outgoing call: Triggered when outbound calling: | |
| | Incoming call: triggered when inbound call; | |
| MCAST | Set MCAST Codec | |
| Codec | Set IVICAS I Codec | |
| MCAST URL | The URL corresponding to the action plan | |

9.19 Settings >> Features



Picture 29 - Feature

Table 18- Common device function Settings on the web page



| 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 Auto on Hook | The device will hang up and return to the idle automatically at hands-freemode. |
| Auto HangUp Delay | Specify Auto Onhook time, the device will hang up and return to the idleautomatically after Auto Hand down time at hands-free mode, and playdial tone Auto Onhook time at handset mode. |
| Auto HangUp Tone | Enable auto hang up tone to play tone after peer hangs up |
| 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 not mute the phone. |
| Ban Outgoing | If you select Ban Outgoing to enable it, and you cannot dial out any number. |
| Enable Restricted Incoming List | Whether enable Restricted Incoming List |
| Enable Restricted Outgoing List | Wether enable Restricted Outgoing List |
| Enable country Code | Wether enable country Code |
| Country Code | Country Code |
| Area Code | Area Code |
| Allow IP Call | If enabled, user can dial out with IP address |
| P2P IP Prefix | You can set IP call prefix,for example,i set it as "172.16.2.",then i input |
| | #160 in dialpad and press dial key ,it will call 172.16.2.160 automatically |
| Disable AEC | Enable or disable AEC functionality |
| Restrict Active URI | Set the device to accept Active URI command from specific IP address. |
| Source IP | |
| Push XML Server | 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. |
| Line Display Format | Line display format including SIPn/SIPn: xxx/xxx@SIPn |
| Block XML When Call | Blocked Push XML When Call |
| SIP Notify | when enabled, when the phone receives relevant notify content, the corresponding information will be displayed. |
| Call Number Filter | Configure a special character & ,if the number is 78 & 9. The call will be filtered out& |
| Auto Resume Current | If the current path changes, the hold will be automatically resume |

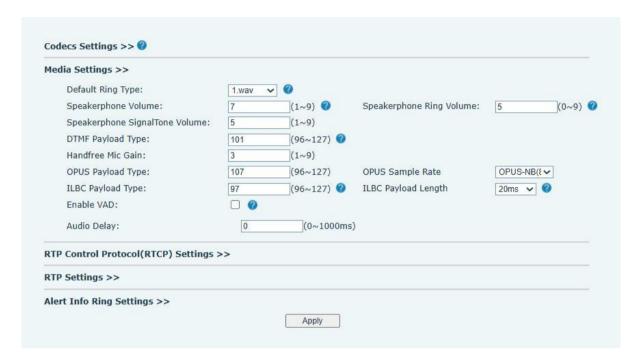


| Limit Talking Duration Automatically hang up the call after enabling the time set for the call Talking Duration Call duration ,20-600s Call Timeout The remote phone does not answer within the time, the local automatically hangs up No Answer Auto HangUp Timeout If the call is not answered, the call will be automatically hung up after the timeout Enable Push XML Auth To enable push xml auth, user password is required Tone Settings When turned on, a tone plays when the call is held Enable Call Waiting Tone When turned on, a tone plays when call waiting Play Dialing DTMF Tone When turned on, a tone plays when call waiting Play Day Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API password Description Sets the description information displayed Tone Settings Tone Settings Table Call Waiting Tone whether enable call holding tone. Enable Olding Tone whether enable call waiting tone. Play DTMF Tone Play DTMF tone on th | | |
|---|--------------------------|---|
| The remote phone does not answer within the time, the local automatically hangs up No Answer Auto HangUp If the call is not answered, the call will be automatically hung up after the timeout Enable Push XML Auth To enable push xml auth, user password is required Tone Settings Enable Holding Tone When turned on, a tone plays when the call is held Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http APi UserName Set the Http APi username Http Api PassWord Set the HTTP API password Description Setsings Enable Holding Tone whether enable call holding tone. Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play PassWord Set the HTTP API password Description Settings Enable Call Waiting Tone whether enable call holding tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Whether enable call waiting tone. Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled When the user hangs up at the end of the call, use the custom-set wake tone When the user hangs up at the end of the call, use the custom-set wake tone Uhercom Settings Enable Intercom Mute Enable mute mode during the intercom call Finable Intercom Hute Enable mute mode during the intercom call Enable Intercom Barge Enable Intercom Barge Enable Intercom Barge Enable Intercom Call, the phone auto answers the intercom call timercom call the phone | Limit Talking Duration | Automatically hang up the call after enabling the time set for the call |
| Call Timeout automatically hangs up No Answer Auto HangUp Timeout Enable Push XML Auth To enable push xml auth, user password is required Tone Settings Enable Holding Tone When turned on, a tone plays when the call is held Enable Call Waiting Tone Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Http API UserName Set the Http API username Http API UserName Sets the description information displayed Tone Settings Enable Holding Tone Whether enable call holding tone. Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Play Talking DTMF Tone Settings Finable Holding Tone Whether enable call holding tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable Intercom Barge Enable Intercom Call, the phone auto answers the intercom call during a call. If the current call is intercom call, the phone | Talking Duration | Call duration ,20-600s |
| Automatically hangs up If the call is not answered, the call will be automatically hung up after the timeout Enable Push XML Auth To enable push xml auth, user password is required Tone Settings Enable Holding Tone Enable Call Waiting Tone When turned on, a tone plays when the call is held When turned on, a tone plays when call waiting Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable Http Api Username Http Api PassWord Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable Intercom Barge Enable Intercom Barge Enable Intercom Barge Enable Intercom Barge Enable Intercom Call, the phone auto answers the intercom call tire phone | Call Times and | The remote phone does not answer within the time, the local |
| Timeout timeout Enable Push XML Auth To enable push xml auth, user password is required Tone Settings Enable Holding Tone When turned on, a tone plays when the call is held Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API password Description Sest the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Play Dassword Set the Http API password Description Sest the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Play Dailing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings Enable Intercom Mute Enable mute mode during the intercom call Enable Intercom Mute Enable mute mode during the intercom call 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 | Call Timeout | automatically hangs up |
| Enable Push XML Auth To enable push xml auth, user password is required Tone Settings Enable Holding Tone When turned on, a tone plays when the call is held When turned on, a tone plays when call waiting Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable Http Api authentication push xml Http API UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone Whether enable call holding tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable Intercom Barge 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 | No Answer Auto HangUp | If the call is not answered, the call will be automatically hung up after the |
| Tone Settings Enable Holding Tone When turned on, a tone plays when the call is held Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings Enable Intercom Mute Enable mute mode during the intercom call Enable Intercom Barge Enable Intercom Barge Enable Intercom Barge Enable Intercom Barge Enable Intercom Call, the phone auto answers the intercom call during a call. If the current call is intercom call, the phone | Timeout | timeout |
| Enable Holding Tone When turned on, a tone plays when the call is held Enable Call Waiting Tone When turned on, a tone plays when call waiting Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Setstings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digital taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings Enable Intercom Mute Enable mute mode during the intercom call 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 | Enable Push XML Auth | To enable push xml auth, user password is required |
| Enable Call Waiting Tone Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API username Http Api PassWord Description Sets the description information displayed Tone Settings Enable Holding Tone Whether enable call holding tone. Play Dalling DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Tone Enable Intercom Barge Enable Intercom call during a call. If the current call is intercom call, the phone | Tone Settings | |
| Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digits at dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http Api PassWord Set the Http Api username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call 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 | Enable Holding Tone | When turned on, a tone plays when the call is held |
| dialing, default enabled. Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http API UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone Whether enable call holding tone. Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 | Enable Call Waiting Tone | When turned on, a tone plays when call waiting |
| Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digits during taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http Api UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call Enable Intercom Barge Enable Intercom Barge 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 | Play Dialing DTMF Tone | Play DTMF tone on the device when user pressed a phone digits at |
| taking, default enabled. Enable Http Api Auth Enable HttpApi authentication push xml Http Api UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call Enable Intercom Barge Enable Intercom call, the phone auto answers the intercom call during a call. If the current call is intercom call, the phone | | dialing, default enabled. |
| Enable Http Api Auth Http API UserName Set the Http API username Http Api PassWord Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone Whether enable call holding tone. Enable Call Waiting Tone Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable Intercom Tone If the incoming call is intercom call, the phone plays the intercom tone Enable Intercom Barge Enable Intercom Barge Enable Intercom Call during a call. If the current call is intercom call, the phone | Play Talking DTMF Tone | Play DTMF tone on the device when user pressed a phone digits during |
| Http API UserName Set the Http API username Set the HTTP API password Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call 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 | | taking, default enabled. |
| Http Api PassWord Description Sets the description information displayed Tone Settings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call. 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 | Enable Http Api Auth | Enable HttpApi authentication push xml |
| Tone Settings Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call 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 | Http API UserName | Set the Http API username |
| Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute Enable mute mode during the intercom call 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 | Http Api PassWord | Set the HTTP API password |
| Enable Holding Tone whether enable call holding tone. Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | Description | Sets the description information displayed |
| Enable Call Waiting Tone whether enable call waiting tone. Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | Tone Settings | |
| Play Dialing DTMF Tone Play DTMF tone on the device when user pressed a phone digit at dialing, default enabled Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | Enable Holding Tone | whether enable call holding tone. |
| Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | Enable Call Waiting Tone | whether enable call waiting tone. |
| Play Talking DTMF Tone Play DTMF tone on the device when user pressed a phone digitsduring taking, default enabled Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | Play Dialing DTMF Tone | Play DTMF tone on the device when user pressed a phone digit at |
| Ring Back Tone When the user is on a call, use a custom-set ringback tone Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 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 | | dialing, default enabled |
| Ring Back Tone When the user is on a call, use a custom-set ringback tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute 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 | Play Talking DTMF Tone | Play DTMF tone on the device when user pressed a phone digitsduring |
| Busy Tone When the user hangs up at the end of the call, use the custom-set wake tone Intercom Settings 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 Mute 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 | | taking, default enabled |
| Intercom Settings 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 Mute 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 | Ring Back Tone | When the user is on a call, use a custom-set ringback tone |
| 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 Mute 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 | Busy Tone | When the user hangs up at the end of the call, use the custom-set wake |
| 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 Mute 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 | | tone |
| 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 | Intercom Settings | |
| answer the call after specific delay. Enable Intercom Mute 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 | Enable Intercom | When intercom is enabled, the device will accept the incoming call |
| Enable Intercom Mute 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 | | request with a SIP header of Alert-Info instruction to automatically |
| 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 | | answer the call after specific delay. |
| 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 | Enable Intercom Mute | Enable mute mode during the intercom call |
| intercom call during a call. If the current call is intercom call, the phone | 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 |
| will reject the second intercom call | | intercom call during a call. If the current call is intercom call, the phone |
| | | will reject the second intercom call |



| Response Code Settings | |
|------------------------|---|
| Busy Response Code | Set the SIP response code on line busy |
| Reject Response Code | Set the SIP response code on call rejection |

9.20 Settings >> Media Settings



Picture 30- Media Settings

Table 19- Media Settings

| Parameters | Description |
|--------------------------|---|
| Codecs Settings | Select the enabled and disabled voice codecs |
| | codec:G.711A/U,G.722,G.723,G.729AB,G.726-32, |
| | ILBC,opus |
| Audio Settings | |
| Default Ring Type | Set the default ring type. If the caller ID of an incoming call |
| | was not configured with specific ring type, the default ring |
| | will be used. |
| Speakerphone Volume | Set the speakerphone volume, the value must be 1~9 |
| Speakerphone Ring Volume | Set the ring volume in the speakerphone, the value must |
| | be 0~9 |
| Speakerphone SignalTone | Set the SignalTone Volume in the speakerphone, the |
| Volume | value must be 1~9 |
| DTMF Payload Type | Enter the DTMF payload type, the value must be 96~127. |

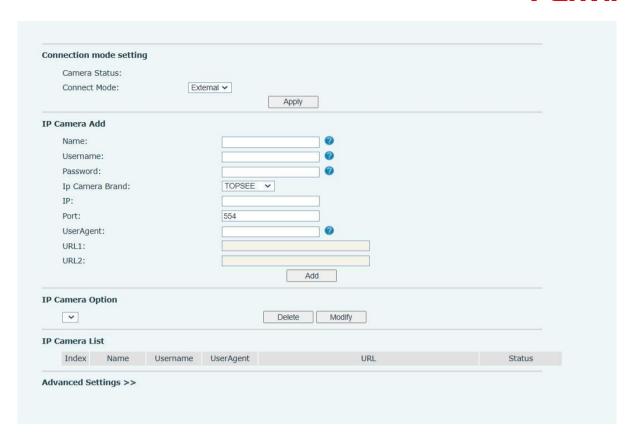


| Handfree Mic Gain | Set Handfree Mic Gain, the value must be 1~9 |
|---------------------------------------|---|
| Opus playload type | Enter the opus payload type, the value must be 96~127. |
| | Set the opus sample rate,including OPUS-NB(8KHz), |
| OPUS Sample Rate | OPUS-WB (16KHz) |
| | |
| ILBC Payload Type | Set the ILBC Payload Type |
| ILBC Payload Length | Set the ILBC Payload Length |
| Enable VAD | Enable Voice Activity Detection. When enabled, the |
| | device will suppress the audio transmission with artificial |
| | comfort noise signal to save the bandwidth. |
| Audio Delay | When multicast is enabled, set the delay time for audio |
| | playback to facilitate audio playback by multiple devices. |
| RTP Control Protocol(RTC | P) Settings |
| CNAME user | Set the CNAME user |
| CNAME host | Set the CNAME host |
| RTP | |
| RTP keep alive | Keep talking, send a packet 30 seconds after enable it |
| Alert Info Ring Settings (alert-info) | |
| Value of notification | Set the value of the specified ring type |
| message 1 to 10 | |
| ring type | The ring type |
| · | |

9.21 Settings>>Camera Settings

Customers can use it to configure camera-related parameters and adjust video encoding related settings.





Picture 31- Camera Settings

Table 20- Camera Settings

| Parameters | Description | |
|-------------------------|---|--|
| Connection mode setting | | |
| Camera Status | | |
| Connect Mode | Set the connection mode of the camera, only external cameras are | |
| Connect wode | supported | |
| IP Camera Add | | |
| Name | Set the camera name | |
| Username | The username that is authenticated when accessing the URL | |
| Password | The password that is authenticated when accessing the URL | |
| Ip Camera Brand | Set the camera brand | |
| IP | Set the IP address of the camera | |
| Port | Set the port for the camera | |
| UserAgent | The user agent parameter that is carried when accessing the URL | |
| IP Camera List | | |
| Video Direction | Set the video direction to Send Only, Receive Only, or Send and Receive | |
| H.264 Payload | Set the H 264 lead type | |
| Туре | Set the H.264 load type | |



9.22 Settings >> 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.

The detail for 8.2 MCAST

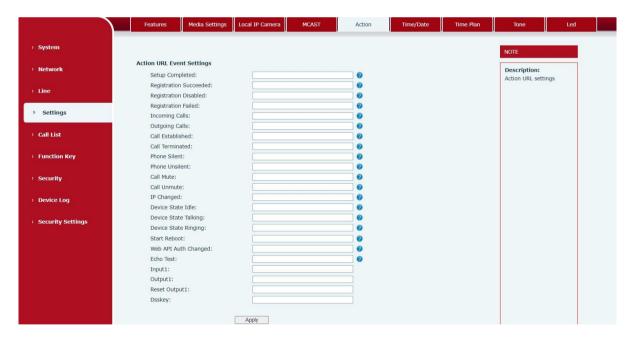
9.23 Settings >> Action

Table 21- Action URL

Action URL Event Settings

Set URL for the device to report its action to server. These actions are recorded and sent as xml files to the server. Sample format is http://InternalServer /FileName.xml.

(Internal Server: The IP address of server; File Name: the device's xml file used to report action.)

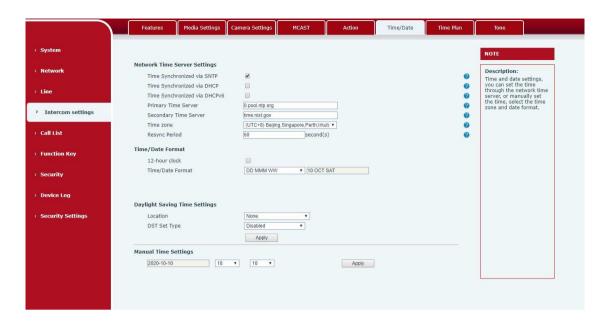


Picture 32- Action URL

9.24 Settings >> Time/Date

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





Picture 33 - Time/Date

Table 22- Time/Date

| Time/Date | | |
|-------------------------------|----------------------|---|
| Field Name | eld Name Explanation | |
| Network Time Server Settings | | |
| Time Synchronized | via SNTP | Enable time-sync through SNTP protocol |
| Time Synchronized | via 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 Ser | ver | 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 | | ngs |
| Location | | Select the user's time zone specific area |
| DST Set Type | | Select automatic DST according to the preset rules of DST, or 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

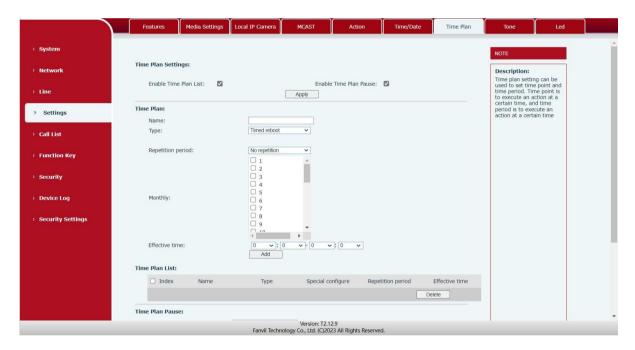
To set the time manually, you need to disable the SNTP service first, and you need to fill in and submit each item of year, month, day, hour and minute in the figure above to make the manual settings successful.

System time: Display system time and its source

(SIP automatic get >SNTP automatic get >manual manual setting)

9.25 Settings>>Time plan

The user can set the time point and time period for the device to perform a certain action.



Picture 34- Time Plan

Table 23- Time Plan

| Parameters | Description | |
|-----------------------|--|--|
| Time Plan Settings | Time Plan Settings | |
| Enable Time Plan List | Turn on the time management list, and then perform the set action at the | |
| | set time period | |
| Enable Time Plan | Turn on the pause list, and the device will not perform the set action until | |
| Pause | the time of setting pause | |
| Time Plan | | |



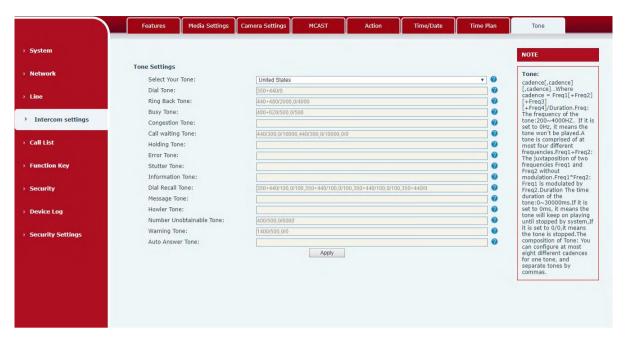
| Name | Future constant manual |
|----------------------|--|
| Name | Enter a custom name |
| Туре | Timed reboot, Timed upgrade, Timed echo test, Timed play audio ,Timed |
| | config |
| Audio Path | Support on-premises |
| | Local: Select the locally uploaded audio file |
| Play mode | When the type is selected as Play Audio, it supports setting to loop |
| | playback or play it once |
| Play Type | Local: The device plays audio |
| | Multicast: The device sends audio over multicast |
| | Local & Multicast: While the device plays locally, it also sends audio |
| | through multicast |
| Multicast address | Sets the multicast address when playing audio |
| Code | The encoding used when multicast audio |
| Repetition period | No repetition: Execute once within the set time range |
| | Daily: Perform this operation in the same time range every day |
| | Weekly: Do this within the time range of the day of the week |
| | Monthly: Perform this operation within the time range of the day of each |
| | month |
| Effective time | Set the execution period |
| Time Plan List | |
| Time Plan Pause | |
| Name | Pause list name |
| Start time | Set start time |
| Stop time | Set stop time |
| Time Plan Pause List | |

9.26 Settings >> Tone

The user can configure the prompt tone of the device on this page.

You can select the country area or customize the area. The selected area can directly appear the default information, and the customized one can modify the key tone, callback tone and other information.





Picture 35- Tone

9.27 Call list >> Call List

■ Restricted Incoming Calls

It same as blacklist. By adding a number into the blacklist, user will no longer receive phone call from that number and it will be rejected automatically by the device until user delete it from the blacklist.

User can add specific number to be blocked, or a prefix where any numbers matched the prefix will all be blocked.

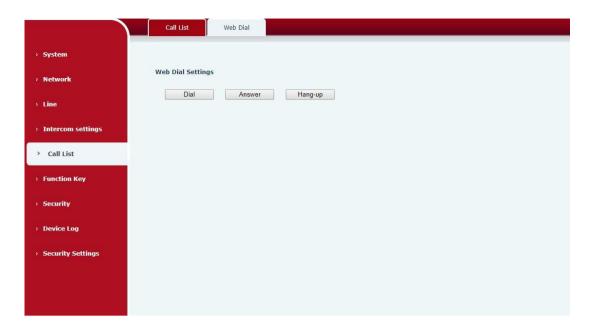
■ Restrict Outgoing Call

You can set the rule to restrict some numbers from dialing out,until you remove the number from the table.

9.28 Call list >> Web Dial

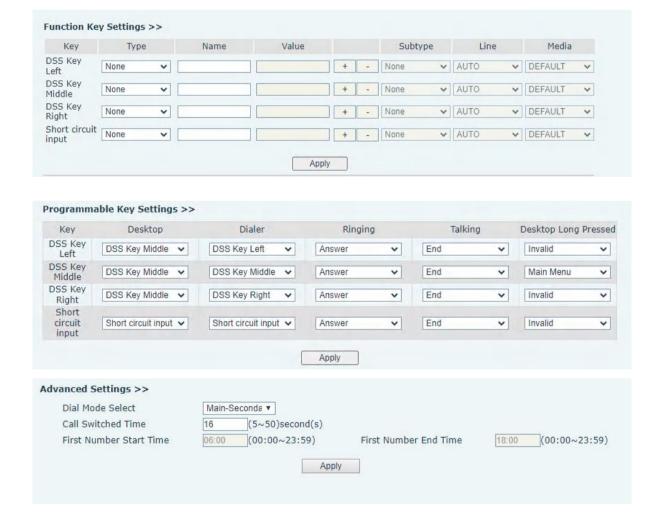
Use web page to call, answer and hang up.





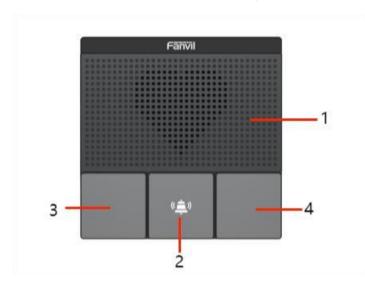
Picture 36- Webpage Dial

9.29 Function Key





Picture 37- Function Key



picture 38 - A10&A10W Panel

Table 24 - A10&A10W Function key correspond topanel key

| Function Key | Panel Key |
|--------------|----------------------------|
| Middle | 2: Call button |
| Left/Right | 3/4: Reserved function key |

Table 25- Function Key

| Parameters | Description | |
|----------------------|--|--|
| Function key setting | Function key settings | |
| memory | Speed Dial: The user can directly dial the set number. This feature is | |
| | convenient for customers to dial frequent numbers. | |
| | Intercom: This feature allows the operator or secretary to quickly connect | |
| | to the phone, widely used in office environments | |
| Key event | The user can select a function key as a shortcut to trigger an event for | |
| | example: None /Handfree | |
| DTMF | Press during a call to send the set DTMF | |
| Mcast Paging | Configure the multicast address and voice encoding. User can initiate | |
| | multicast by pressing this key | |
| Action URL | The user can use a specific URL to make basic calls to the device, open | |
| | the door, etc. | |
| Mcast Listening | In standby, press the function key, if the RTP of the multicast is detected, | |
| | the device will monitor the multicast | |
| PTT | Speed dial: Make a call when pressed, and end the call when lifted. | |



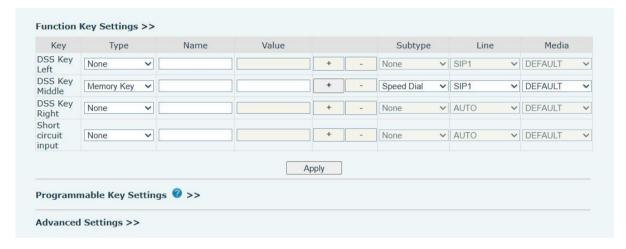
| | Intercom: Start the intercom when pressed, and end the intercom when |
|---|--|
| | lifted. |
| | Multicast: Initiate multicast when pressed, and end multicast when lifted |
| Programmable Key | · |
| Desktop | None: Nothing happens when you press the Call button |
| 2 3 3 11 11 11 11 11 11 11 11 11 11 11 11 | Dsskey1: When it is set to dsskey1, follow the settings of dsskey1 to make |
| | call, answer, etc. |
| | Dsskey2: When it is set to dsskey2, perform operations such as calling |
| | and answering according to the setting of dsskey2 |
| Dialer | None: Nothing happens when you press the Call button |
| Diaioi | Dsskey1: When it is set to dsskey1, follow the settings of dsskey1 to make |
| | call, answer, etc. |
| | Dsskey2: When it is set to dsskey2, perform operations such as calling |
| | and answering according to the setting of dsskey2 |
| Ringing | Answer: Set to answer, when there is an incoming call, if auto answer is |
| i tinging | disabled, press the Call button to answer the call |
| | End: set to end, when there is an incoming call, press the Call button to |
| | hang up the call |
| Talking | End: set to end, when there is a call, press the Call button to hang up the |
| raiking | call |
| | Volume up: set as volume up button, when there is a call, press the Call |
| | button to increase the volume |
| | Volume down: set as volume up button, when there is a call, press the Call |
| | button to decrease the volume |
| | Dsskey1: When it is set to dsskey1, follow the settings of dsskey1 to make |
| | call, answer, etc. |
| | Dsskey2: When it is set to dsskey2, perform operations such as calling |
| | and answering according to the setting of dsskey2 |
| Desktop Long | None: Long press the Call button does not respond |
| Pressed | Main menu: Long press the Call button to enter the command line mode, |
| | see 5.2.1 Common Command Mode for details |
| Advanced Settings | |
| 3 | Number 1 call number 2 mode selection. |
| | <main secondary="">: If the first number is not answered within the set time,</main> |
| Hot Key Dial Mode | the second number will be automatically switched. |
| Select | <day night="">: The system time is automatically detected during the call. If</day> |
| | it is daytime, the first number is called, otherwise the second number is |
| | called. |
| | oullou. |



| Call Switched Time | Set number 1 to call number 2 time, default 16 seconds |
|--------------------|--|
| Day Start Time | The start time of the day when the <day night=""> mode is defined. Default</day> |
| | "06:00" |
| Day End Time | The end time of the day when the <day night=""> mode is defined. Default</day> |
| | "18:00 |

Memory

Enter the phone number in the input box. When you press the function key, the device will call out the set phone number. This button can also be used to set the IP address, press the function key to make an IP direct call.



Picture 39 - Memory Key

Table 26- Memory Key

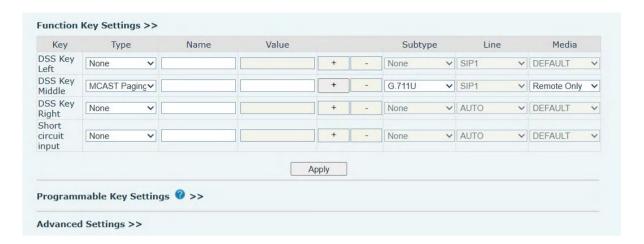
| Type | number | line | Subtype | usage |
|--------|---|--|---------------|---|
| | Fill in the SIP | The line | Speed Dial | Using the speed dial mode, press the button to quickly dial the set number. |
| memory | account or IP address of the called party | correspon ding to the SIP account | Intercom | Using the intercom mode, when the SIP phone at the opposite end supports the intercom function, the call can be automatically answered. |

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:





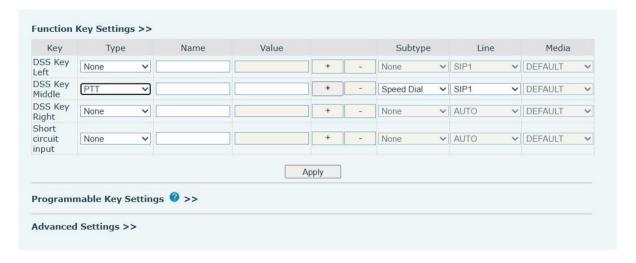
Picture 40- Multicast

Table 27- Web Multicast

| Туре | Number | Subtype |
|-----------|--|---------|
| Multicast | | G.711A |
| | Set the host IP address and port number, they must | G.711U |
| | be separated by a colon (The IP address range is | G.729AB |
| | 224.0.0.0 to 239.255.255.255, and the port number | iLBC |
| | is preferably set between 1024 and 65535) | opus |
| | | G.722 |

▶ PTT

Keep pressing the shortcut key set to make a call, release it and hang up

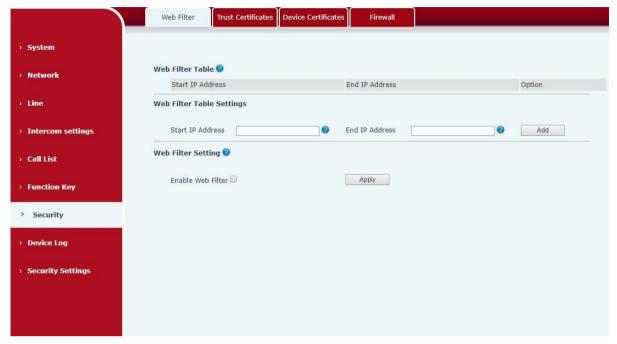


Picture 41 - Advanced Setting



9.30 Security >> Web Filter

Users can set up to allow only a certain network segment IP to access the device





Picture 42- WEB filter

Add and delete the allowed IP network segments; configure the start IP address in the start IP, configure the end IP address in the end IP, and then click [Add] to add successfully. You can set a large network segment or add it into several network segments. When deleting, select the starting IP of the network segment to be deleted in the list, and then click [Delete] to take effect.

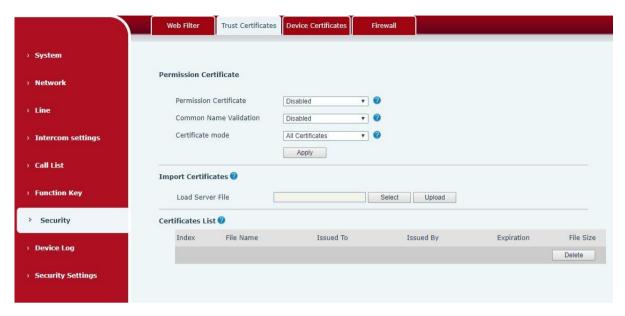
Enable web filtering: configure to enable/disable web access filtering; click the [Submit] button to take effect

Note: If the device you access to the device is on the same network segment as the device, do not configure the web filtering network segment to be outside your own network segment, otherwise you will not be able to log in to the web page.

9.31 Security >> Trust Certificates

You can upload and delete uploaded trust certificates.



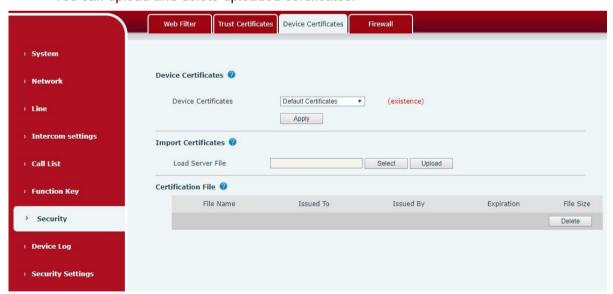


Picture 43 - Trust Certificates

9.32 Security >> Device Certificates

Select the default certificate or the custom certificate as the device certificate.

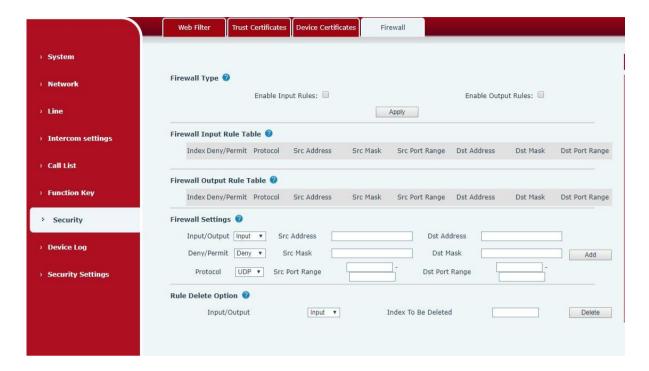
You can upload and delete uploaded certificates.



Picture 44- Device Certificates



9.33 Security >> Firewall



Picture 45 - Firewall

Through this page, you can set whether to enable the input and output firewalls, and at the same time, you can set the input and output rules of the firewall. Use these settings to prevent malicious network access, or restrict internal users from accessing some resources of the external network, and improve safety.

The firewall rule setting is a simple firewall module. This function supports two kinds of rules: input rules and output rules. Each rule will be assigned a serial number, and a maximum of 10 each rule can be set.

Taking into account the complexity of firewall settings, the following will illustrate with an example:

Table 28- Web Firewall

| Parameter | Description |
|---------------------|---|
| Enable Input Rules | whether enable Input Rules |
| Enable Output Rules | Whether enable Output Rules |
| input/output | Select the current rule as an input or output rule |
| Deny/permit | Choose the current rule is deny or allowed; |
| protocol | There are four types of protocols: TCP, UDP, ICMP, IP。 |
| Port range | Port range |
| Src Address | The source address can be the host address, network address, or |



| | all addresses 0.0.0.0; it can also be a network address similar to | |
|----------------|--|--|
| | *.*.*.0, such as 192.168.1.0. | |
| | The destination address can be a specific IP address or all | |
| Dst Mask | addresses 0.0.0.0; it can also be a network address similar to | |
| | *.*.*.0, such as 192.168.1.0. | |
| | It is the source address mask. When it is configured as | |
| Cro Dort Dongo | 255.255.255.255, it means it is a specific host. When it is set as a | |
| Src Port Range | subnet mask of type 255.255.255.0, it means that the filter is a | |
| | network segment; | |
| | It is the destination address mask. When it is configured as | |
| Det Deut Deurs | 255.255.255.255, it means it is a specific host. When it is set as a | |
| Dst Port Range | subnet mask of 255.255.255.0 type, it means that a network | |
| | segment is filtered; | |

After setting, click [Add], a new item will be added to the firewall output rules, as shown in the figure below:



Picture 46- Firewall rules list

Then select and click the button [Submit].

In this way, when the device runs: ping 192.168.1.118, it will not be able to send data packets to 192.168.1.118 because of the prohibition of the output rule. But ping other IPs in the 192.168.1.0 network segment can still receive the response packets from the destination host normally.



Picture 47- Delete firewall rules

Select the list you want to delete and click [Delete] to delete the selected list.

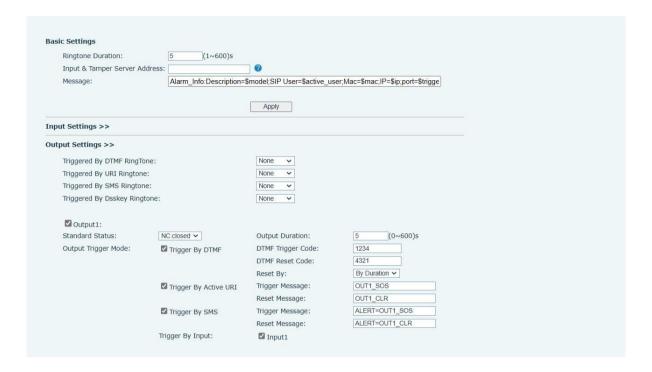
9.34 Device Log

You can crawl the device log, when you encounter unusual problems, please send the device log to the technical staff for positioning problem. For more detail $\underline{10.5 \text{ get device log}}$.



9.35 Security Settings

Enable Tamper: after enable, when the device is removed by force, the alarm information will be sent to the server and the alarm ring will be played.



Picture 48 - Security Settings

Table 29- Security Settings

| Security Settings | | |
|-------------------|--|--|
| Parameters | Description | |
| Basic Settings | | |
| Ringtone Duration | Set the ringtone duration, default value is 5 seconds. | |
| | Set remote server address. The device will send message to the | |
| Input & Tamper | server when the alarm is triggered. The message format is : | |
| Server Address | Alarm_Info:Description=A10;SIP User=;Mac=0c:38:3e:3a:06:65;IP=; | |
| | port=Input . | |
| Input settings | | |
| Input Detect | Enable or disable Input Detect | |
| | When choosing the low level trigger (closed trigger), detect the input | |
| Triagonad by | port (low level) closed trigger. | |
| Triggered by | When choosing the high level trigger (disconnect trigger), detect the | |
| | input port (high level) disconnected trigger. | |



| Input Duration | Set input duration | | |
|---------------------|--|--|--|
| | Send SMS: Set the alert message send to server if selected. | | |
| | Dss Key: The device will perform corresponding Dss Key | | |
| Triggered Action | configurations if any key is selected, by default the value is none. | | |
| | Triggered Ringtone: Select triggered ring tone. | | |
| Output Settings | | | |
| Output Response | Enable or disable Output Response | | |
| Triggered by DTMF | Select the DTMF trigger ring tone. | | |
| Ring tone | | | |
| Triggered by URI | | | |
| Ringtone | Select the URI trigger ring tone. | | |
| Triggered By SMS | Select the SMS trigger ring tone. | | |
| Ringtone | | | |
| Triggered By Dsskey | Salast the Dackey trigger ring tone | | |
| Ringtone | Select the Dsskey trigger ring tone. | | |
| | When choosing the low level trigger (NO: normally open), when meet | | |
| Standard Status | the trigger condition, trigger the NO port disconnected. | | |
| Standard Status | When choosing the high level trigger (NC: normally close), when meet | | |
| | the trigger condition, trigger the NC port close. | | |
| Output Duration | Set the output change duration time, the default is 5 seconds. | | |
| | Enable or disable trigger by DTMF. The device will check the received | | |
| Trigger by DTMF | DTMF sent by remote device, if it matches the DTMF trigger code, the | | |
| | device will trigger corresponding output port. | | |
| DTMF Trigger Code | Input the DTMF trigger code, default value is 1234. | | |
| DTMF Reset Code | Input the DTMF reset code, default value is 4321. | | |
| | Reset the output port mode by duration or state. | | |
| Reset By | By duration: Reset the output port status when output duration occurs. | | |
| Neset by | By state: Reset the output port status when device's call state | | |
| | changes. | | |
| | Enable or disable trigger by URI. | | |
| Trigger by URI | User can send commands from remote device or server to A10 series | | |
| Ingger by Ord | device, if the command is correct, then device will trigger | | |
| | corresponding output port. | | |
| Trigger Message | Input trigger message for trigger by URI mode. | | |
| Rest Message | Input reset message for trigger by URI mode. | | |
| | Enable or disable trigger by SMS. | | |
| Trigger by SMS | User can send ALERT command to A10 series device, if the command | | |
| | is correct, then device will trigger corresponding output port. | | |



| Trigger SMS | Input trigger message for trigger by SMS mode. |
|-----------------------|---|
| Reset SMS | Input reset message for trigger by SMS mode. |
| | Select the input port, when the input port meets the trigger condition, |
| Trigger by Input | the output port will be triggered (The Port level time change, By < |
| | Output Duration > control) |
| | Select call state to trigger the output port, options are: |
| | Talking: When the device's talking status changes, trigger the output |
| | port. |
| Trigger By Call state | Ringing: When the device's ringing status changes, trigger the output |
| | port. |
| | Calling: When the device's calling status changes, trigger the output |
| | port. |
| | Enable or disable trigger by dsskey. If any of the dsskey is selected, |
| Trigger By DssKey | when the dsskey application performs, the output port will be |
| | triggered. |



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

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

When the device has problems and user can't access the web page, you can disassemble the surface shell and press the "RESET" button. The device will restart and the configuration will not change.

10.3 Device Factory Reset

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

To restore the factory settings, please go to [System] >> [Configuration] >> [Reset Phone] page, 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 Get Device Log

Log information is helpful when encountering abnormal problems. In order to obtain the log information of the device, the user can log on to the device web page, open the web 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 the local for analysis or send the log to the technician to locate the problem.

10.6 Common Trouble Cases

Table 25 - Trouble Cases

| Trouble Case | Solution |
|--------------------------------|---|
| 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 |
| | or POE switch met with the specification requirements and check if |
| | device is well connected to power source. |
| | 2. If the device enters "POST mode" (Solid orange), 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. |
| service provider | 2. 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. |