Akuvox C313 Indoor Monitor Administrator Guide_V1.0 202105

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Akuvox
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C313 SERIES INDOOR MONITOR

Admin Guide

Version: 1.0 | Date: Feb.2021

About This Manual

Thank you for choosing the Akuvox C313 series indoor monitor. This manual is intended for the administrators who need to properly configure the indoor monitor. This manual applies to the 113.30.6.49 version, and it provides all the configurations for the functions and features of the C313 series indoor monitor. Please visit the Akuvox website or consult technical support for any new information or the latest firmware.

Introduction of Icons and Symbols

Warning:

- **Always abide by this information in order to prevent the persons from injury.**

Caution:

- **Always abide by this information in order to prevent the damages to the device.**

Note:

- **Informative information and advice from the efficient use of the device.**

Related Documentation

You are advised to refer to the related documents for more technical information via the link below:

https://knowledge.akuvox.com/ (https://knowledge.akuvox.com/v1/en)

1.Product Overview

It can be connected with the Akuvox door phone for audio/video communication, unlocking, and monitoring. Residents can communicate with visitors via audio/video call, and it supports unlocking the door remotely. It is more convenient and safer for residents to check the visitor's identity through its video preview function. C313 series are often applied to scenarios such as villas, apartments, and buildings.

2.Change Log

The change log will be updated here along with the changes in the new software version.

3.Model Difference

Model	C313W	C313S	C313N
Feature			
OS	Linux		
Display	7 inch (176 mm) diagonal		
Resolution	800*480		
Wi-Fi	IEEE802.11 b/g/n, @2.4GHz	X	X
Ethernet	2xRJ45, 10/100Mbps adaptive		1xRJ45, 10/100Mbps adaptive
Power Supply	12V DC connector		12V DC connector
POE	802.3af Power-over-Ethernet		
Alarm Input	8		
Relay Output	1		
Installation	Wall mounting		
Operation Temperature	0°C ~ +45°C		

Operation Humidity	10~90%
Dimensions (W x H x D)	200*132*17.5mm

4.Introduction to Configuration Menu

Status: This section gives you basic information such as product information, Network Information, and account information, etc.

Account: This section concerns SIP account, SIP server, proxy server, transport protocol type, audio&video codec, DTMF, session timer, etc.

Network: This section mainly deals with DHCP&Static IP setting, RTP port setting, and device deployment, etc.

Phone: This section includes Time&language, call feature, dial management, data import&export, door log, web relay.

Contacts: This section allows the user to configure the local contact list store in the device.

Upgrade: This section covers Firmware upgrade, device reset&reboot, configuration file auto-provisioning, PCAP.

Security: This section is for password modification, account status & session time out configuration, as well as service location switching.

Settings: This section is including the RTSPD & voice assistance setup.

Arming: This section covers the configuration including, arming zone setting, arming mode, disarm code, and alarm action.

- **Mode selection:**

Discovery mode: It is a plug and play configuration mode. Akuvox devices will co[illegible]e themselves automatically when users power on the devices and conne[illegible] the network. It is super time-saving mode and it will greatly bring users

convenience by reducing manual operations. This mode requires no prior configurations previously by the administrator.

Cloud mode: Akuvox SmartPlus is an all-in-one management system. Akuvox Cloud is the mobile service that allows audio, video, remote access control between smartphones and Akuvox intercoms. All configurations in the device will be issued automatically from the cloud. If users decide to use Akuvox SmartPlus, please contact Akuvox technical support, and they will help you configure the related settings before using them.

SDMC mode: SDMC (**SIP Device Management Controller**) is a simple and comprehensive software for building management. It provides a topography for a community while offering you a graphical configuration interface for the door access, intercom, monitoring, alarm, etc. It is a convenient tool for property managers to manage, operate, and maintain the community.

- **Tool selection**

Akuvox has many configuration tools for you to set up devices more conveniently. Here we list some common tools, please contact your administrator to get the tool if you need them.

1. **SDMC**: SDMC is suitable for the management of Akuvox devices in large communities, including access control, resident information, remote device control, etc.
2. **Akuvox Upgrade tool**: upgrade Akuvox devices in batch on a LAN (**Local Area Network**)
3. **Akuvox PC Manager**: distribute all configuration items in batch on a LAN.
4. **IP scanner**: it is used to search Akuvox device IP addresses on a LAN.
5. **FacePro**: manage face data in batch for the door phone on a LAN.

5. Access the Device

Akuvox indoor monitor system settings can be either accessed on the device directly or on the device web interface.

5.1. Device Start-up Network Selection

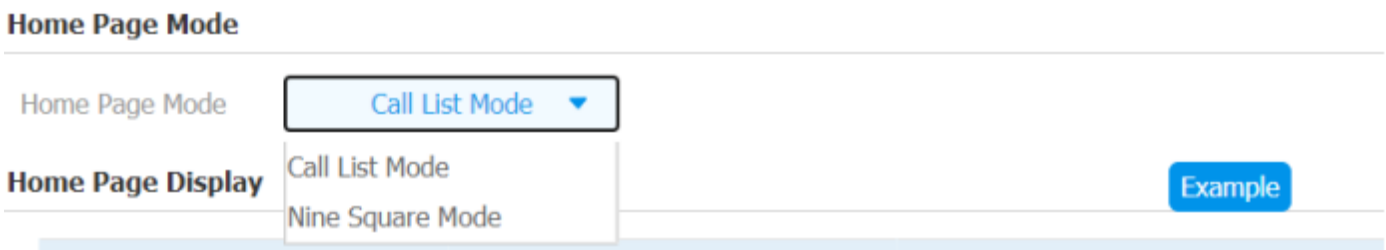
Akuvox indoor monitor system settings can be either accessed on the device directly or on the device's web interface. After the device boots up initially, you are required to select the network connection for the device. You can either select ethernet or wireless network connection according to your need.

Note:

- Please refer to the chapter on **Network Setting** for the configuration of the Ethernet and wireless network connection.

5.2. Device Home Screen Type Selection

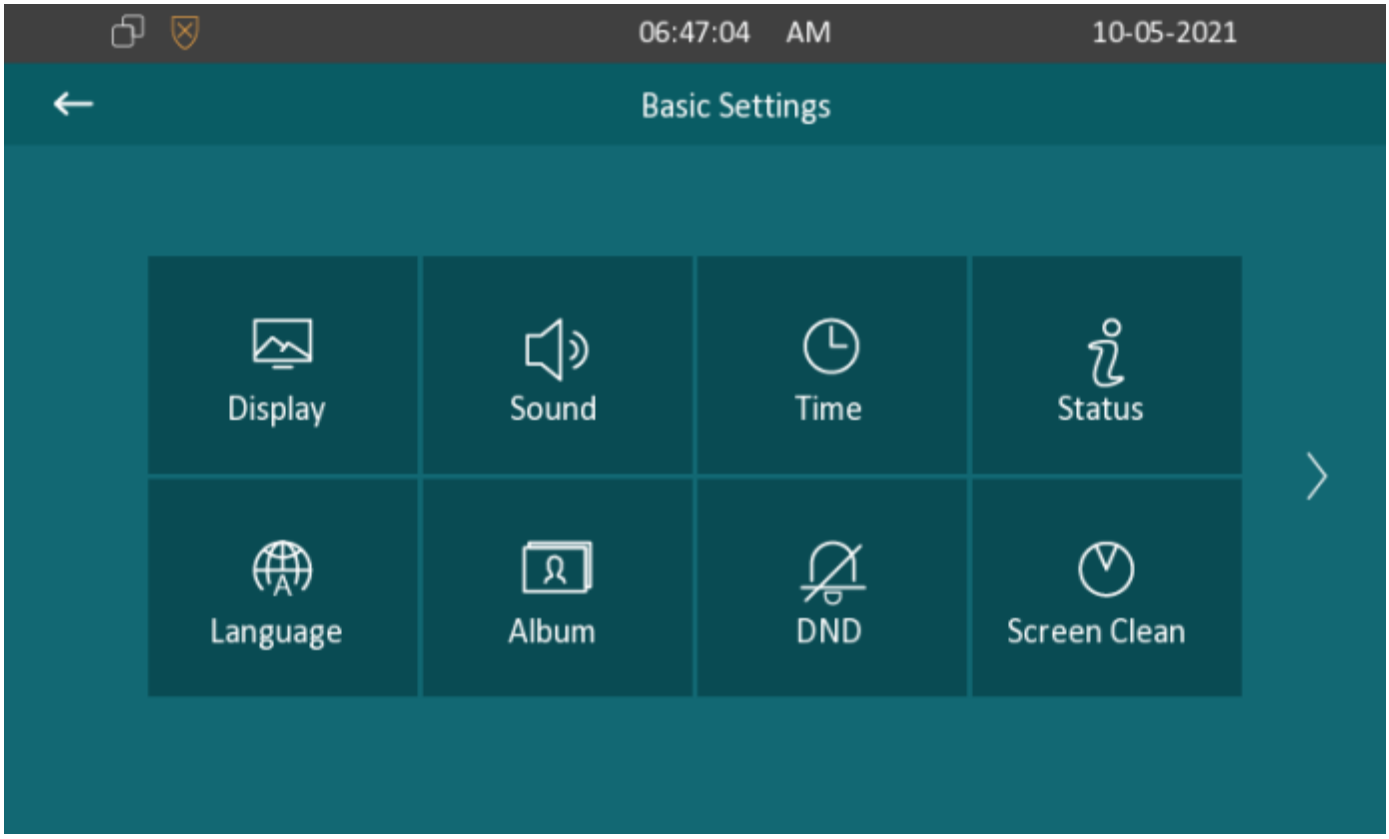
Akuvox indoor monitor supports two different home screen display mode- **Call list Mode, Nine Square Mode**. To configure home page mode on the device web **Phone->Key/Display**, choose one suitable mode for your scenarios.



5.3. Accessing the Device Setting on the Device

5.3.1 Accessing Device Basic Setting.

You can access the device's basic setting and advance setting where you can configure different types of functions as needed. To access the device basic setting by pressing **More > Settings**.



5.3.2. Accessing Device Advanced Setting

To access the advanced setting, press **Setting** then press **Advance** icon. Press password **123456** (by default) to enter the advanced setting.

5.4. Access the Device Setting on the Web Interface

You can also enter the device IP address on the web browser in order to log in the device web interface by user name and password **admin/admin** where you can configure and adjust parameter etc.

- You can also obtain the device IP address using the Akuvox IP scanner to log in to the device web interface. Please refer to the URL below for the IP scanner application instruction:

(https://knowledge.akuvox.com//v1/docs/akuvox-ip-scanner)**https://knowledge.akuvox.com/docs/how-to-obtain-ip-address-via-ip-scanner-1** (https://knowledge.akuvox.com/docs/how-to-obtain-ip-address-via-ip-scanner-1)

- Google Chrome browser is strongly recommended.
- The Initial user's name and password are "**admin**" and please be case-sensitive to the user names and passwords entered.

6. Language and Time Setting

6.1. Language Setting

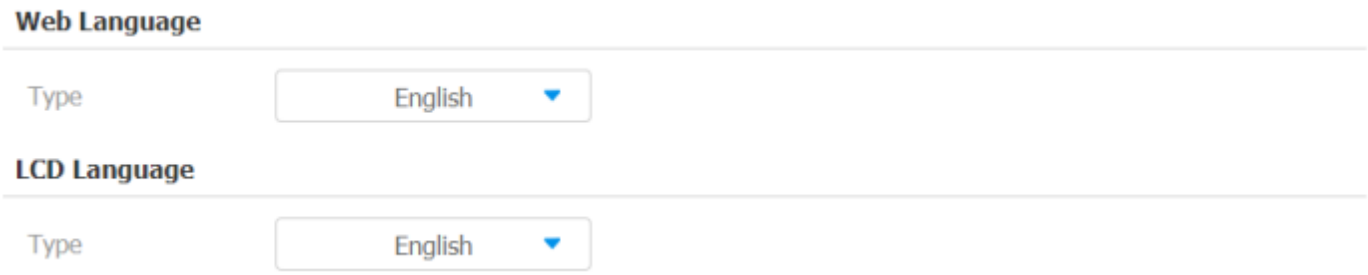
When you first set up the device, you might need to set the language for your need or you can do it later if needed. And the language can either be set up directly on the device or on the device web interface according to your preference.

6.1.1. Language Setting on the Device

Language setting can be configured on the device and on the device web interface that allows you to select or change the language for screen display to your preference. To configure the language display on the device **Setting > Language** screen.

6.1.2. Language Setting on the Web Interface.

To configure the language display on the device web **Phone > Time/Lang** interface. You can either setup the device display language or device web interface language on device web.

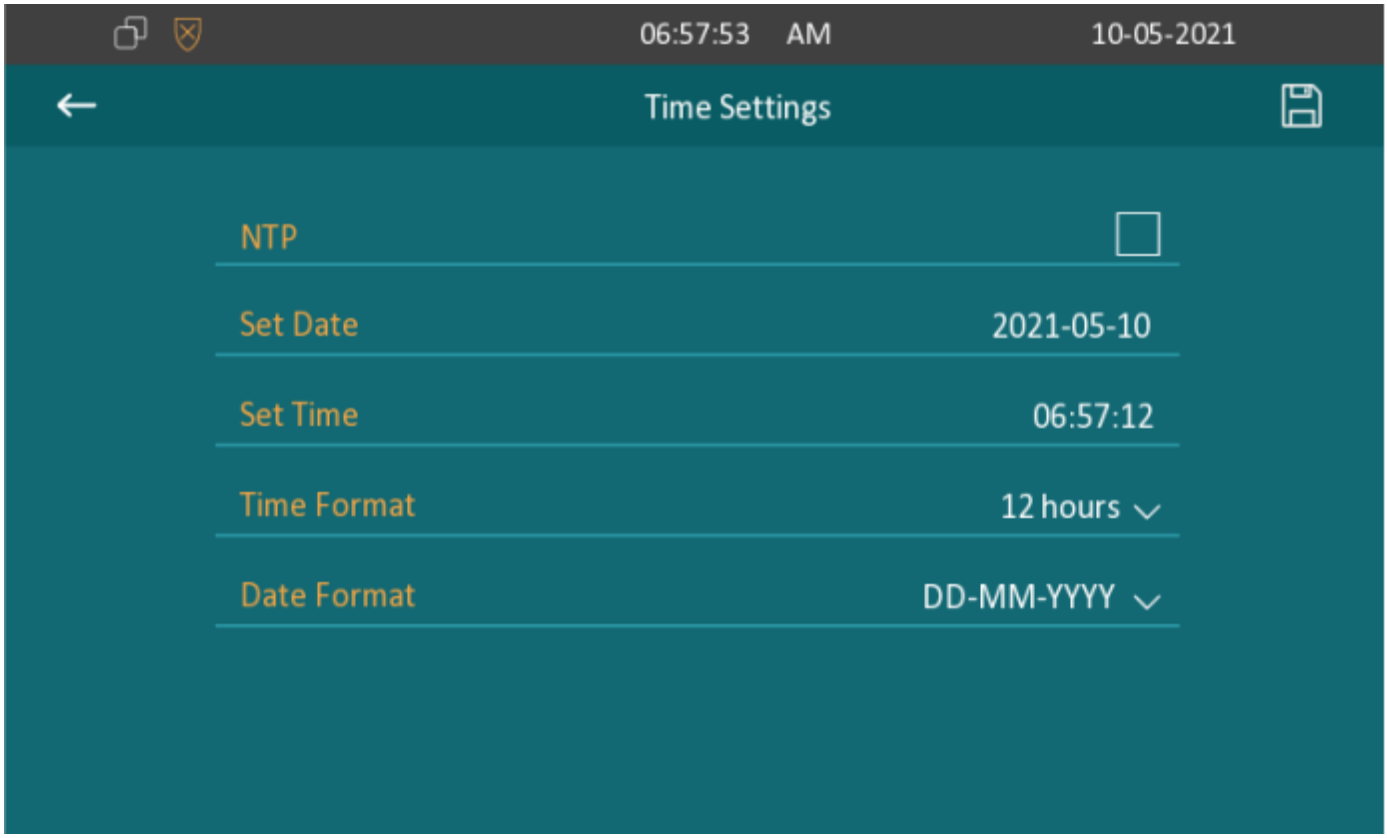


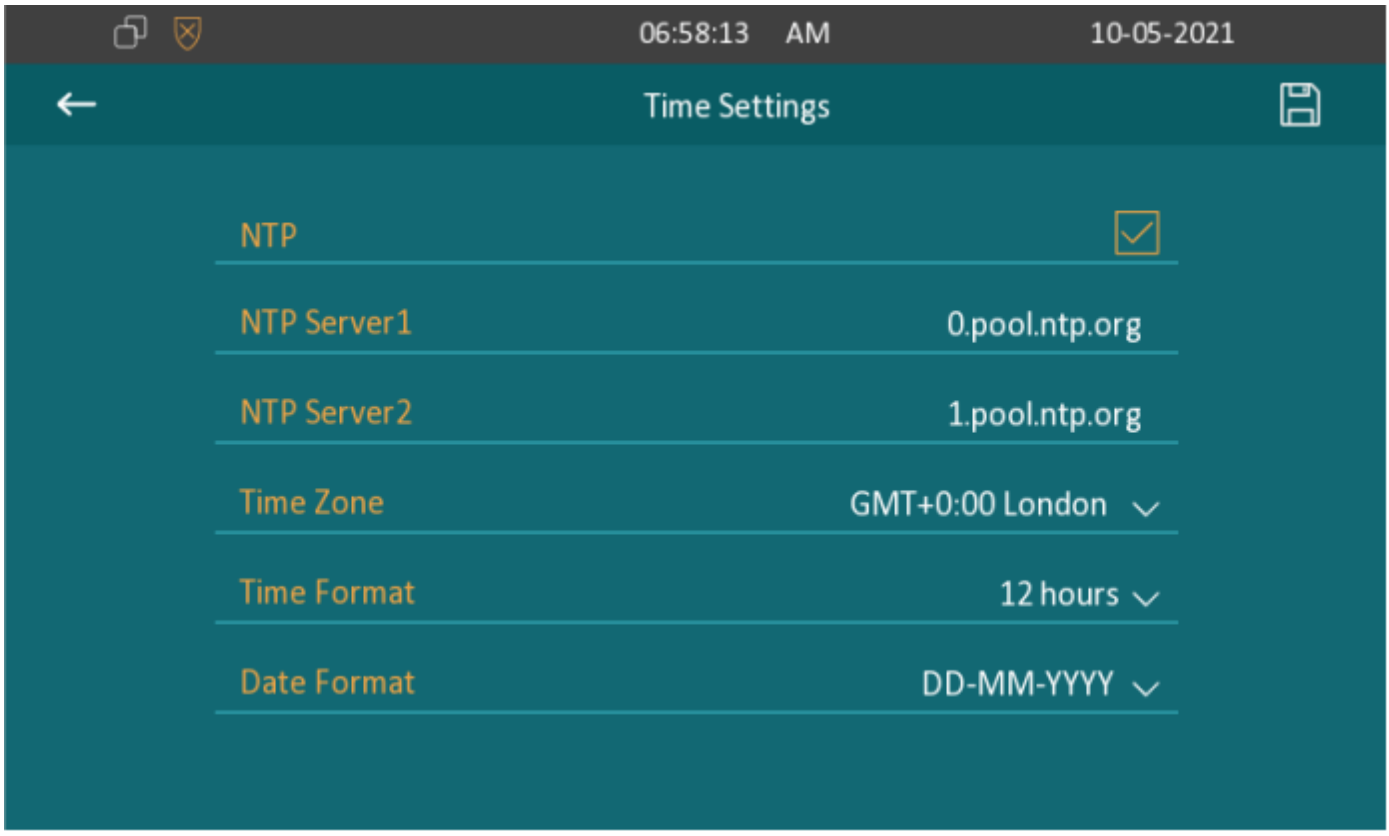
6.2. Time Setting

Time setting can be set up on the device and on the device web interface in terms of time zone, date and time format, etc.

6.2.1 Time Setting on the Device

To set up time setting on the device **More > Setting > Time** screen.





Parameter Set-up:

- **NTP:** NTP is switched on by default, which allows the date& time to be automatically set up and synchronized with the default time zone and the server (Network Time Protocol). You can also set it up manually

ticking the check box and then enter the time and date you want and press the Save tab to save the setting.

- **Set Date:** Enter the date when it is in manual mode.
- **Set Time:** Enter the time when it is in manual mode.
- **NTP server1&2:** enter the NTP server you obtained in the NTP server field.
- **Time Zone:** select the specific time zone depending on where the device is used. The default time zone is GMT+0.00.
- **Date Format:** select the date format as you like among the three format options. The six formal options are **Y-M-D**, **Y/M/D**, **D-M-Y**, **D/M/Y**, **M-D-Y**, **M/D/Y.**
- **Time Format:** select 12 hour or 24-hour time format as you like.

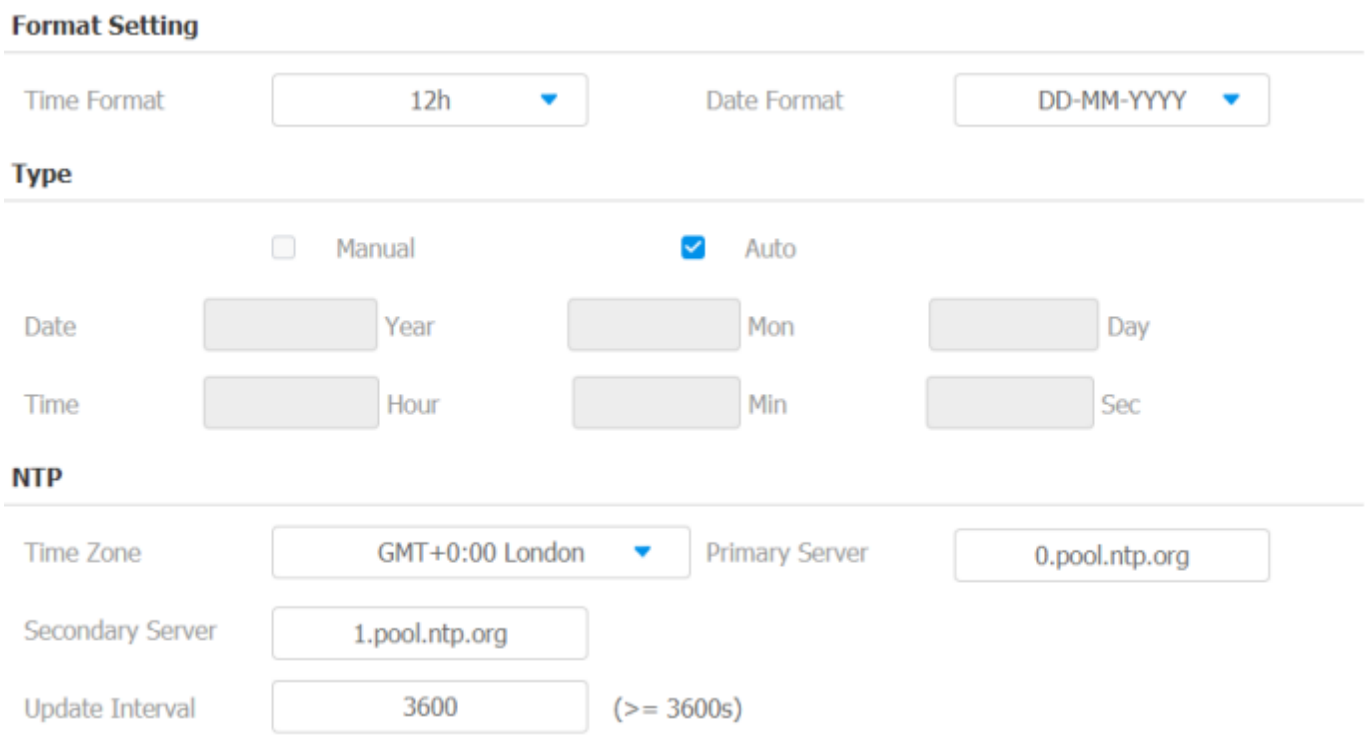
Note:

- When the **NTP** toggle switch is toggled off then parameters related to NTP server will become non-editable. And when the switch is toggled on, then time and date will be denied editing.

6.2.2. Time Setting on the Device Web Interface

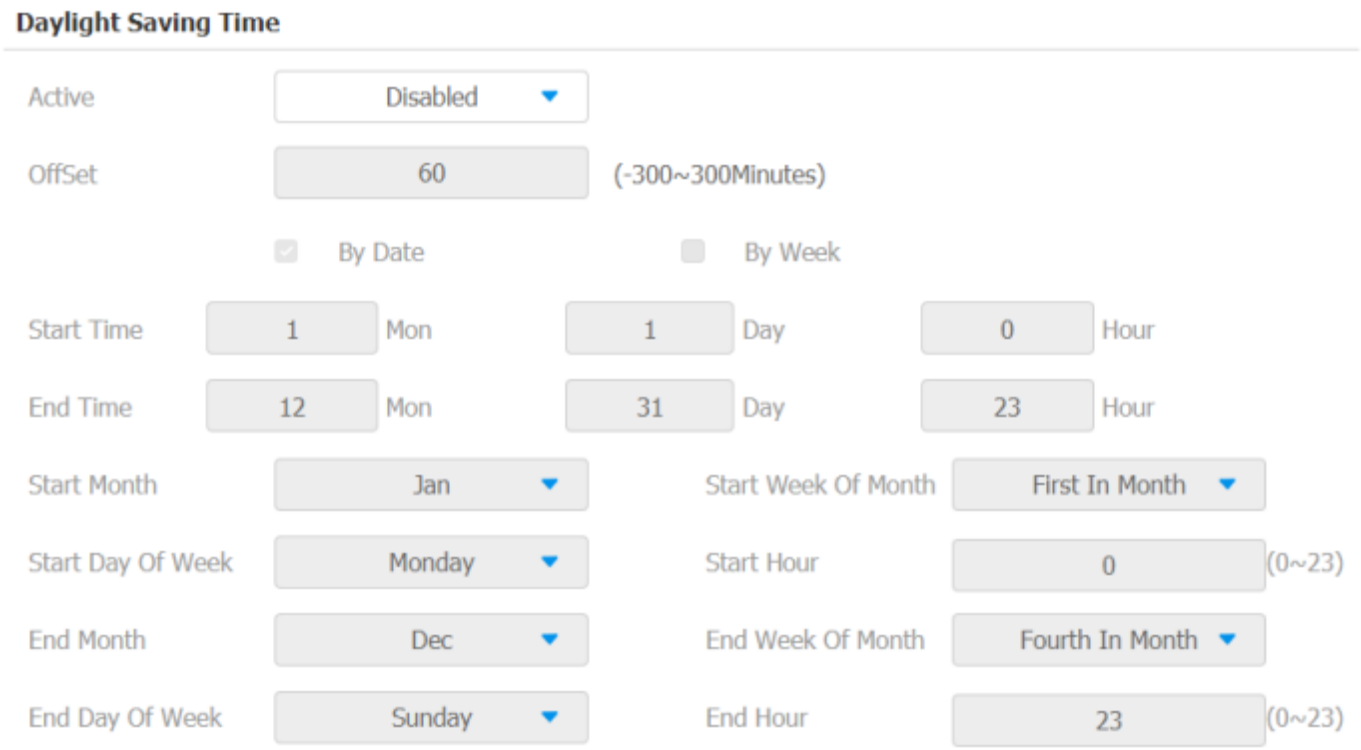
6.2.2.1. Time Setting on the Device Web Interface

Time setting on the web **Phone > Time** interface also allows you to set up the NTP server address that you obtained to automatically synchronize your time and date. And when your time zone is selected, the device will automatically notify the NTP server of its time zone so that the NTP server can synchronize the time zone setting in your device.



6.2.2.2. Daylight Saving Time Setting

In addition to time settings, you can also configure daylight saving time on the same interface. Modify the time parameters to achieve longer evening or day time, especially in summer.



Parameter Set-up:

- **/e:** To enable or disable the daylight-saving time. You can also ...gure to make C313X to adjust the daylight-saving time

automatically.

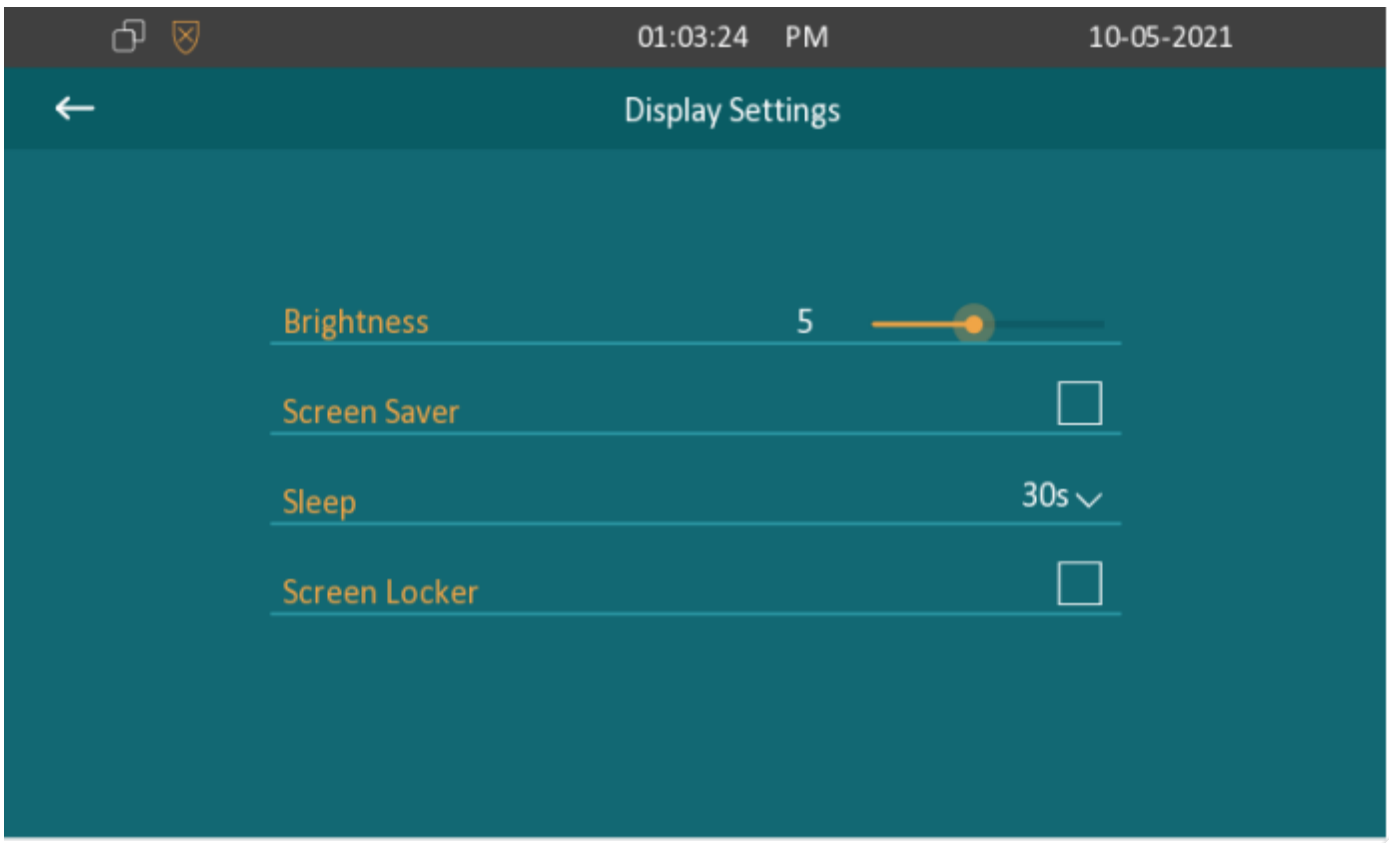
- **Offset:** To set the offset value, it is 60 minutes as default, setting the clocks an hour ahead of the standard time.
- **By Date:** To set the date schedule for daylight saving time.
- **By Week:** To set the schedule for daylight saving time according to the week and month.

7. Screen Display Configuration

C313 series indoor monitor allow you to enjoy a variety of screen displays to enrich your visual and operational experience through the customized setting to your preference.

7.1. Screen Display setting on the Device

You can configure a variety of features of the screen display in terms of brightness and screen saver, etc. You can do this configuration on device **More > Setting > Display** screen.



Pa ter Set-up:

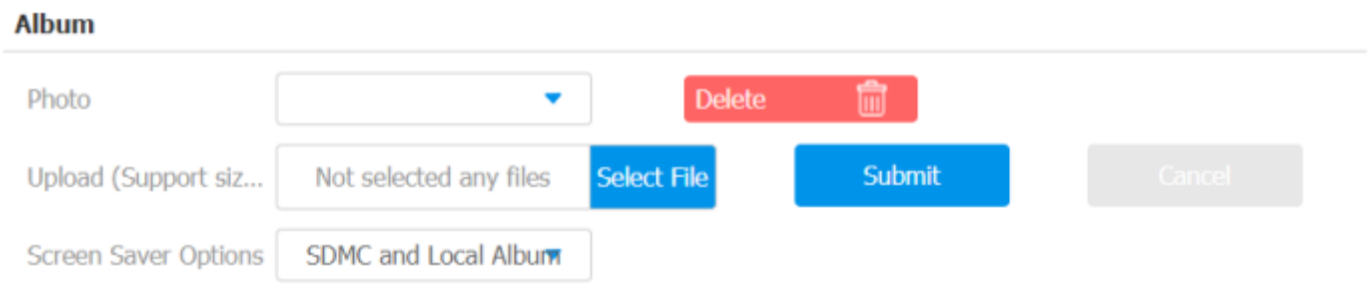
- **Brightness:** press on the brightness setting and move the yellow dots to adjust the screen brightness. The default brightness is “5”.
- **Screen Saver:** tick the square box to enable the screen saver function.
- **Sleep:** set the timing for the device screen to be turned off. You can select the timing among nine options: **15 seconds,30 seconds**, **1 minute**, **2 minutes,5 minutes**, **10 minutes**, **30 minutes,1 hour**. For example, if you set it as 1 minute then the screen will be turned off if there is no operation on the device for 1 minute. However, if you turn on the function, then the device screen will not be turned off until screen saver display reaches its configured time duration.
- **Screen Locker:** tick the screen locker if you want to lock the screen after the screen is turned off (turn to dark). You are required to enter the system code to unlock the screen or you can unlock the screen by facial recognition.

7.2. Screen Display Setting on the Web Interface

C313 series indoor monitor allows you to enjoy a variety of screen displays to enrich your visual and operational experience through the customized setting to your preference.

7.3. Screensaver Configuration

You can upload screen saver pictures to the device for a public purpose or for a greater visual experience. Upload screen saver on device web interface **Phone > Album > Album**.



Parameter Set-up:

- **Photo:** Choose a photo to configure.
- **ad:** Choose a photo from the PC and upload this photo to the monitor.

- **Screen Saver Options:** select screen saver type among seven options: **SDMC**, **Local Album**, **SDMC+Local Album**. Details for the screen saver types are shown below:

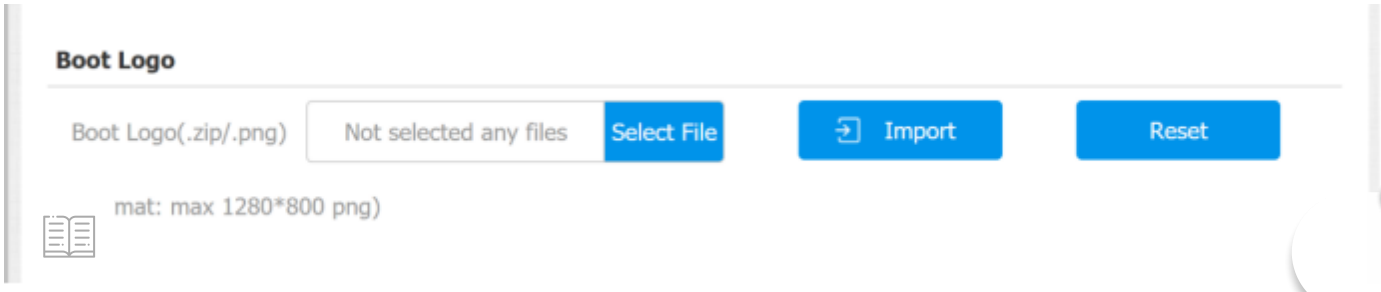
NO.	Screen Saver Type	Type Description
1	SDMC Pictures	Display pictures from SDMC as the screen saver.
2	Local Pictures	Display picture uploaded to the indoor monitor as the screen saver.
3	SDMC+Local Pictures	Display pictures from SDMC and the indoor monitor in rotation as the screen saver.

Note:

- The previous pictures with a specific ID order will be overwritten when repetitive designation of pictures to the same ID order occurred.
- The pictures uploaded should be in **JPG format** with 600k maximum.

7.4. Upload Device Booting Image

You can upload the booting image to be displayed during the device's booting process if needed on device web **interface Phone > Album > Logo**.

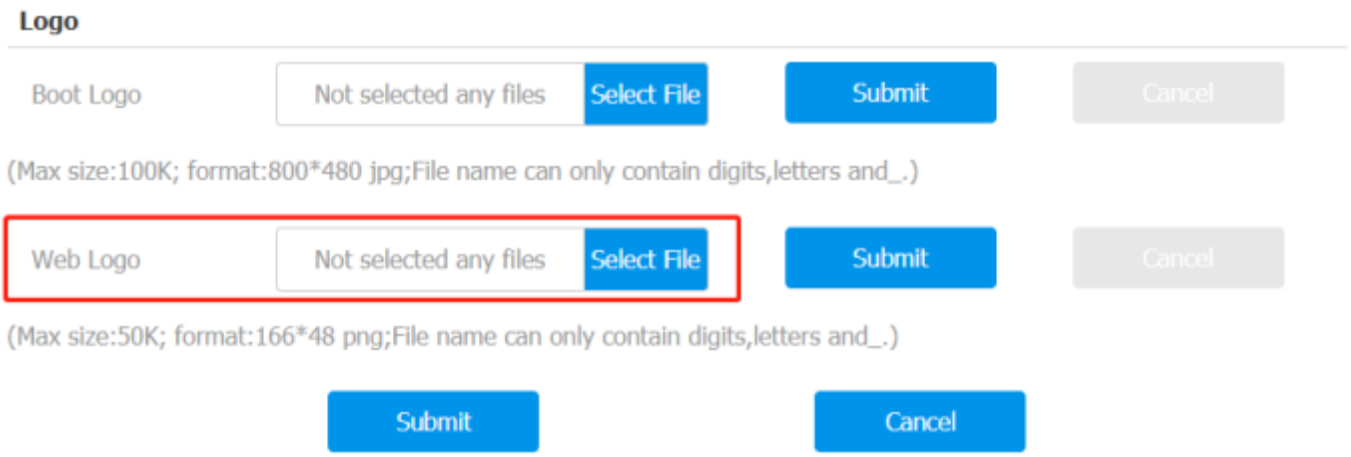


Note:

- The pictures uploaded should be in **.png or .zip** format.

7.5. Upload Web interface logo

You can upload the logo image to be displayed on web interface if needed on device web **interface Phone > Album > Logo**.

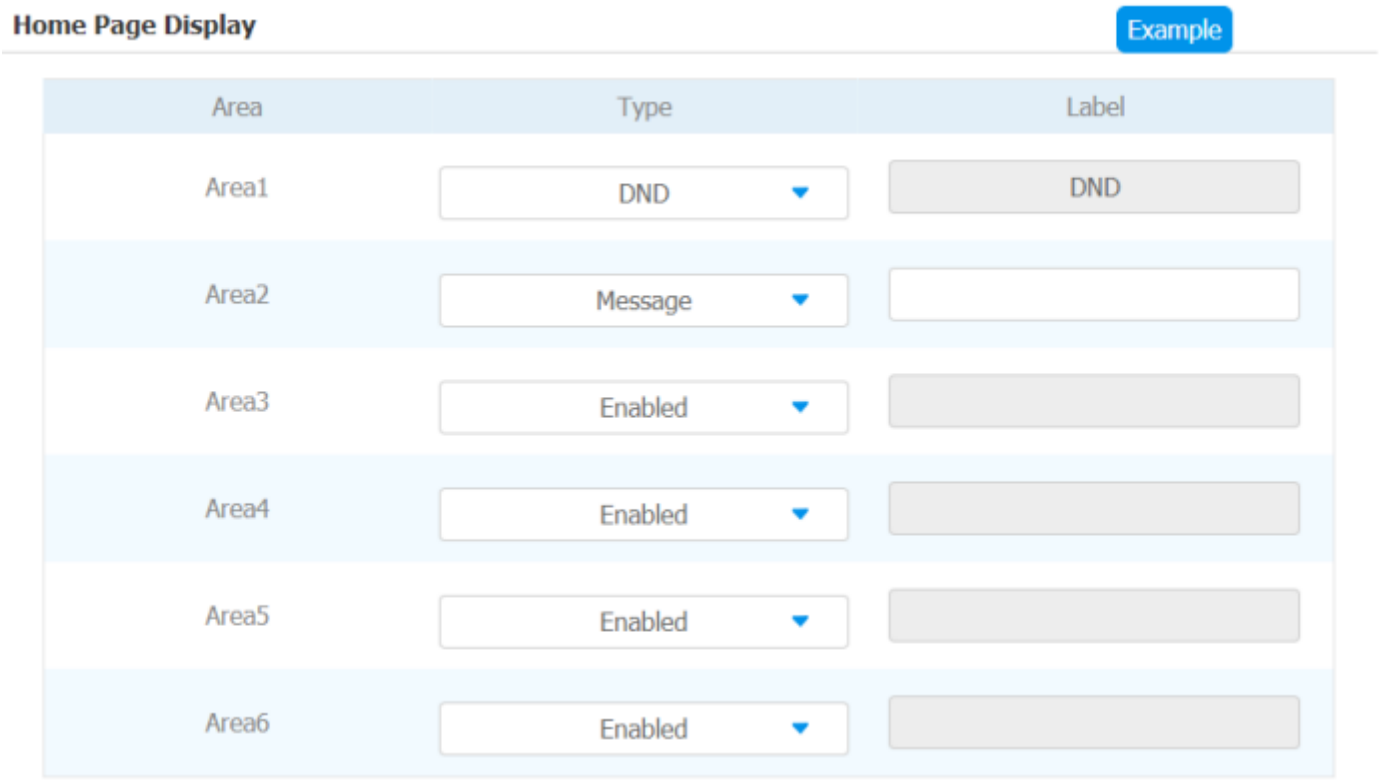


Note:

- The pictures uploaded should be in **.png** format with 50k maximum.

7.6. Icon Screen Display Configuration

C313 series indoor monitor allow you to customize icon display on the home screen and **More** screen for the convenience of your operation on device web **Phone > Key/Display** interface. This article helps you to set up the icon display properly on the screens according to your preference.



Parameter Set-up:

- **Type: click to select among sixteen icon options: "DND", "Message", "Contact", "Call", "Display", "Status", "Setting", "Sound", "Arming", " SOS", "Relay", "Lift", "Smart Living", "Unlock", "N/A" is selected, the icon display in the corresponding area will disappear.**
- **Label:** click to rename the icon if need, while DND icon cannot be renamed.

Note:

- You can configure 2 icons in area 1 and 2, or toggle whether to display area 3, 4, 5 and 6.

Note:

- You can configure 8 icons on the **More** screen.

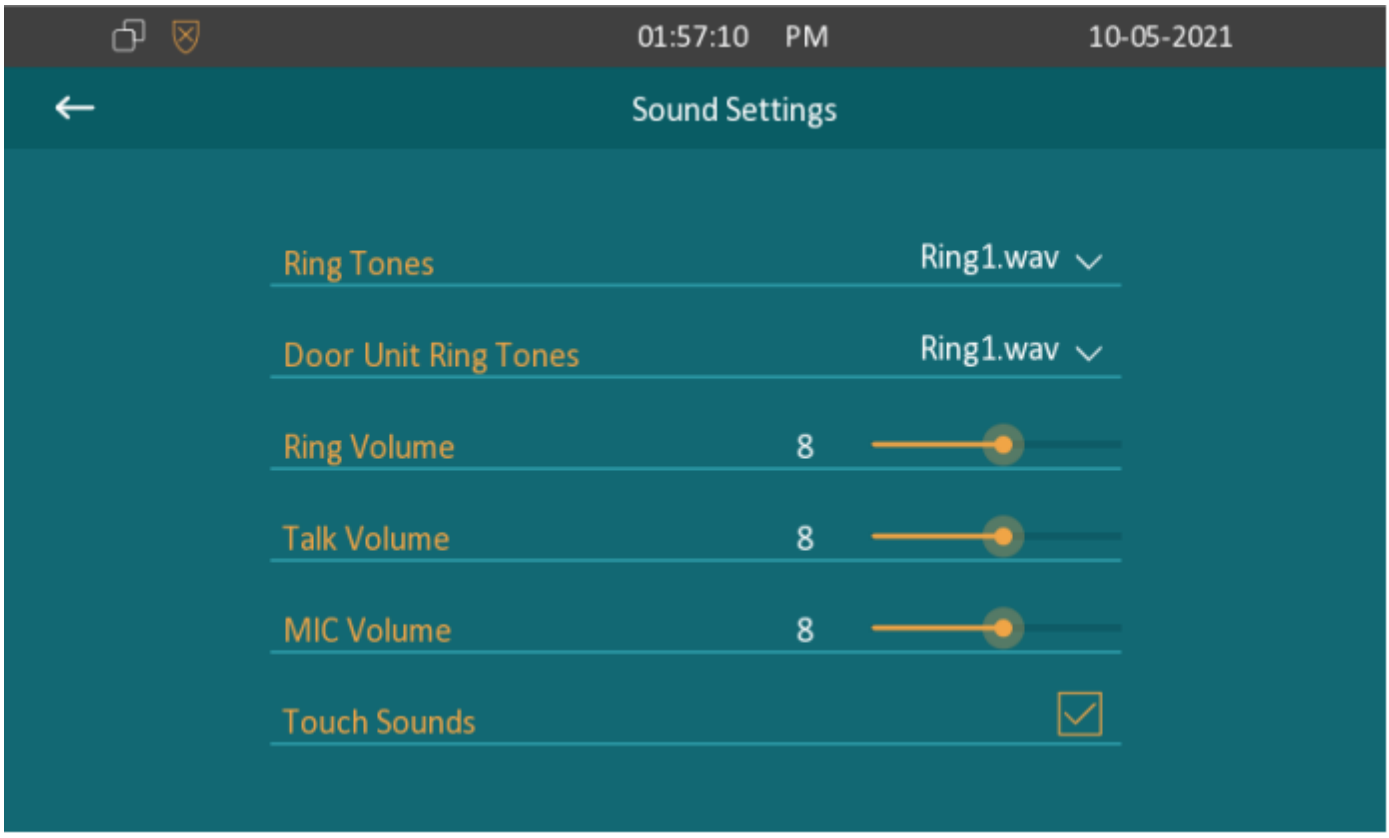
8. Sound and Volume Configuration

Akuvox C313 series indoor monitors provide you with various types of ringtones and volume configurations ranging from Mic volume, Ring volume, Talk volume, Tone volume and Media volume. You can configure them on the device directly or on the web interface.

8.1. Volume Configuration

8.1.1. Configure Volume on the Device

To set up the volumes on the device screen **More > Setting > Sound**.



Parameter Set-up:

- **Ring tones:** select ringtone for incoming calls.
- **Door Unit Ring tones:** To set ring tone when receiving calls from Akuvox door units.
- **Ring Volume:** adjust the incoming call ringtone volume.
- **Volume:** adjust the speaker volume during the call.
- **Mic Volume:** adjust the volume of your voice to be heard.

- **Touch Sound:** To enable sound when you press screen.

8.1.2. Configure Volume on the Web Interface

You can configure the tones and customize your doorbell sound by uploading the audio file to your preference on device web interface **Phone > Ringtones**.

Parameter Set-up:

- **Upload:** to choose the suitable sound file from the local folder.
- **Ringtones:** to set ring tone for incoming calls.
- **Door Unit Ring Tones:** To set ring tone when receiving calls from Akuvox door units.

Note:

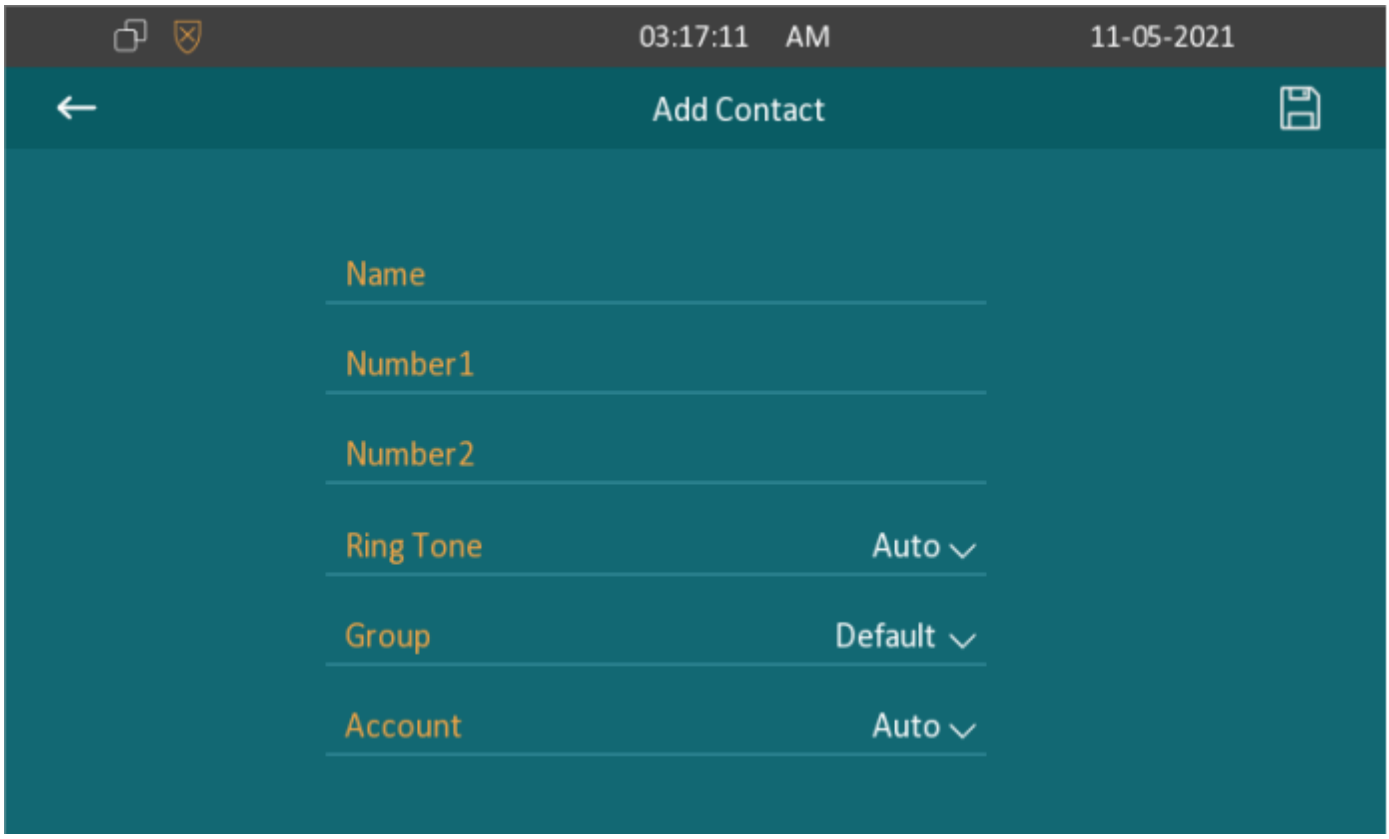
- Doorbell sound files to be uploaded must be **.WAV** or **MP3** format with 250k maximum.

9. Phone Book Configuration

9.1. Phone Book Configuration on the Device

You can configure the contacts list in terms of adding and modifying contact groups or contacts on the device **More > Contacts** directly.

9.1.1. Add Contacts

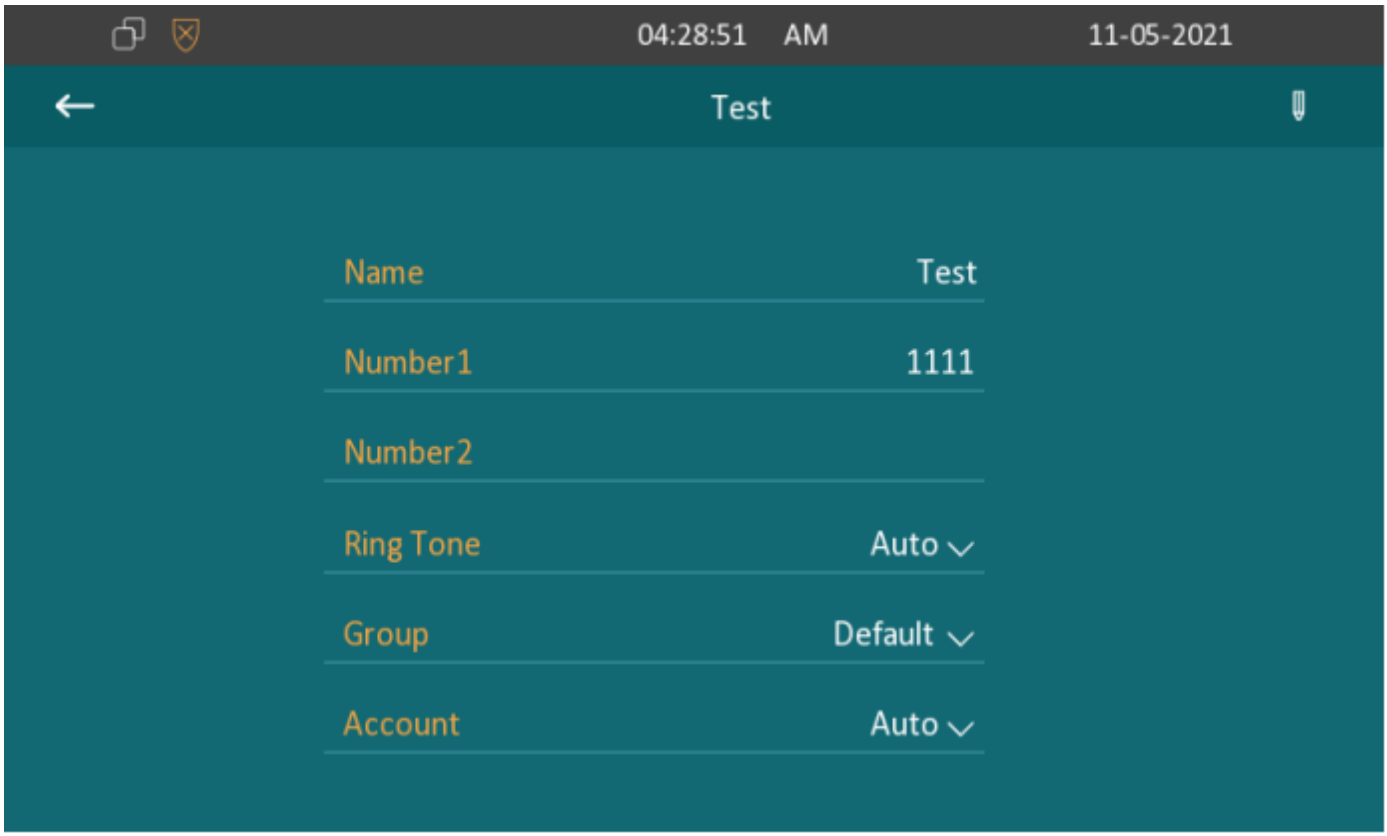


Parameter Set-up:

- **Contact Name**: enter the name and save.
- **Number**: enter the IP or SIP number to save.
- **Ring Tone:** Select ring tone for this contact.
- **Group**: select Default or any other groups that have been created.
- **Account**: select which account to use to dial out, Account 1 or Account 2.

9.1.2. Edit Contacts

Select the exiting contact and click **Edit** to modify.



9.1.3. Blocklist Settings on the Device

you can choose from the contact list the contact you want to add to the block list

Note:

- You can delete contacts regardless of whether it is on the **All Contacts** screen or the **Blocklist** screen.

9.2. Phone Book Configuration on the Web Interface

9.2.1. Contact Configuration

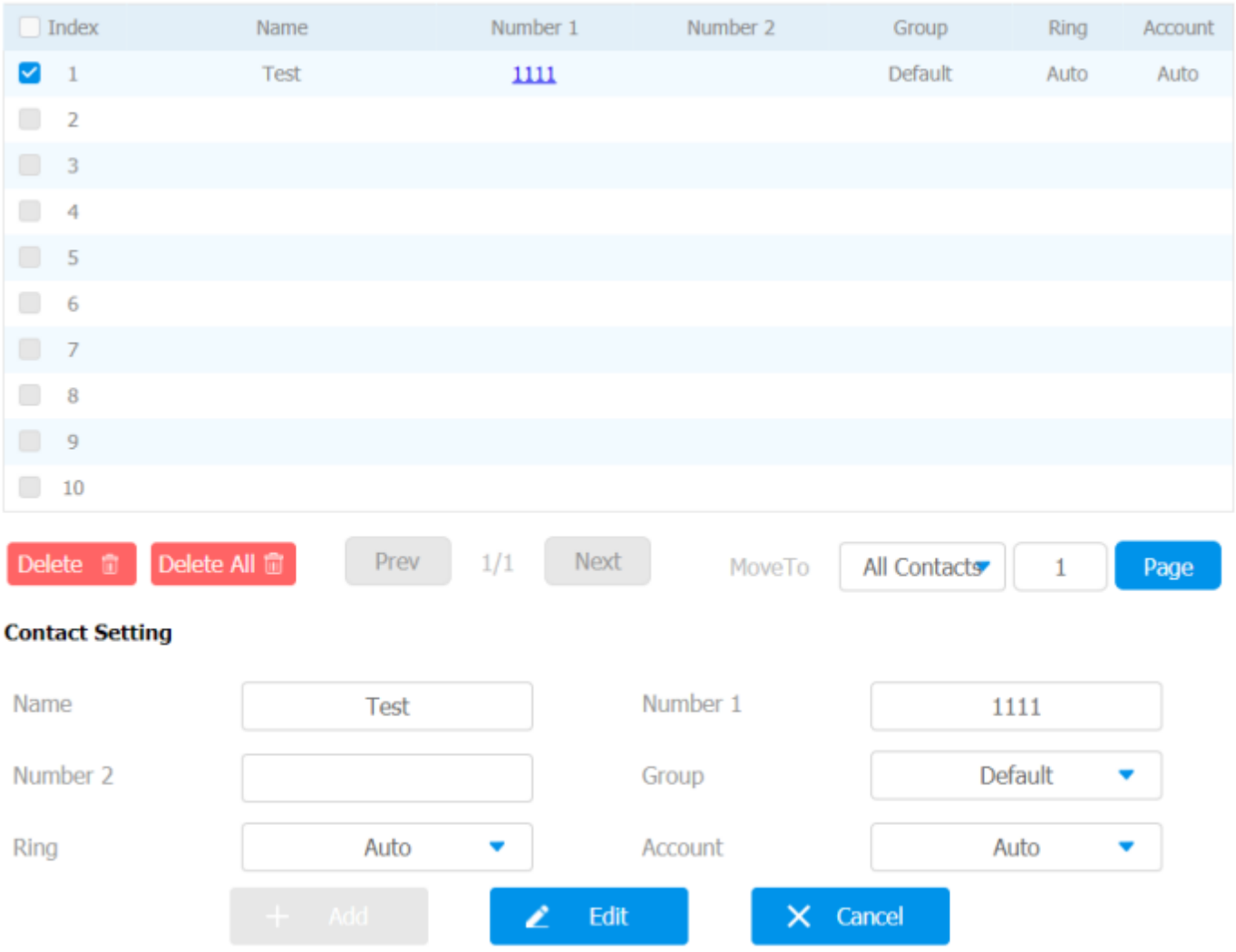
To luct contact configuration on web Contacts > Local Contacts interf
The new contact will be shown in the below list after it is added.

Parameter Set-up:

- **Name:** enter the contact's name to be saved.
- **Number:** enter the contact number (SIP or IP number) to be saved.
- **Group:** select Default or Blocklist group.
- **Account:** select Account1 or Account2.

9.2.2. Contact Management

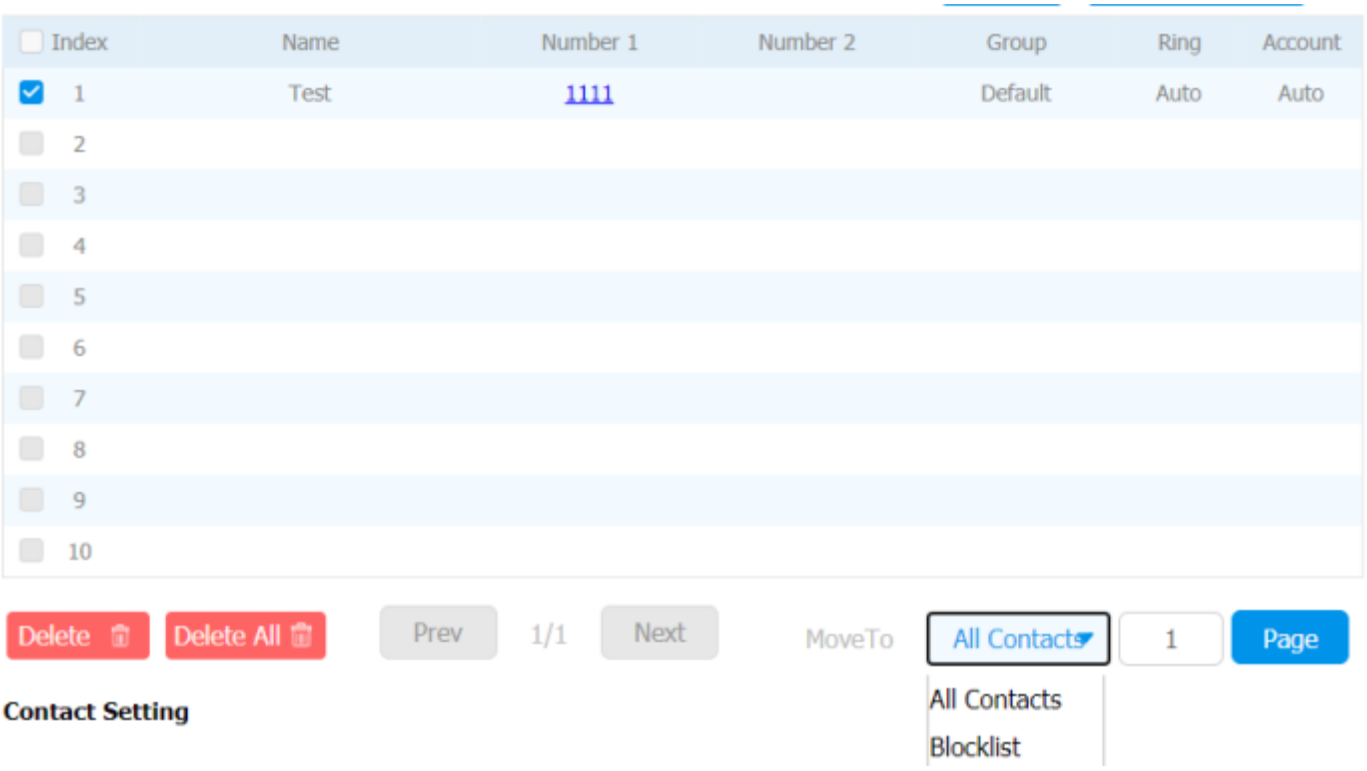
You can search, display, edit, and delete the contacts in your contacts list on web **Contacts > Local Contacts interface.**



You can dial out a number using the contact phone number on web **Contacts > Local Contacts** interface.

9.2.3. Block List Setting on the Web Interface

You can set the blocklist directly in the contact list on the web **Contacts > Local Contacts > Local Contacts List** interface or set it when editing a contact.

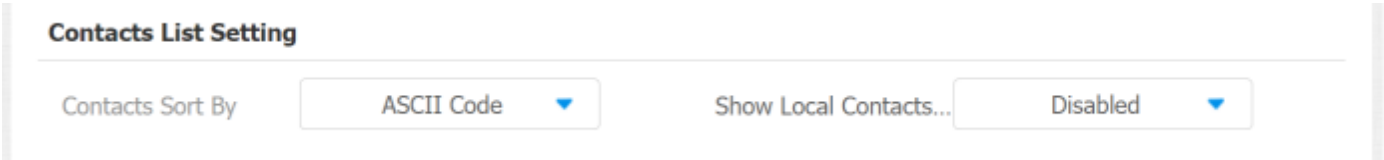


Note:

- If you want to remove the contact from the blocklist on the web interface, you can change the group to the "**Default**" when editing the contact.

9.2.4. Contact Display

You can configure the contact display order and control whether to display the discovery device on the device.



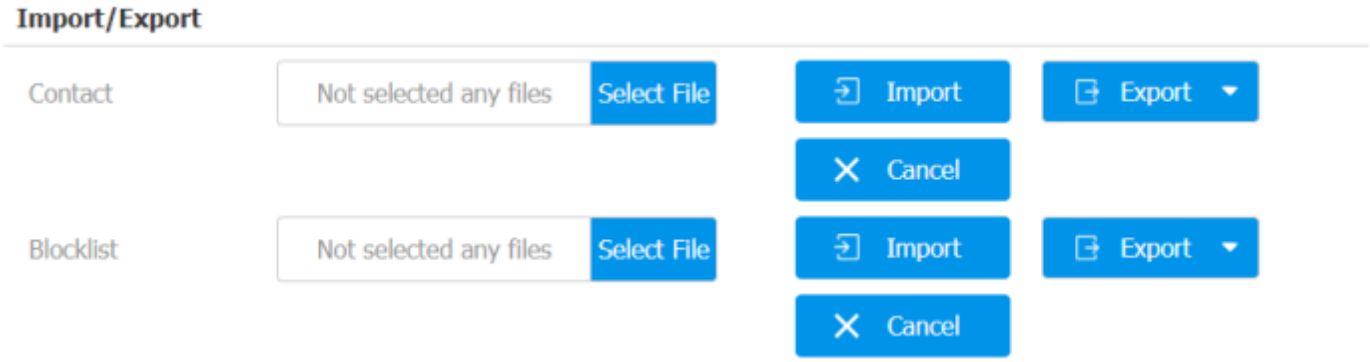
Parameters Set-up:

- **acts Sort By:** There are three modes Default, ASCII code and Created time mode for showing the contact list.

- **Show Local Contacts Only:** if enable the function, the contact on device will only show local phonebook, the contact for discovery mode will be hidden.

9.2.5. Contacts Import and Export on the Web Interface

When the contact becomes so many that you cannot afford to manage each contact one by one manually, you can import and export the contacts in batch on the device web **Contacts > Local Contacts** interface.



Note:

- The contact file can only be imported or exported in .xml or .csv format.

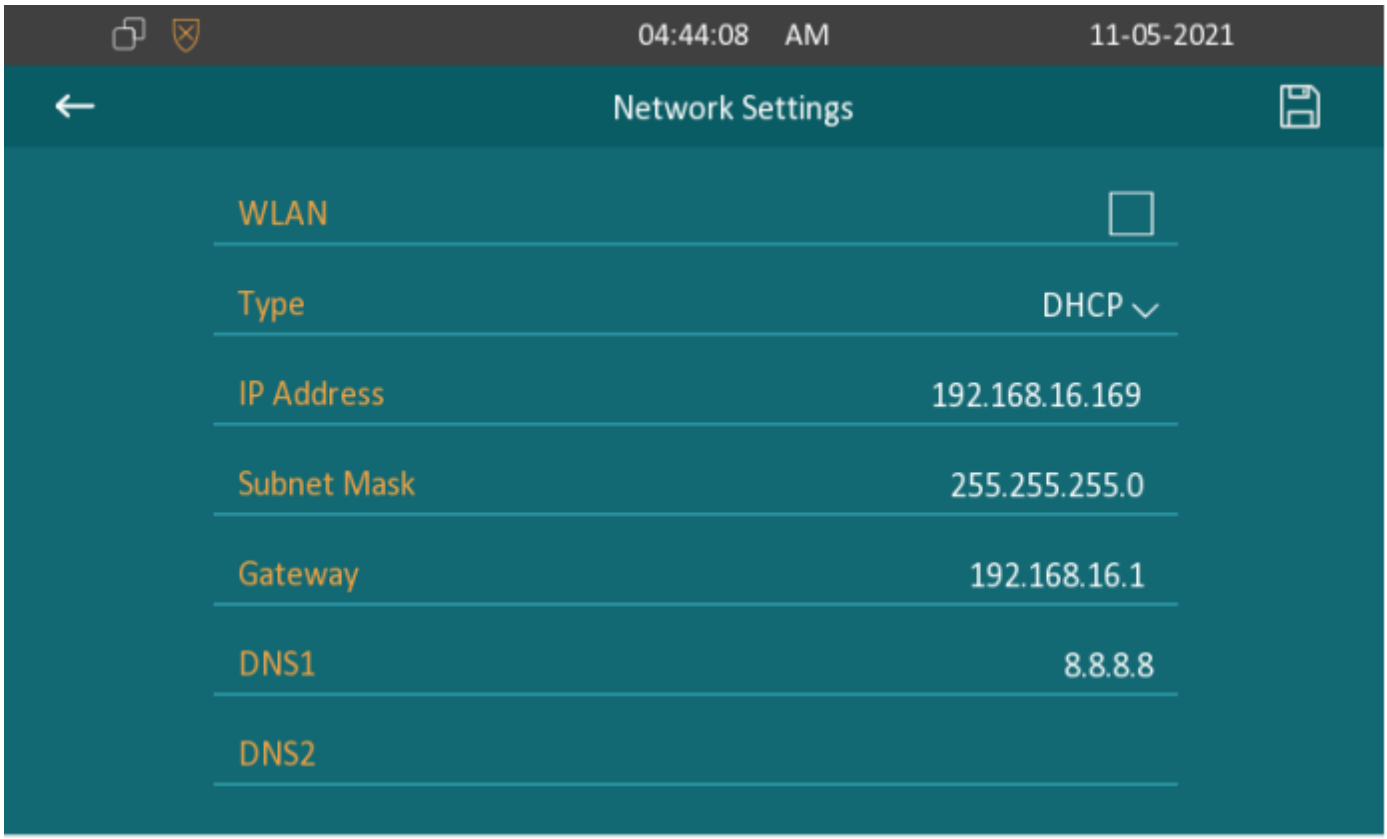
10. Network Setting

10.1. Device Network Configuration

You can check for the C313 network connection info and configure the default DHCP mode (**Dynamic Host Configuration Protocol**) and static IP connection for the device either on the device or on the device web interface.

10.1.1. Configuring Network Connection on the Device

To k and configure the network connection on the device screen **More > Se > ice > Network**.



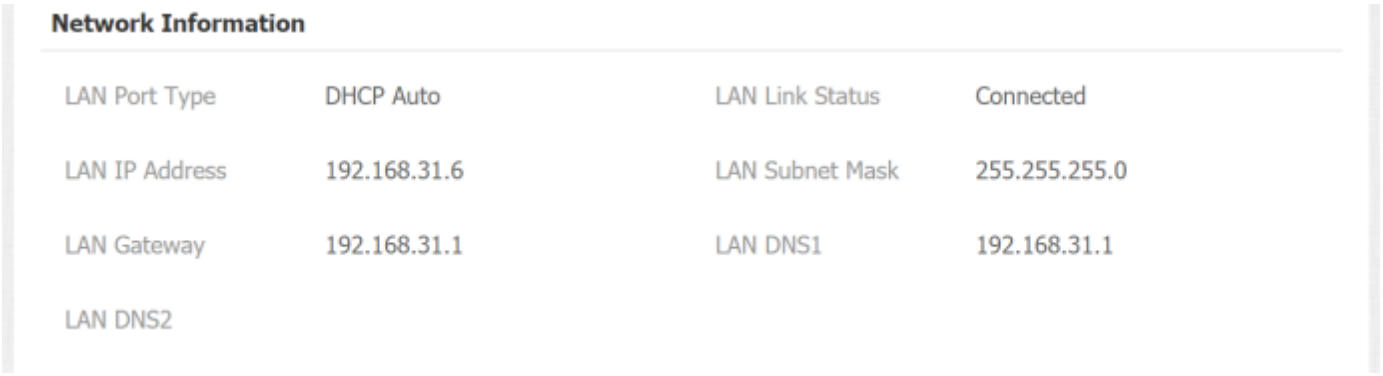
Parameter Set-up:

- **Type**: select the **DHCP** mode or **Static** mode. DHCP mode is the default network connection. If the **DHCP** mode is selected, then the door phone will be assigned by the DHCP server with IP address, subnet mask, default gateway, and DNS server address automatically. When **Static IP** mode is selected, then the IP address, subnet mask, default gateway, and DNS servers address have to be manually configured according to your actual network environment.
- **IP Address**: set up the IP Address if the static IP mode is selected.
- **Subnet Mask**: set up the subnet Mask according to your actual network environment.
- **Gateway**: set up the gateway according to the IP address of the default gateway.
- **LAN DNS 1/2**: set up preferred or alternate DNS Server (**Domain Name Serve**r) according to your actual network environment. Preferred DNS server is the primary DNS server address while the alternate DNS server is the secondary server address and the door phone will connect to the alternate server when the primary DNS server is unavailable.

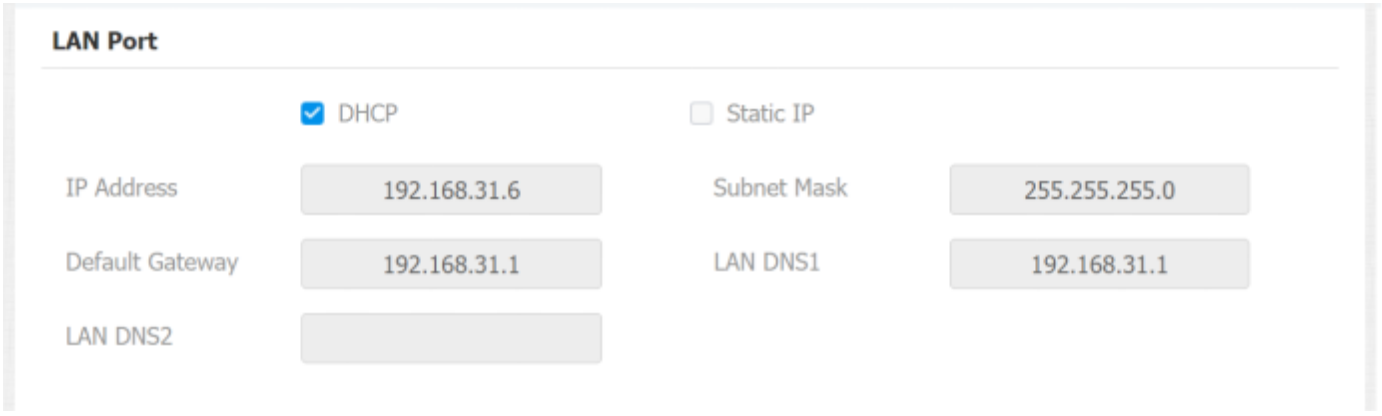
- You can press **System Info** icon and then press **Network** tab on the **Settings** screen to check the device network status.
- The default system code is "**123456**".

10.1.2. Configuring Device Network Connection on the Web Interface

To check the network on the web **Status > Network information interface.**



To check and configure network connection on the device web **Network > Basic interface.**



Parameter Set-up:

- **DHCP**: select the **DHCP** mode by checking the DHCP box. DHCP mode is

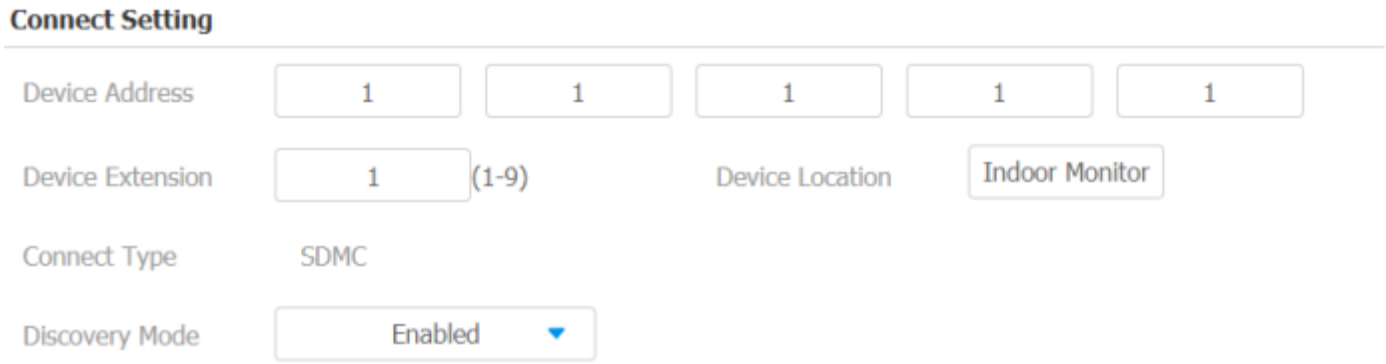
lefault network connection. If the DHCP mode is selected, then

indoor monitor will be assigned by the DHCP server with IP address, subnet mask, default gateway, and DNS servers address automatically.

- **Static IP**: select the Static IP mode by checking off the DHCP square box. When static IP mode is selected, then the IP address, subnet mask, default gateway, and DNS servers address have to be manually configured according to your actual network environment.
- **IP Address**: set up the IP address if the static IP mode is selected.
- **Subnet Mask**: set up the subnet mask according to your actual network environment.
- **Default Gateway**: set up the gateway on default gateway according to the IP address of the default gateway.
- **LAN DNS1/2 Server**: set up DNS (**Domain Name Server**) according to your actual network environment. **Preferred DNS Server** is the primary DNS server address while the **Alternate DNS Server** is the secondary server address and the door phone connects to the alternate DNS server when the preferred DNS server is unavailable.

10.2. Device Deployment in Network

Akuvox C313 series indoor monitors should be deployed before they can be properly configured in the network environment in terms of their location, operation mode, address and extension numbers as opposed to other devices for device control and the convenience of the management. **To deploy the device in the network on web Network > Advanced > Connect Setting interface.**



Parameter Set-up:

- **Connect Type:** It is automatically set up according to the actual device ection with a specific server in the network such as **SDMC** or **C and None. None** is the default factory setting indicating the device

not in any server type, therefore you are allowed to choose Cloud, SDMC in discovery mode.

- **Discovery Mode:** to turn on the discovery mode of the device so that it can be discovered by other devices in the network, and disable if you want to conceal the device so as not to be discovered by other devices.
- **Device Address:** specify the device address by entering device location info from the left to the right: **Community, Unit, Stair, Floor, Room** in sequence.
- **Device extension**: enter the device extension number for the device you installed.
- **Device Location**: enter the location in which the device is installed and used.

10.3. Device NAT Setting

NAT (**Network Address Translation**) allows hosts in an organization's private intranet to transparently connect to hosts in the public domain.

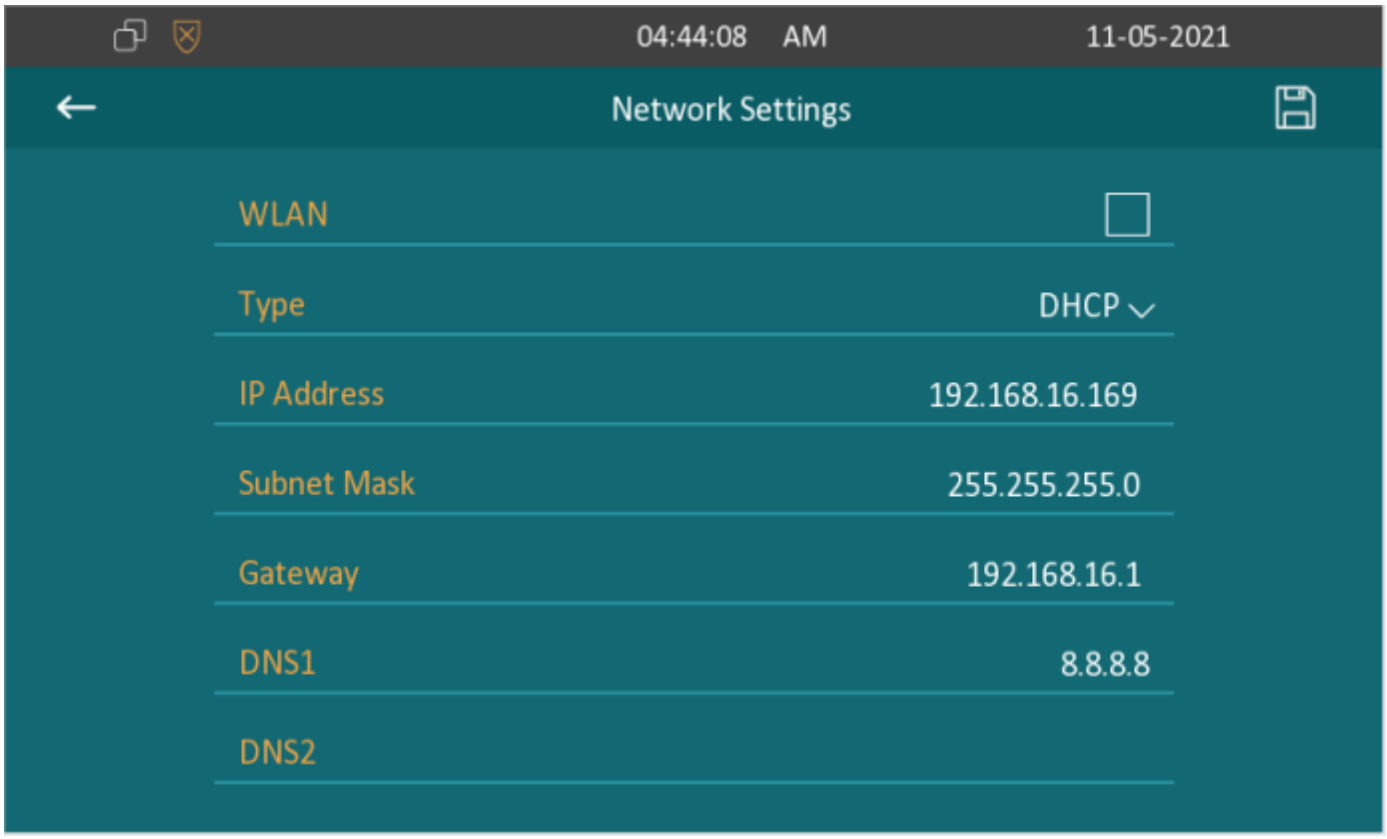
There is no need for internal hosts to have registered Internet addresses. It is a way to translate the internal private network IP address into a legal network IP address technology. To set up NAT, you can do it on web **Account > Advanced > NAT** interface.

Parameter Set-up:

- **RPort**: check the RPort when the SIP server is in WAN (**Wide Area Network**).

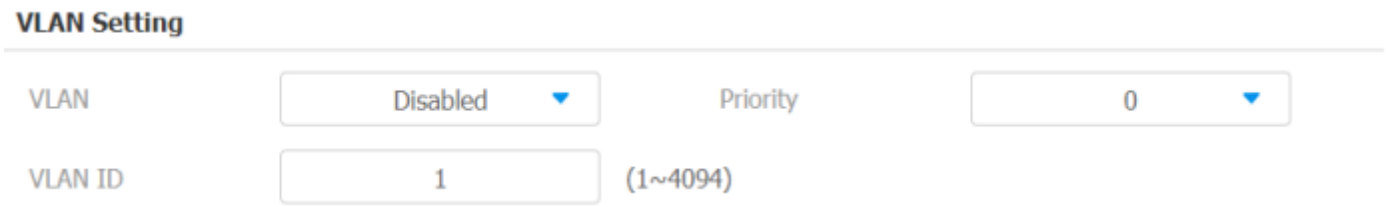
10.4. Device Wi-Fi Setting

In addition to wired connection, the device also supports Wi-Fi connection. You can set the Wi-Fi on device screen More > Setting > **Advance > Network**.



10.5. VLAN Setting

VLAN (Virtual Local Area Network) is a logical grouping of two or more nodes which are not necessarily on the same physical network segment but which share the same logical IP domain. To be specify, the purpose of VLAN is to separate layer 2 broadcast domain. Within trunk links, the tagged packet will only be sent to those ports with same VLAN ID. This is usually achieved by switch or router. To configure VLAN function on the device web interface **Network > Advanced > VLAN Setting**.



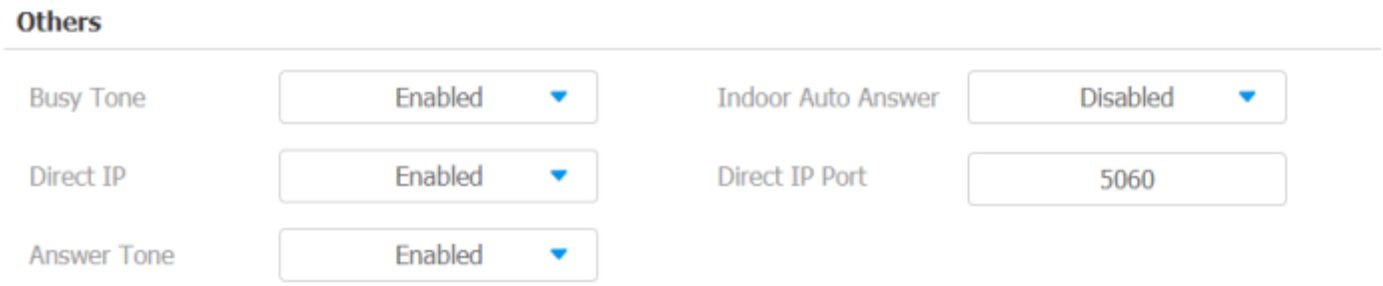
Parameter Set-up:

- **VLAN:** Enable or Disable VLAN function.
- **Priority:** VLAN Priority lets you assign a priority to outbound packets containing the specified VLAN-ID (VID). Packets containing the specified VID are marked with the priority level configured for the VID classifier.
- **VLAN ID:** Set the same VLAN ID as Switch or Router.

11. Intercom Call Configuration

11.1. IP call & IP Call Configuration

IP calls can be made directly on the intercom device by entering the IP number on the device. And you can also disable the direct IP call if you allow no IP call to be made on the device. To configure the IP call feature and port on the device web **Phone > Call Feature > Others** interface.



Parameter Set-up:

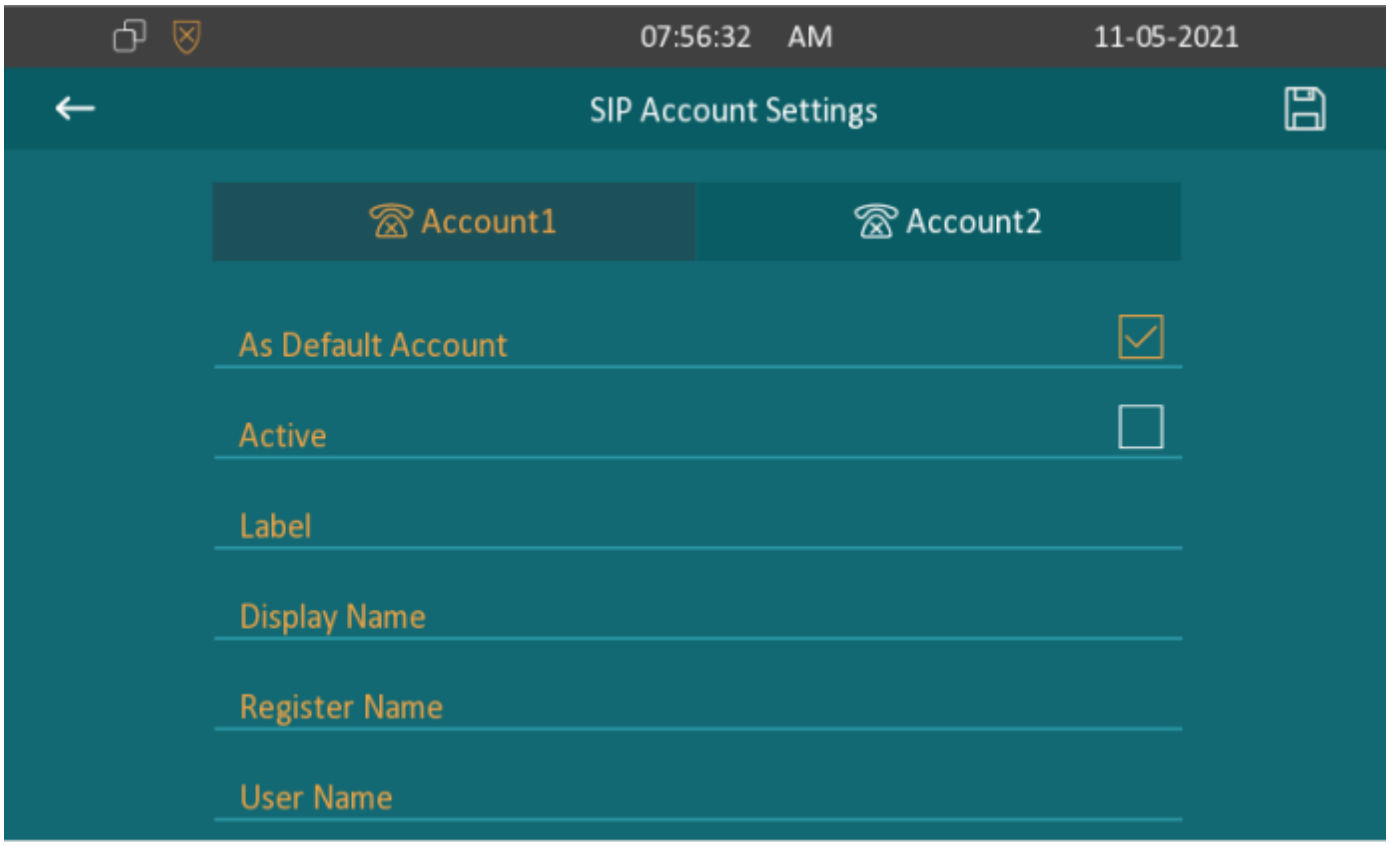
- **Direct IP Call**: tick the check box to enable the direct IP call. For example, if you do not allow direct IP call to be made on the device, you can untick the check box to terminate the function.
- **Direct IP Call Port**: the direct IP Call Port is "**5060**" by default with the port range from **1-65535**. And you enter any values within the range other than the 5060, you are required to check if the value entered is consistent with the corresponding value on the device you wish to establish a data transmission with.

11.2.SIP Call &SIP Call Configuration

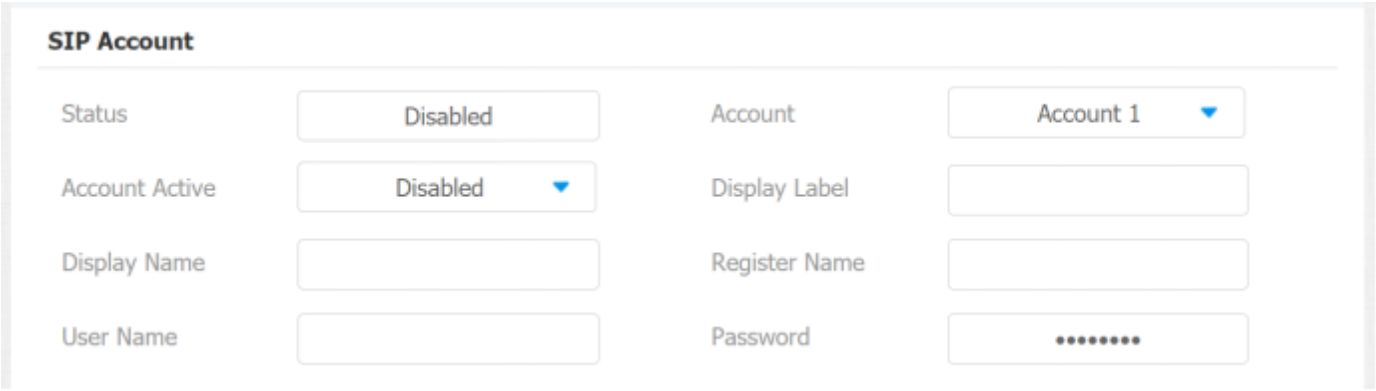
You can make SIP call (**Session Initiation Protocol**) in the same way as you do for making the IP calls on the device. However, SIP call parameters related to its account, server, and transport type need to configured first before you can make calls on the device.

11.3.SIP Account Registration

Akuvox C313 series indoor monitors support two SIP accounts that can all be registered according to your applications. For example, you can switch between the two SIP accounts. The SIP account can be configured on the device and on the device interface. To configure the SIP account on the device screen **More > Setting > A ıce > SIP Account**.



The parameter settings for SIP account registration can be configured on the Account setting screen and they can also be configured on the device web interface. To perform the SIP account setting on the Web **Account > Basic > SIP Account** Interface.



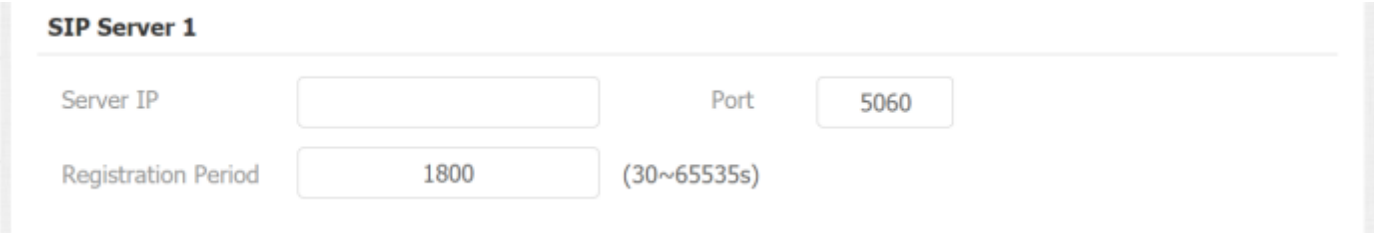
Parameter Set-up:

- **Status**: check to see if the SIP account is registered or not.
- **Account**: select Account1 or Account2.
- **Account Enabled**: check to active the registered SIP account.
- **Display Label**: configure the device label to be shown on the device screen.
- **lay Name**: configure the name, for example, the device's name be shown on the device being called to.

- **Register Name**: enter the SIP account register Name obtained from the SIP account administrator.
- **Username**: enter the user's name obtained from SIP account administrator.
- **Password**: enter the password obtained from the SIP server.

11.4.SIP Server Configuration

SIP server can be set up for device in order to achieve call session through SIP server between intercom devices. To perform the SIP account setting on the Web **Account > Basic > SIP Server** Interface.

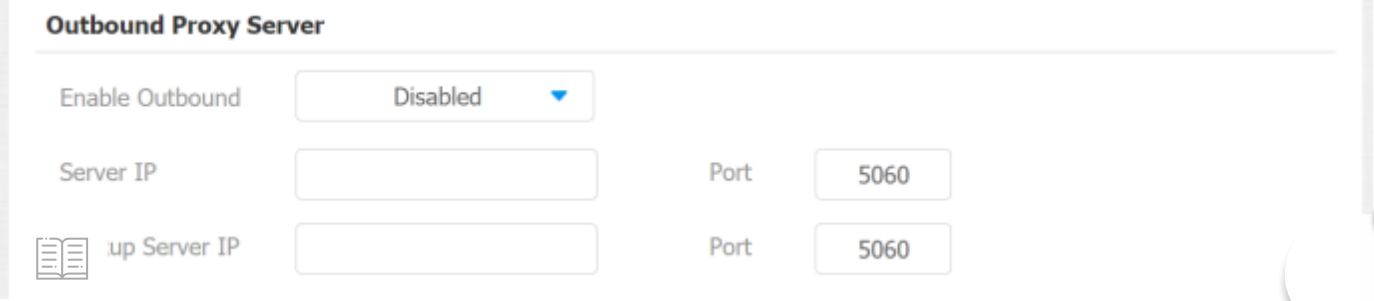


Parameter Set-up:

- **Server IP**: enter the Server's IP address number or its URL.
- **Port:** set up SIP server port for data transmission.
- **Registration Period:** set up SIP account registration time span. SIP re-registration will start automatically if the account registration fails during the registration time span. The default registration period is **"1800"**, ranging from **30-65535s**.

11.5. Outbound Proxy Server configuration

An outbound proxy server is used to receive all initiating request messages and route them to the designated SIP server in order to establish call session via port-based data transmission. To configure outbound Proxy server on **Account > Basic > Outbound Proxy Server** interface.

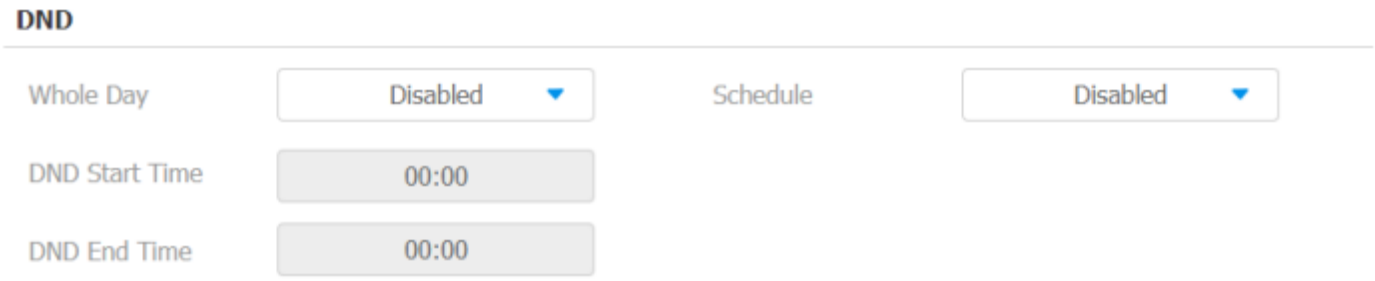


Parameter Set-up:

- **Outbound Enable:** enable or disable to turn on or turn off the outbound proxy server.
- **Preferred Outbound Proxy Server:** enter the SIP address of the outbound proxy server.
- **Preferred Outbound Proxy Port:** enter the Port number for establishing call session via the outbound proxy server.
- **Alternate Outbound Proxy Server:** set up Backup Server IP for the backup outbound proxy server.
- **Alternate Outbound Proxy Port:** enter the Port number for establishing call session via the backup outbound proxy server.

11.6.SIP Call Configuration

DND (**Do not disturb**) setting allows you not to be disturbed by any unwanted incoming SIP calls. You can set up DND related parameters properly on the device web **Phone > Call Feature > DND** interface to block SIP calls you do not intend to answer. In the meantime, you can also define the code to be sent to the SIP server when you want to reject the call.



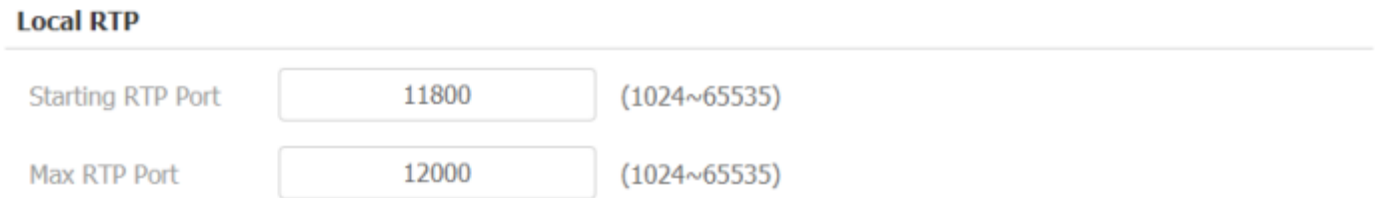
Parameter Set-up:

- **DND**: check **Whole Day** or **Schedule** to enable the DND function. DND function is disabled by default.
- **Schedule:** enable DND schedule for your indoor monitor. To configure a fic time to enable DND feature. If you choose **Schedule** for DN the Whole Day tab is available.

- **DND Start Time:** the start time for DND schedule.
- **DND End Time:** the end time for DND schedule.

11.7. Device Local RTP configuration

For the device network data transmission purpose, device needs to be set up with a range of RTP port (**Real-time Transport Protocol**) for establishing an exclusive range of data transmission in the network. To set up device local RTP on web **Network > Advanced > Local RTP** interface.

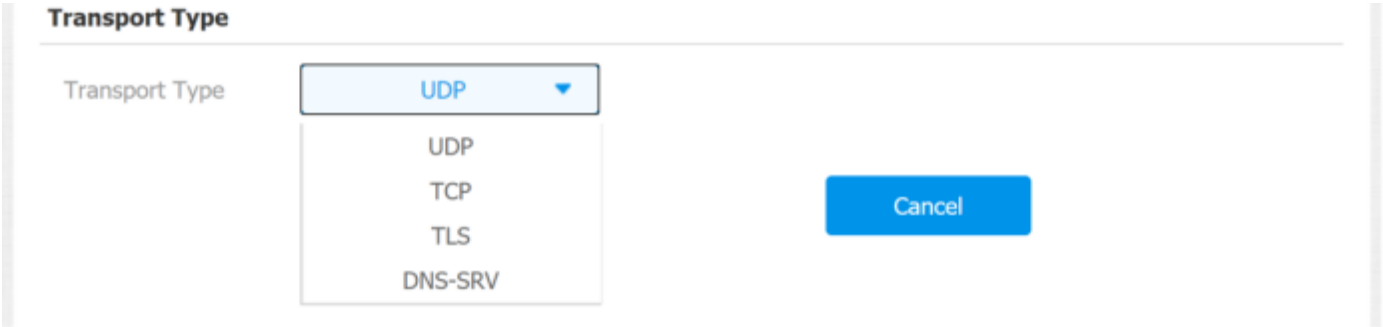


Parameter Set-up:

- **Starting RTP Port**: enter the Port value in order to establish the start point for the exclusive data transmission range.
- **Max RTP port**: enter the Port value in order to establish the end point for the exclusive data transmission range.

11.8. Data Transmission Type Configuration

SIP message can be transmitted in three data transmission protocols: **UDP** (**User Datagram Protocol**), **TCP** (**Transmission Control Protocol**), **TLS** (**Transport Layer Security**) and **DNS-SRV.** In the meantime, you can also identify the server from which the data come from. To do this configuration on web **Account > Basic > Transport Type** interface.



Parameter Set-up:

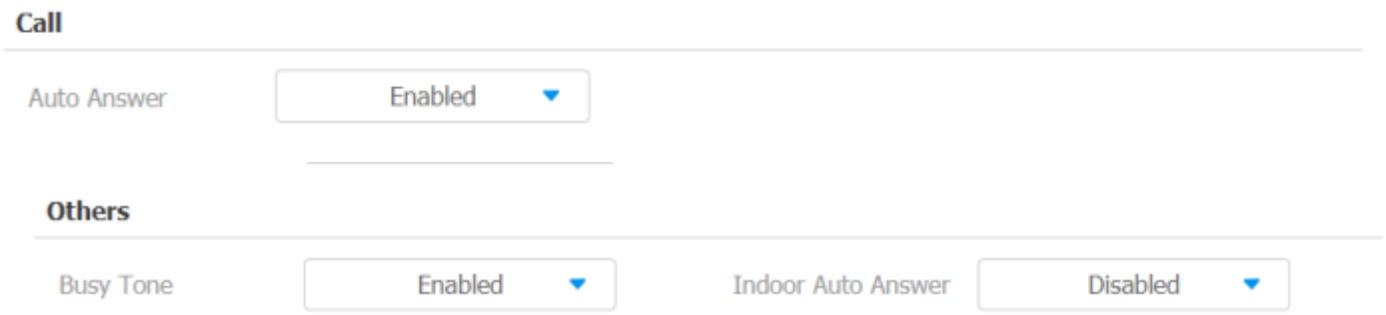
- 📖 : select **"UDP"** for unreliable but very efficient transport layer protocol. UDP is the default transport protocol.

- **TCP:** select "**TCP**" for Reliable but less-efficient transport layer protocol.
- **TLS**: select "**TLS**" for Secured and Reliable transport layer protocol.
- **DNS-SRV:** select "**DNS-SRV**" to obtain DNS record for specifying the location of services. And **SRV** not only records the server address but also the server port. Moreover, SRV can also be used to configure the priority and the weight of the server address.

11.9. Call Setting

11.9.1. Call Auto-answer Configuration

C313 will auto answer all incoming calls if call auto-answer is enabled and receive live stream if live stream is enabled. **To enable or disable on web Account > Advanced > Call > Auto Answer interface. And set up the corresponding auto answer parameters on web Phone > Call Feature > Others interface.**

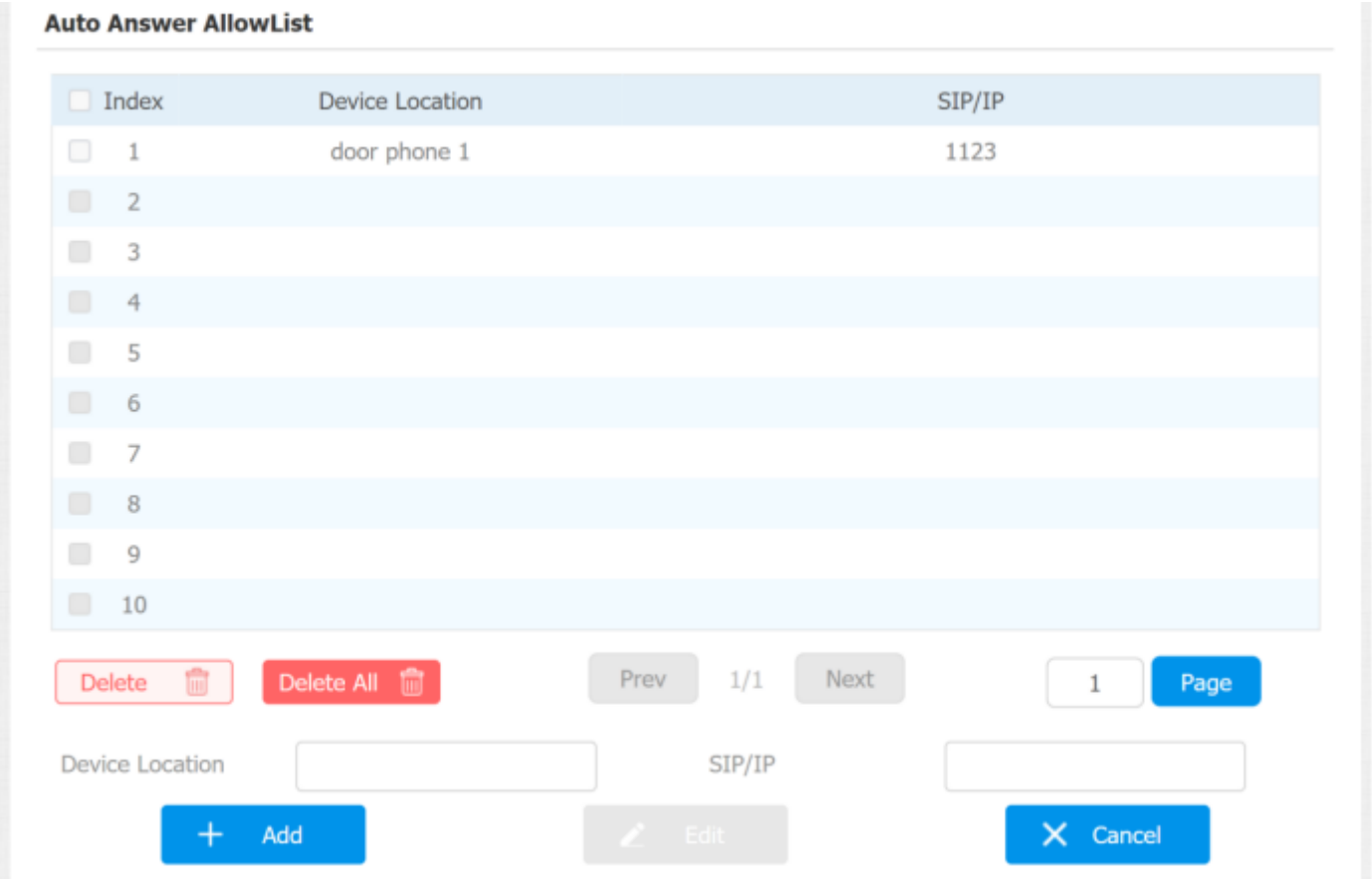


Parameter Set-up:

- **Auto Answer:** turn on the Auto Answer function by ticking the square box.

11.9.2. Auto-answer Allow List setting

Auto answered can only be applicable to the SIP or IP numbers that are already added in the auto-answer allow list of your indoor monitor. Therefore, you are required to configure or edit the numbers in the white-list on web **Phone > Call Feature > Auto Answer AllowList interface.**



SIP/IP numbers can be imported to or exported out of the indoor monitor in batch on web **Phone > Call Feature > Import/Export interface.**

Note:

- SIP/IP number files to be imported or exported must be in either .xml or .csv format.
- SIP/IP number must be set up in the phone book of the indoor monitor before they can be valid for the auto-answer function

11.10. Intercom Call Configuration

If you want to see the image at the door station before answering the incoming call, you can enable the intercom preview function on web **Phone > Intercom > Intercom Preview interface**.

Parameter Set-up:

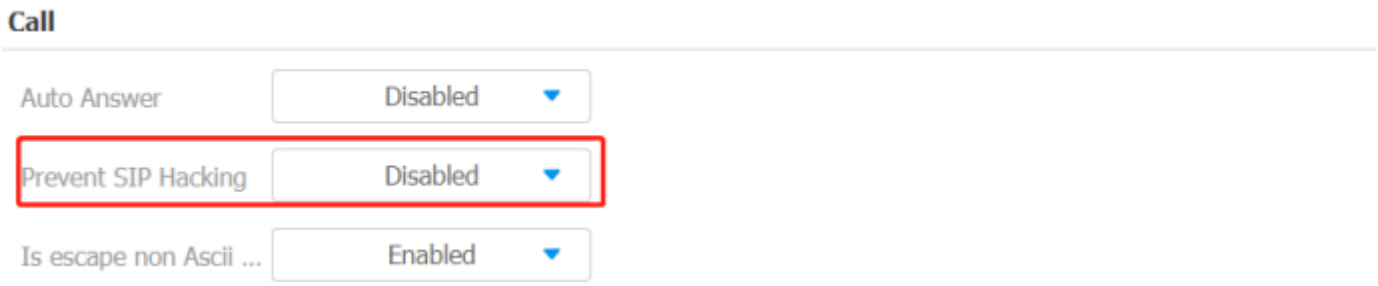
- **Intercom Preview:** select enable to enable the incoming call preview function.

  Note:

  - Group call is not available when you enable intercom preview function.

11.11.SIP Hacking Protection

Internet phone eavesdropping is a kind of network attack, which aims to eavesdrop on the communication sessions of others in an unauthorized way. Attackers can use this malicious activity to capture and read content containing sensitive and confidential information. SIP hacking prevents SIP call from hacking on the Internet.



Parameters Set-up:

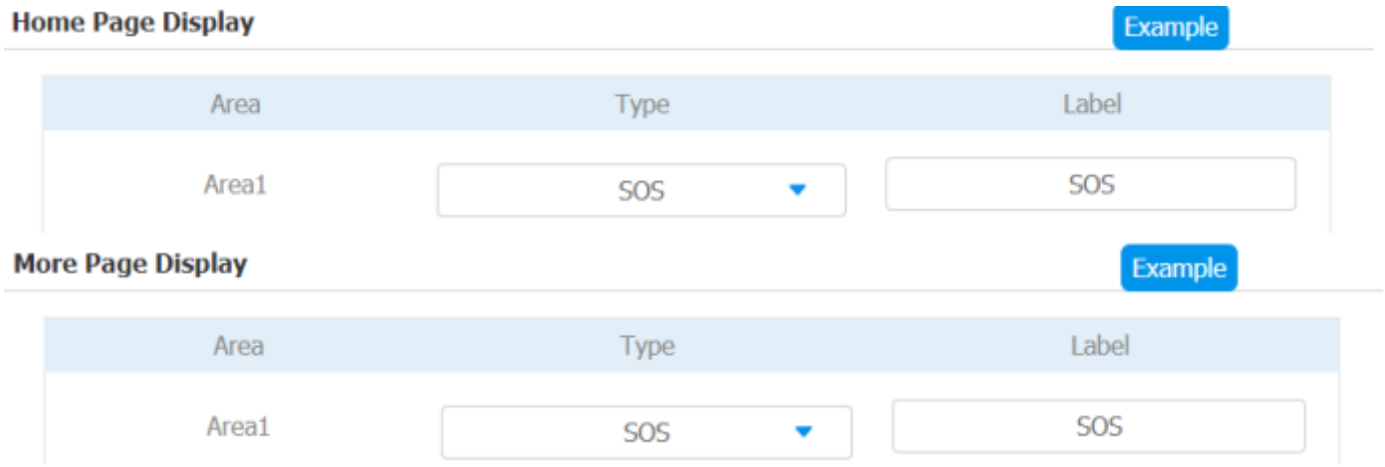
- **Prevent SIP Hacking:** enable to active this feature during using sip call. This feature is only available for SIP call, not IP call.

11.12. Emergency Call Setting

Emergency call is used to call out three emergency contacts when you are in urgent status. Especially for the elders and children. Press **SOS key,** the phone will au ically initiate the target SOS numbers.

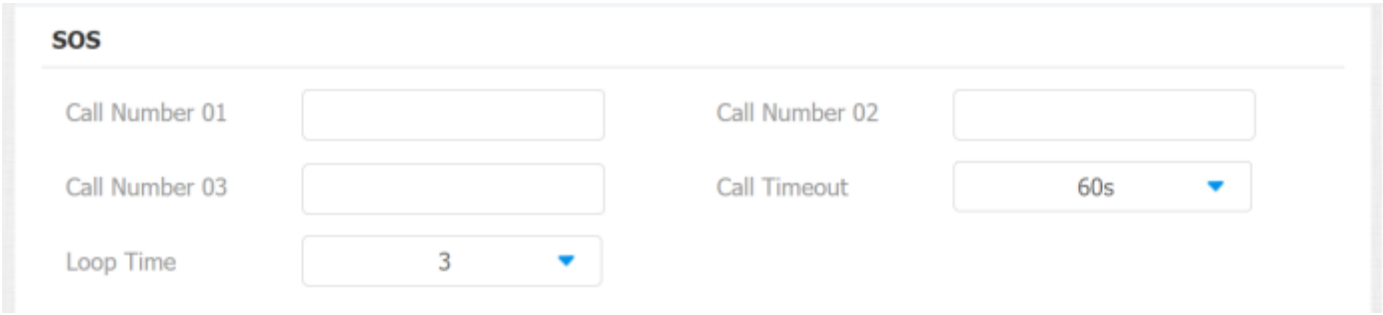
11.12.1.SOS icon Display

To display SOS softkey on web Phone > Key/Display interface. The icon will show in the main interface or more interface after configured.



11.12.2.SOS Number Settings on web Interface

To set up SOS numbers on device web **Phone > Intercom**.



Parameter Set-up:

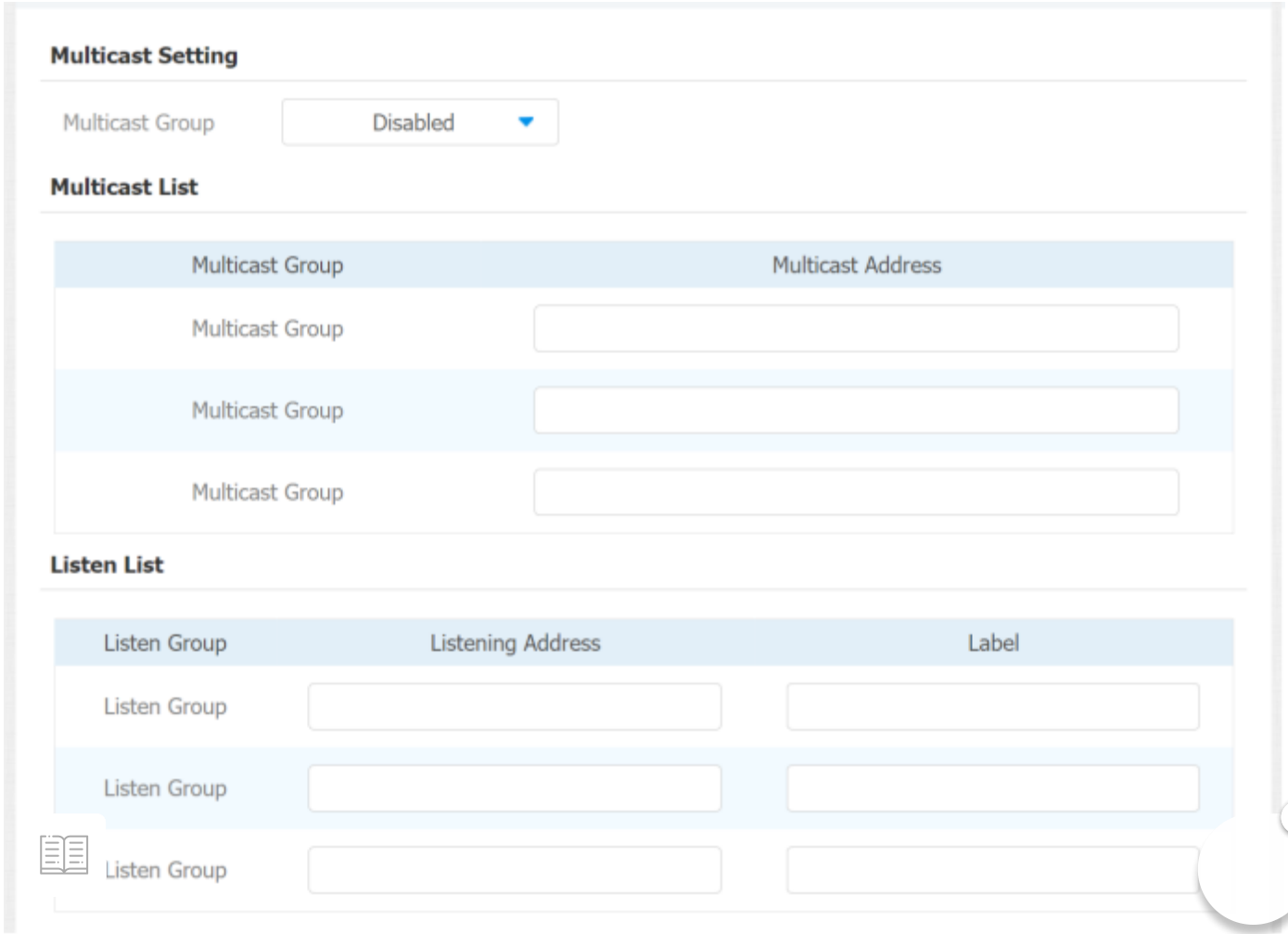
- **Call Number**: to set up 3 SOS numbers. Once users press SOS key on the home screen (SOS display key shall be set on the web manually), indoor monitors will call out the number in order.
- **Call Timeout**: set up the timeout for each number. Once users call out, if the other side will not answer within the timeout, indoor monitors will continue to call the next number.
- **Loop Times**: to set up number of calls.

11.12.3.SOS Number Settings on device

In addition to configure SOS number on device web interface, you can also configure it on device screen **More > Setting > Advance > SOS**.

11.13. Multicast Configuration

C313 allows you to conduct one-to-many broadcasting via multicast function on web **Phone > Multicast** interface.



Parameter Set-up:

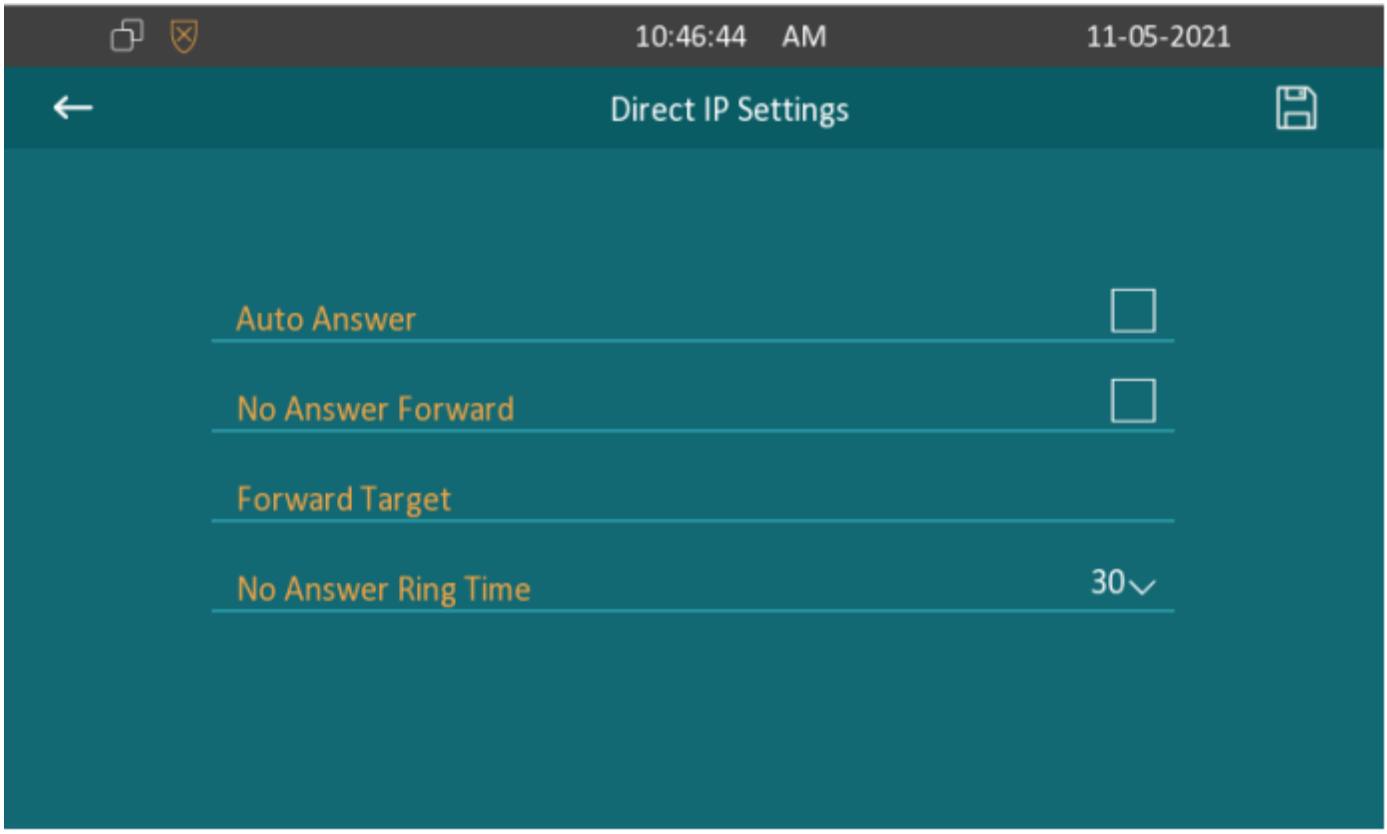
- **Multicast Setting:** to set the indoor monitor in one of the groups or disable this function.
- **Multicast List:** to fill in the parameters of multicast group. Indoor monitor will establish multicast calls to other indoor monitors which are set in multicast group.
- **Listen List:** to fill in the parameters of listen group. Indoor monitor will receive multicast calls if some indoor monitors call the listen group.
- **Label:** to show the label name on the calling interface if users establish all call.

11.14. Call Forwarding Setting

Call Forward is a feature used to redirect an incoming call to the specific third party. Users can redirect the incoming call if it is no answer.

11.14.1. Call Forwarding Configuration on the Device

To do the configuration on the device screen More > Setting > Advance > Dir**ect IP.**

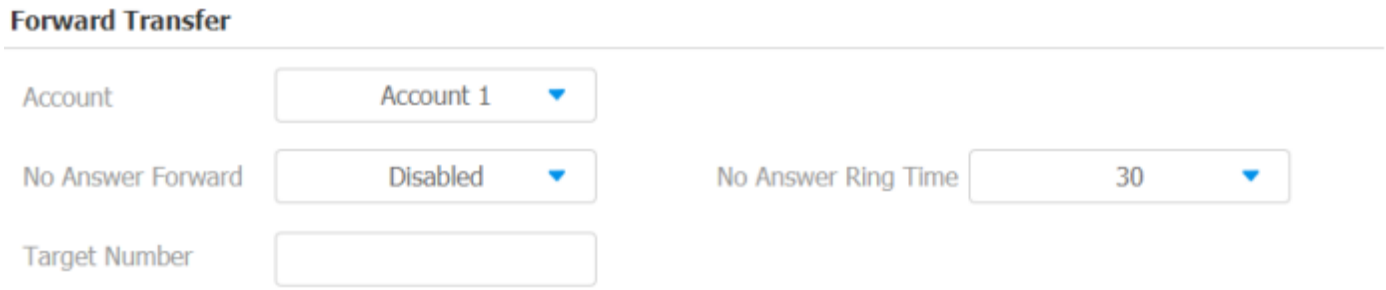


Pa ter Set-up:

- **No Answer Forward**: to enable no answer forwarding function; incoming calls will be forwarded to a specific number if phone is not answered.
- **Forward Target:** to enter the specific forward number if C313 enables **No Answer Forwarding**.
- **No Answer Ring Time:** to set the no answer time interval from 0-120 seconds before the call is transferred to a designated number.

11.14.2. Call Forwarding Configuration on the Web Interface

To set up forward function on web Phone > Call Feature > Forward Transfer inter**face.**



Parameter Set-up:

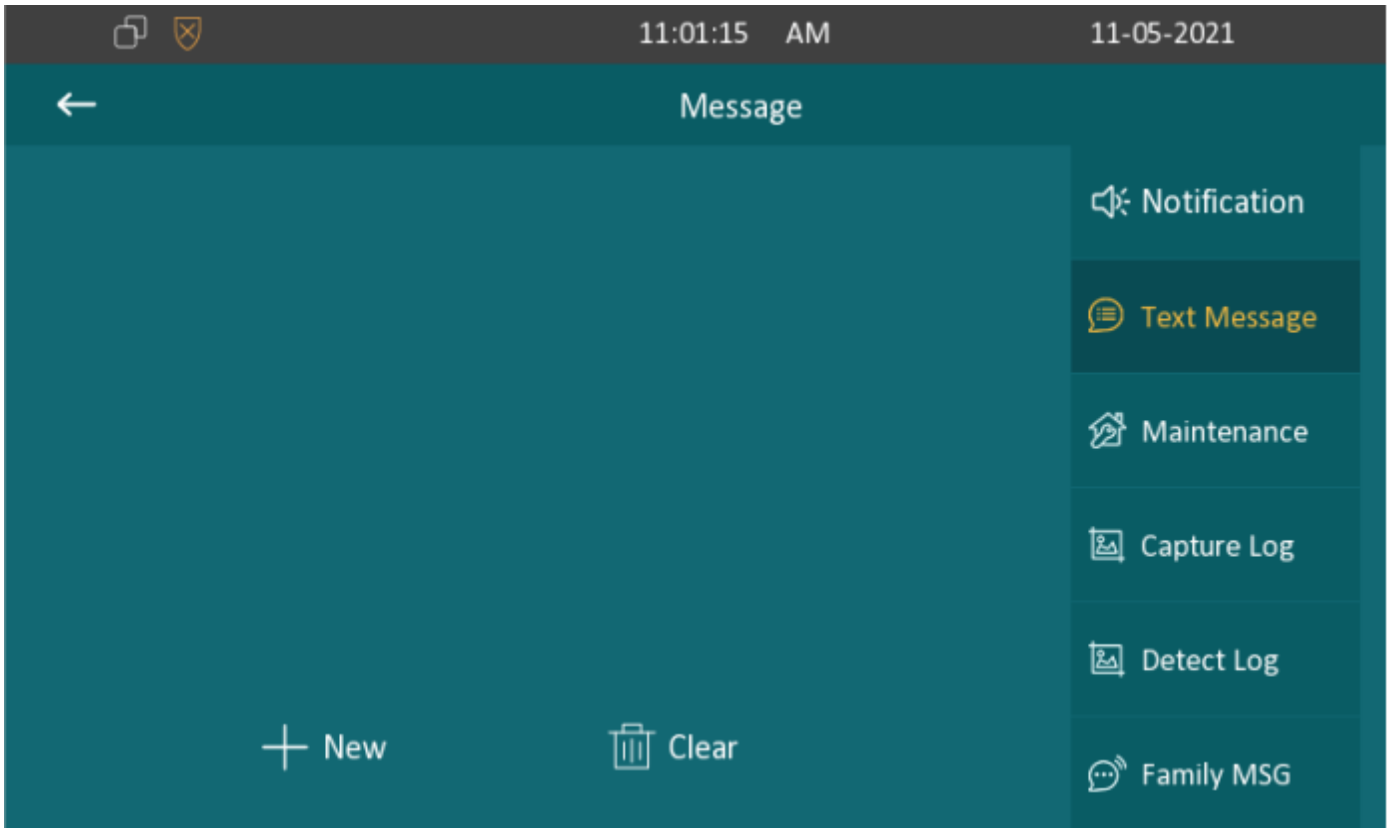
Account: To choose which account shall implement call forwarding feature.

12. Intercom Message Setting

You can read, create, and delete messages on the **Message** screen.

12.1. Manage Text Messages

You can check, create and clear messages as needed on the indoor monitor screen **Message > Text Message**.

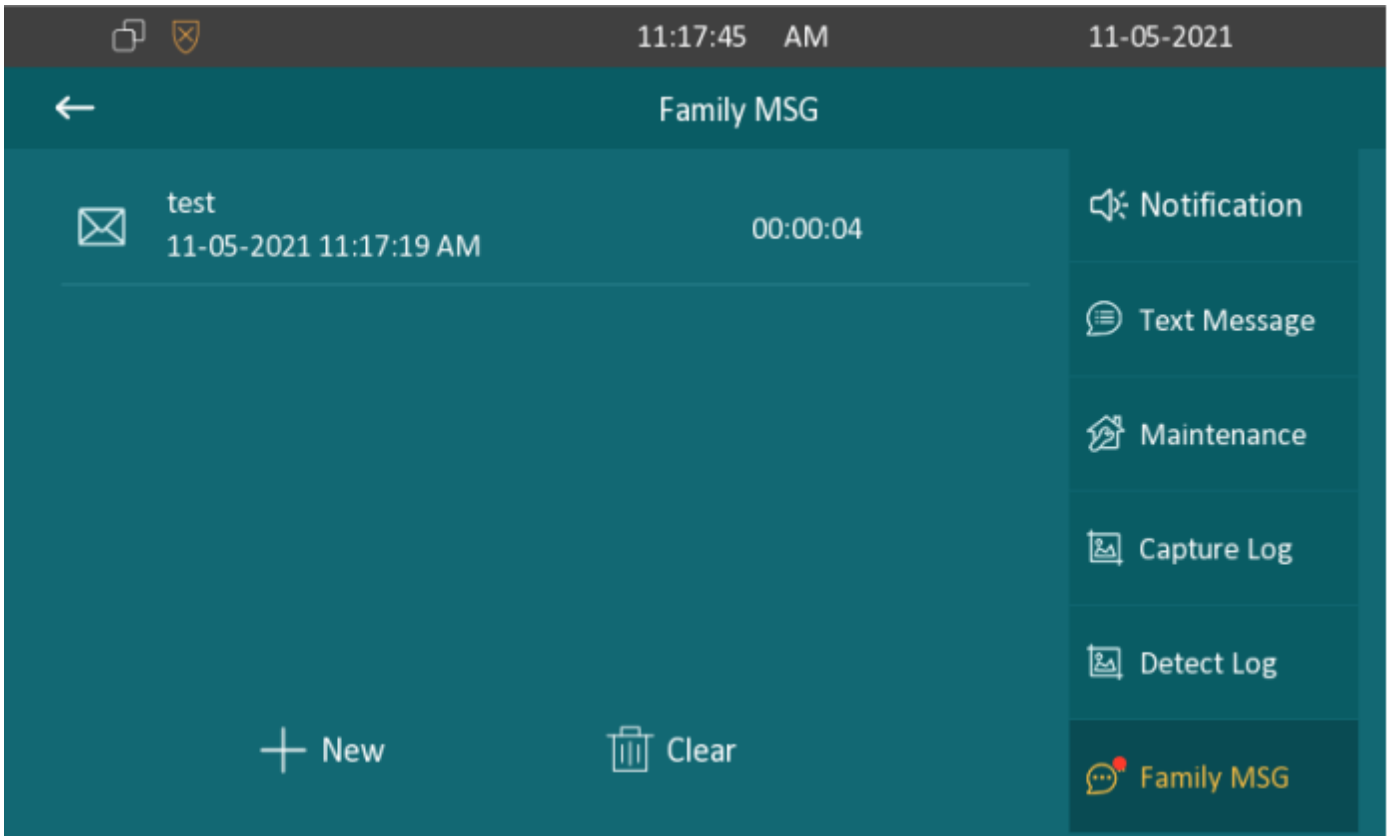


Parameter Set-up:

- **New:** press this icon to create a new message
- **Delete:** press this icon to clear the messages that have been selected.

12.2. Manage Voice Message

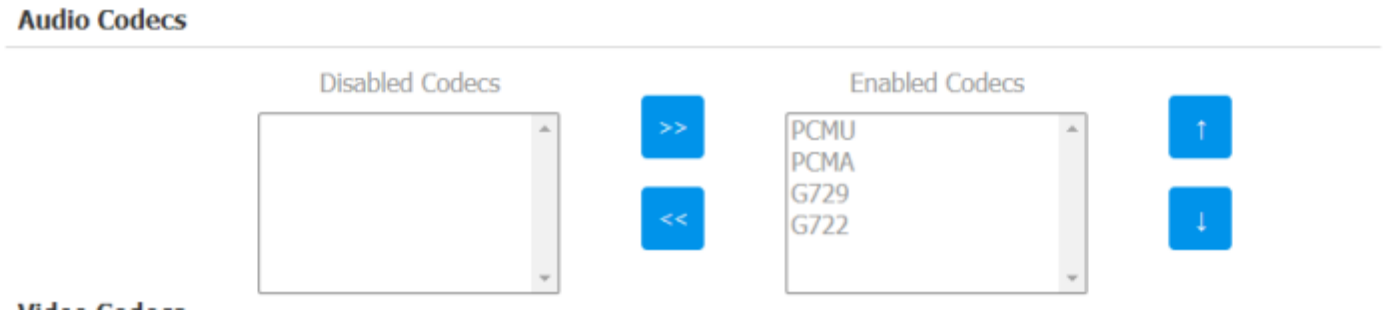
You can create, delete and view the audio messages of family members recorded in device screen **Message > Family MSG**.



13.Audio& Video Codec Configuration for SIP Calls

13.1. Audio Codec Configuration

Akuvox indoor monitor supports four types of Codec (PCMU, PCMA, G729, G722) for encoding and decoding the audio data during the call session. Each type of Codec varies in terms of sound quality. You can select the specific codec with different bandwidth and sample rate flexibly according to the actual network environment. To do the configuration on web **Account> Advanced > Audio Codecs interface.**



Please refers to the bandwidth consumption and sample rate for the four codecs types below:

Codec Type	Bandwidth Consumption	Sample Rate
PCMA	64 kbit/s	8kHZ
PCMU	64 kbit/s	8kHZ
G729	8 kbit/s	8kHZ
G722	64 kbit/s	16kHZ

13.2. Video Codec Configuration

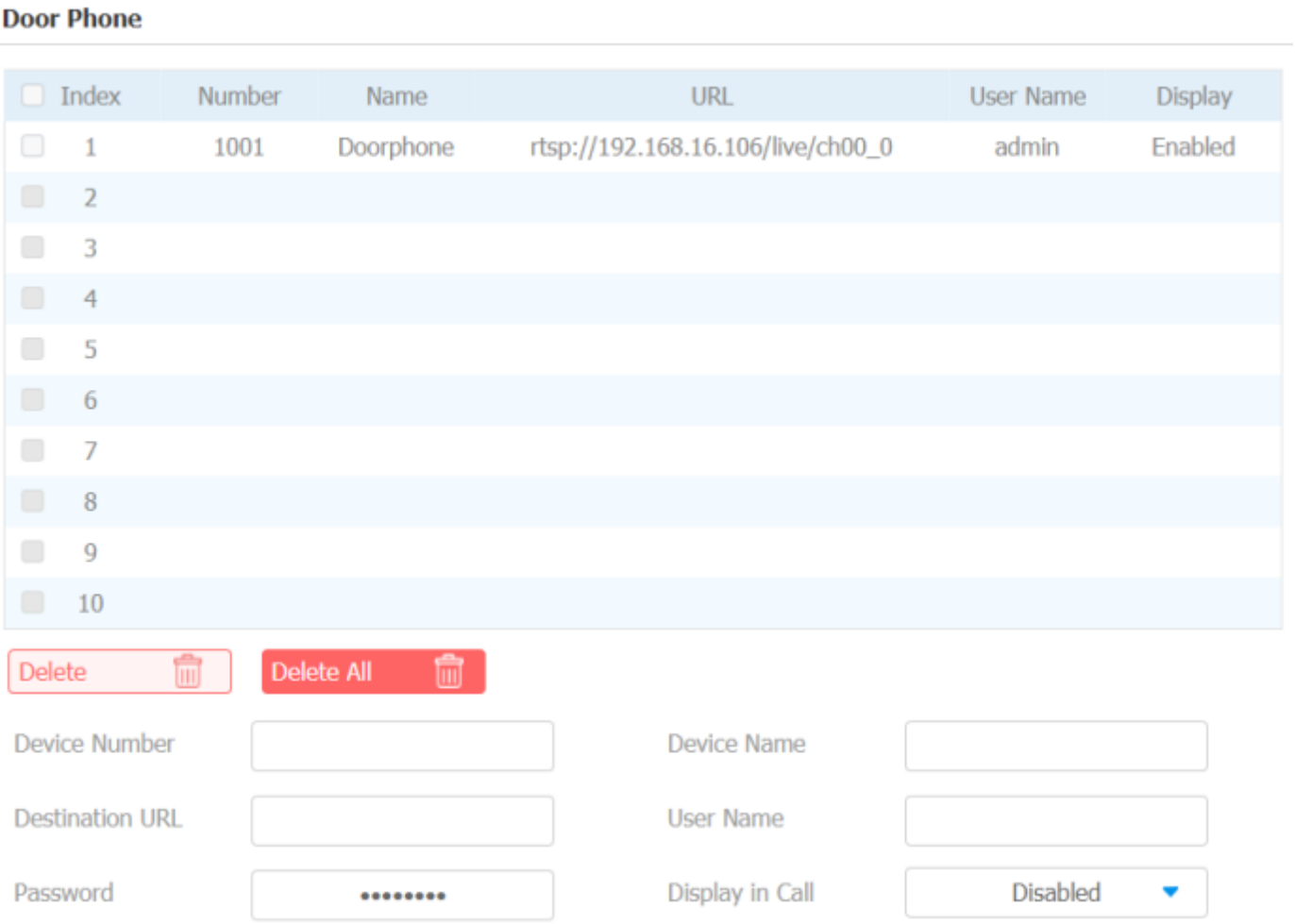
C313 series supports H264 codec. To do the configuration on web **Account > Advanced > Video Codecs interface.**

14. Security

14.1. Monitor and Image

14.1.1. Monitor Setting

You can configure the monitor setting on the web interface **Phone > Monitor** > **Door phone**.

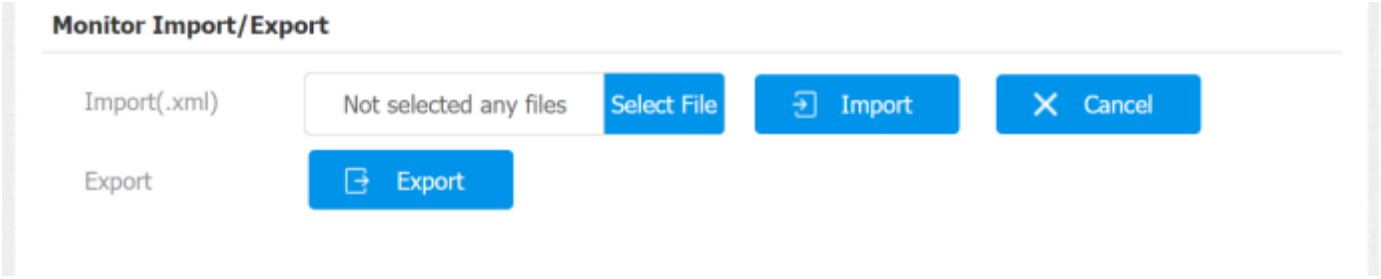


Parameter Set-up:

- **Device Number:** To enter the IP address or SIP number of the corresponding camera.
- **Device Name:** To enter the device name of doorphone, which could be set by users.
- **Destination URL:** To set RTSP URL for the doorphone. The RTSP format of Akuvox doorphone is rtsp://device IP/live/ch00_0
- **User Name:** To enter the user's name if required.
- **Password:** To enter the password if required.

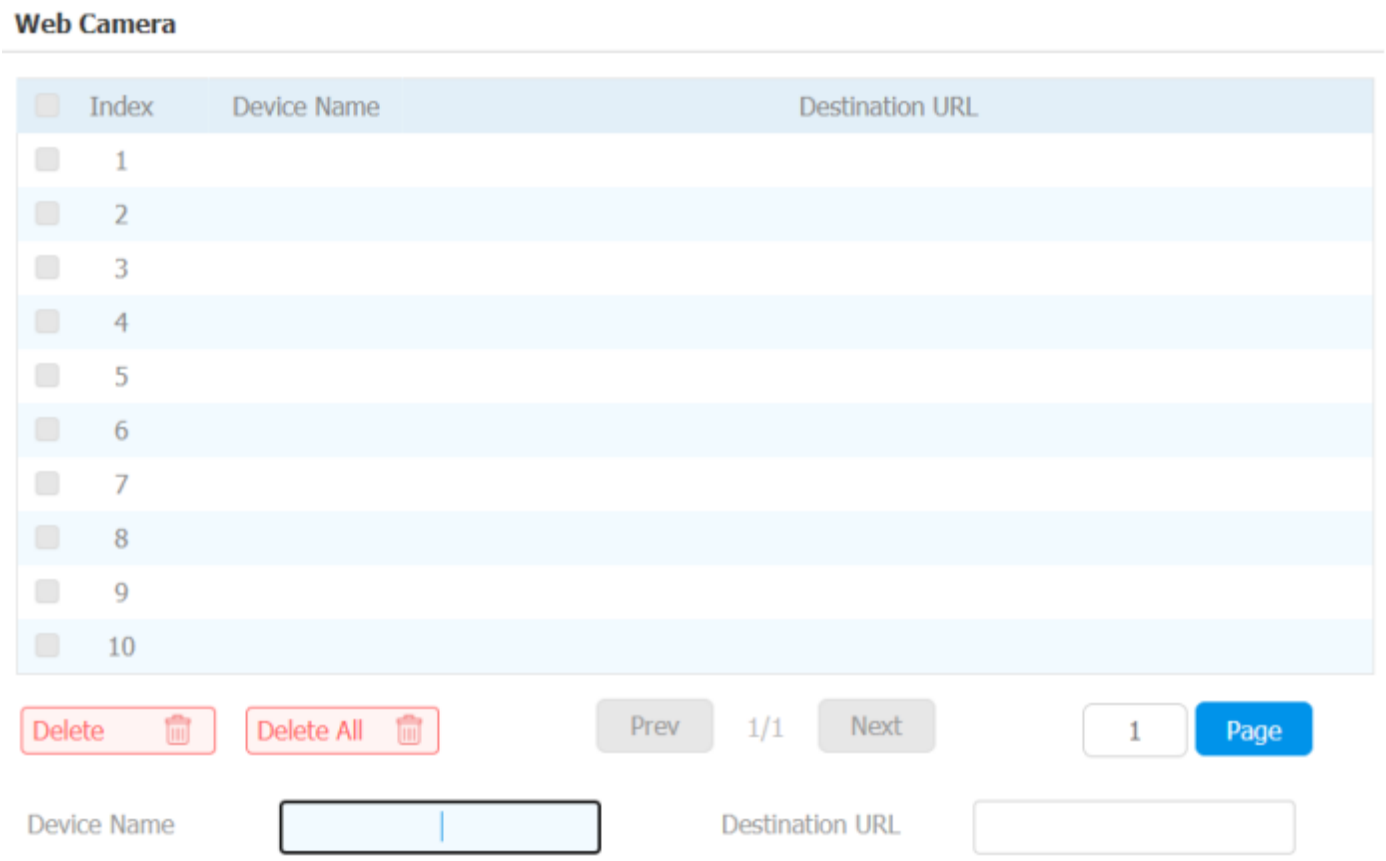
Display in Call: Enable or Disable to display this monitor during the call. If enabled, when there is an incoming call from the monitor, the video will be displayed.

You can also import or export the monitor list in batch in the same interface. Import file can only support .xml format.



14.1.2. Web camera Setting

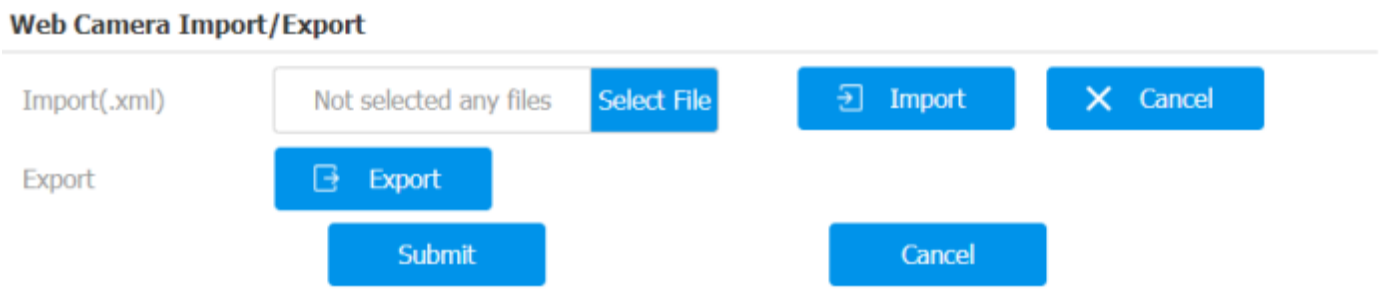
You can configure the monitor information for third party camera on the web interface **Phone > Monitor > Web camera**.



Parameter Set-up:

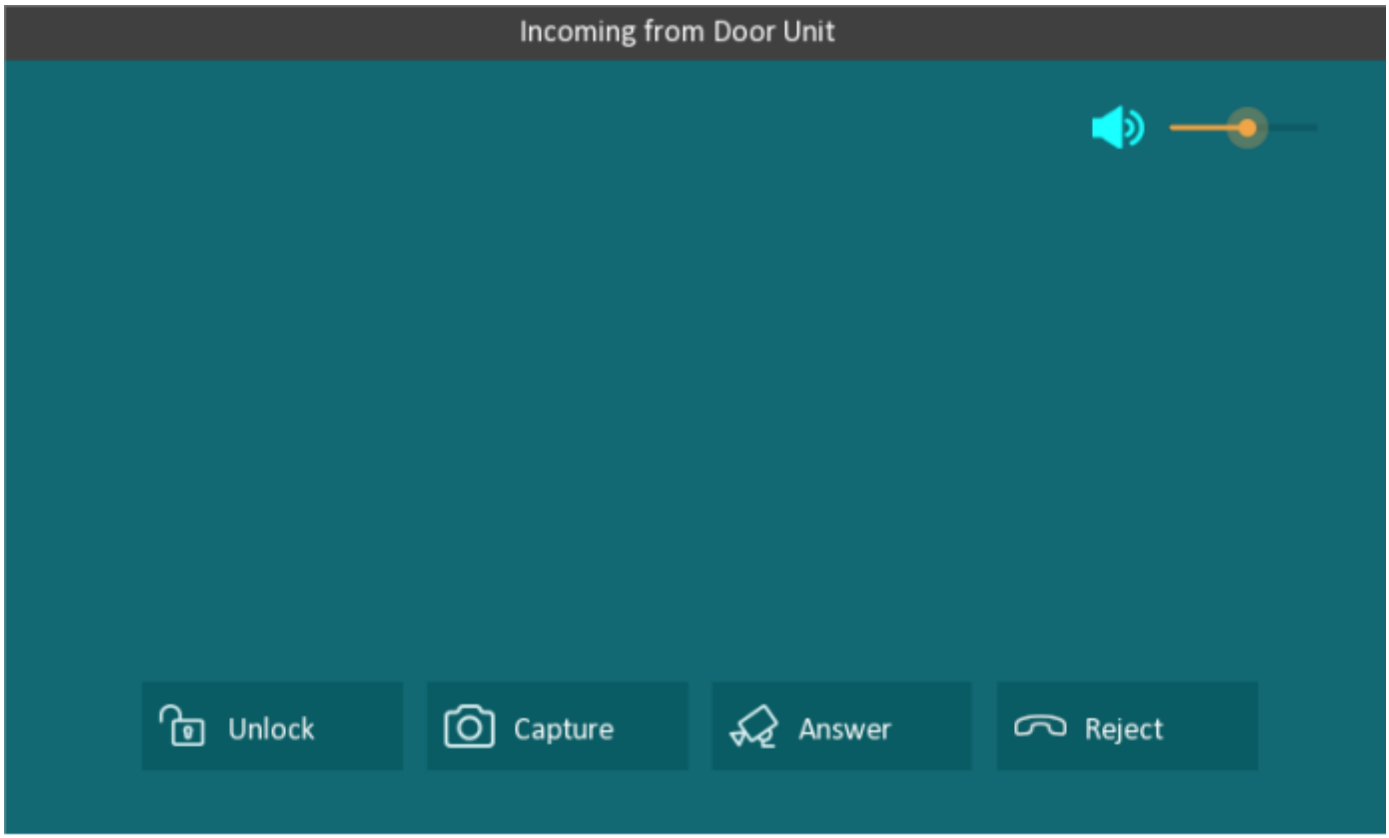
- **Device Name:** To enter the name of third-party camera.
- **Destination URL:** To set the RTSP URL for third party camera

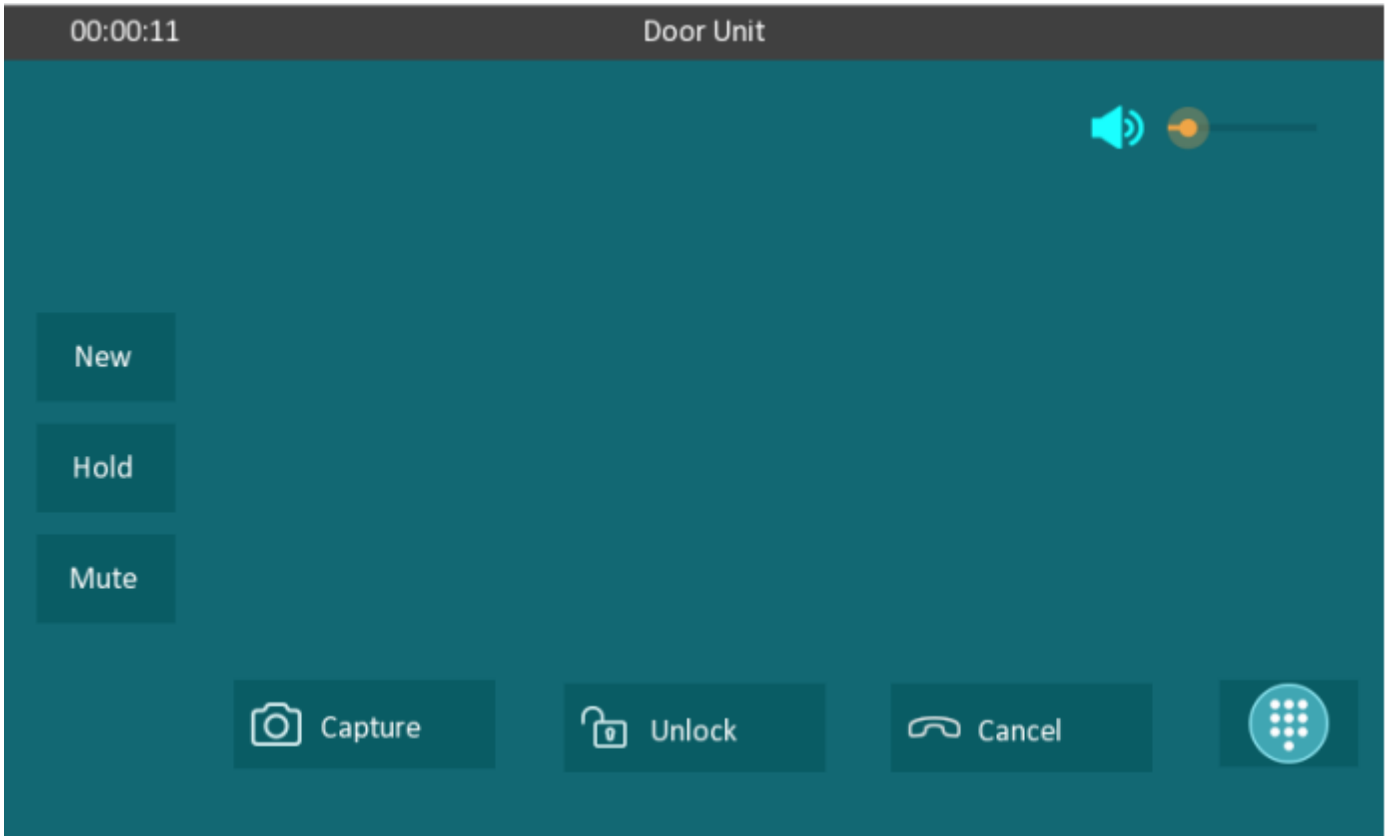
You can also import or export the monitor list in batch in the same interface. Import file can only support .xml format.



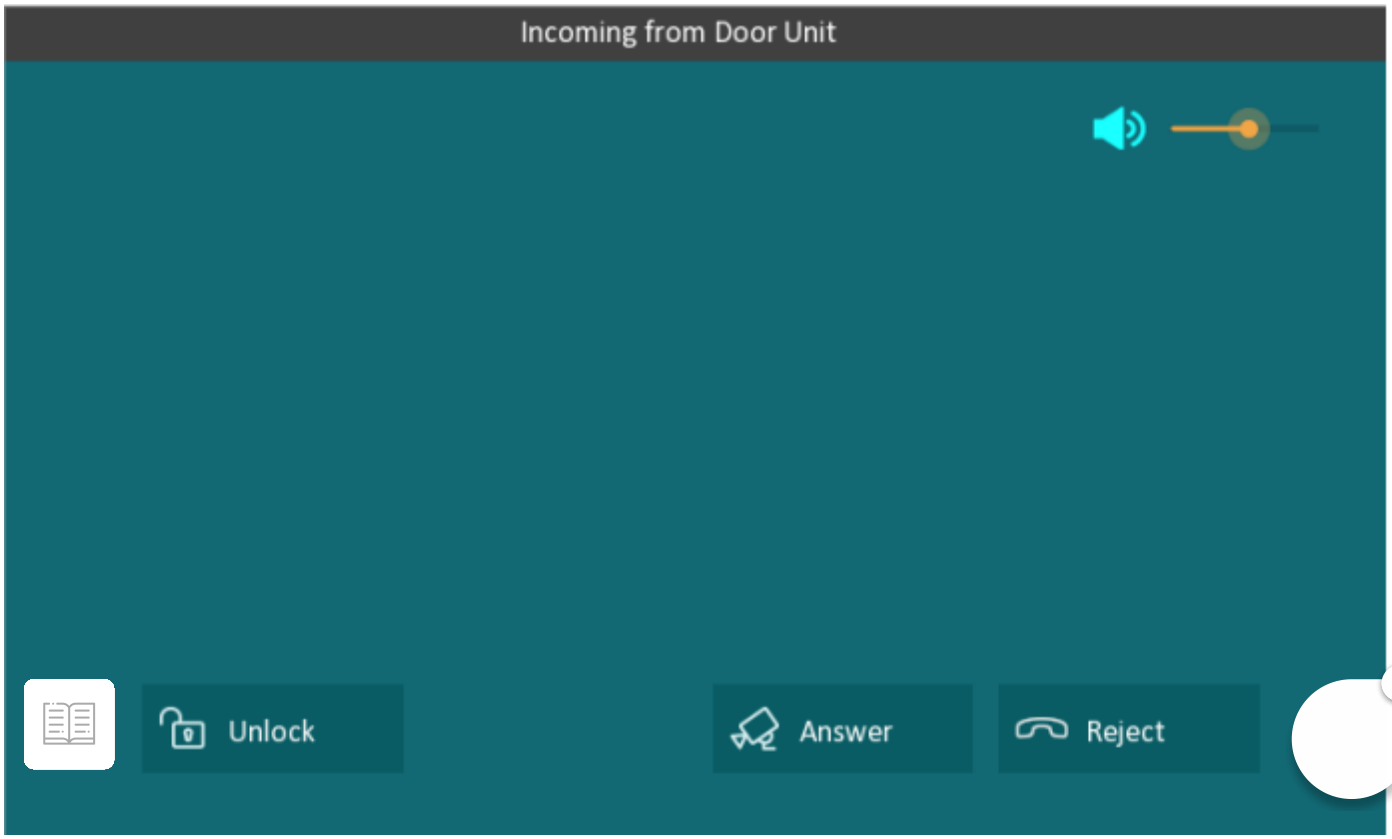
14.1.3Video Image Capturing

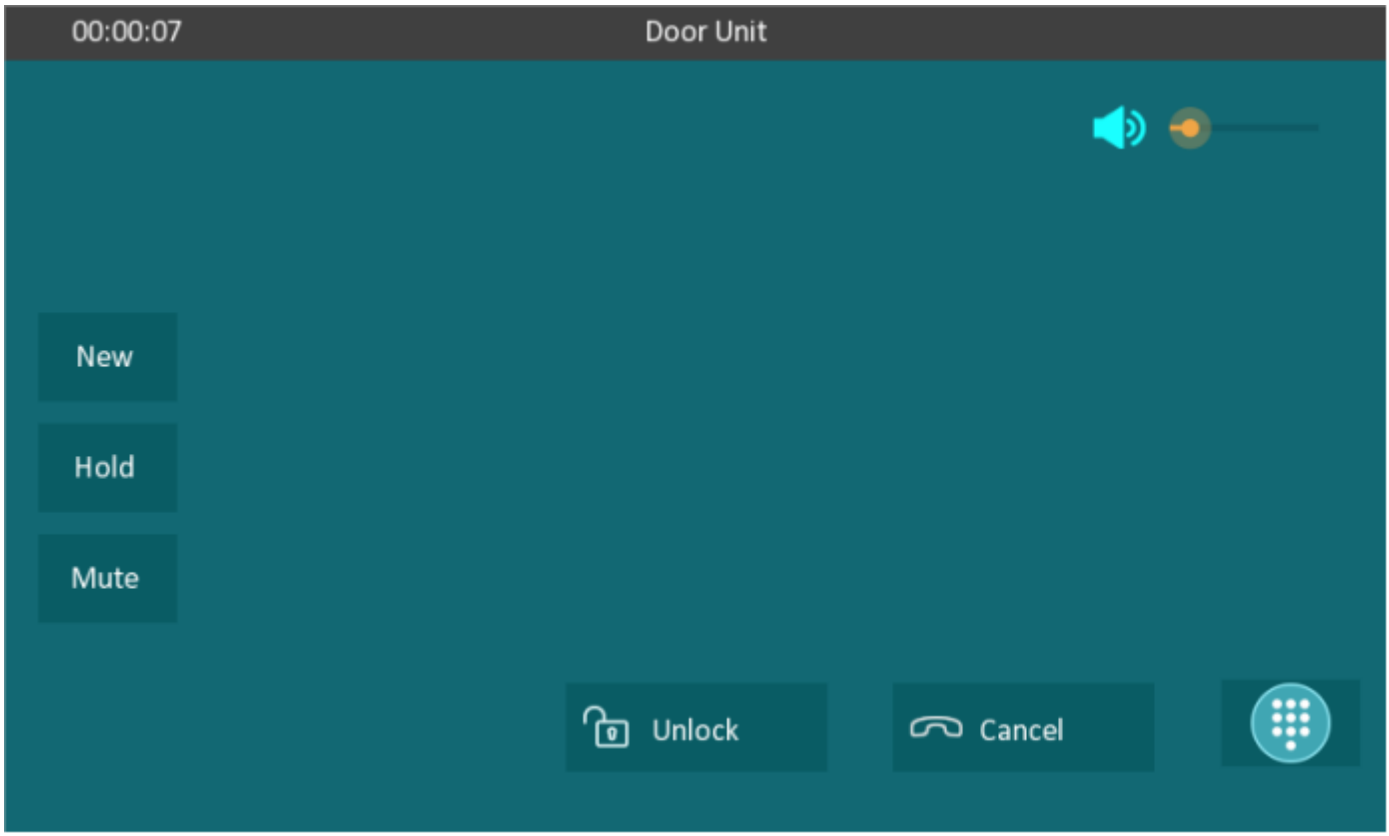
To capture video image by pressing **Capture** during monitor or a video call.





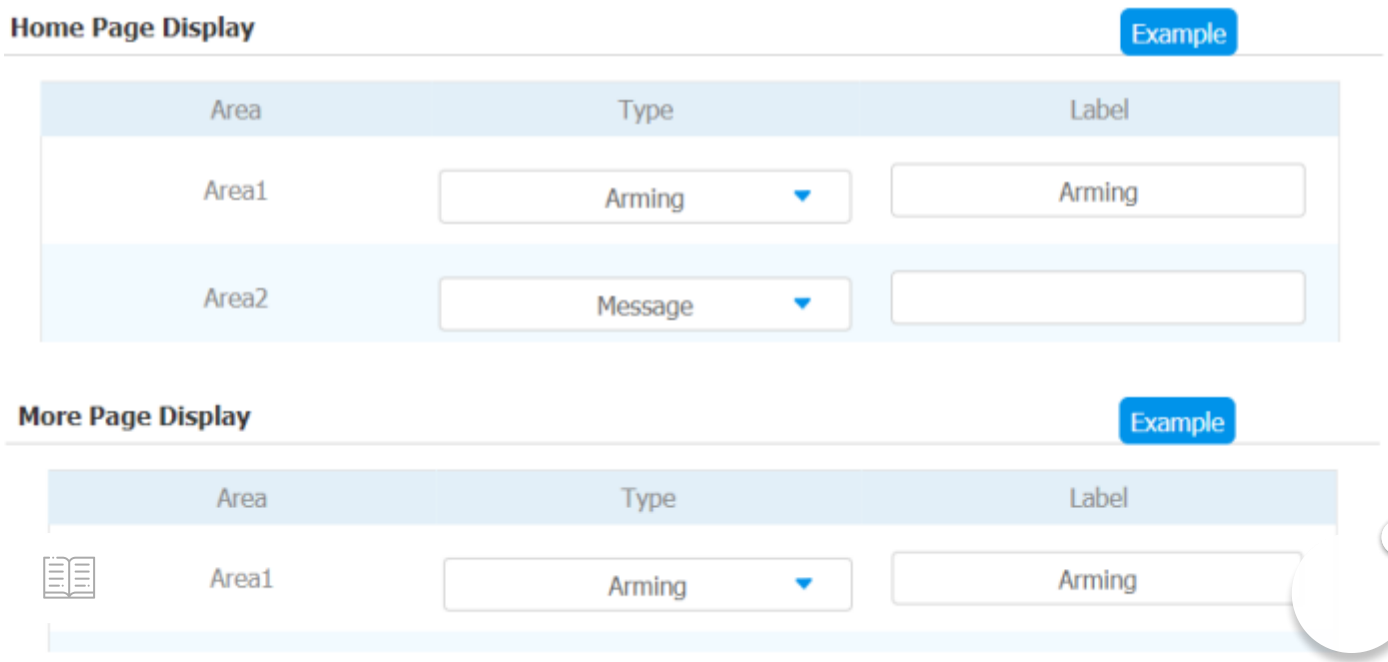
You can also disable capture function on device web interface **Phone > Key/Display > Others**.





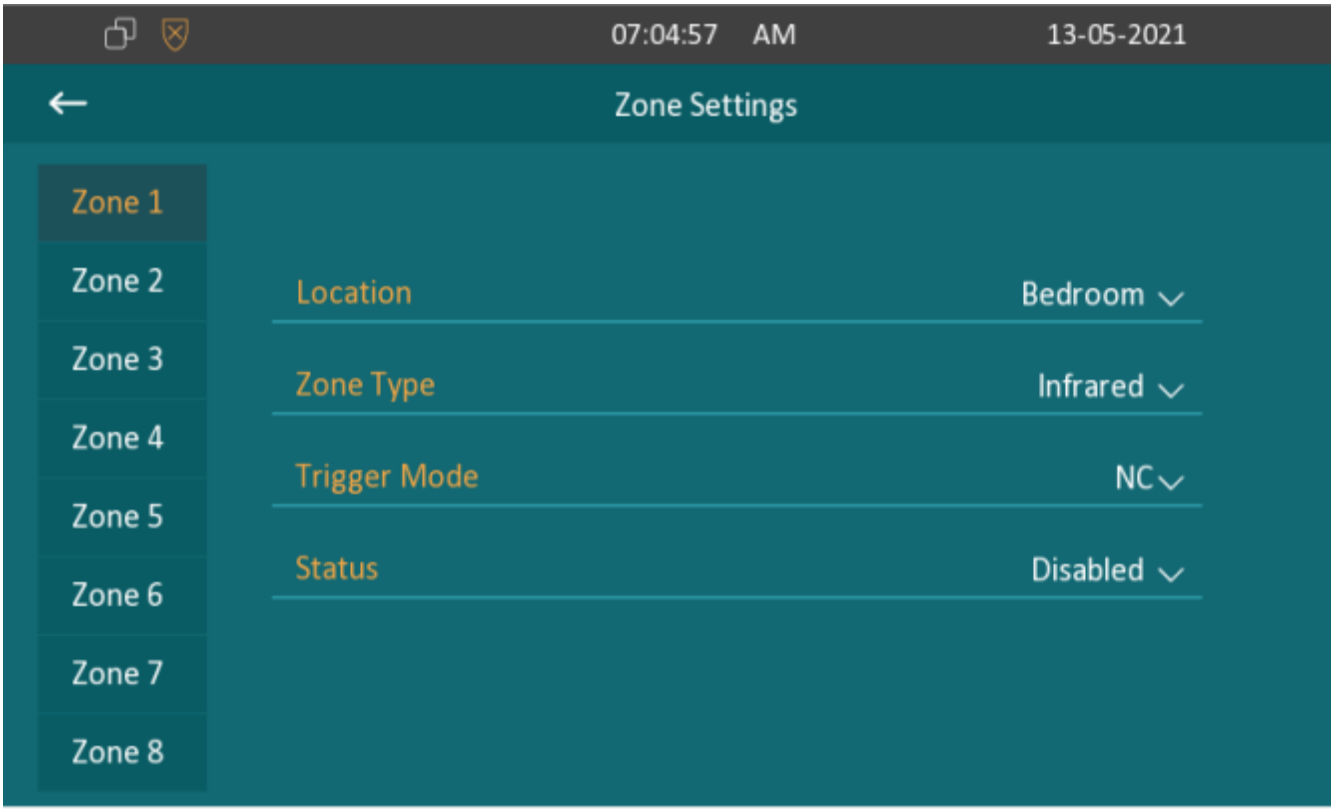
14.2. Alarm and Arming Configuration

Alarm feature is used to connect some alarm detection devices to protect your home safety. Akuvox indoor monitors support 8 alarm connectors which means you can connect 8 different alarm sensors in different rooms of your house. For example, connecting a smoker sensor in your kitchen to detect if the gas is leaking, the indoor monitor will ring and send the alarm message to the target, like community property. **Before checking Alarm feature on the device screen, you need to setup the Arming icon on the home page or more page on device web Phone > Key/Display interface.**



14.2.1. Configure Alarm and Arming on the Device

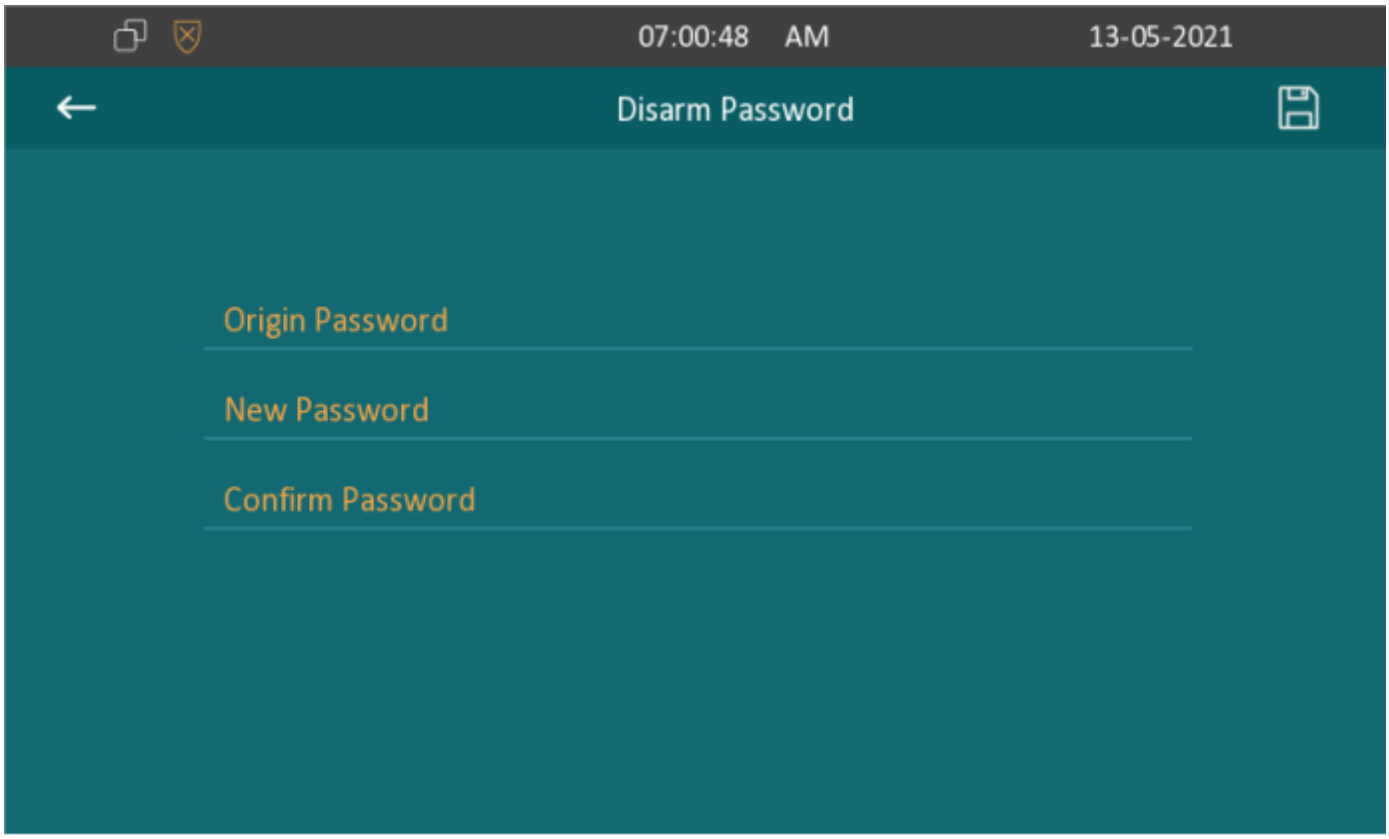
To set up a location-based alarm sensor on device screen More > Setting > Advance > Zone Settings.



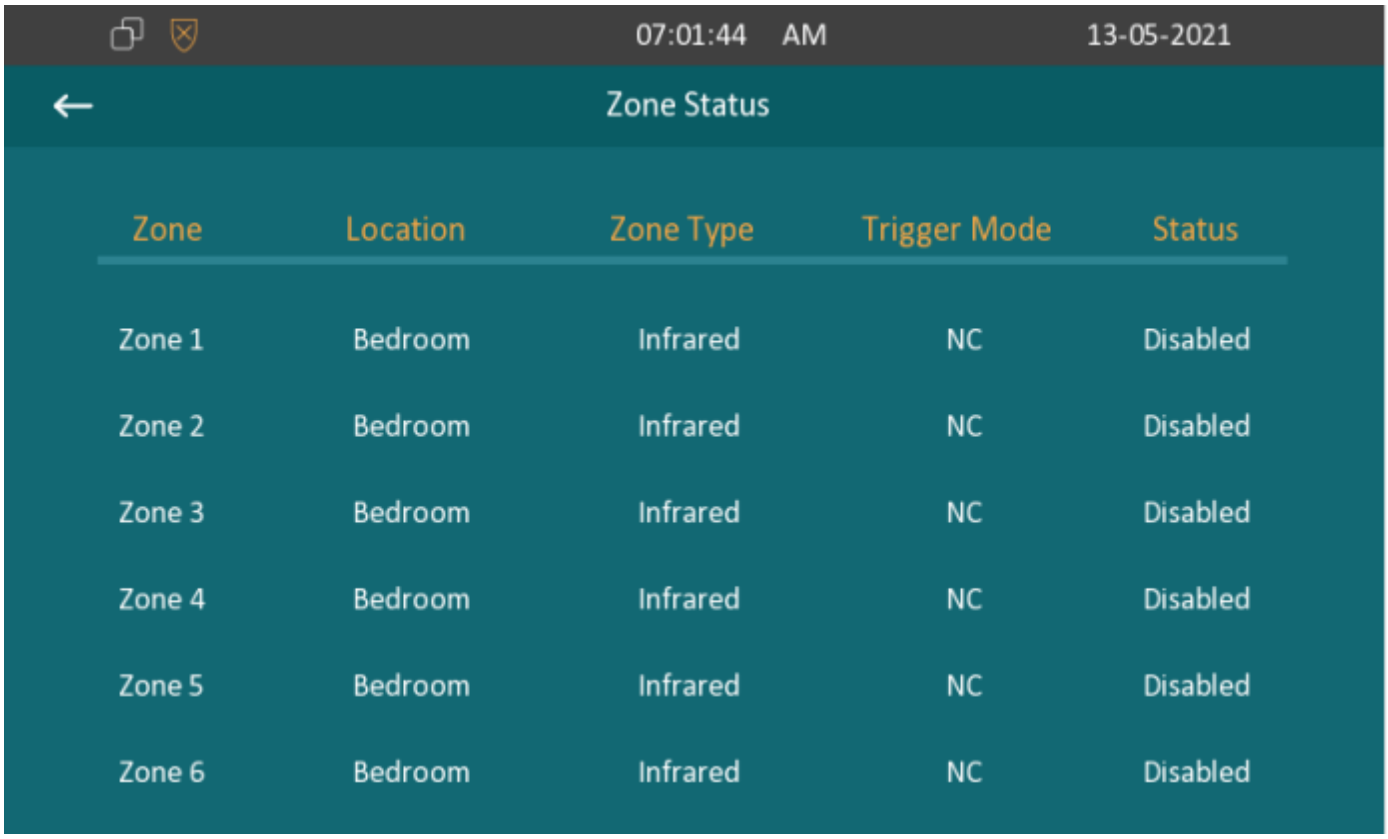
Parameter Set-up:

- **Location:** set up the location according to where the alarm sensor is stalled. You can select among ten location types: "**Bedroom**", "**Gate**", "**Door**" "**Guest room**", "**Hall**", "**Window**", "**Balcony**", "**Kitchen**", "**Study**" and "**Bathroom**".
- **Zone Type:** set up the alarm sensor types. You can select among four sensor types: "**Infrared**", "**Drmagnet**", "**Smoke**", "**Gas**", "**Urgency**".
- **Trigger Mode**: set sensor trigger mode between "**NC**" and "**NO**" according to your need.
- **Status**: set the alarm sensor status among three options: "Enable", "Disable", "24H". Select "Enable" if you want to enable to the alarm, however you are required to set the alarm again after an alarm is disarmed. Select "Disable" if you want to disable the alarm and select "24H" if you want alarm sensor to stay enabled for 24 hours without needing to set up the alarm manually again after the alarm is disarmed.

To igure the disarm code on device screen Arming. Change the curre password and save it.

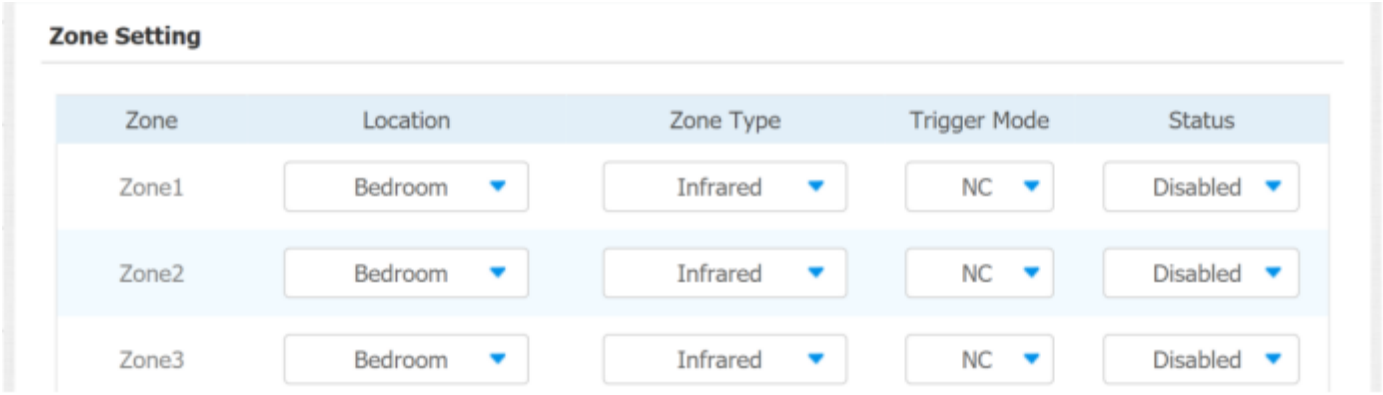


To check the zone status on **Arming > Zone Status** screen.



14.2.2Configure Alarm and Arming on the Web Interface

To set up a location-based alarm sensor on the device web interface **Arming> Zone Setting > Zone Setting.**

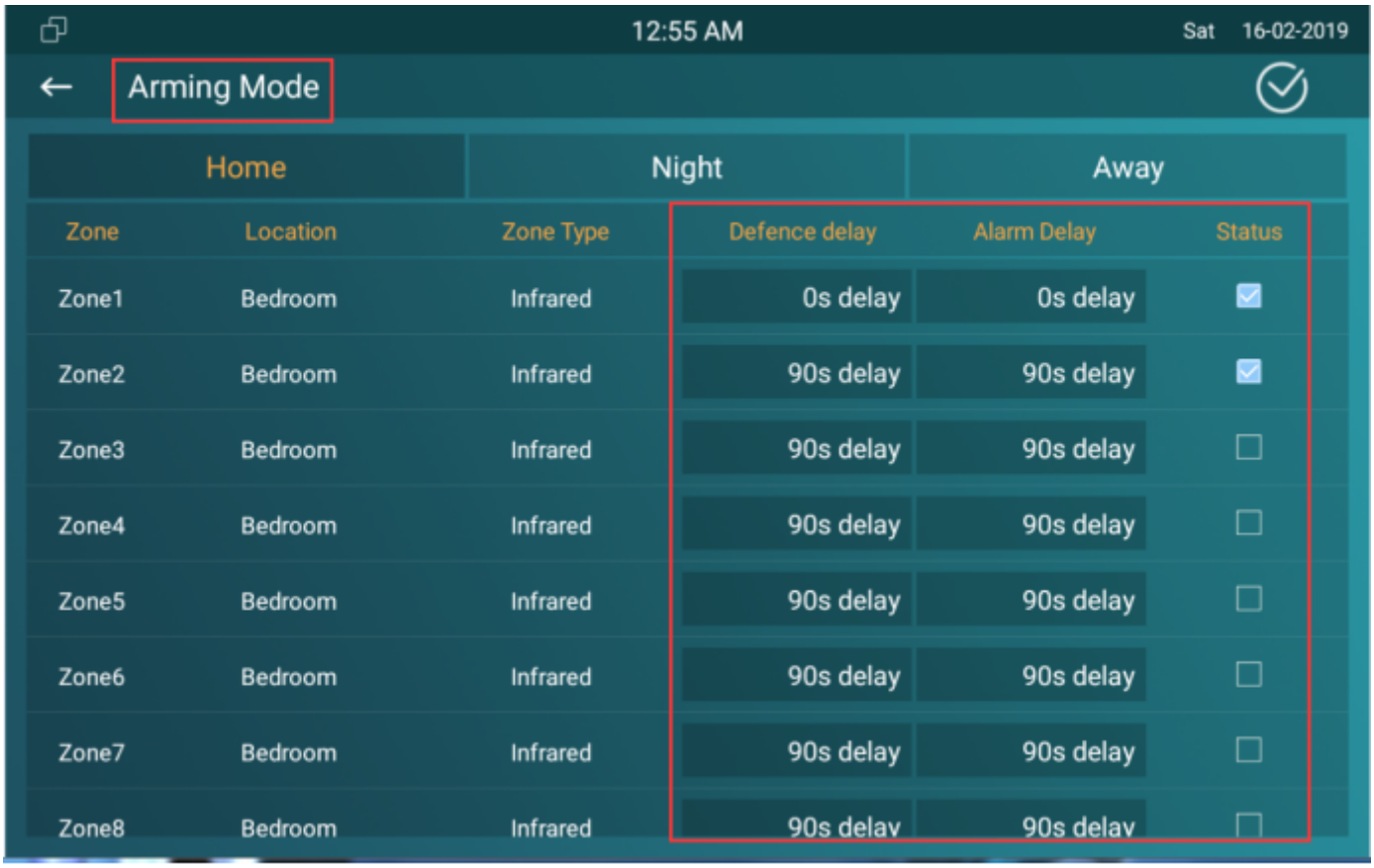


Parameter Set-up:

- **Location:** set up the location according to where the alarm sensor is stalled. You can select among ten location types: "**Bedroom**", "**Gate**", "**Door**" "**Guest room**"," **Hall**", "**Window**", " **Balcony**" ,"**Kitchen**", " **Study**" and "**Bathroom**".
- **Zone Type:** set up the alarm sensor types. You can select among four sensor types: "**Infrared**", "**Drmagnet**", "**Smoke**", "**Gas**", "**Urgency**".
- **Trigger Mode**: set sensor trigger mode between "**NC**" and "**NO**" according to your need.
- **Status**: set the alarm sensor status among three options: "Enable", "Disable","24H". Select "Enable" if you want to enable to the alarm, however you are required to set the alarm again after an alarm is disarmed. Select "Disable" if you want to disable the alarm and select "24H" if you want alarm sensor to stay enabled for 24 hours without needing to set up the alarm manually again after the alarm is disarmed.

14.2.3. Configure Location-based Alarm on the device screen

Configure the location-based alarm on device screen **Arming > Arming mode**.



Parameters set up:

- **Location**: to display which location the detection device is located.
- **Zone type**: to display the type of detection device.
- **Defence delay**: it means when users enable the arming mode, there will be 90 seconds delay time for the alarm mode to be activated.
- **Alarm delay**: it means when the sensor triggered, there will be 90 seconds delay time to announce the notification.
- **Status**: To enable or disable Arming mode on the corresponding Zone.

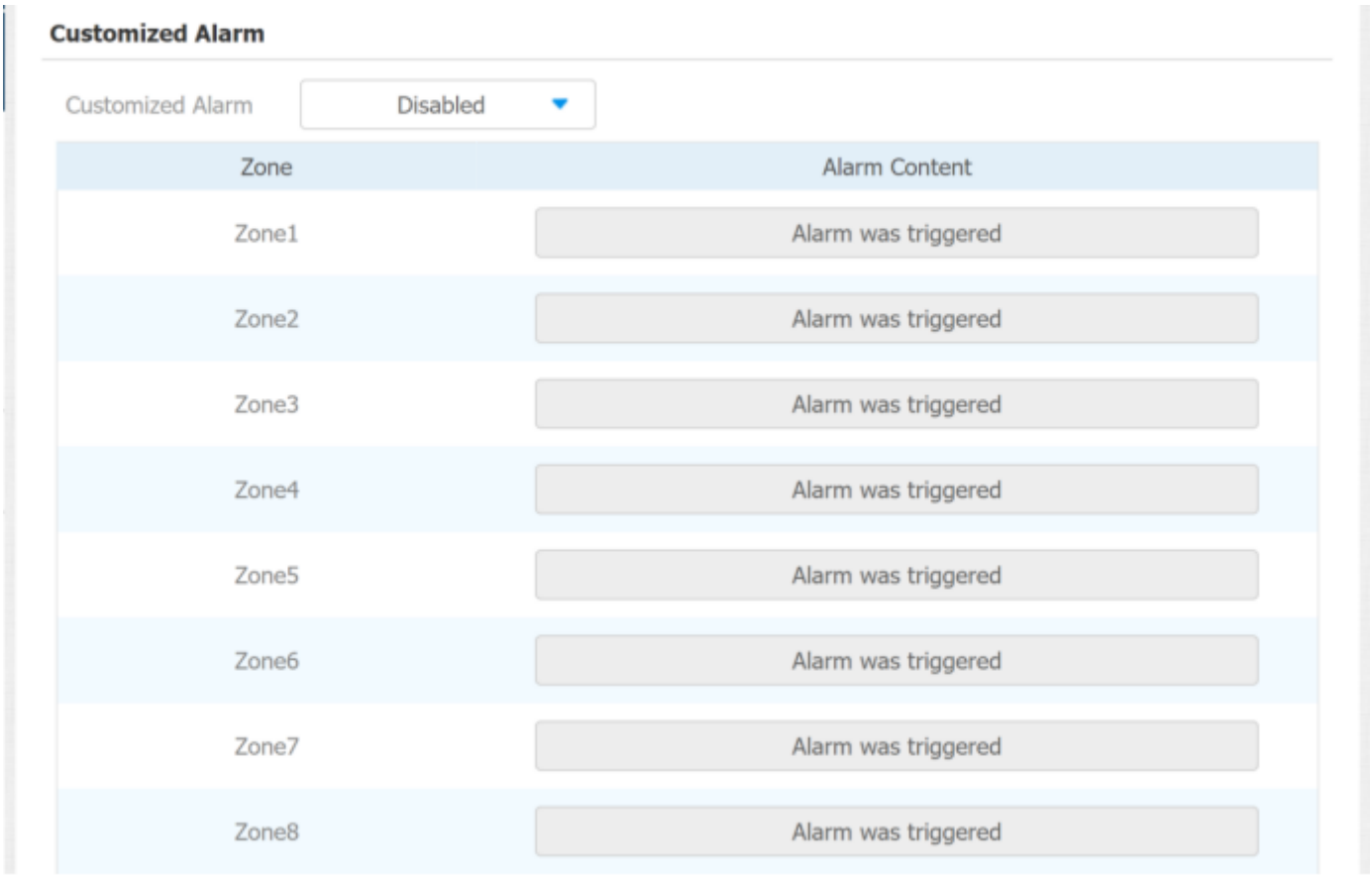
14.2.4. Configure Location-based Alarm on the Web Interface

Configure the location-based alarm on device web interface **Arming > Arming Mode**.

Zone	Location	Zone Type	Defence Delay	Alarm Delay	Status
1	Bedroom	Infrared	30s	90s	
2	Bedroom	Infrared	30s	90s	
3	Bedroom	Infrared	30s	90s	
4	Bedroom	Infrared	30s	90s	
5	Bedroom	Infrared	30s	90s	
6	Bedroom	Infrared	30s	90s	
7	Bedroom	Infrared	30s	90s	
8	Bedroom	Infrared	30s	90s	

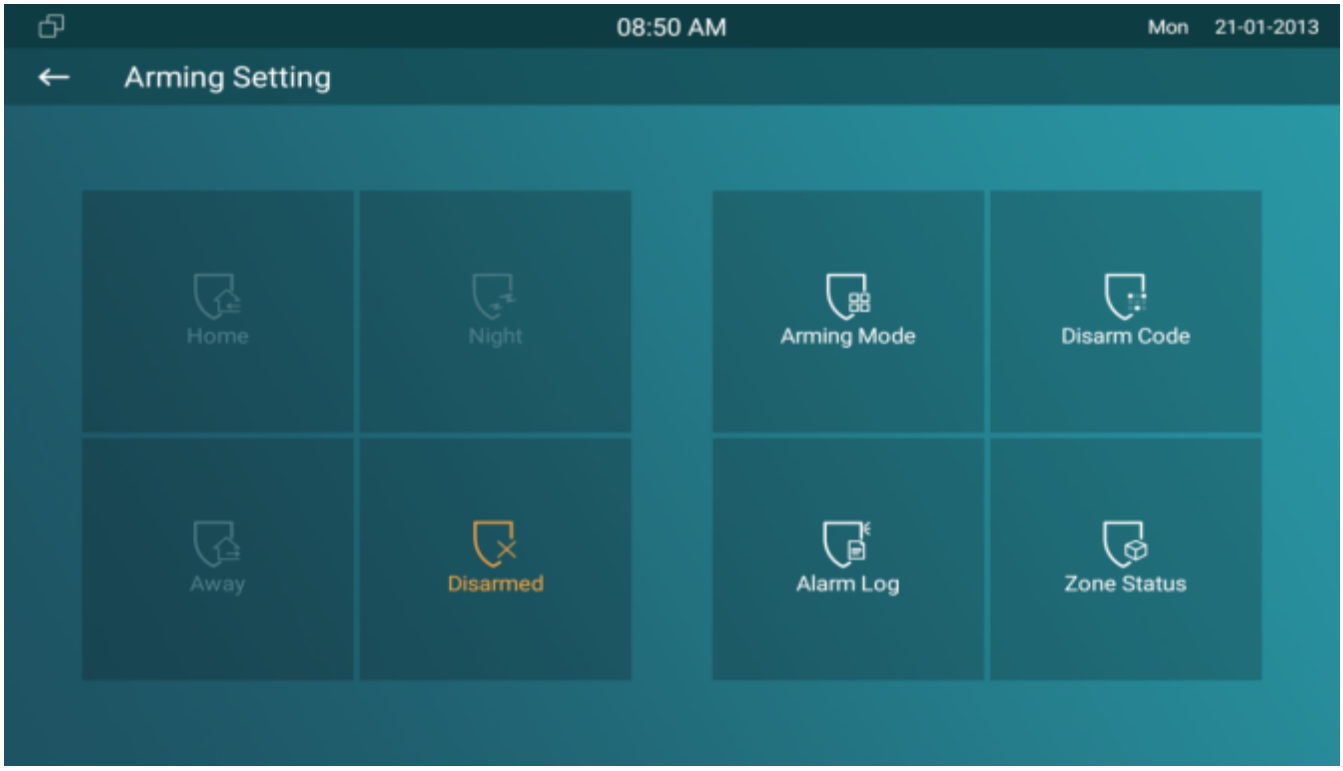
14.2.5. Configure Alarm Text

After the alarm sensor is set up, you are allowed to customize your alarm text shown on the screen when an alarm is triggered on web **Arming> Zone Setting > Customized Alarm interface**. Enter the alarm text for the alarm at each location according to your need.



14.2.6. Configure Arming mode

To switch arming mode, disarm the alarm on **Arming** screen by pressing their respective icons. Press **Disarm** icon if you want to clear the Arming Mode.

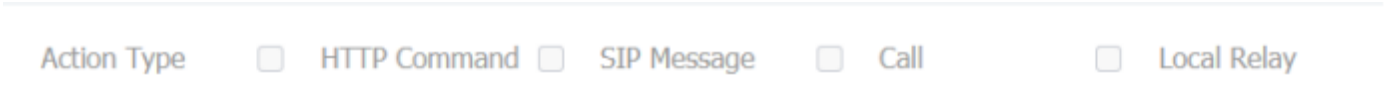


14 '. Alarm Action Configuration

The triggering of the alarm sensor can be accompanied by the actions you configured in forms of HTTP command, SIP Message, Call, Local Relay for different security purposes.

14.2.7.1. Select Alarm Action Types

To select and set up actions on web **Arming > Alarm Action interface.**

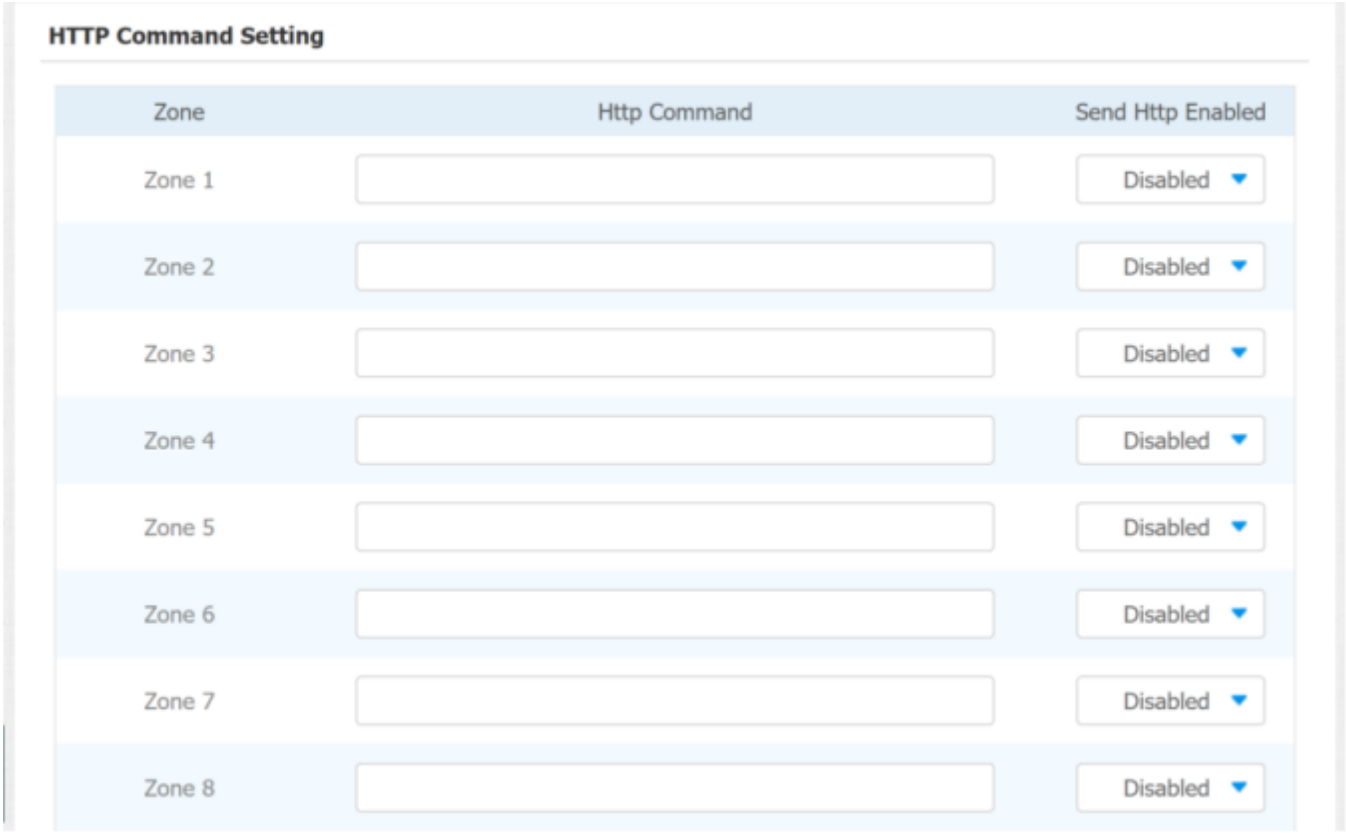


Parameter Set-up:

- **HTTP Command**: enable HTTP command if you want the action to be implemented on a designated third party device
- **SIP Message**: enable SIP message if you want the SIP message to be sent to a designated SIP account as an action
- **Call**: enable Call if you want you a call to go to a designated SIP or IP number.
- **Local relay:** enable local relay if you want to trigger local relay as an action.

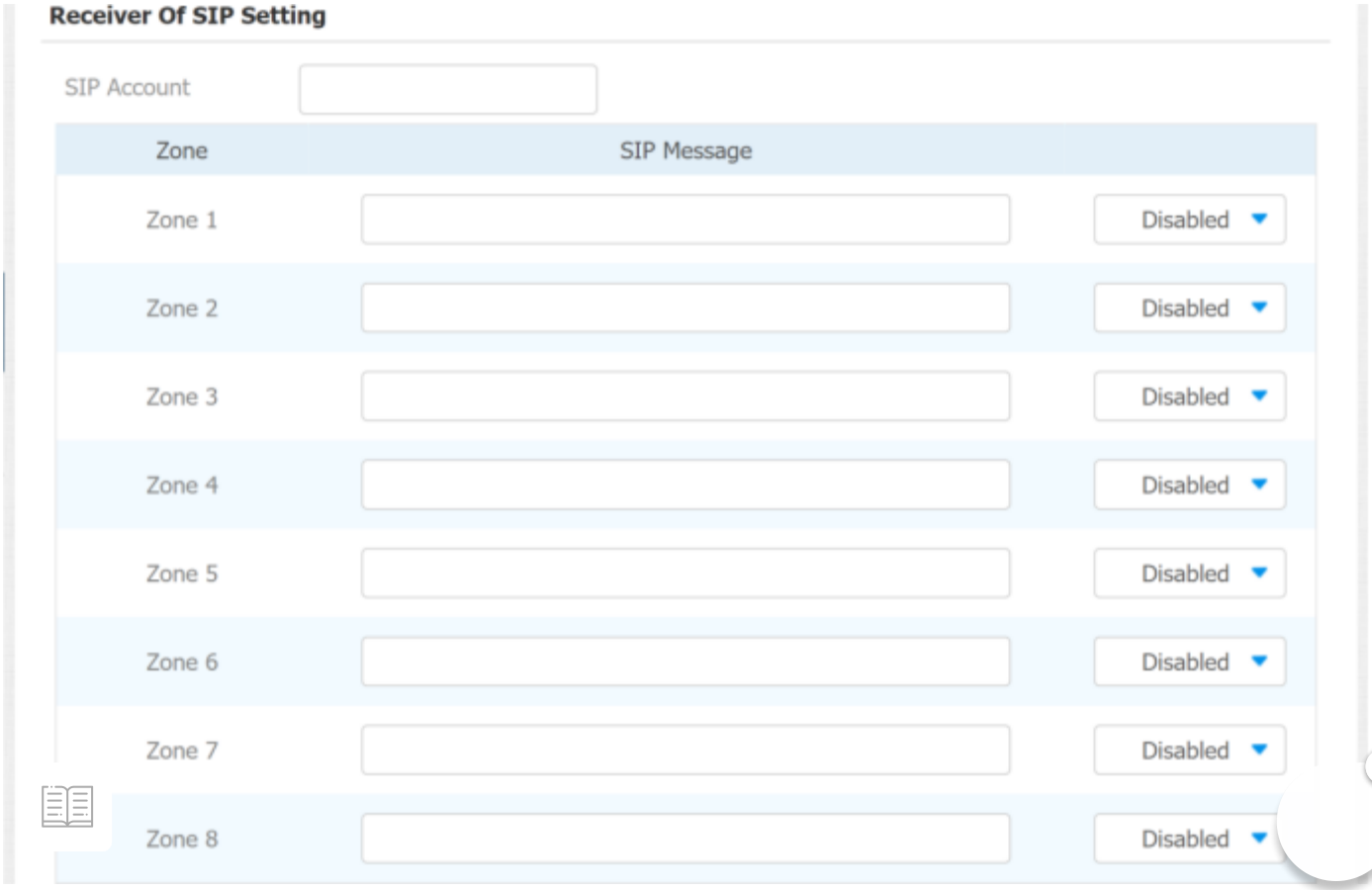
14.2.7.2. Configure Alarm Action via HTTP Command

To set up the HTTP Command action, you can click “**Enable**” in the **Send HTTP** field to enable the actions for the alarm sensor installed in different locations. Then enter the HTTP command provided by the manufacturer of the device on which the action is to be carried.



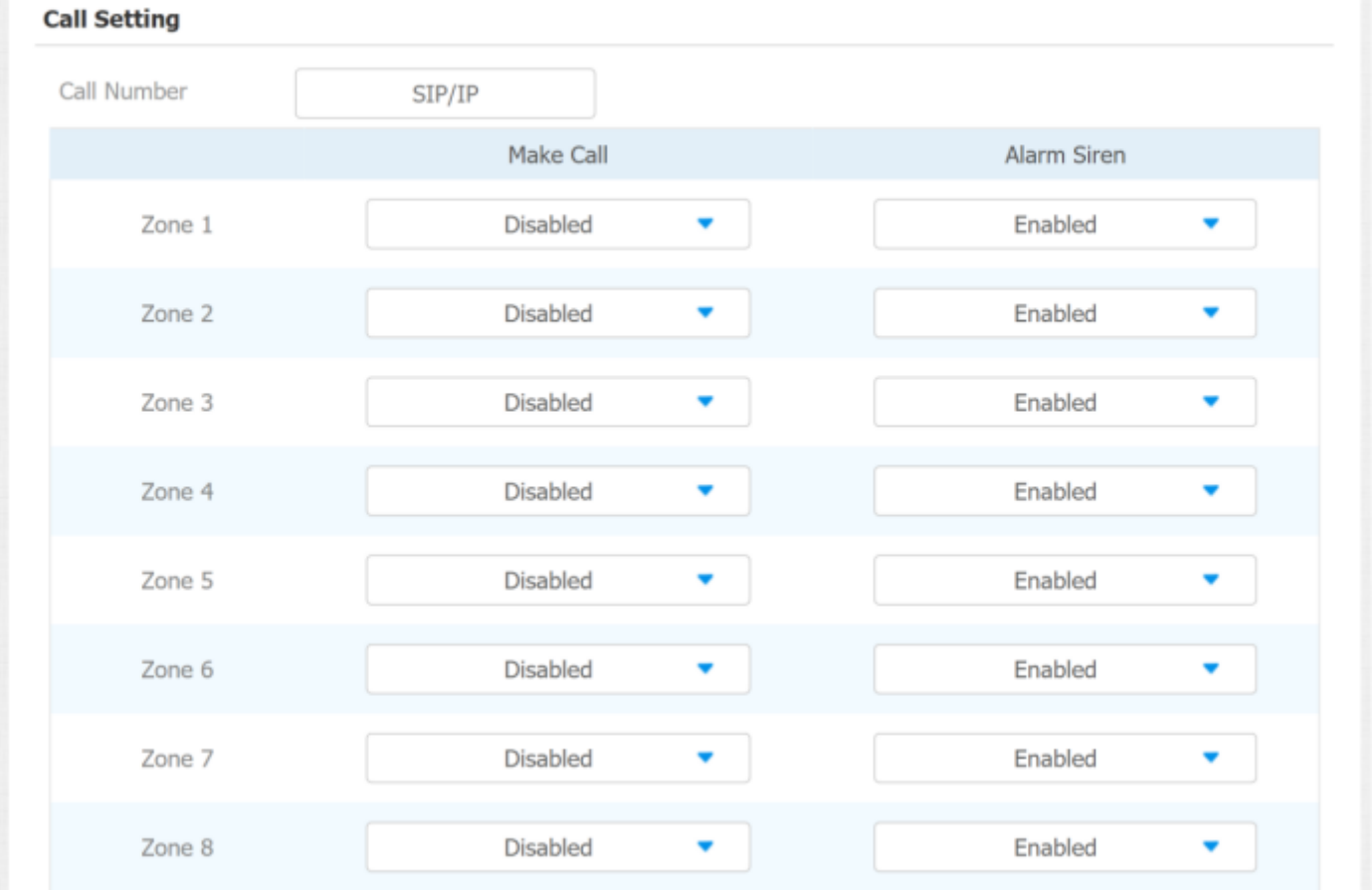
14.2.7.3. Configure Alarm Action via SIP Message

To set up the SIP message action receiver on the same web interface. Enter the SIP account to which you want to send the configured SIP message as an action when the alarm is triggered.



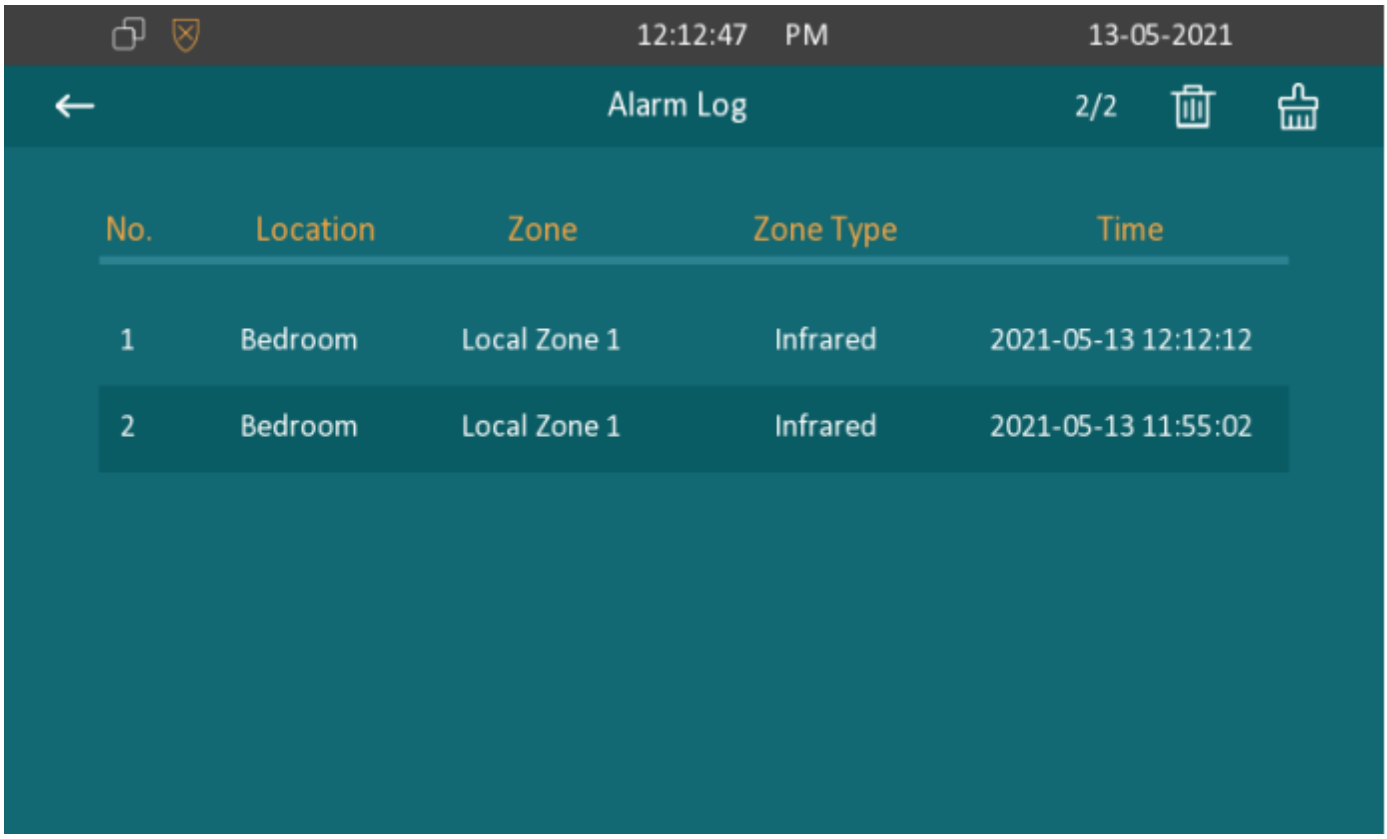
14.2.7.4. Configure Alarm Action via SIP Call

To set up the call action, you can enter the SIP or IP number of the device to be called as an action, then enable **Alarm Siren** for arming zone as needed.



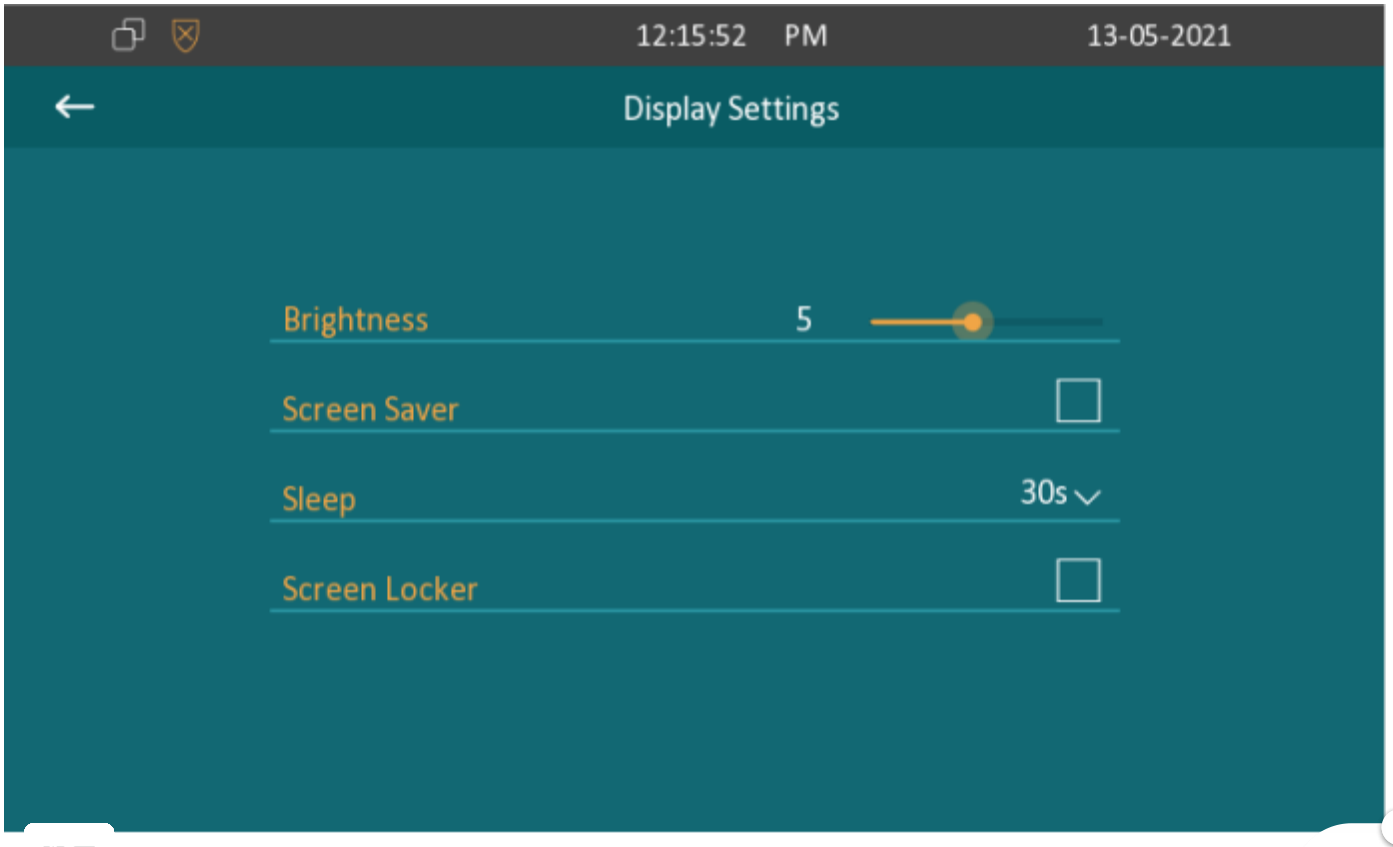
14.2.8. Check Alarm Log

To check alarm log on device **Arming > Alarm Log screen.** To delete the existing alarm log by clicking the top right corner delete icon



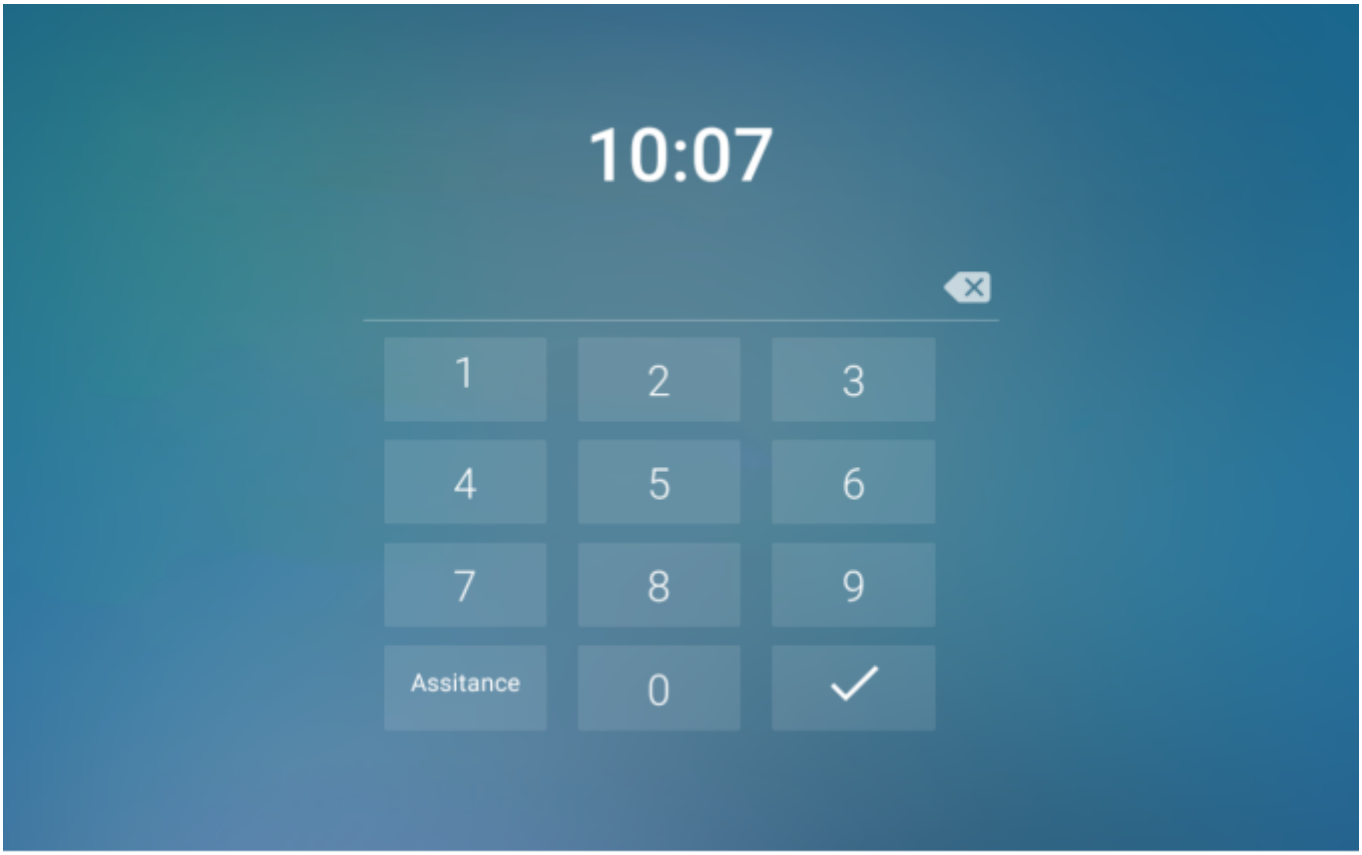
14.3. Screen Unlock Setting

You can enable screenlocker function directly on the device **More > Setting > Display** screen. The device screen will be locked over sleep time. You are required to wake up the device through the password.



14.3.1. Screen Unlock by PIN Code

You can unlock device screen by entering the pre-configured PIN code when the screen is locked.



Note:

- Default unlock PIN is 123456.

14.4. Client Certificate Setting

Certificates can ensure communication integrity and privacy when deploying Akuvox IP phone. So, when user needs to establish SSL protocol, it is necessary to upload corresponding certificates for verification. C313 series allow user two types of certificates to be uploaded into phone system.

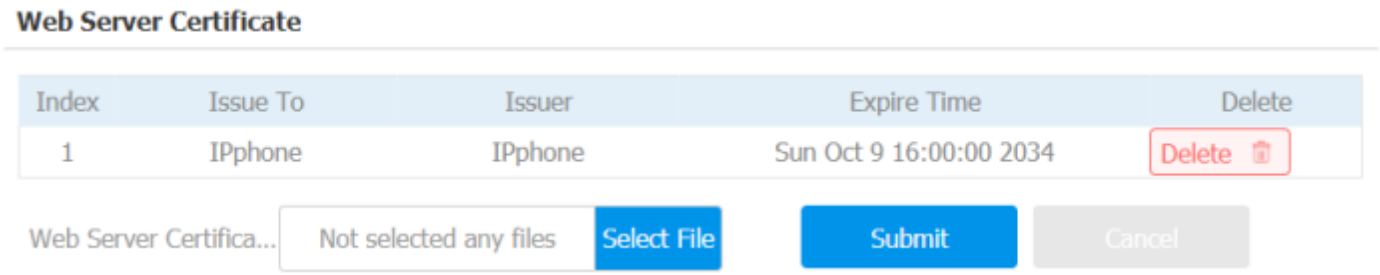
- **Web Server Certificate:** it is the certificate that send to client for entication when client require an SSL connection with Akuvox I

Phone. Currently, the format of certificate can be accepted by Akuvox IP Phone is *.PEM file.

- **Client Certificate:** When Akuvox IP Phone required an SSL connection with server, the phone must verify the server to make sure it can be trusted. and the server will send its certificate to the Akuvox IP Phone. Then the Phone will verify this certificate according to client certificate list.

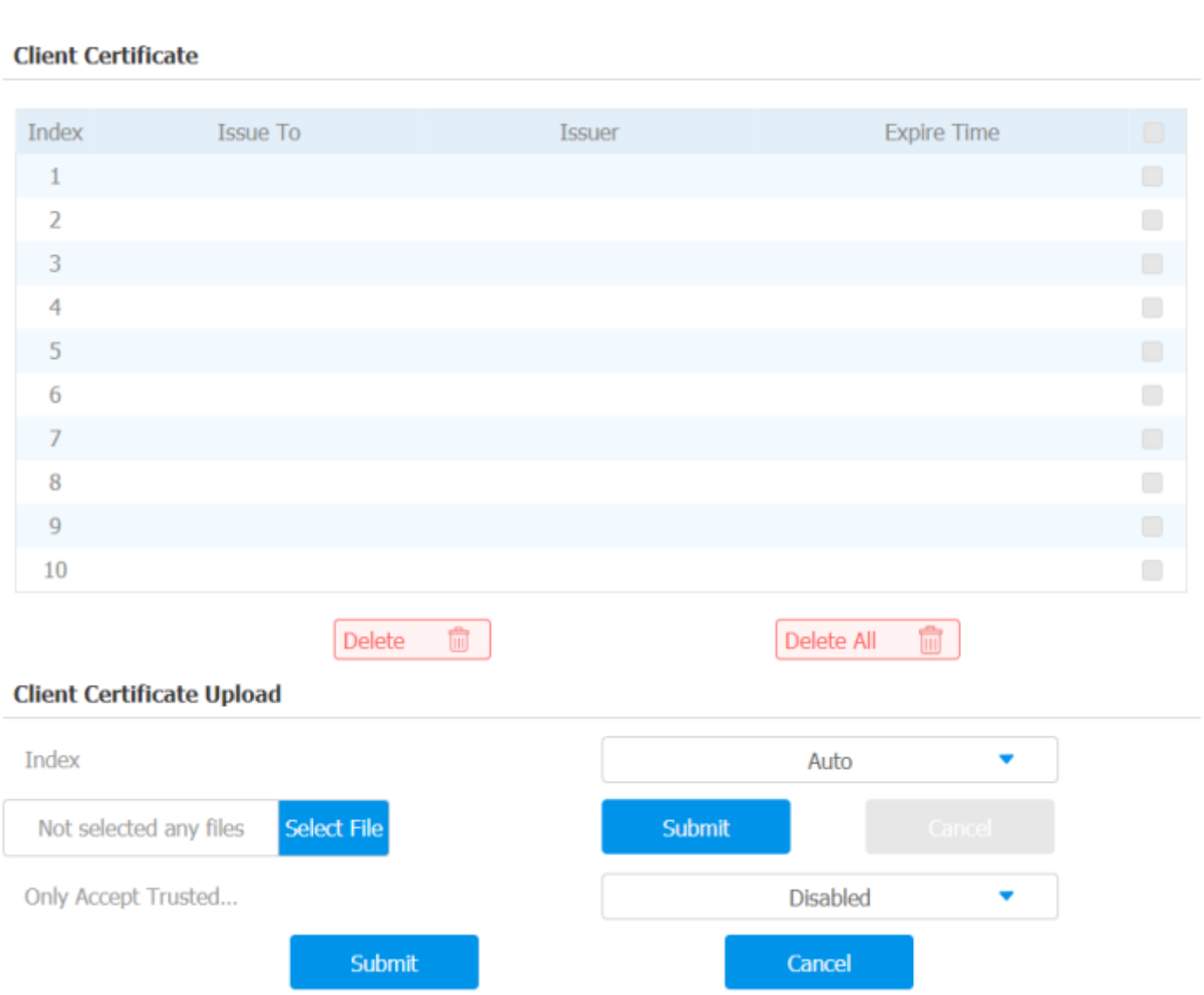
14.4.1. Web Server Certificate

To upload Web Server certificate on the device web interface **Security > Advanced > Web Server Certificate**.



14.4.2. Client Certificate

To upload and configure client certificate on the same page.

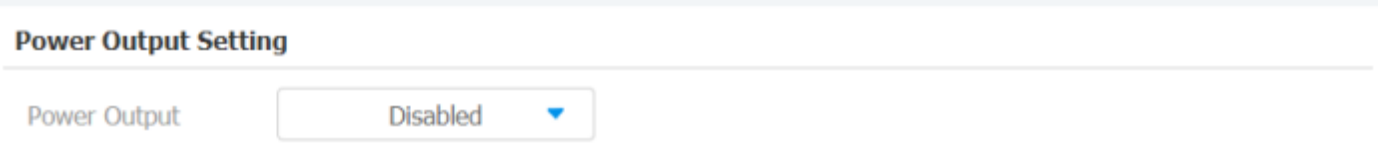


Parameter Set-up:

- **Index:** Select the desired value from drop-down list of Index. If select **Auto** value, the uploaded certificate will be displayed by numeric order. If select value from **1** to **10**, the uploaded certificate will be displayed according to the value that user selected.
- **Select File:** Click Choose file browse local drive, and locate the desired certificate. (*.pem only)
- **Only Accept Trusted certificates:** If select **Enabled**, as long as the authentication success, the phone will verify the server certificate based on the client certificate list. If select **Disabled**, the phone will not verify the server certificate no matter whether the certificate is valid or not.

14.5. Power Output Setting

Yo enable power output function for PON interface on device web interface De **Setting > Basic > Power Output Setting**.



Note:

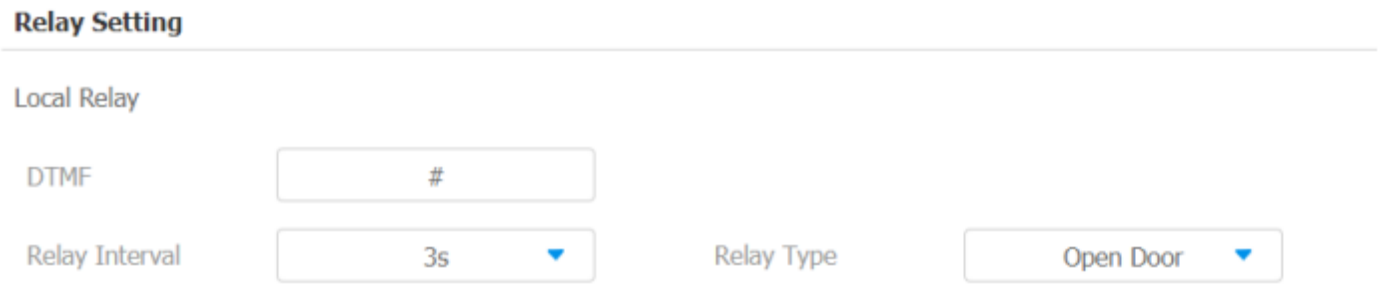
When the Power Output function is set to enabled, and the PON interface is connected with some particular exchangers, it may cause the device reboots repeatedly.

15. Door Access Control Configuration

15.1. Relay Switch Setting

15.1.1. Local Relay Setting

Local relays in Akuvox indoor monitor can be used to trigger the door access or Chime bell through local relay connector. You can do this configuration on web interface **Phone > Relay > Relay Setting > Local Relay.**



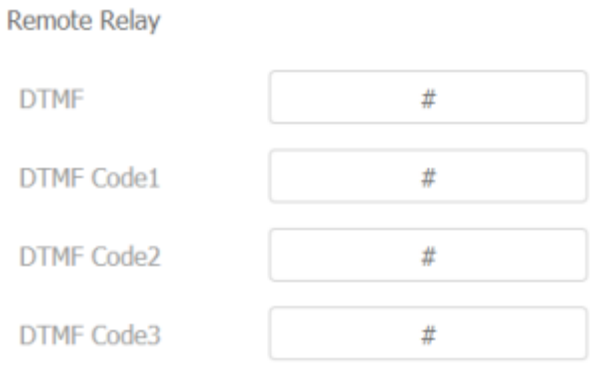
Parameter set-up:

- **DTMF:** Set the DTMF code for local relay.
- **Relay Interval: s**et the relay delay time after the relay is triggered.
- **y Type: s**et relay action type. There are two types of relays, ch bell and open door. **Chime Bell**, when there is a call, the chime bell

ring. **Open door**, when press the unlock icon, the local relay will be opened.

15.1.2. Remote Relay Switch Setting

You can use the unlock tab during the call to open the door on web **Phone > Relay > Relay Setting > Remote Relay interface**. You are required to set up the same DTMF code in the door phone and indoor monitor.

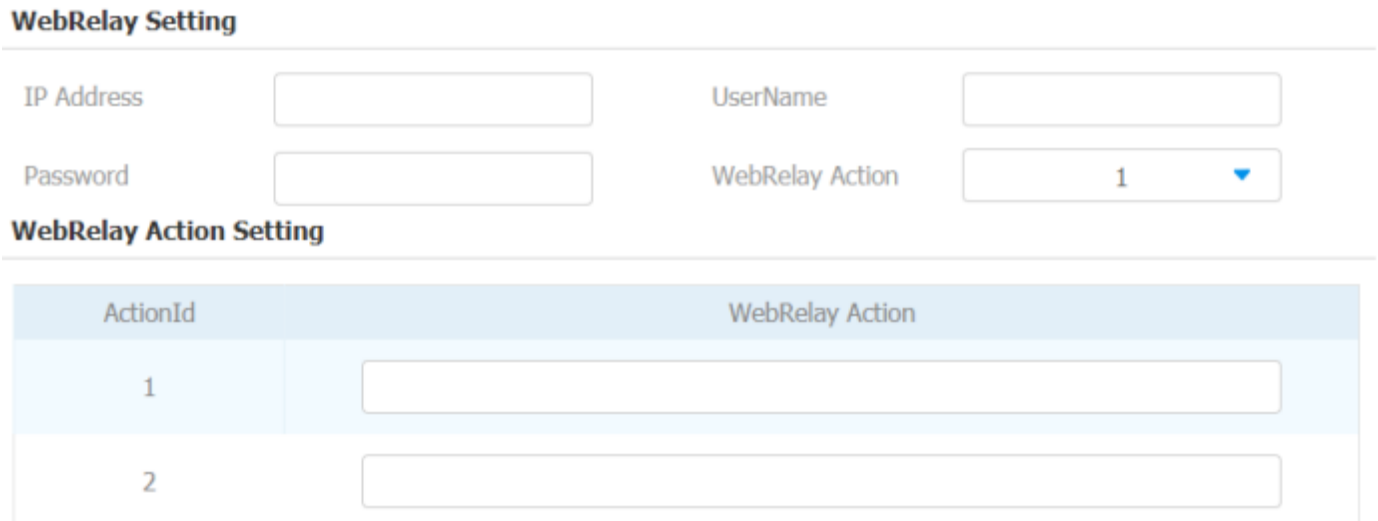


Parameter Set-up:

- **DTMF Code:** To set DTMF code for the remote relay, which is "#" by default.

15.2. Web Relay Setting

In addition to the relay that is connected to indoor monitor, you can also control the door access using the network-based web relay. To do this configuration on web **Phone > Relay > Web Relay interface.**



Pa ter Set-up:

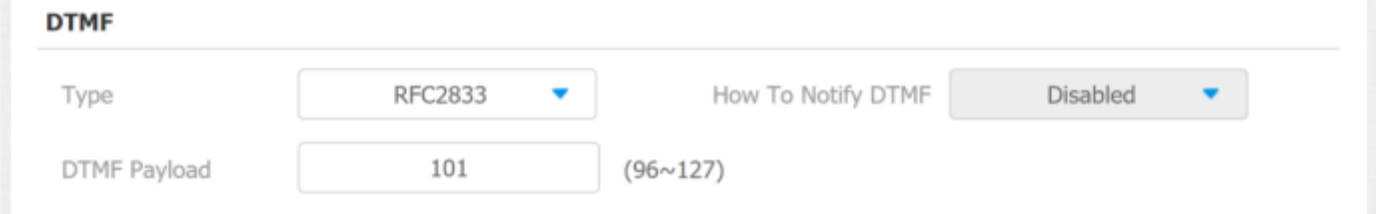
- **IP address: enter the web relay IP address.**

- **User Name:** enter the User name provided by the web relay manufacturer.
- **Password:** enter the password provided by the web relay manufacturer. The passwords is authenticated via HTTP and you can define the passwords using "http get" in Action.
- **Web Relay Action:** enter the specific web relay action command provided by the web manufacturer for different actions by the web relay.

15.3. Door Unlock Configuration

15.3.1. Door Unlock by DTMF Code

DTMF codes can be configured on the web **Account > Advanced > DTMF** interface where you can set up identical DTMF code on the corresponding intercom devices, which allows residents to enter the DTMF code on the soft keypad or press DTMF code attached unlock tab on the screen to unlock the door for visitors etc., during a call.



Parameter Set-up:

- **Type**: select DTMF type among four options: "**Inband**", "**RFC2833**", "**Info+Inband**" and "**Info+RFC2833**" according to your need.
- **How to Notify DTMF**: select among four options: "**Disable**" "**DTMF**" "**DTMF-Relay**" "**Telephone-Event**" according to your need.
- **DTMF Payload**: select the payload 96-127 for data transmission identification.

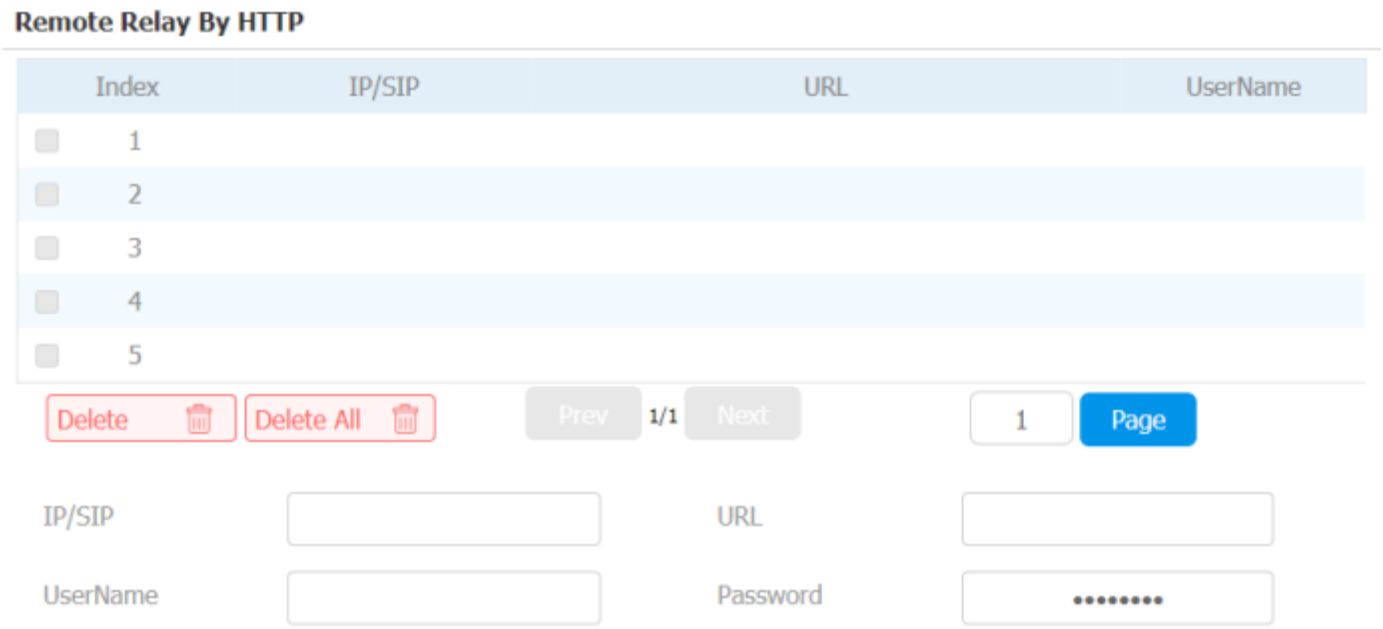
Note:

Please refer to the chapter **Relay Switch Setting** for the specific DTMF code setting. Intercom devices involved must be consistent.

the DTMF type, otherwise, DTMF code cannot be applied.

15.3.2. Door Unlock via HTTP Command

You can unlock the door remotely without approaching the device physically for the door access by typing the created HTTP command (URL) on the web browser to trigger the relay when you are not available by the door for the door access. To do this configuration on web interface **Phone > Relay > Open Relay Via HTTP.**



Parameter Set-up:

- **IP/SIP: To configure IP address or SIP account to trigger a certain remote relay of doorphone by sending HTTP message.**
- **Username:** Enter the device username to be used as a part of HTTP command to trigger the local relay.
- **Password:** Enter the device password to be used as part of HTTP command to trigger the local relay.

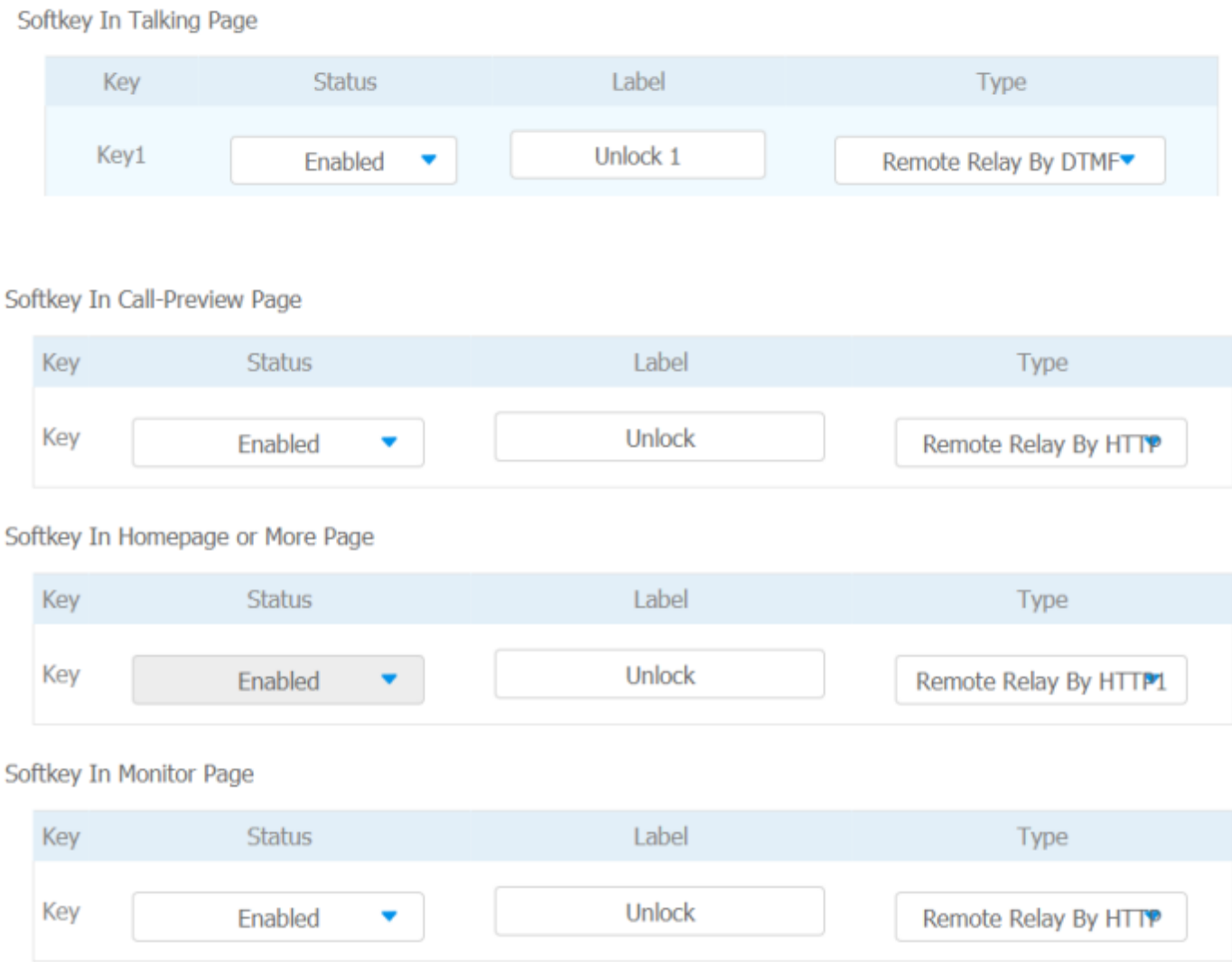
Please refer to the following example:
http://192.168.35.127/fcgi/do?action=OpenDoor&UserName=admin&Password=12345&DoorNum=1
(ht 92.168.35.127/fcgi/do?
ac penDoor&UserName=admin&Password=12345&DoorNum=1)

Note:

- DoorNum in the HTTP command above refers to the relay number #1 to be triggered

15.3.3. Unlock by Icon Button

To setup the unlock key inC313 for unlocking on web interface **Phone >Key/Display > Key Setting**.



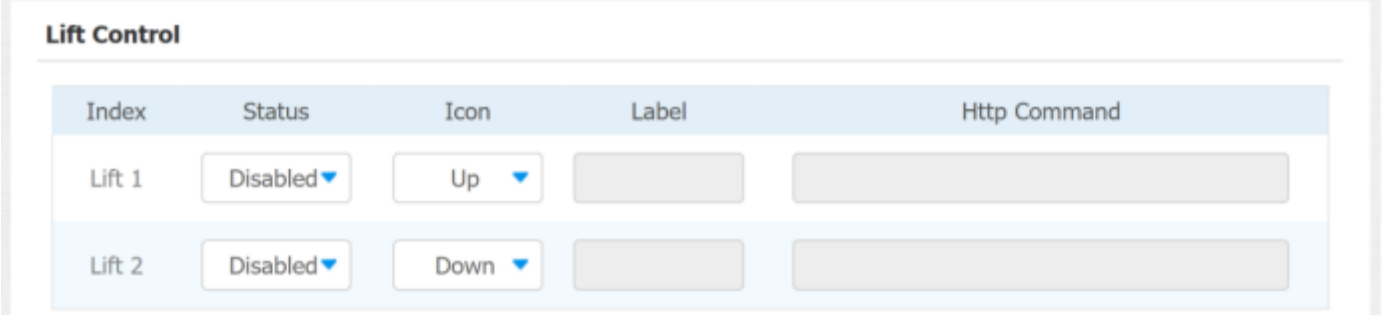
16 Device Integration with Third Party Dev

16.1. Lift Control

You can summon lift at home via lift control feature.

16.1.1. Configure Lift Control

To enable and set the display status Lift icon on device web Phone > Lift> Lift Control interface.



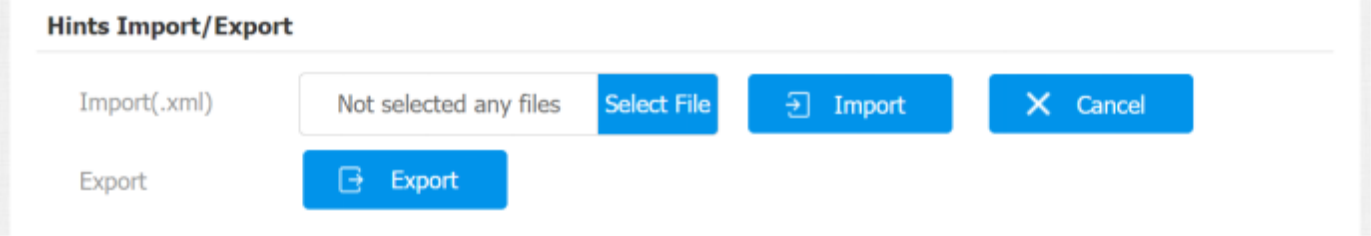
Parameter set-up:

- **Status:** click to enable or disable the lift1 button.
- **Icon:** click to select icon for the button.
- **Label:** enter the title for the button.
- **HTTP Command:** select http:// or https:// for head of http command and enter http command.

16.1.2. Configure Lift Control Prompt

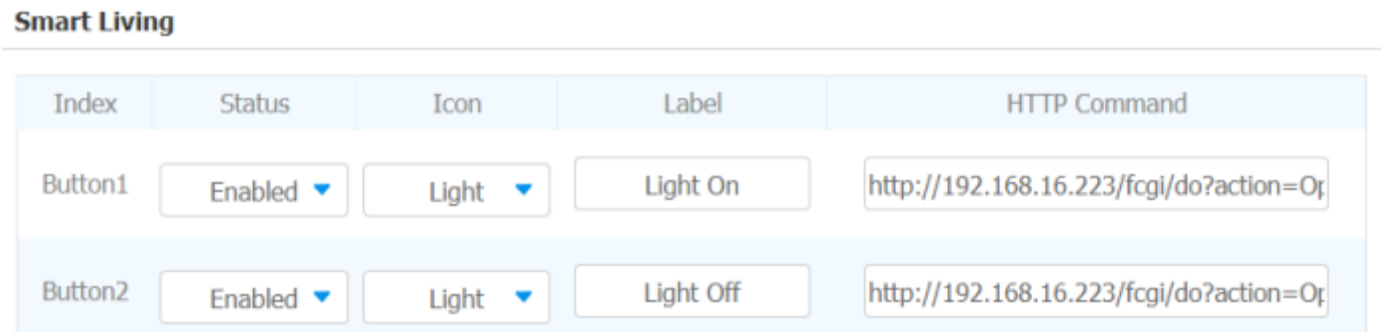
When the lift controller receives the HTTP command, it will feedback the current lift status with a prompt. To do this configuration on web Phone > Lift> Hints interface. Edit the **HTTP Status Code**, **feedback code** from Lift control board.

If t[illegible] are huge amounts of prompts need to be added, you can click **Export** tab [illegible] ex[illegible] template, after editing **to import/export.**



16.2. Smart Living Setting

You can control the home sensor through HTTP command on device web interface **Phone > Smart Living**.

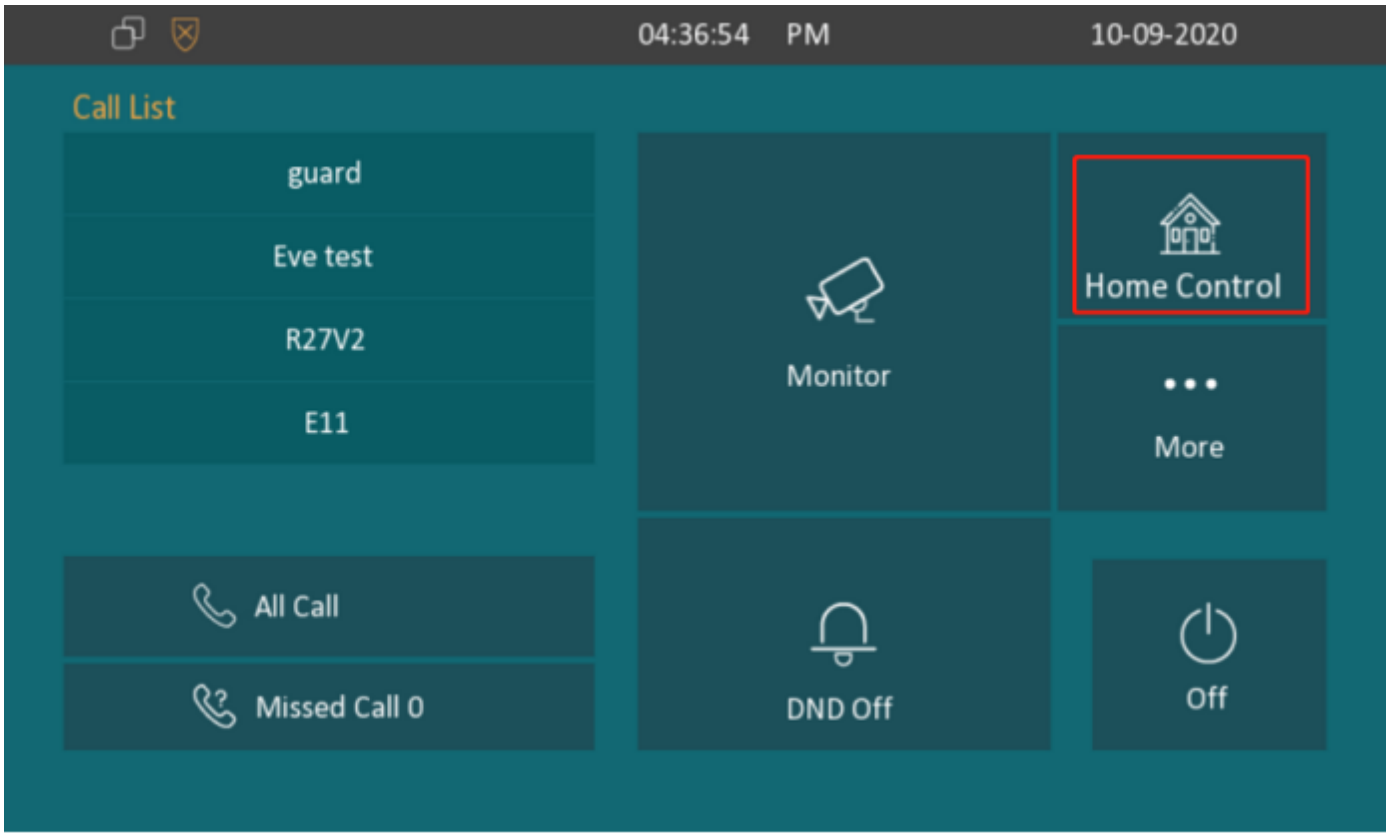


Parameter Set-up:

- **Status: Enable** or **Disable** this button. If select disable, the button won't be appeared on home control page.
- **Icon:** Select **On** or **Off**. If **On** is selected, the icon displays as yellow button. Select **Off**, the icon is white button.
- **Label**: It is used to custom the button display name.
- **HTTP command**: Setup the http command to trigger the sensor.

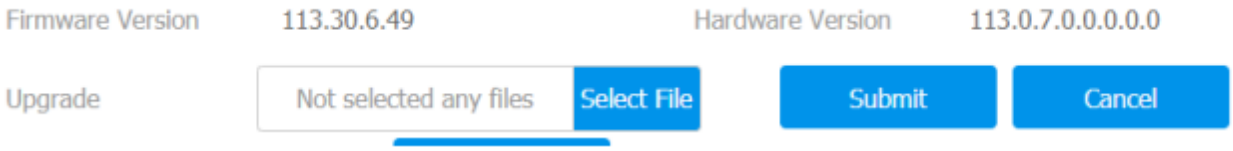
Note:

- To configure Smart Living button on **Phone > Key/Display**.



17. Firmware Upgrade

Firmware of different versions for indoor monitor can be upgraded on the device web **Upgrade > Basic** interface.

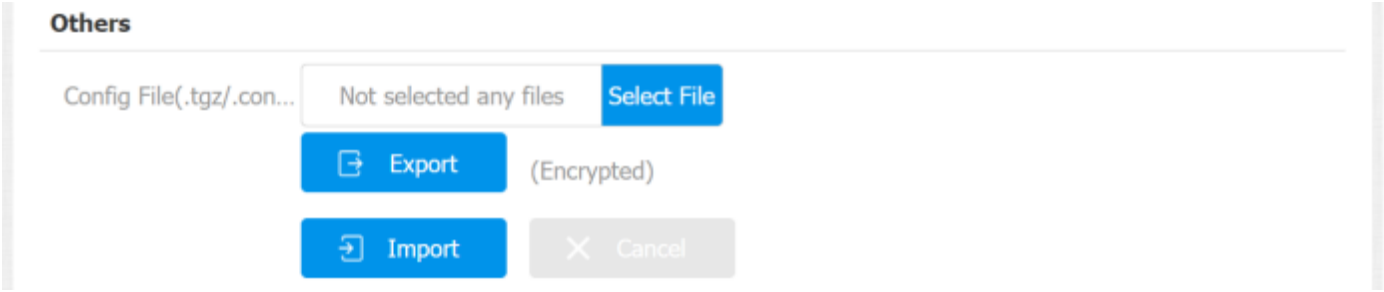


Note:

- Firmware files should be **.rom** format for upgrade.

18. Backup

Configuration files can be imported to or exported out of the device to your local PC on the device web **Upgrade > Advanced > Others** interface if needed.

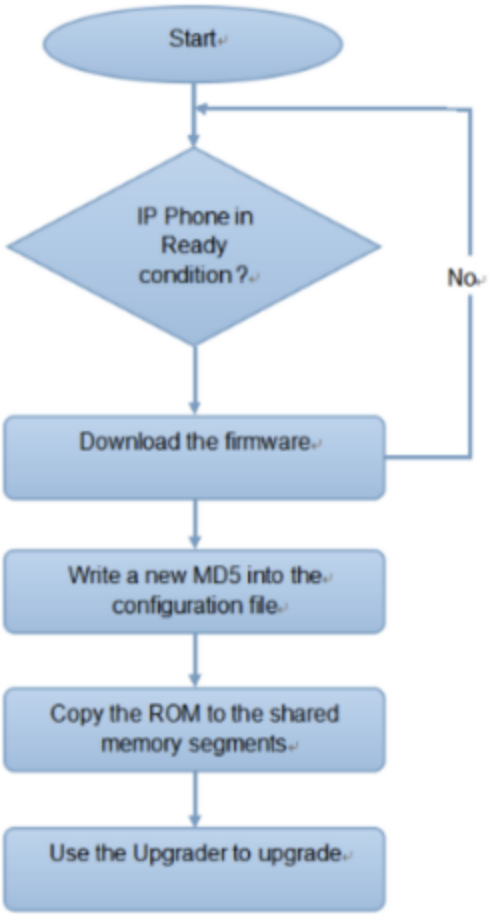


19. Auto-provisioning

19.1. Provisioning Principle

Auto-provisioning is a feature used to configure or upgrade the devices in batch via third party servers. **DHCP, PNP, TFTP, FTP, HTTPS** are the protocols used by the Akuvox intercom devices to access the URL of the address of the third-party server which stores configuration files and firmware, which will then be used to update the firmware and the corresponding parameters on the door phone.

Please see the flow chart below:



19.2. Introduction to the Configuration Files for Auto-Provisioning

Configuration files have two formats for the auto-provisioning. one is the general configuration files used for the general provisioning and other one is the MAC-based configuration provisioning.

The difference between the two types of configuration files is shown as below:

- **General configuration provisioning**: a general file is stored in a server from which all the related devices will be able to download the same configuration file to update parameters on the devices. For example: cfg.
- **MAC-based configuration provisioning**: MAC-based configuration files are used for the auto-provisioning on a specific device as distinguished by its unique MAC number. And the configuration files named with the device MAC number will be matched automatically with the device MAC number before being downloaded for the provisioning on the specific device.

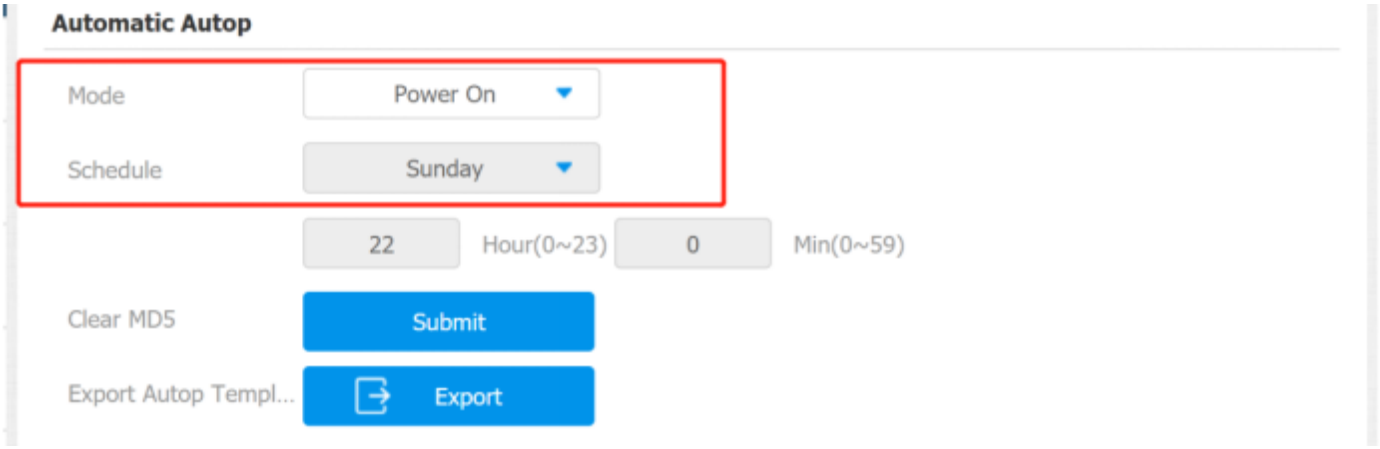
Note:

- If a server has these two types of configuration files, then IP devices will first access the general configuration files before accessing the MAC-based configuration files.

19.3. Autop Schedule

Akuvox provides you with different Autop methods that enable the indoor monitor to perform provisioning for itself in a specific time according to your schedule. To set up the schedule on device web **Upgrade > Advanced > Automatic Autop** interface.

Pl see the picture below:

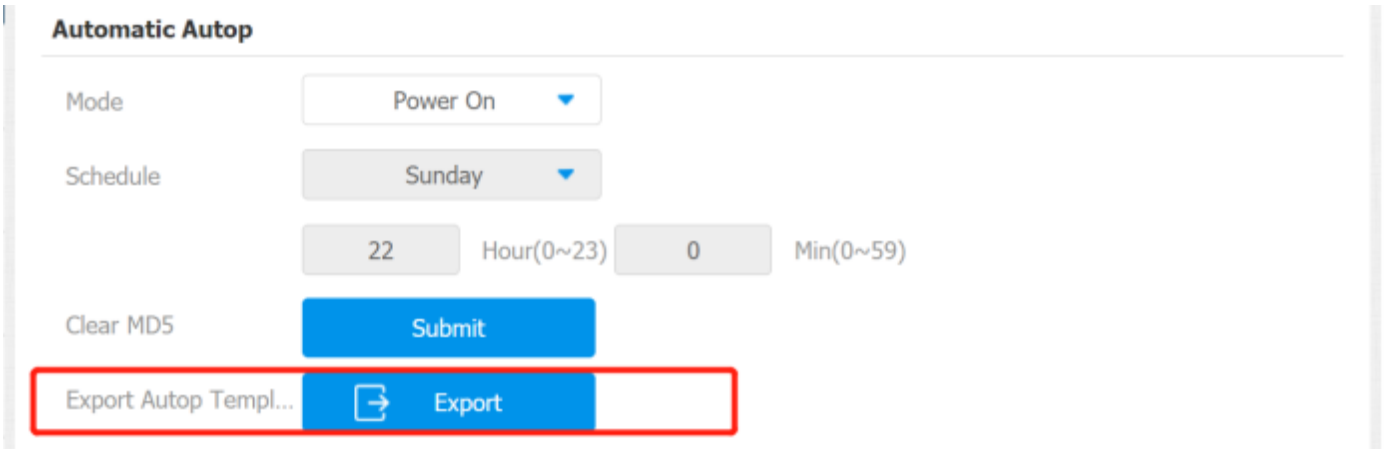


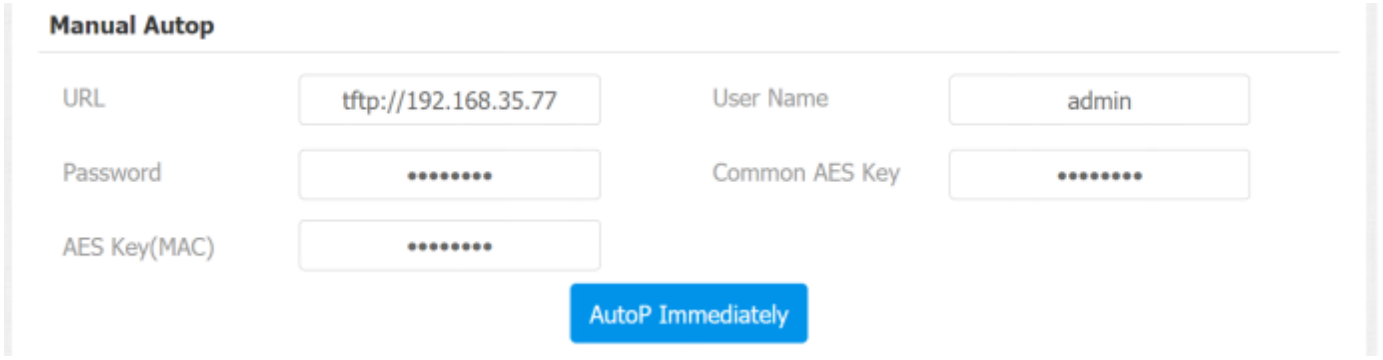
Parameter Set-up:

- **Power On:** select "**Power on**", if you want the device to perform Autop every time it boots up.
- **Repeatedly:** select "**Repeatedly**", if you want the device to perform autop according to the schedule you set up.
- **Power On + Repeatedly:** select "**Power On + Repeatedly"** if you want to combine **Power On** Mode and **Repeatedly** mode that will enable the device to perform Autop every time it boots up or according to the schedule you set up.
- **Hourly Repeat:** select "**Hourly Repeat**" if you want the device to perform Autop every hour.

19.4. Static Provisioning Configuration

You can manually set up a specific server URL for downloading the firmware or configuration file on device web **Upgrade > Advanced > Automatic Autop interface**. If an autop schedule is set up, the indoor monitor will perform the auto provisioning on a specific timing according to autop schedule you set up. In addition, TFTP, FTP, HTTP, and HTTPS are the protocols that can be used for upgrading the device firmware and configuration.





Parameter set-up:

- **URL**: set up TFTP, HTTP, HTTTPS, ftp server address for the provisioning
- **User Name**: set up a user name if the server needs a user name to be accessed to otherwise leave it blank.
- **Password**: set up a password if the server needs a password to be accessed to otherwise leave it blank.
- **Common AES Key**: set up AES code for the intercom to decipher general Auto Provisioning configuration file.
- **AES Key (MAC)**: set up AES code for the intercom to decipher the MAC-based auto provisioning configuration file.

Note:

- AES is one type of encryption, it should be configured only when the config file is encrypted with AES, otherwise leave the field blank.

Note:

- **server Address format:**
- TFTP: **tftp://192.168.0.19/**
- FTP: **ftp://192.168.0.19/** (allows anonymous login)
- **ftp://username:password@192.168.0.19/**(requires a user name and password)
- HTTP: **http://192.168.0.19/ (http://192.168.0.19/)** (use the default port 80)
- **http://192.168.0.19:8080/ (http://192.168.0.19:8080/)** (use other ports, such as 8080)
- HTTPS: **https://192.168.0.19/ (https://192.168.0.19/)** (use the default port 443)

Note:

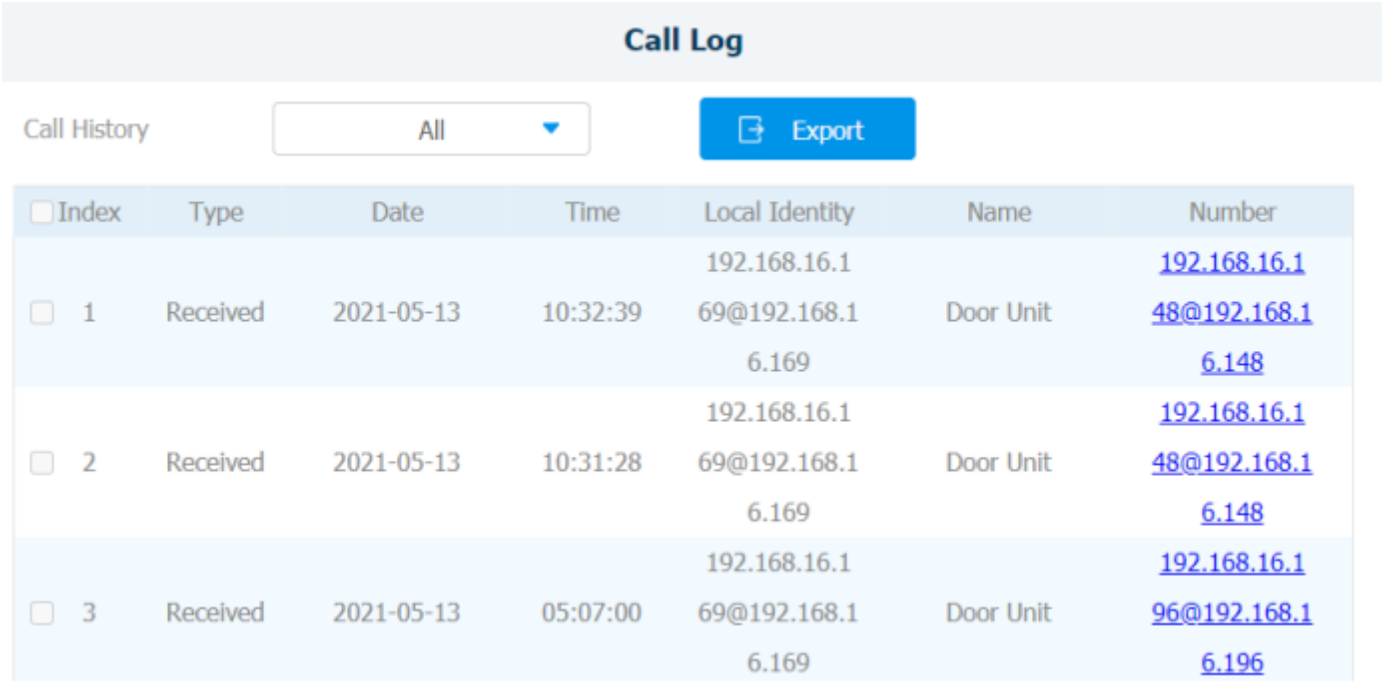
- Akuvox do not provide users specified server.
- Please prepare TFTP/FTP/HTTP/HTTPS server by yourself.

Note:

- The general configuration file for the in-batch provisioning is with the format "**cfg**" taking C313 as an example "r000000000313.cfg (9 "zeros" in total while the MAC-based configuration file for the specific device provisioning is with the format" MAC_Address of the device.cfg, for example "**0C110504AE5B.cfg."**

20. Call Log

If you want to check on the calls inclusive of the dial-out calls, received calls, and missed calls in a certain period of time, you can check and search the call log on the de veb **Contacts > Call Logs** interface and export the call log from the de needed.



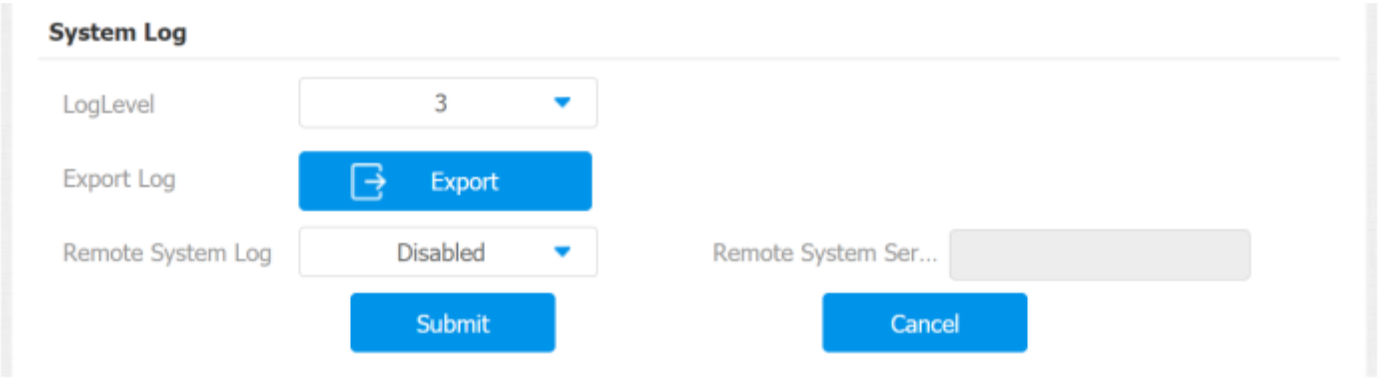
Parameter Set-up:

- **Call History:** select call history among four options: "All", "Dialed" "Rece**ived", "Missed", "Forwarded"** for the specific type of call log to be displayed.

21. Debug

21.1. System Log for Debugging

System log in the indoor monitor can be used for debugging purpose. If you want to export the system out to a local PC or to a remote server for debugging, you can set up the function on the web **Upgrade > Advanced > System Log** interface.

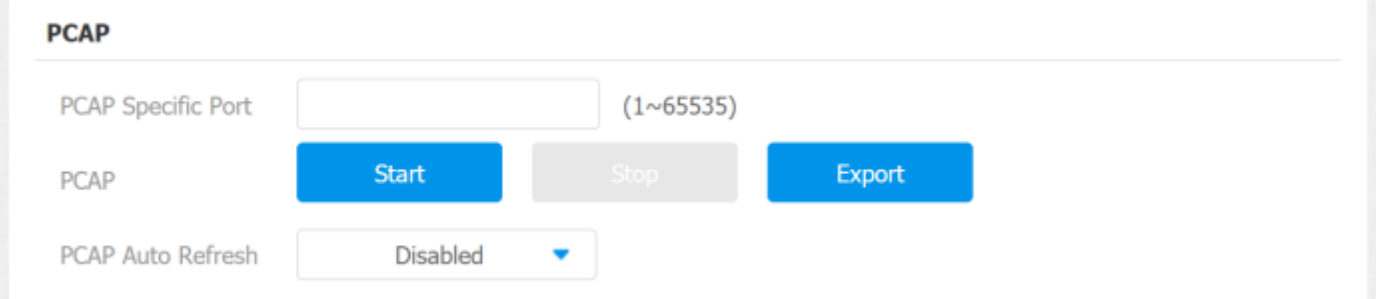


Parameter Set-up:

- **LogLevel**: select log levels from 1 to 7 levels. You will be instructed by Akuvox technical staff about the specific log level to be entered for debugging purpose. The default log level is "**3**". The higher the level is, the more complete the log is.
- **Export Log**: click th**e Export** tab to export temporary debug log file to a local PC.
- **Export Debug Log:** click the Export tab to export debug log file to a local PC.
- **Remote System Log**: select "**Enable**" or "**Disable**" if you want to enable or disable the remote system log.
- **Remote System Server**: enter the remote server address to receive the device and the remote server address will be provided by Akuvox technical support.

21.2. PCAP for Debugging

PCAP in Akuvox indoor monitor is used to capture the data package going in and out of the devices for debugging and troubleshooting purpose. You can set up the PCAP on the device web **Upgrade > Advanced > PCAP** interface properly before using it.



Parameter Set-up:

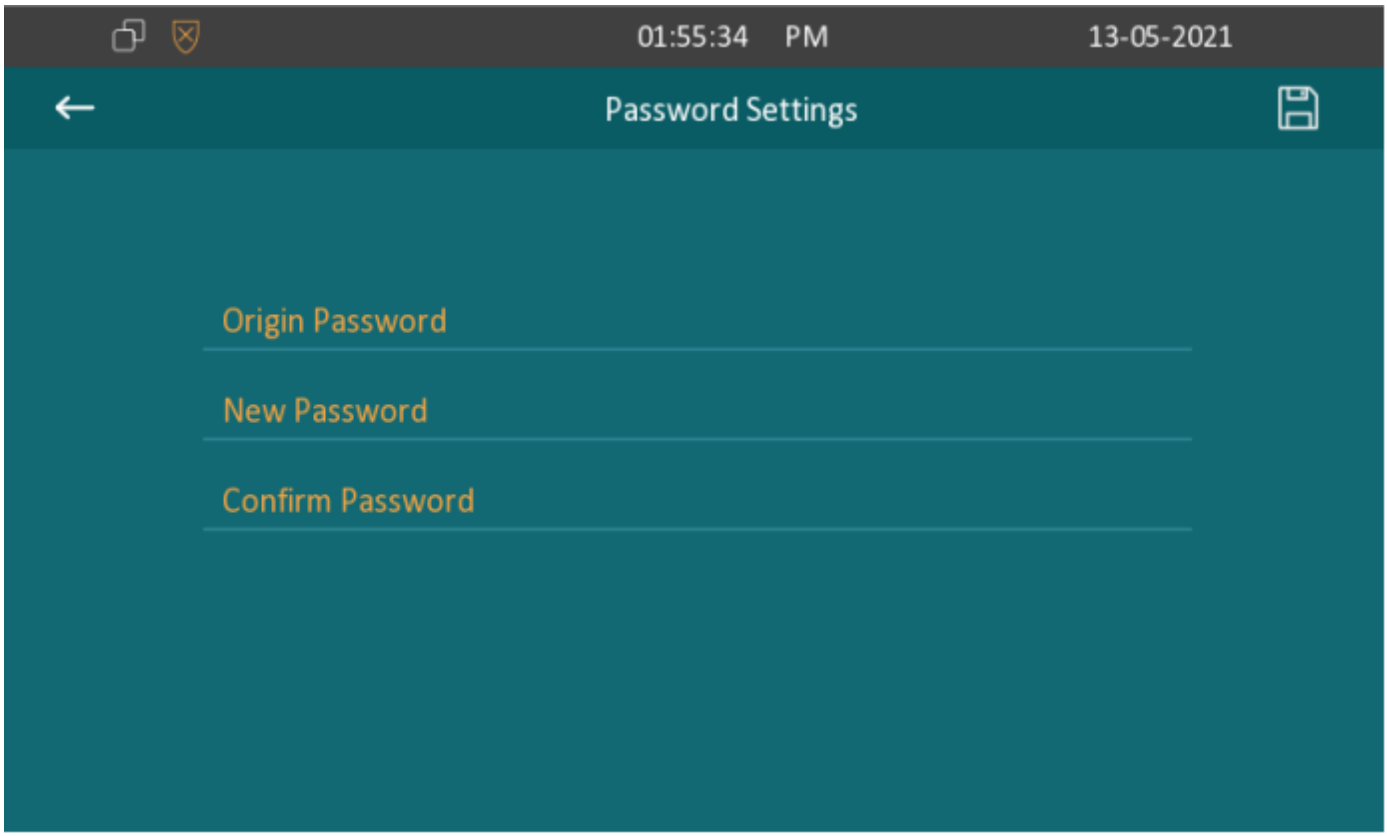
- **Specific Port**: select the specific ports from 1-65535 so that only the data packet from the specific port can be captured. You can leave the field blank by default.
- **PCAP**: click **Start** tab and **Stop** tab to capture a certain range of data packets before clicking **Export** tab to export the data packets to your Local PC.
- **P Auto Refresh**: select "**Enable**" or "**Disable**" to turn on or tu the PCAP auto fresh function. If you set it as "**Enable**" then the PCA

continue to capture data packet even after the data packets reached its 50M maximum in capacity. If you set it as "**Disable**" the PCAP will stop data packet capturing when the data packet captured reaches the maximum capturing capacity of 1MB.

22. Password Modification

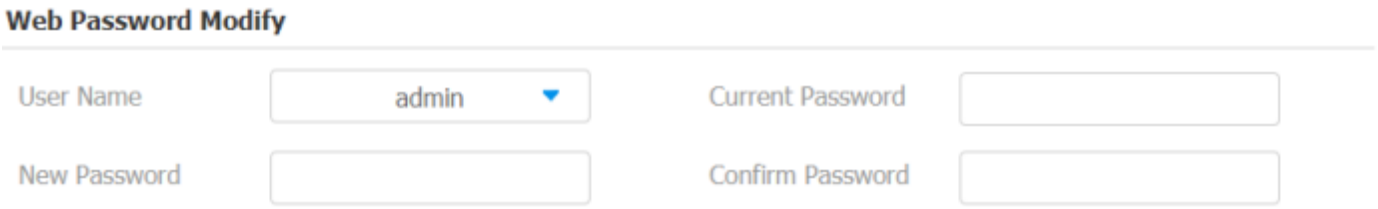
22.1. Modify Device Advanced Setting Password

This password is used to enter the advanced settings of the device, including password settings, account numbers, SOS numbers, network settings, etc. To modify the advanced setting password on device screen **More > Setting > Advance > Password**. The default password is 123456.



22.2. Modify Device Web Interface Password

To modify web interface password, you can do it on the device web interface **Security > Basic > Web Password Modify.** Select "**Admin**" for the administrator account and "**User**" for the User Account.



Note:

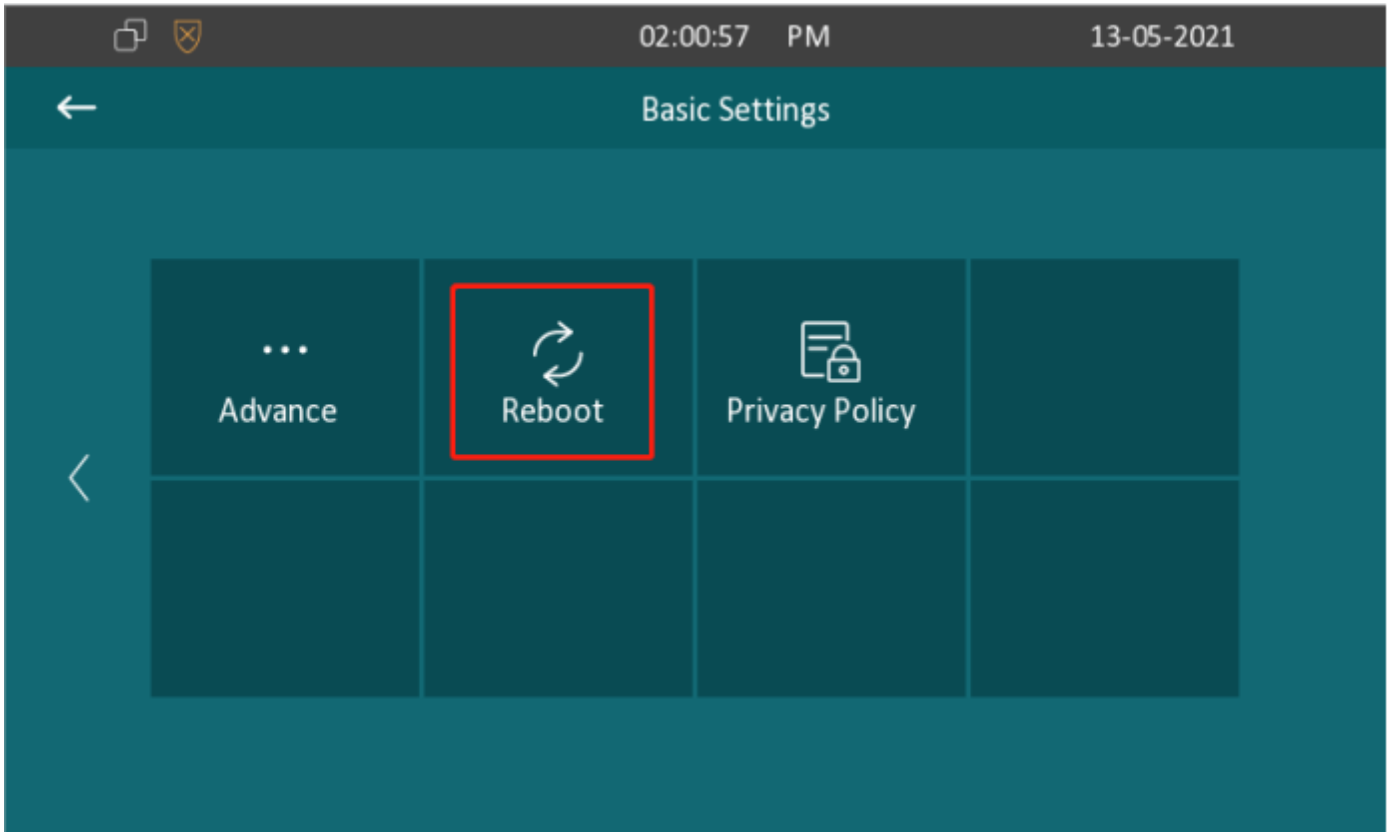
- There are two accounts, one is admin, its password is admin, the other is user, its password is user.

23. System Reboot&Reset

23.1. Reboot

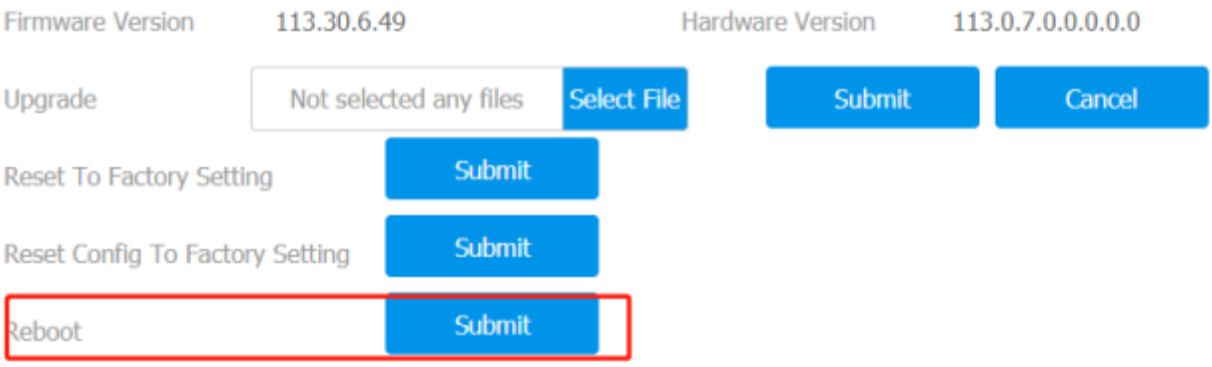
23.1.1. Reboot on the Device

If you want to reboot the system setting of the device, you can operate it directly on the device setting screen or on the device web interface. **To reboot to the system setting on device Settings >Reboot screen.**

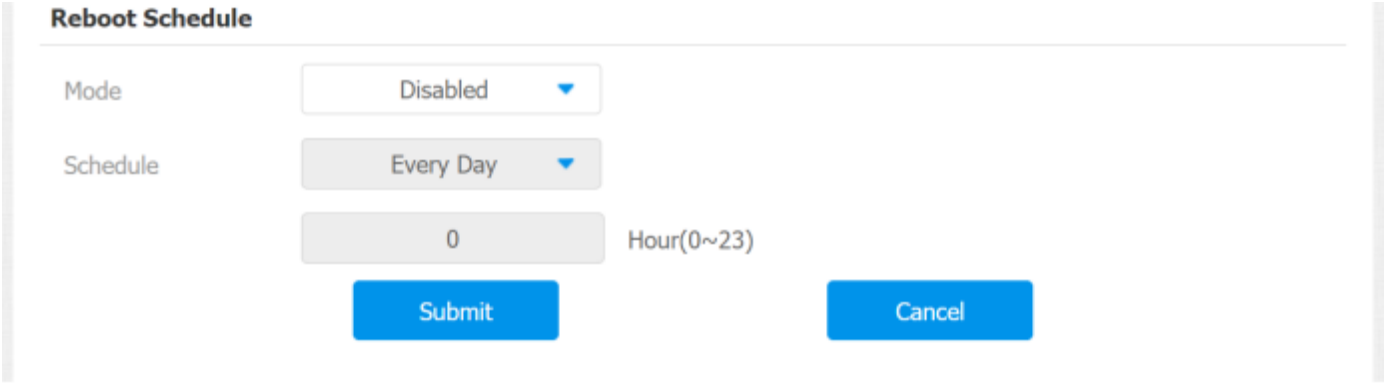


23.1.2. Reboot on the Web Interface

If you want to reboot the device system, you can operate it on the device web **Upgrade > Basic** interface as well. Moreover, you can set up schedule for the device to be restarted.



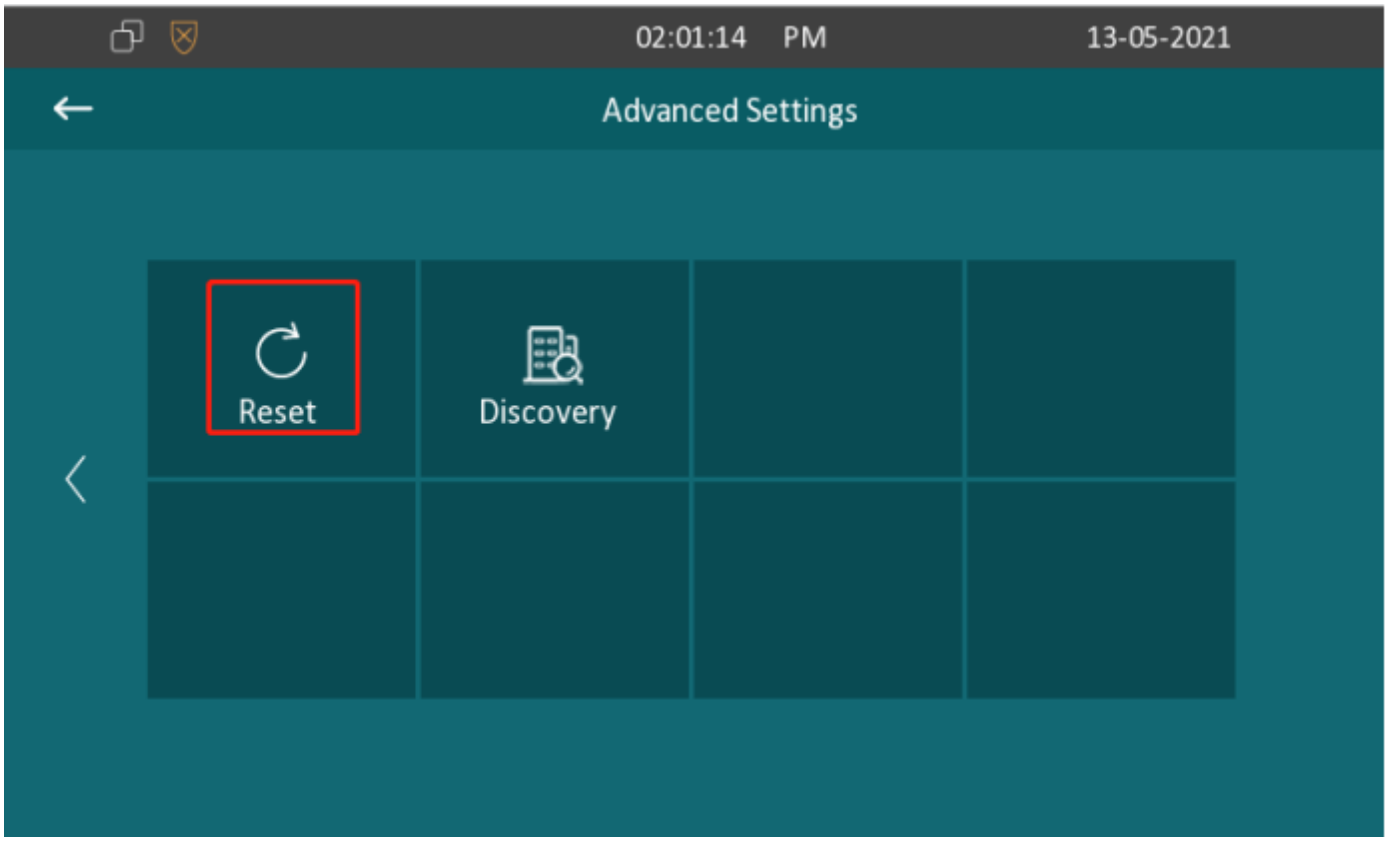
To set up the device reboot schedule on web Upgrade > Advanced > Reboot Schedule interface.



23.2. Reset

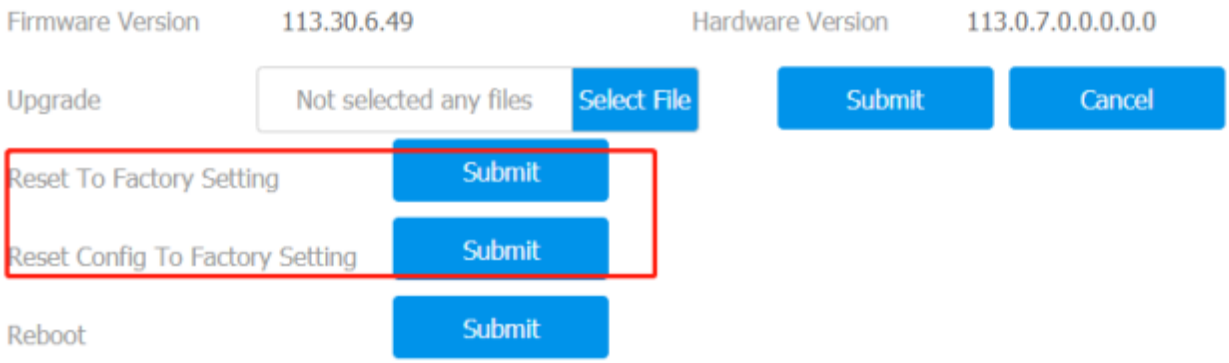
23.2.1. Reset on the Device

If you want to reset the whole device system to the factory setting, you can operate it directly on the device screen **More > Setting > Advance > Reset**.



23.2.2. Reset on the Web Interface

Device system can also be reset on device web Upgrade > Basic interface without approaching the device. **If you only want to reset to the configuration file to the factory setting, you can click Reset Config To Factory Setting on the same page.**



24. Abbreviations

ACS: Auto Configuration Server

Auto: Automatically

AEC: Configurable Acoustic and Line Echo Cancelers

ACD: Automatic Call Distribution

Autop: Automatic Provisioning

AES: Advanced Encryption Standard

BLF: Busy Lamp Field

COM: Common

CPE: Customer Premise Equipment

CWMP: CPE WAN Management Protocol

DTMF: Dual Tone Multi-Frequency

DHCP: Dynamic Host Configuration Protocol

DNS: Domain Name System

DND: Do Not Disturb

DNS-SRV: Service record in the Domain Name System

FTP: File Transfer Protocol

GN round

HTTP: Hypertext Transfer Protocol

HTTPS: Hypertext Transfer Protocol Secure Socket Layer

IP: Internet Protocol

ID: Identification

IR: Infrared

LCD: Liquid Crystal Display

LED: Light Emitting Diode

MAX: Maximum

POE: Power Over Ethernet

PCMA: Pulse Code Modulation A-Law

PCMU: Pulse Code Modulation μ-Law

PCAP: Packet Capture

PNP: Plug and Play

RFID: Radio Frequency Identification

RTP: Real-time Transport Protocol

RTSP: Real Time Streaming Protocol

MPEG: Moving Picture Experts Group

MWI: Message Waiting Indicator

NO: Normal Opened

NC: Normal Connected

NTP: Network Time Protocol

NAT: Network Address Translation

NVR: Network Video Recorder

ON  Open Network Video Interface Forum

SIP: Session Initiation Protocol

SNMP: Simple Network Management Protocol

STUN: Session Traversal Utilities for NAT

SNMP: Simple Mail Transfer Protocol

SDMC: SIP Devices Management Center

TR069: Technical Report069

TCP: Transmission Control Protocol

TLS: Transport Layer Security

TFTP: Trivial File Transfer Protocol

UDP: User Datagram Protocol

URL: Uniform Resource Locator

VLAN: Virtual Local Area Network

WG: Wiegand

25. FAQ

Q1: How to obtain IP address of C313

A1: You can use the display screen to get the IP information, just check the IP address at **More > Status**.

You can also use Akuvox IP Scanner to search Akuvox devices in the same LAN network.

Q2: Do Akuvox devices support opus codec?

A2: For now, only Akuvox Android video IP phone R48G can support Opus audio codec. Door phone and indoor monitor still not supports.

Q3: Can I install apps at Akuvox indoor monitor?

A3: Akuvox have indoor monitor based on Linux system and Android system. For Lir ystem device (IT80/IT81/C312/C313 series), no possible to install third r

app. For android system device (C315/C317/IT83/IT83/X933 series), You can install third party apps as your wish.

Q4: Can I connect electrical lock to indoor monitor?

A4: Akuox indoor monitor have relay component, so you can connect electrical lock to indoor monitor.

Q5: Can I communicate other indoor monitors with the indoor monitor?

A5: Akuvox device can communicate with each other, no matter it is indoor monitor, door phone or IP phone. Of course, indoor monitor can call to other indoor monitors, also if you want, you can set other indoor monitor as auto answer mode.

26. Contact US

For more information about the product, please visit us at**www.akuvox.com (http://www.akuvox.com/)**or feel free to contact us by

Sales email: sales@akuvox.com

Technical support email: support@akuvox.com

Telephone: +86-592-2133061 ext.7694/8162

We highly appreciate your feedback about our products.

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