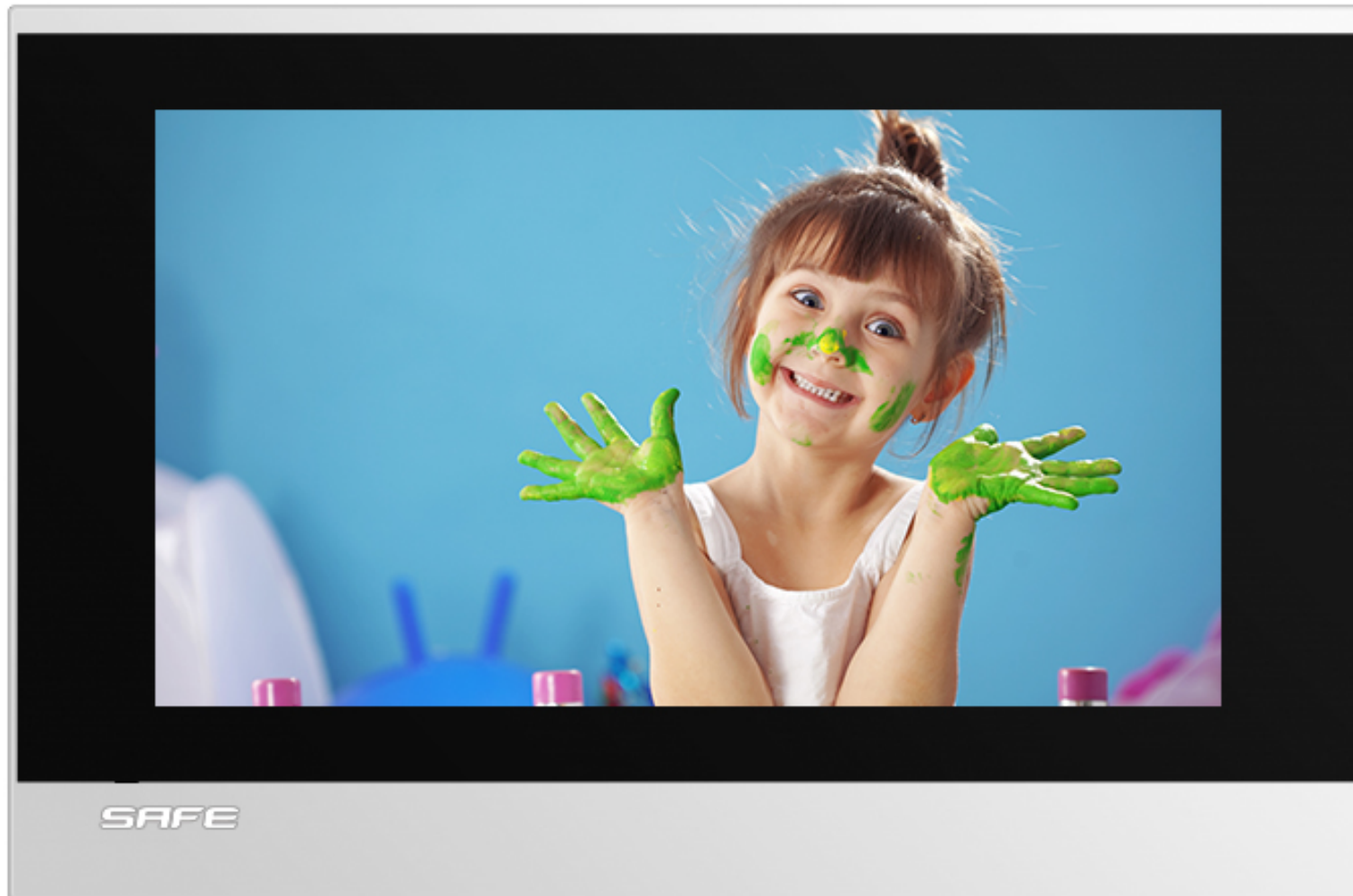


Indoor phone Safe S31IP SIP (mod.C313)



About This Manual

Thank you for choosing Safe S31IP mod.C313 indoor monitor. This manual is intended for end users, who need to use and configure the indoor monitor. It provides an overview of the most essential functions and features of the product, whose firmware version is 113.241.4.4.

Contact us

For more information about the product, please visit us at www.safeautomation.pl or feel free to contact us by

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Technical support email: ip@safeautomation.pl

We highly appreciate your feedback about our products.

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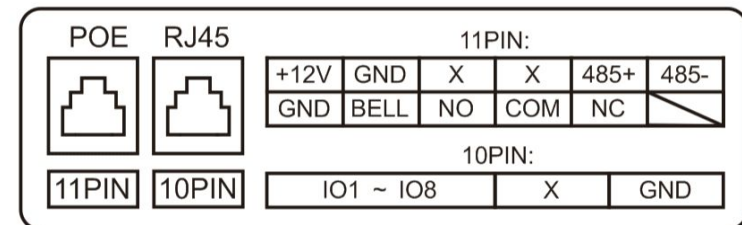
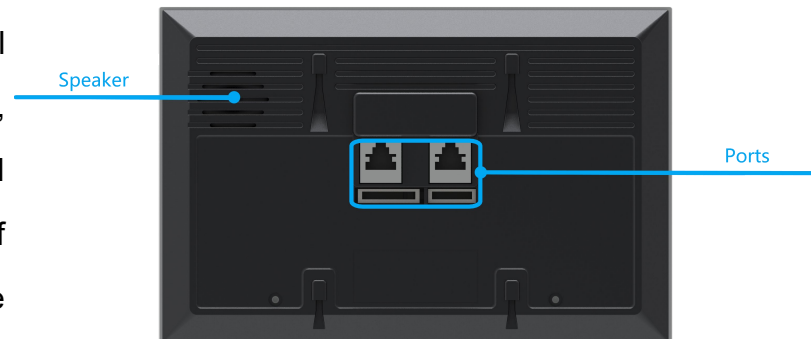
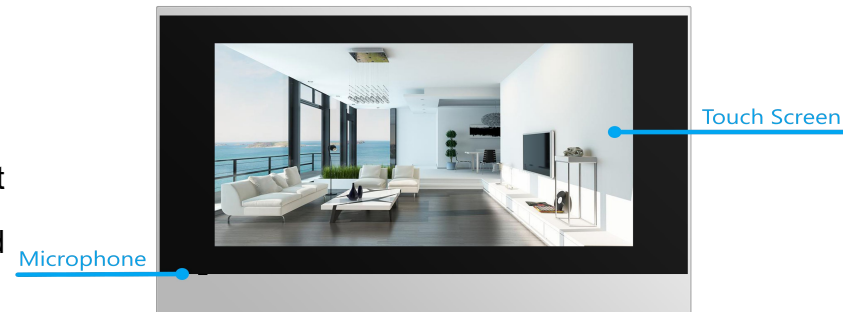
1. Product overview

1.1. Product Description

S31IP is a Linux-based IP indoor monitor with a touch screen. It incorporates audio communications, access control sensor arming and obtain video stream from door phone or IPC.

Its finely-tuned Linux OS allows for better suit the habit of usage of local people. Powered by it, S31IP multiple ports, such as I/O and Bell ports, can be used to easily integrate external Arming systems, such as bell controller and fire alarm detector, helping create a holistic control of home safety and access control and giving occupants a great sense of security.

It is applicable to multi-storey residential buildings or villas.



1.2. Power connection

The S31IP is powered by simply connecting the two wires of the power adapter to the wiring interface on the back of the indoor monitor.

S31IP also support POE(Power Over Ethernet).

11 PIN connector	For power supply , RS485, Bell and Relay connector.
10 PIN connector	For 8 security connector
Ethernet 1	Network port with POE(Power over Ethernet),can be connected to a hub, switch or other network access devices.
Ethernet 2	Share the network access from Ethernet 1 port, and for PC and other equipment connection.

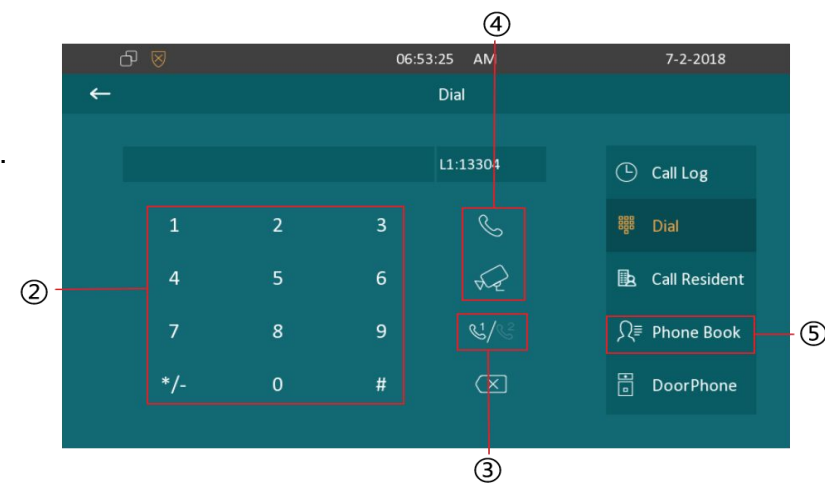
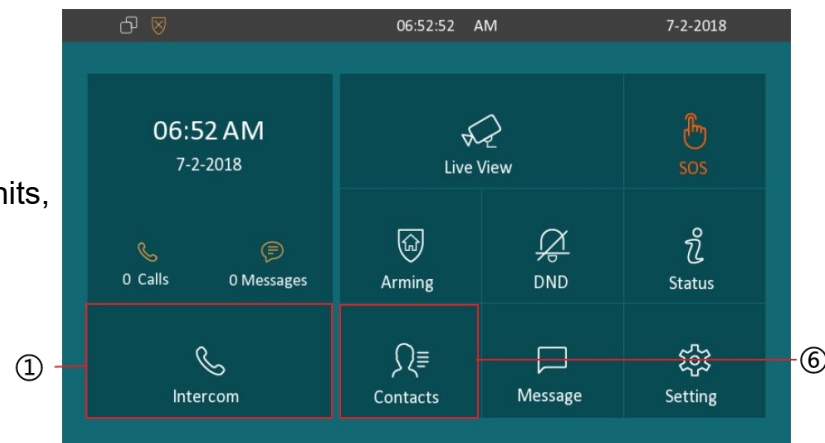
2. Daily use

2.1. Making a call

There are two ways to make a call from the indoor monitor to other units, which can be another indoor monitor or an intercom app.

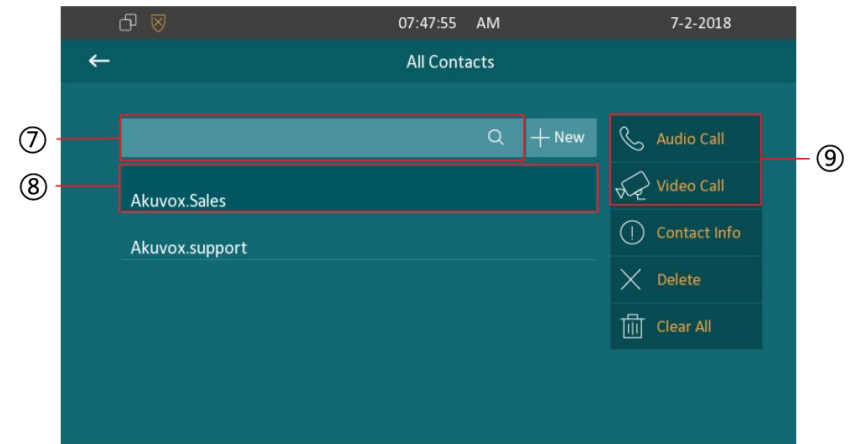
2.1.1. Calling from digital keypad

- ① Tap the icon to enter the call interface.
- ② Enter the number to call on the digital keypad,
- ③ Choose a account for this outgoing call.
- ④ Tap the dial key, you can choose audio call or video call to dial out.



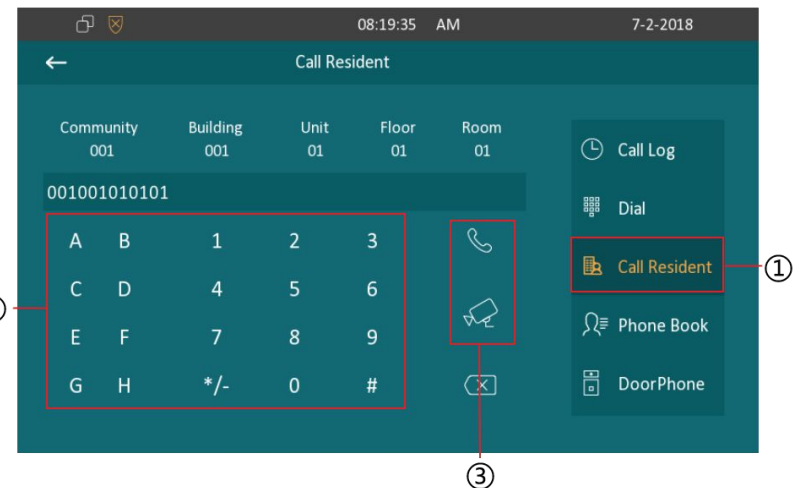
2.1.2. Calling from phonebook

- ⑤ Tap the icon to enter the phonebook.
- ⑥ Or tap this icon to enter the phonebook.
- ⑦ After choosing group, to search the list by number or alphabet.
S31IP supports fuzzy matching query.
- ⑧ Scroll up or down the pre-imported contact list.
- ⑨ Tap the dial key next to the contact found.



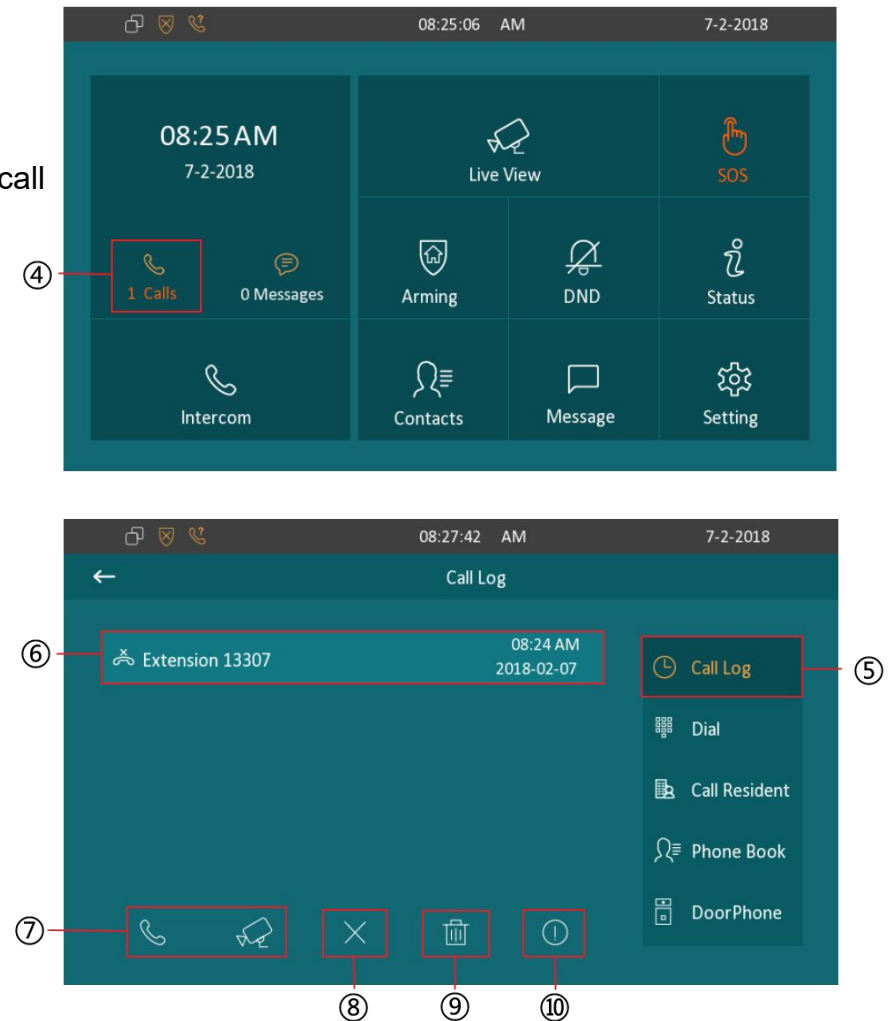
2.1.3. Calling resident

- ① Press the icon to enter the call resident interface.
- ② Enter the room number you want to call, for example, if you want to call the community1, Building 1, Unit 1, Floor 1, Room1; enter 001001010101, and then ③ press dial key. You can choose the audio call or video call.



2.1.4. Calling from call log

- ④ Press the icon to enter the call log interface.
- ⑤ You can also choose the icon in intercom interface to check call log.
- ⑥ Choose a log.
- ⑦ Choose audio or video call to dial out.
- ⑧ Press the icon to delete the selected call log.
- ⑨ Press the icon to delete all of the call log.
- ⑩ Press the icon to check exact information of the selected call log.



2.1.5. Calling doorphone

① Press to make a call out, if you want to call doorphone unit.

2.2. Receiving a call

2.2.1. Receive a incoming call

① There will be a video preview in this window, when you receive a incoming call.

② Press this icon to pick up the incoming call as an audio call.

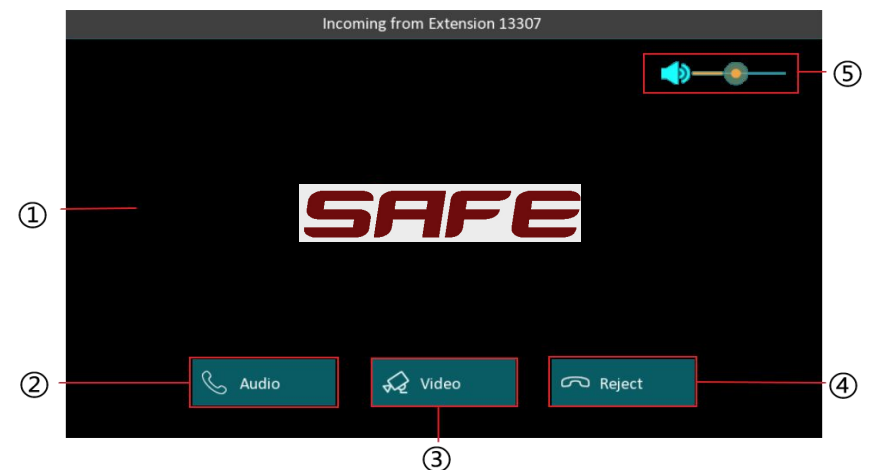
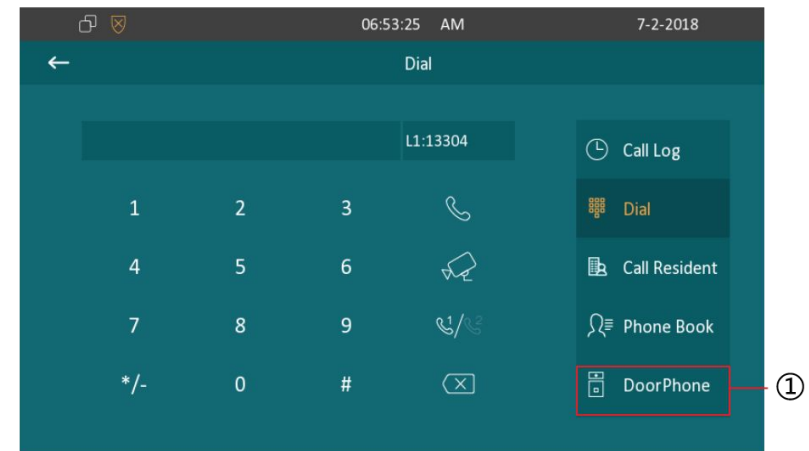
③ Press this icon to pick up the incoming call as a video call.

④ Press this icon to reject the incoming call.

⑤ Press this icon to adjust the ring tone volume.

2.2.2. During the session

① The call video will be showed in this window.



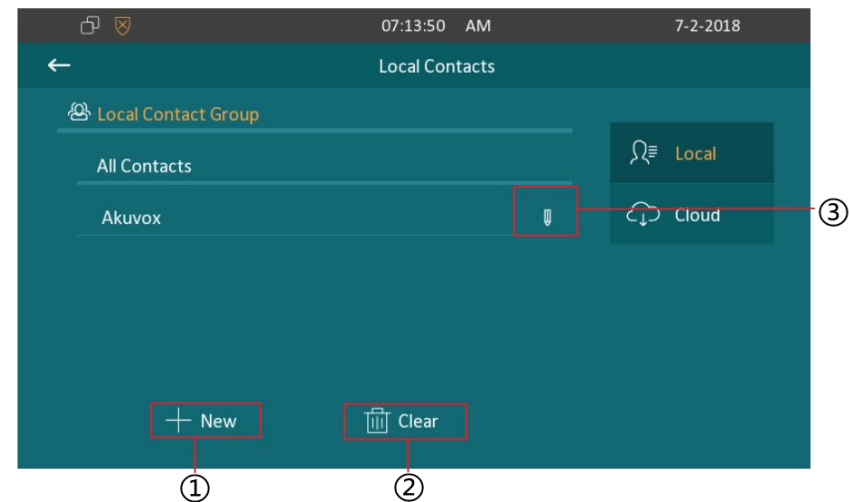
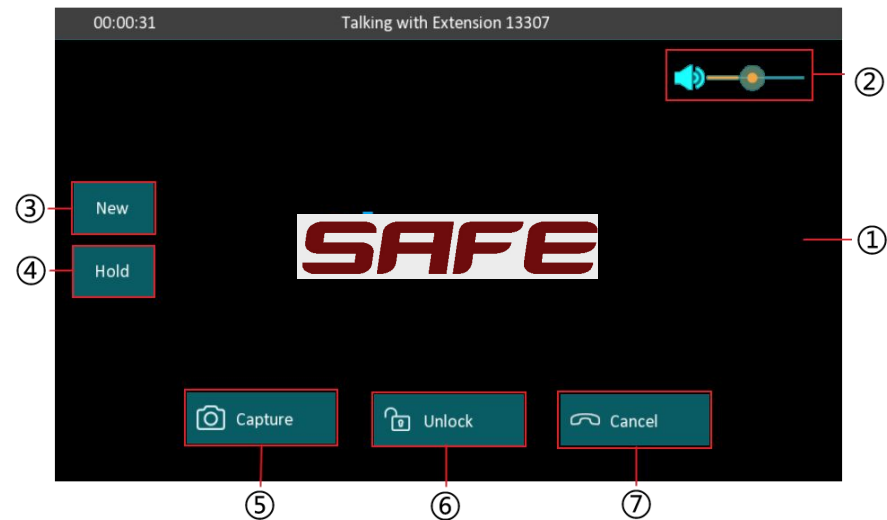
- ② To adjust the volume here.
- ③ Press this icon to dial out another number.
- ④ Press this icon to hold the current call.
- ⑤ Press this icon to capture the video.
- ⑥ Press this icon to unlock the corresponding door phone (if the call is from door phone)
- ⑦ Press this icon to hang up the current call.

2.3. Contact

2.3.1. Local Phonebook

- ① Press the icon to create a new group.
- ② Press the icon to delete the groups you want to delete.
- ③ Press the icon to modify the corresponding group.

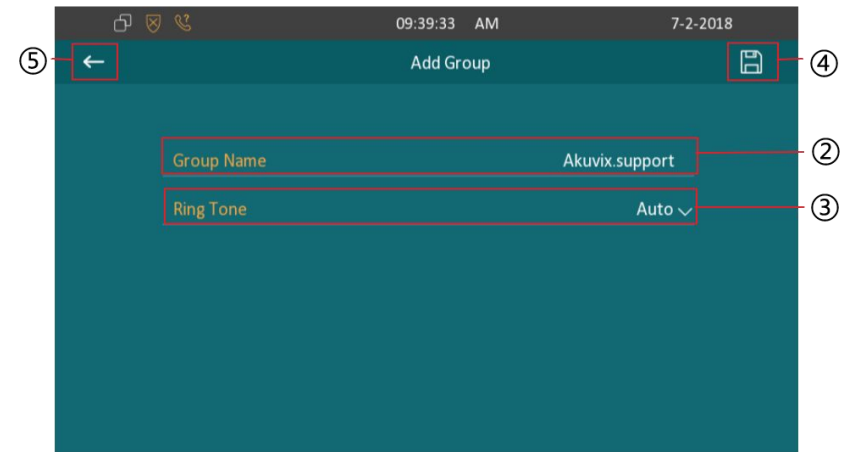
Notes: For cloud contact, it needs S31IP to work with Akuvox cloud server. Then cloud server will assign contacts automatically. For more information, please contact with your administrator.



2.3.1.1. Add a group

Enter the phone book interface, you can

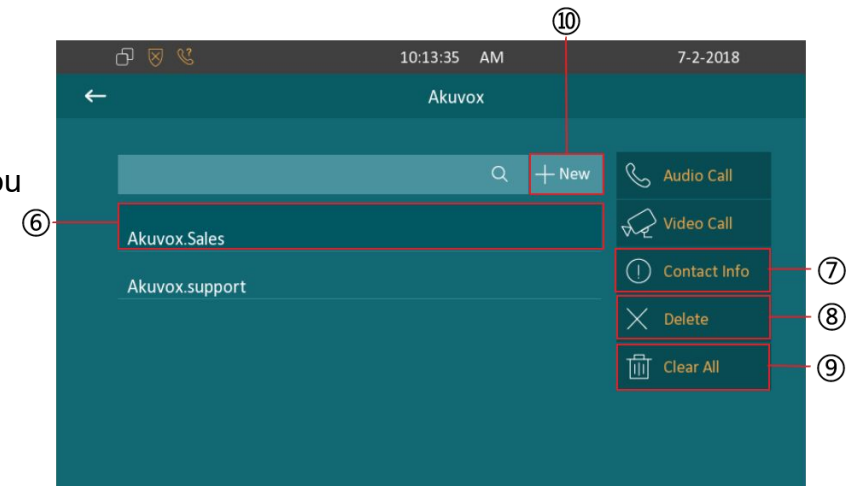
- ① Press the icon to add a group.
- ② Type in the group name.
- ③ Choose a ring tone for this group.
- ④ Press this icon to save the group.
- ⑤ Press the icon to cancel the operations.



2.3.1.2. Manage Contact

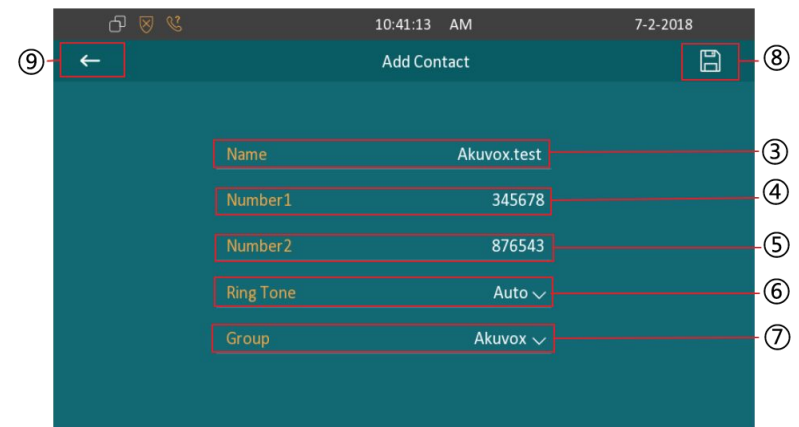
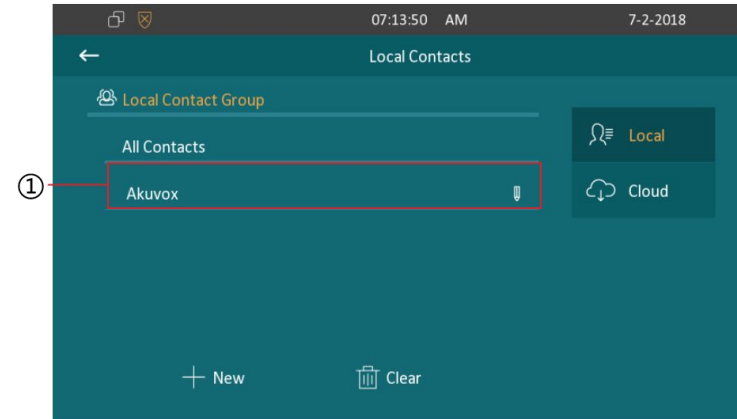
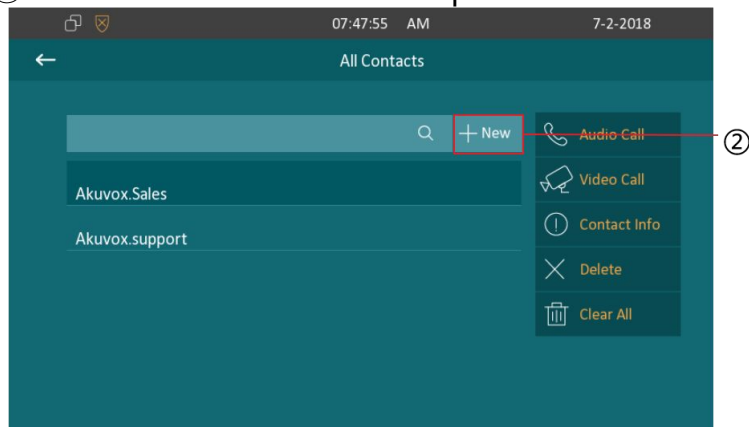
Enter the contacts interface, ⑥ select a contact.

- ⑦ Press the icon to check the exact information of selected contact, you can also modify it in contact info interface.
- ⑧ Press this icon to delete the selected contact.
- ⑨ Press this icon to clear all contacts.
- ⑩ Press this icon to create a new contact.



2.3.1.3. Add a contact

- ① Select a group, to check the contacts in this group.
- ② Press the icon to add a contact.
- ③ Type in the contact name.
- ④ Type in the number 1, it must be a room number.
- ⑤ Type in the number 2, it can be a SIP number or IP number.
- ⑥ Select a specific ring tone for this contact.
- ⑦ Select a group for this contact
- ⑧ Press this icon to save the contact.
- ⑨ Press this icon to cancel the operations.



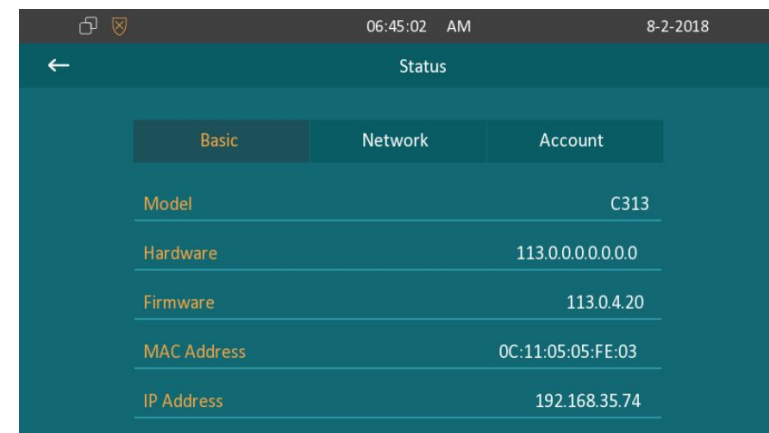
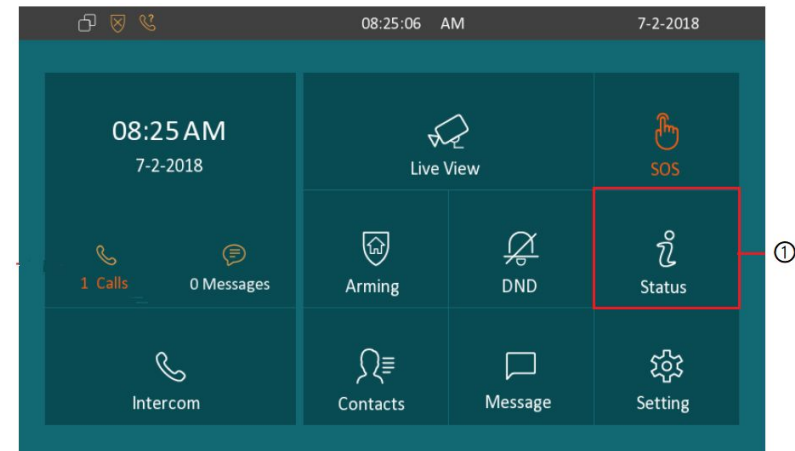
2.4. Status

2.4.1. Basic Status

To check S31IP status by ① pressing this icon.

After entering the status interface, it shows the basic status as default.

You can check the Model, Hardware version, Firmware version, Mac Address and IP Address information and so on.

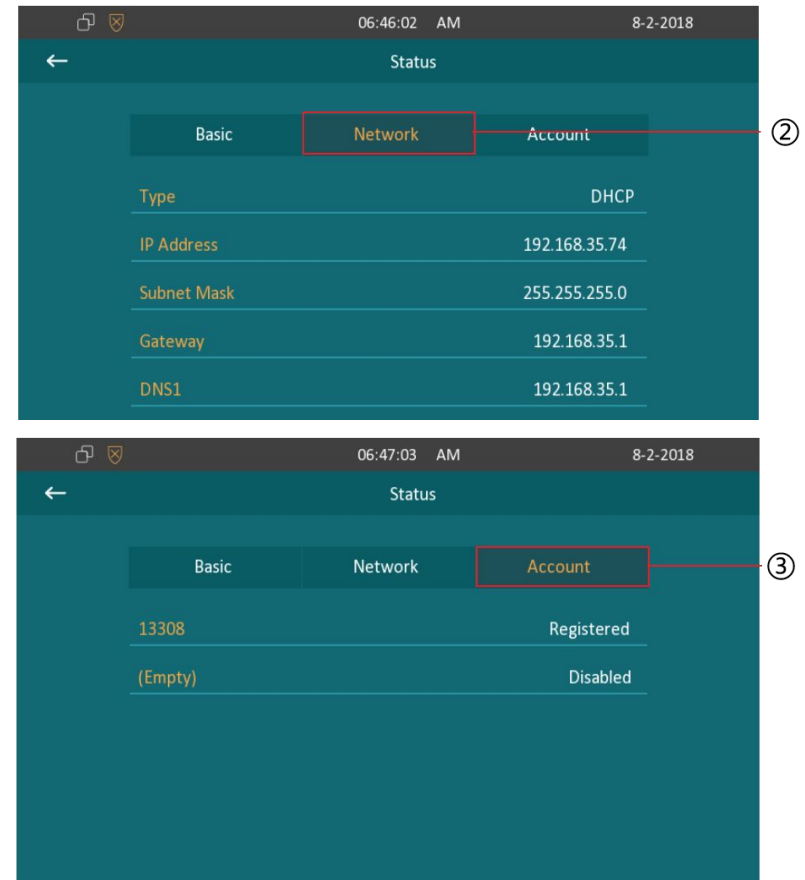


2.4.2. Network Status

② Press the icon to check the network status. You can check the LAN type, LAN IP, subnet mask, gateway and DNS here.

2.4.3. Account Status

③ Press the icon to check the account status. You can check the account number and status here, registered means it works normally.

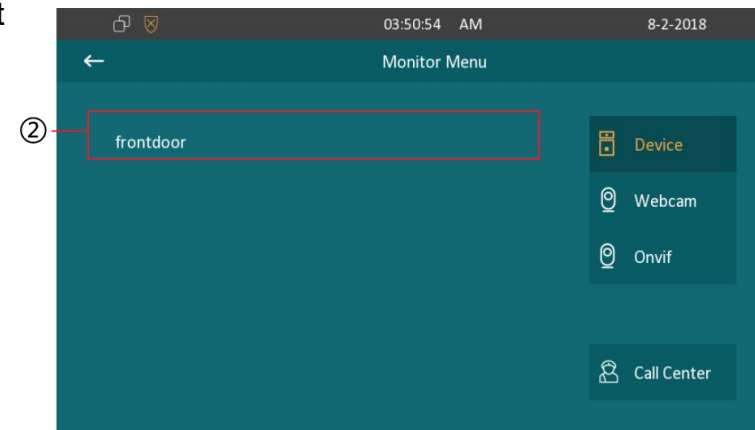
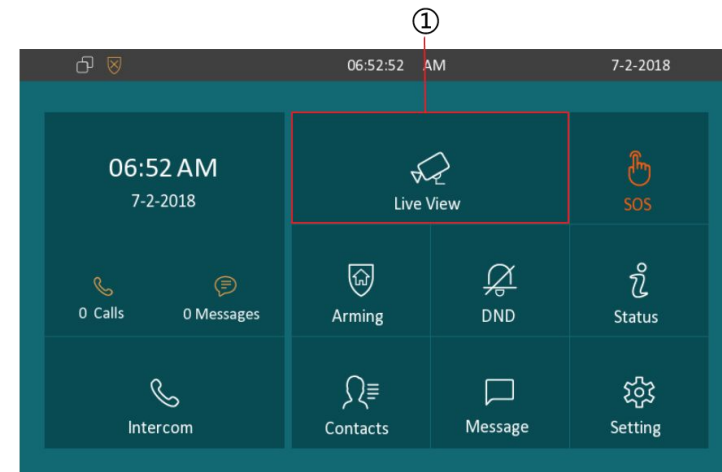


2.5. Live view

① Press the icon to receive the video from indoor IPC or community IPC any time.

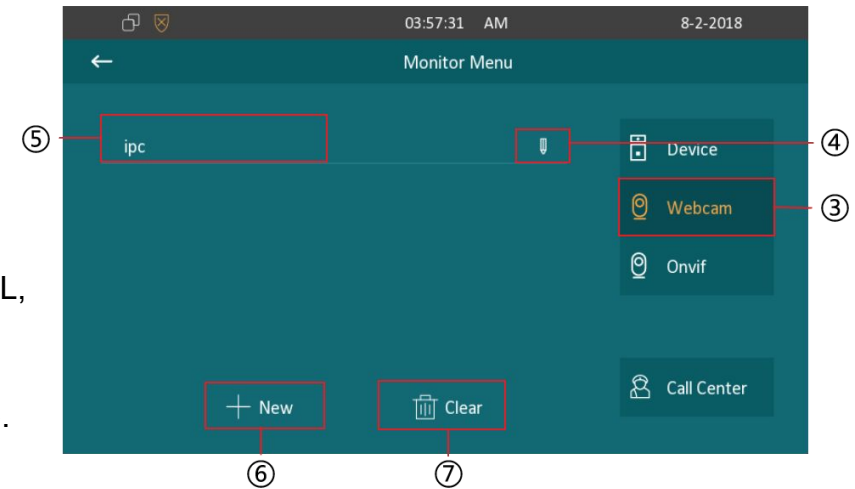
2.5.1. Door Phone

② By entering the monitor interface, it is door phone list by default. You can receive video from predefined doorphone station which you set under the path "Setting-Advance- Door Station".



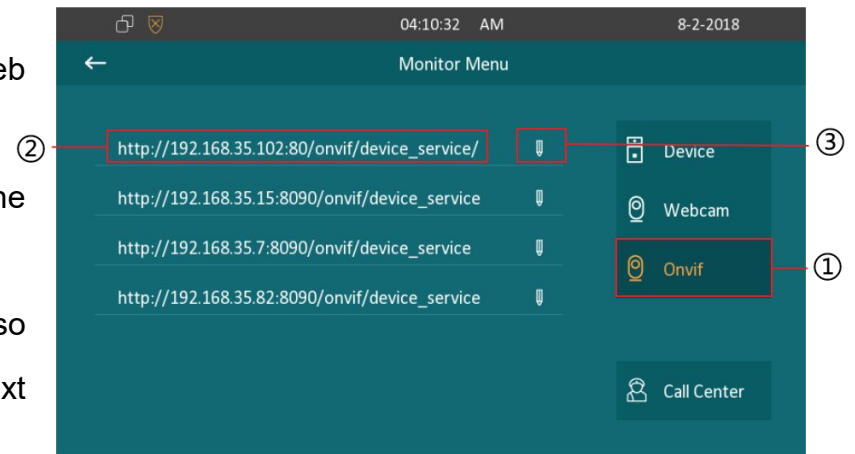
2.5.2. Web Camera

- ③ Press the icon to enter the web camera list.
- ④ Press this icon to modify information for corresponding IPC.
- ⑤ Click one of webcams, you can check its video stream.
- ⑥ Press this icon to add a new webcam. You need to setup its rtsp URL, name, and authentication information.
- ⑦ Press this icon, you can delete anyone ipc which you want to delete.



2.5.3. Onvif

- ① Press the icon to enter the Onvif list. S31IP will detect available web camera via ONVIF protocol automatically.
- ② Choose a URL to get the corresponding video. You need to enter the username and password for access.
- ③ Press this icon, you can set a device name for this URL, you can also save the access information so that you can monitor it conveniently next time.



2.6. Message(s)

① Press the icon to enter the message interface. There will be a notification here if there is any unread message. Or ② press this icon to enter the message interface.

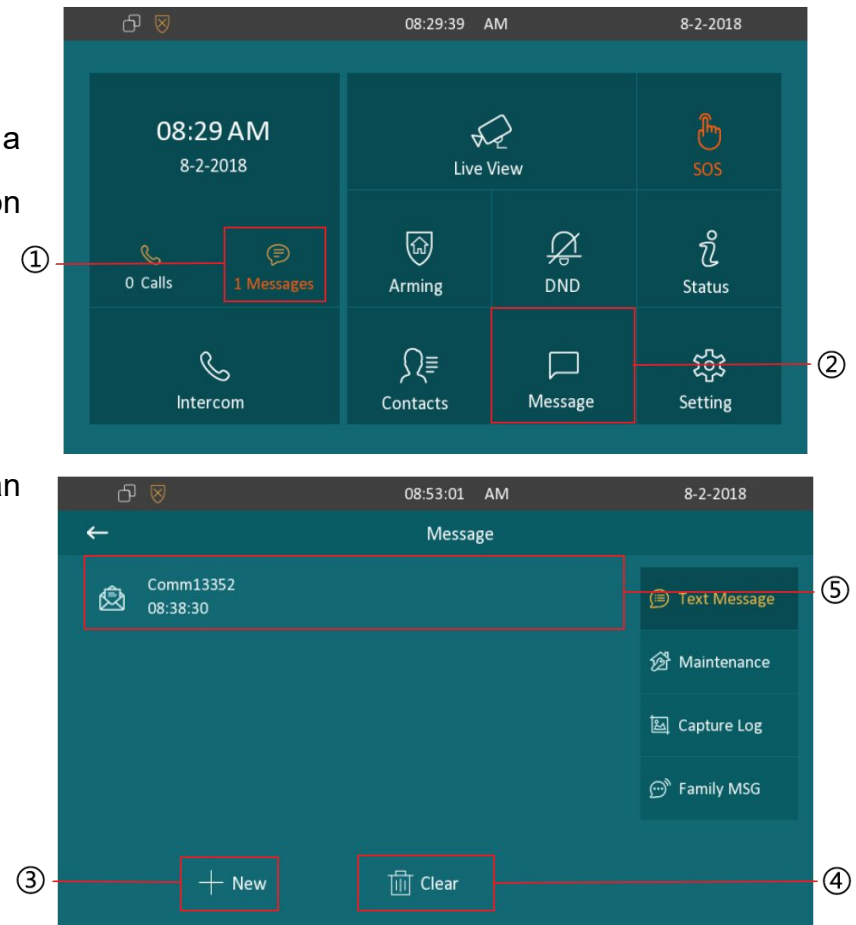
2.6.1. Text Message

By entering the message interface, it is text message list. You can check the message you received or what you sent here.

③ Press this icon to create a new message.

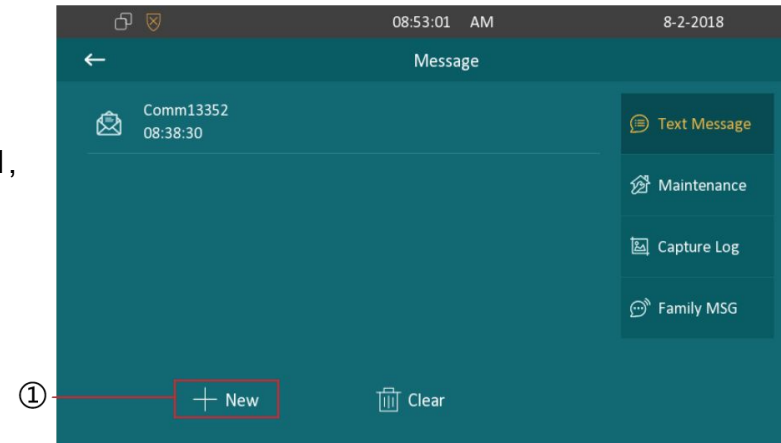
④ Press this icon to delete messages.

⑤ Select a message to check the content.



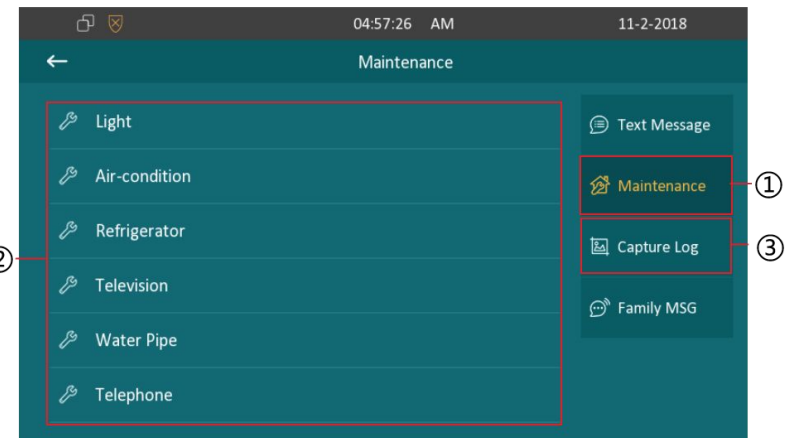
2.6.2. Create message

- ① Press this icon to create a new message.
- ② This option is to set the destination. If you want to call community 1, building 1, unit 1, floor1, room 1, you need to enter 1.1.1.1.1.
- ③ This option is to type in your message context.
- ④ Press the icon to send the message to the predefined destination.
- ⑤ Press the icon to cancel and back to sent list.



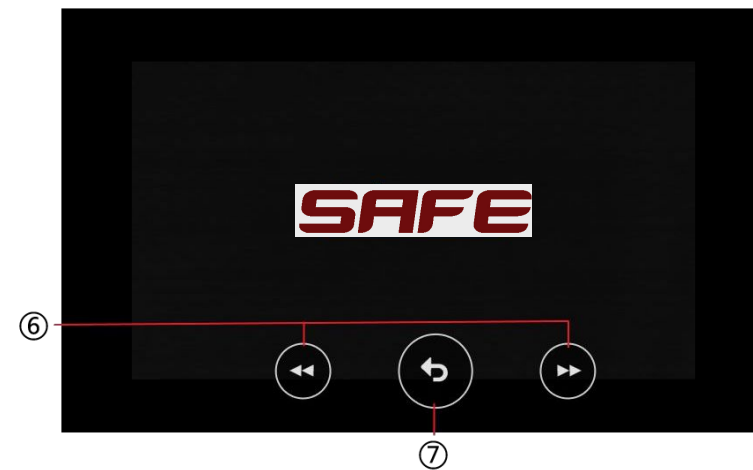
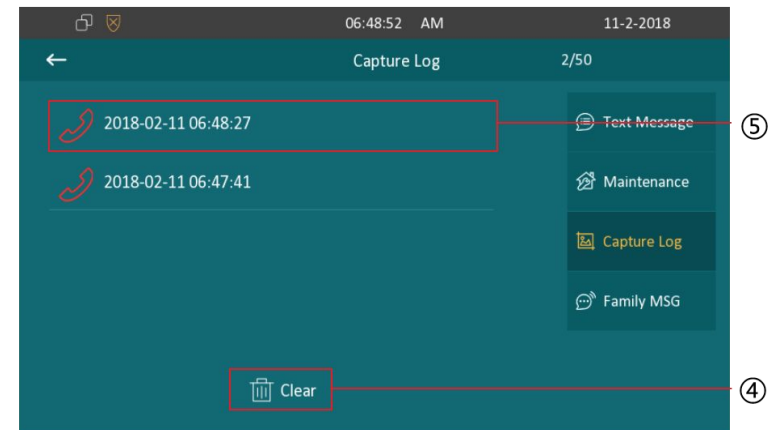
2.6.3. Maintenance

- ① Press this icon to enter the maintenance list. The maintenance message will be sent to the property management center so that you can ask for help.
- ② Select which problem you are facing. And press confirm when you see the prompt. For example, if the light does not work, click Light column, then confirm to ask for help.



2.6.4. Capture Log

- ③ Press this icon to enter capture log list.
- ④ Press this icon to delete capture logs.
- ⑤ Choose a log to check the capture.
- ⑥ Press left/right key to check the previous/next capture.
- ⑦ Press this icon to back to capture log list.

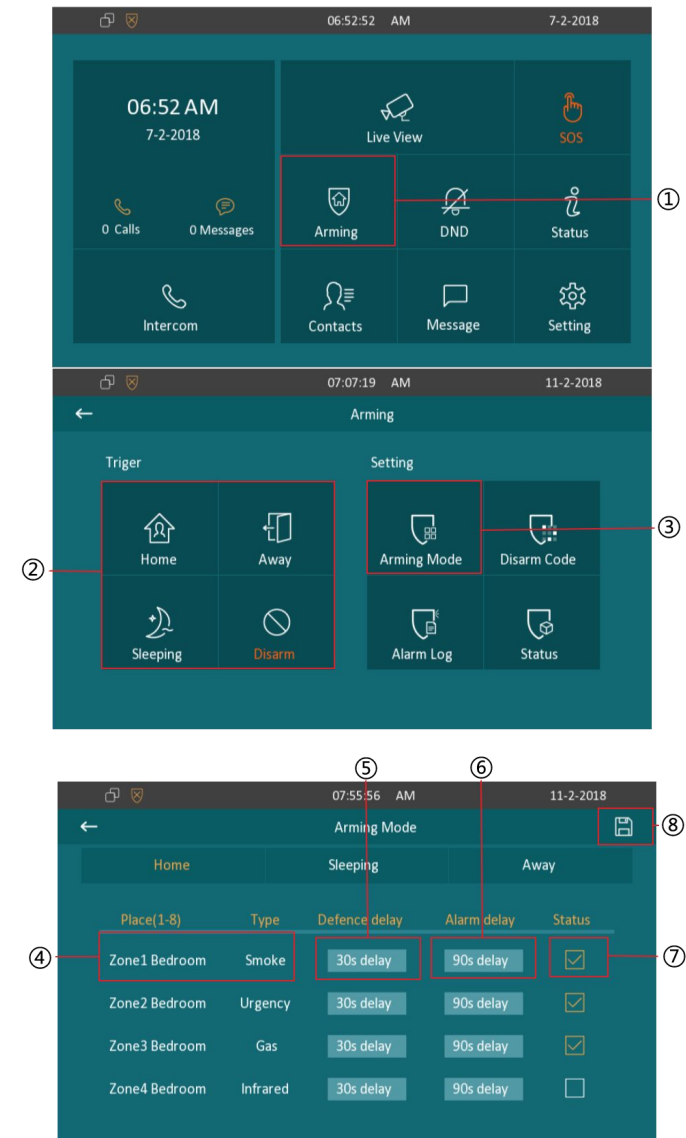


2.7. Arming

- ① Press the icon to enter the Arming interface.
- ② S31IP supports 4 mode, they are indoor mode, sleeping mode, outdoor mode and disarm mode.

2.7.1. Arming Mode

- ③ Press this icon to enter the arming mode settings interface.
- ④ You can see all of the 8 zones and corresponding sensor types (slide down to check more information) in this interface.
- ⑤ Press this icon to set the defence delay time. It means when you change to the arming mode from other modes, there will be 30 seconds delay time.
- ⑥ Press this icon to set the alarm delay. It means when the sensor triggered, there will be 90 seconds delay time to announce the notification.
- ⑦ Tick/untick to enable/disable the corresponding zone



under the selected mode.

⑧ Press save icon to save the modification.

2.7.2. Disarm Code

① Press this icon to enter the disarm code settings interface.

You can modify the disarm code here.

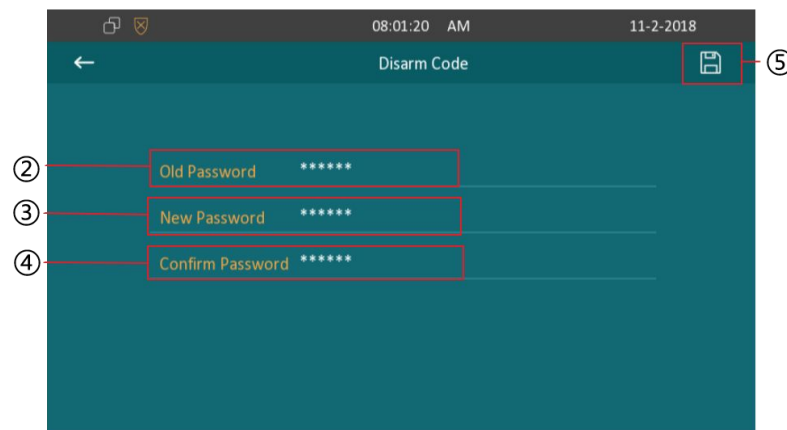
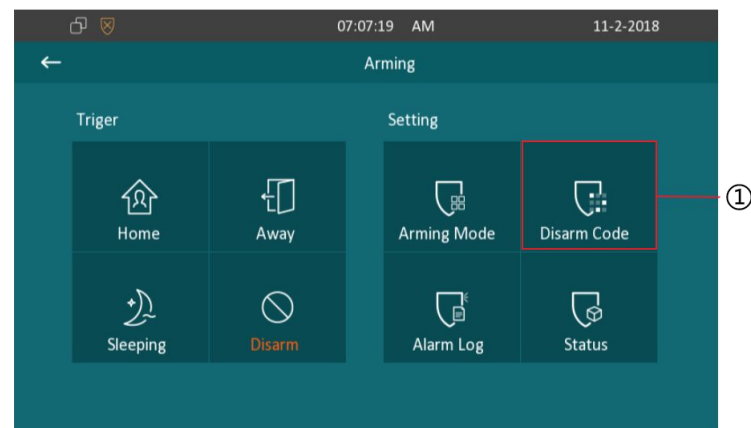
② Enter the old disarm code first, it is 0000 as default.

③ Enter the new disarm code

④ Enter the new disarm code again for confirming.

⑤ Press save icon to save the modification.

..



2.7.3. Alarm Log

① Press this icon to enter the alarm log interface. You can see the alarm log here including location, zone, zone type and alarm time.

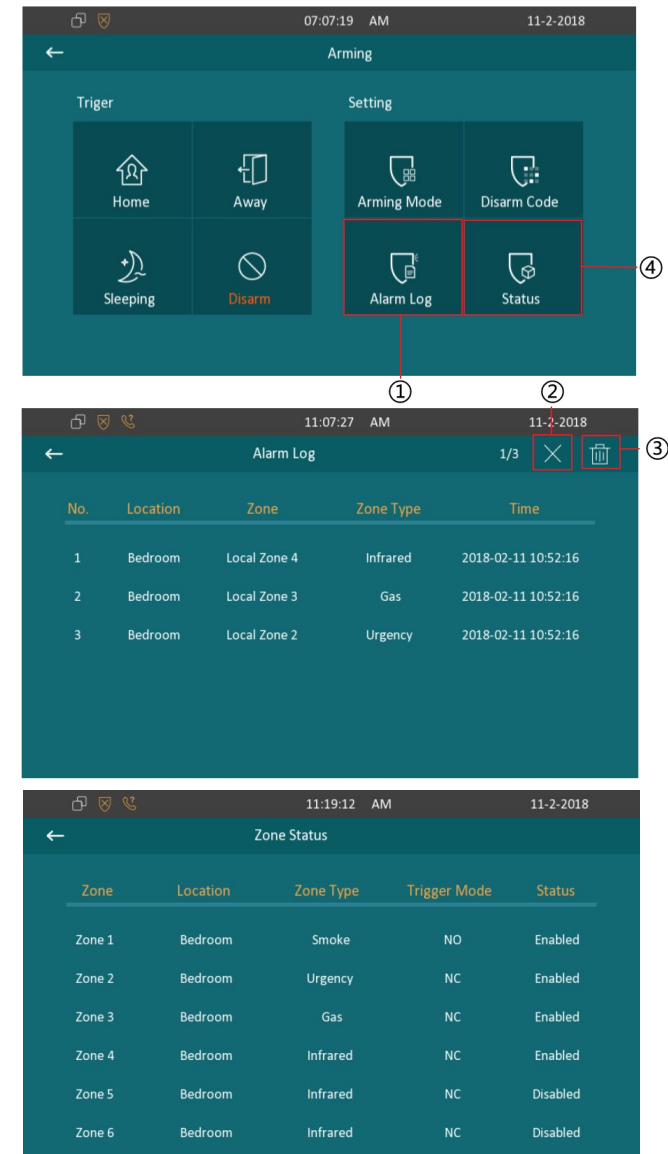
② Press this icon to delete the selected alarm log.

③ Press this icon to delete all alarm log.

2.7.4. Status

④ Press the icon to enter the zone status interface.

You can check the status of every zone, including location, zone type, trigger mode and status.



3. Settings

① Press the icon to enter the basic settings interface.

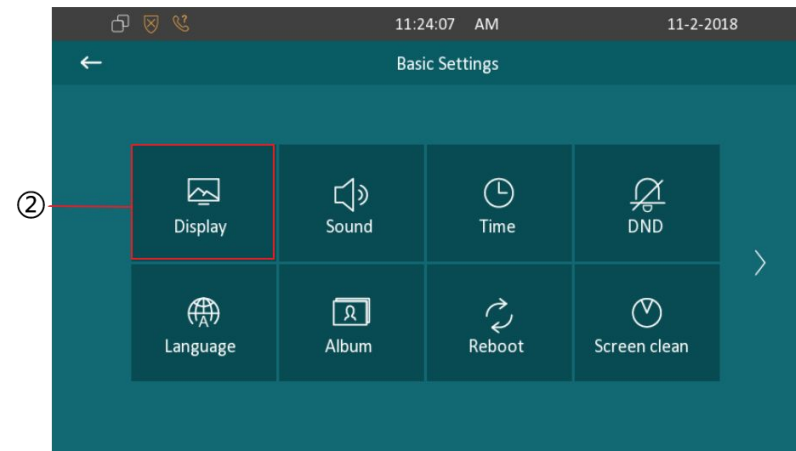
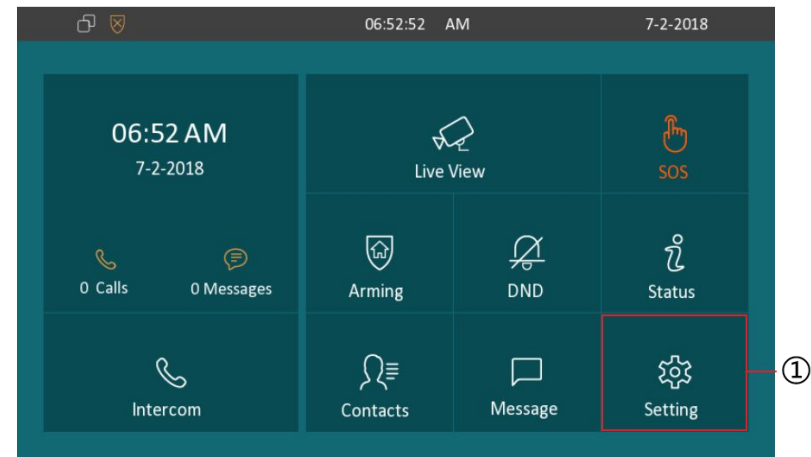
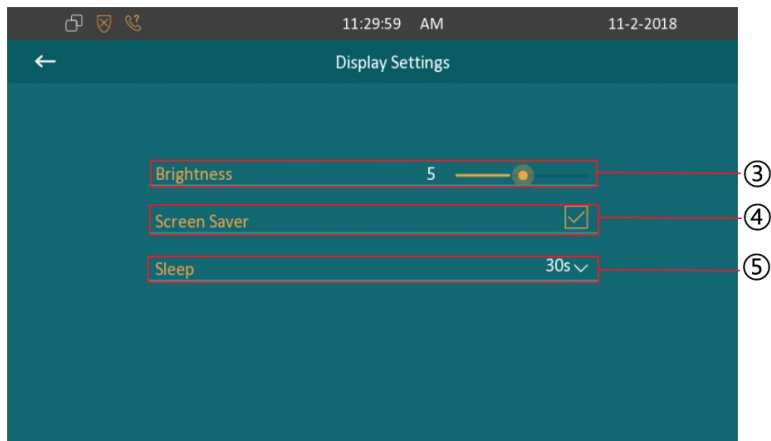
3.1. Display settings

② Press this icon to enter display settings interface.

③ To adjust the brightness here, it is 5 level as default. There are 10 levels totally, the bigger value means the lighter screen.

④ To select whether to enable the screen saver.

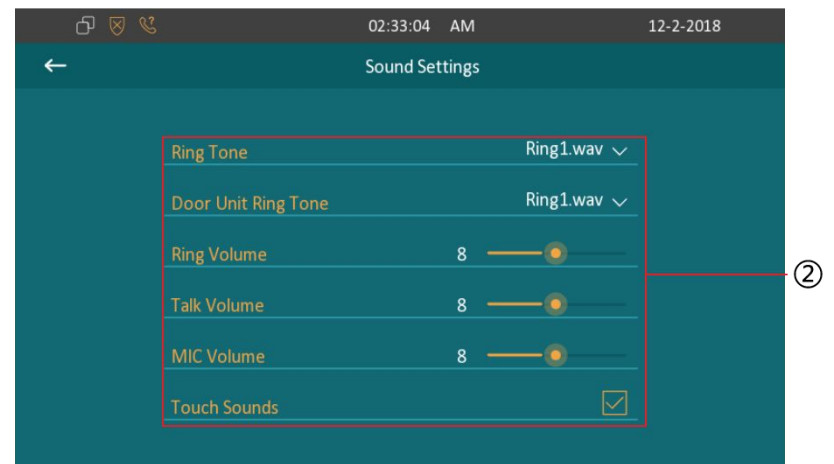
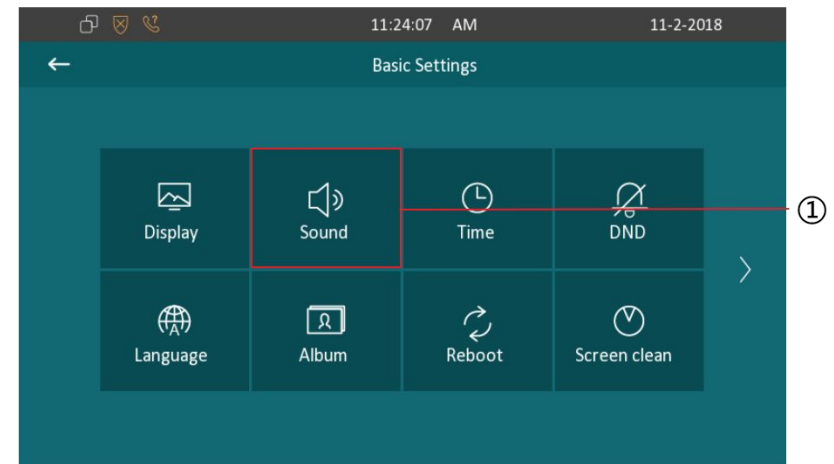
⑤ To configure the sleep mode delay, it is 30 seconds as default.



3.2. Sound settings

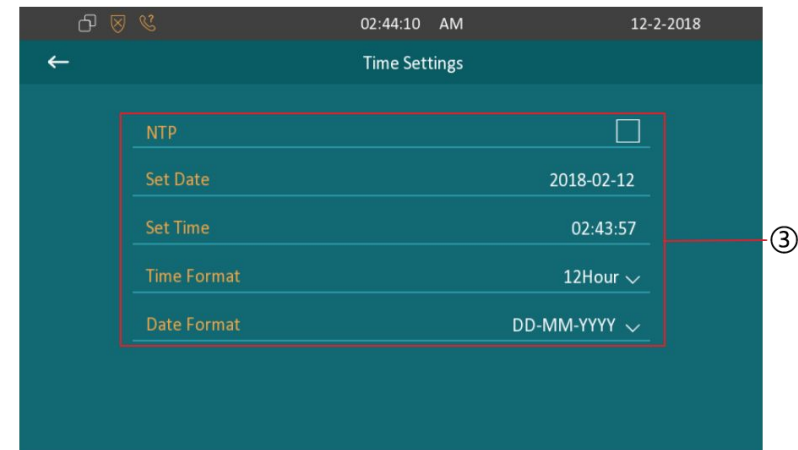
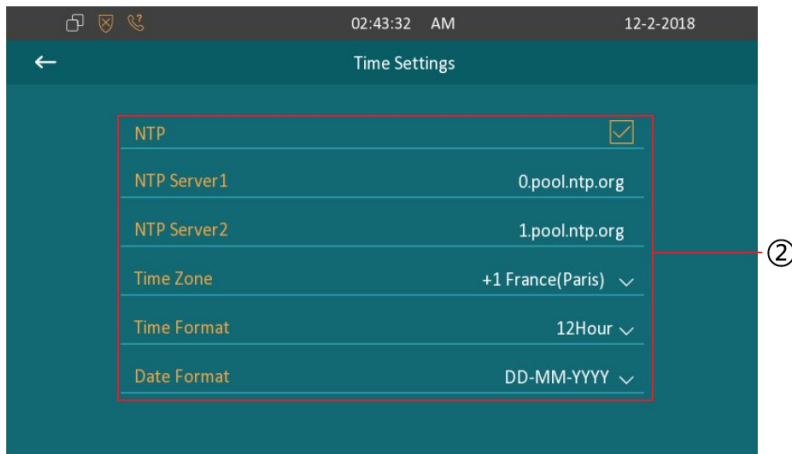
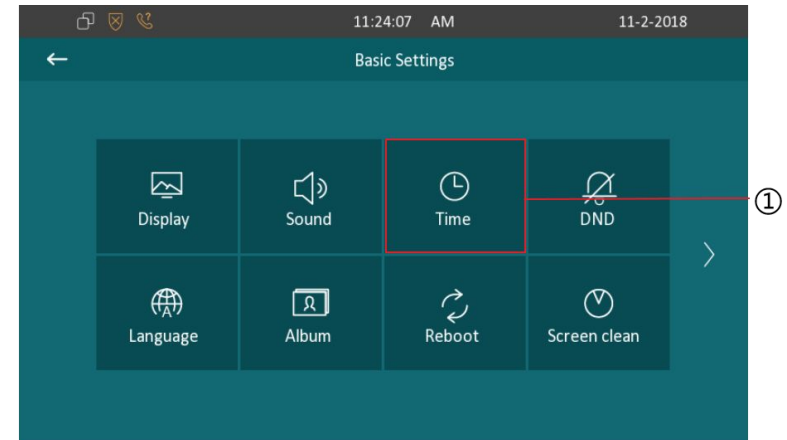
- ① Press this icon to enter the sound settings interface.
- ② You can set Ring Tones for incoming call, even to set a special Ring Tone for door unit, or set the Ring Volume, Talk Volume and MIC Volume.

You can also choose whether to enable the Touch Sounds here.



3.3. Time settings

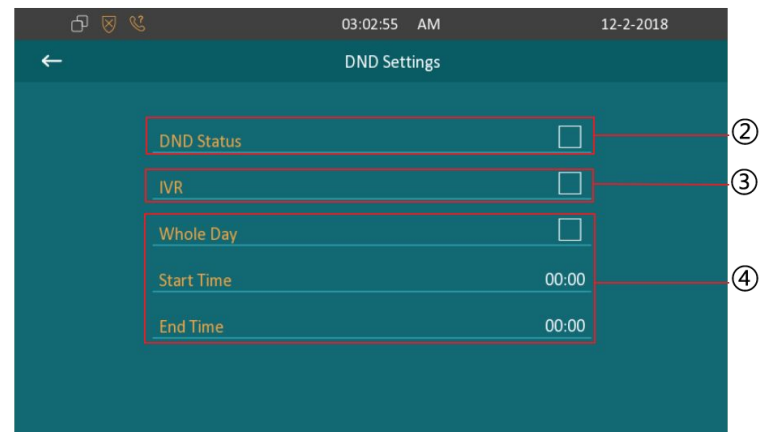
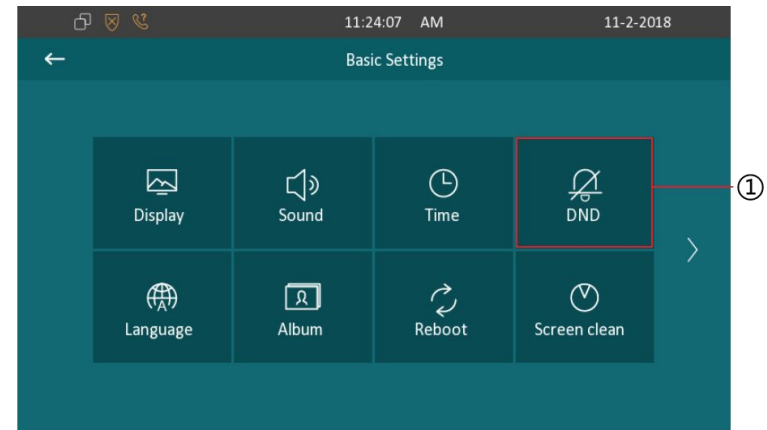
- ① By pressing this icon to enter the time settings interface.
- ② NTP(Network Time Protocol) is enabled as default. S31IP will get the Date and Time automatically. And users can also setup NTP server. Setup a suitable Time Zone, Time format and Date Format.
- ③ To set time manually by disabling the NTP, users can set exact time for the S31IP.



3.4. DND(Do Not Disturb) Settings

This function is used to prevent the phone from disturbing. Go to Setting-DND. if open DND, external phone call is unable to call in, turned off by default.

- ① By pressing this icon to enter the DND settings interface.
- ② Enable/Disable DND function.
- ③ Enable/Disable the IVR(Interactive Voice Response).
- ④ Select valid time of DND. Users can also setup the accurate Start and End time or enable the DND whole day.

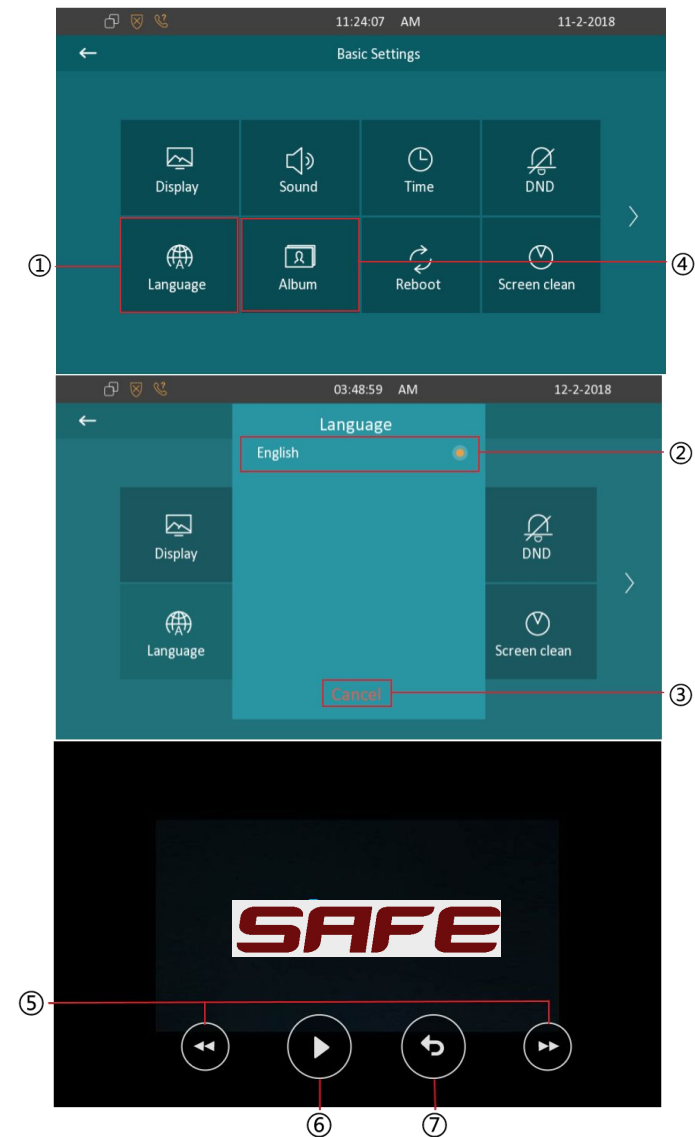


3.5. Language

- ① Press this icon to enter language setting interface.
- ② To select a suitable language. It only supports English on this firmware.
- ③ Press this icon to go back to settings interface.

3.6. Album

- ④ Press this icon to enter album interface.
- ⑤ Press these 2 icon to check previous/next picture.
- ⑥ Press this icon to play the photos.
- ⑦ Back to settings interface by pressing this icon.

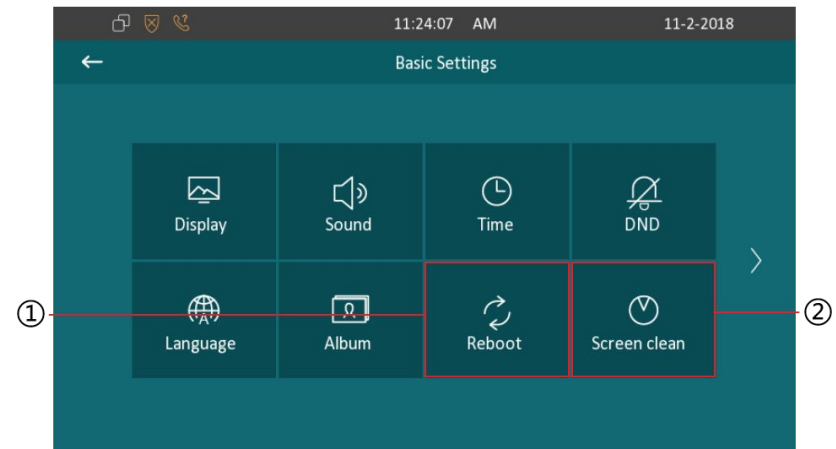


3.7. Reboot

① Press the icon to reboot S31IP, click Confirm when you see the prompt. The phone will reboot.

3.8. Screen clean

② Press the icon to clean the S31IP 's screen, it will keep you from misusing for 30 seconds.



4. Advance Settings

① Press the icon in settings interface to enter the advance settings interface.

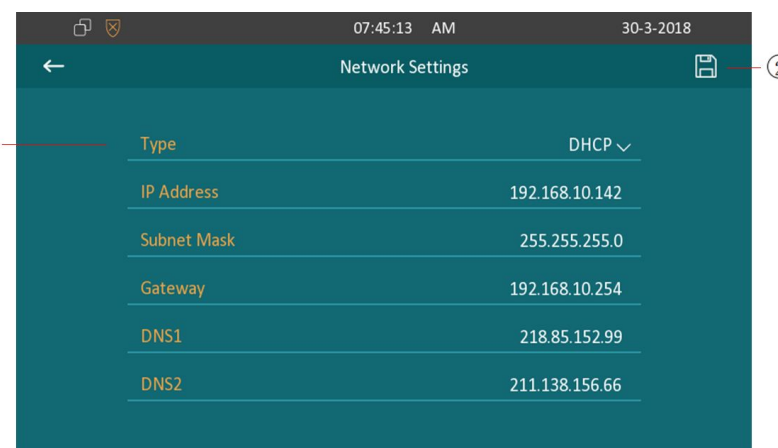
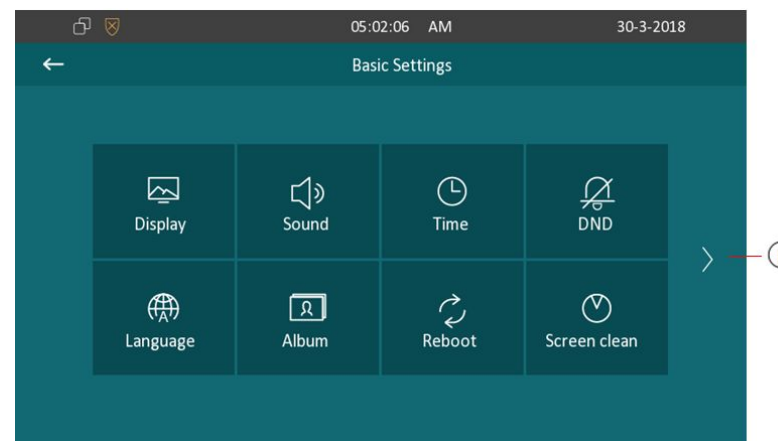
Enter the password and press OK. The password is 123456 as default.

4.1. Network Settings

Enter the advance settings interface, click Network icon to enter the network setting page. S31IP use DHCP mode to get IP address by default.

① To select Static IP or DHCP network of S31IP If selected Static IP Network. Enter the IP address parameters in the corresponding area: IP Address/Subnet Mask/Gateway/DNS1/DNS2.

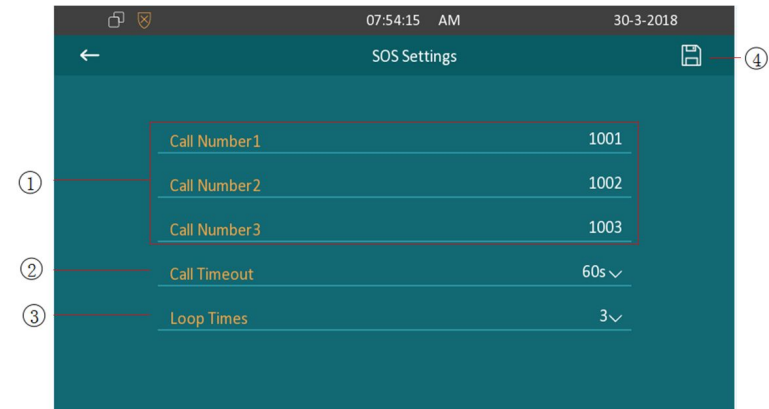
② click save icon to save the modified.



4.2. SOS Settings

Enter the advance settings interface, click SOS icon to enter the SOS setting page. S31IP can call out for up to three predefined numbers in a loop, each number will be called for 60 seconds (by default) when end user presses SOS icon.

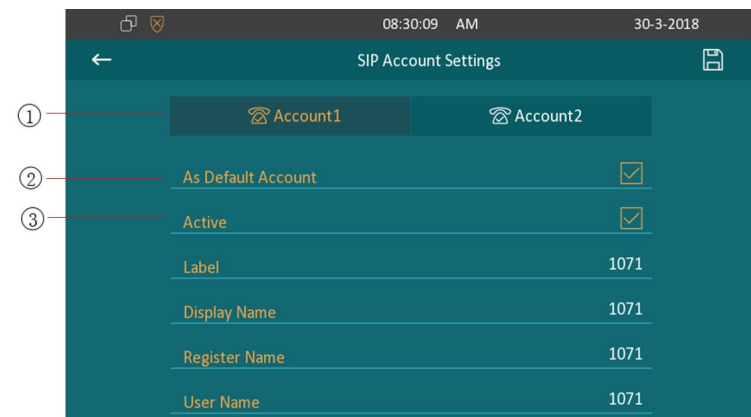
- ① Setup SOS call numbers. S31IP support up to 3 numbers.
- ② Setup the call timeout. It is 60 seconds as default.
- ③ Setup the loop times. it is 3 times as default.
- ④ Save icon to save the modified.



4.3. Account Settings

Enter the advance settings interface, click Sip Account icon to enter the account setting page. SIP account is provided by SIP server.

- ① S31IP support 2 accounts, press Account 1 or Account 2 icon to enter the corresponding account setting page.
- ② Click to enable the account as default account to call out numbers.



③ Click to enable this account.

④ Fill in the corresponding sip account parameters: Label/Display Name/Register Name/User name/Password/Sip Server/Sip Port. Slide down to check more account information.

⑤ Enable/disable the auto answer of this account. If enabled, when this account receives the incoming call, S31IP will answer the call automatically.

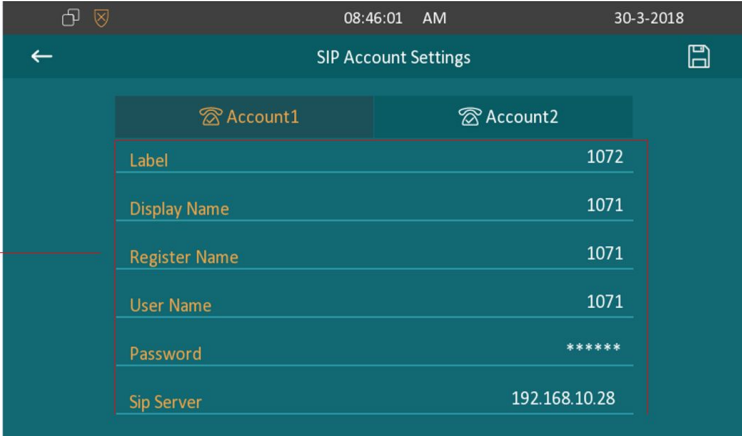
⑥ Enable/disable the no answer forward feature of this account. If enabled, the incoming calls of this account will be forwarded to the specified sip account when the ringtone is time out without answering.

⑦ Setup the specified sip account of the No Answer Forward feature.

⑧ Setup the ring tone timeout of the No answer Forward feature.

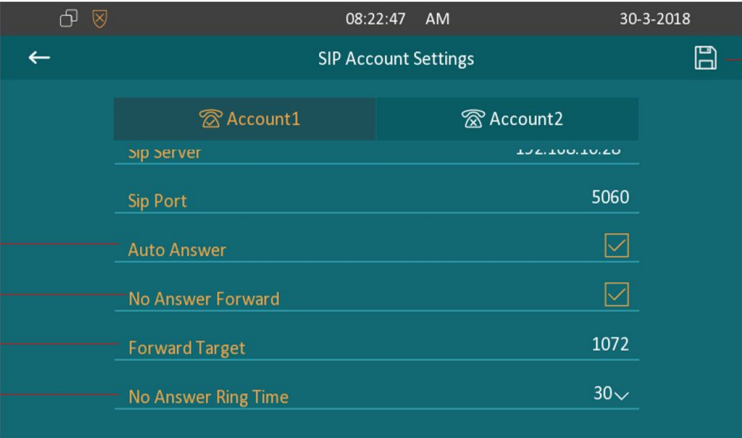
⑨ click save icon to save the modification.

Notes: The sip account parameters are provided by sip server



This screenshot shows the 'SIP Account Settings' screen for 'Account1'. The interface has a dark teal header with a back arrow, status bar (08:46:01 AM, 30-3-2018), and a save icon. Below the header are two tabs: 'Account1' (selected) and 'Account2'. A list of settings for Account1 is shown, with a red box highlighting the first six items: Label (1072), Display Name (1071), Register Name (1071), User Name (1071), Password (*****), and Sip Server (192.168.10.28). A red circle with the number 4 points to the 'Register Name' field.

Account1	Account2
Label	1072
Display Name	1071
Register Name	1071
User Name	1071
Password	*****
Sip Server	192.168.10.28



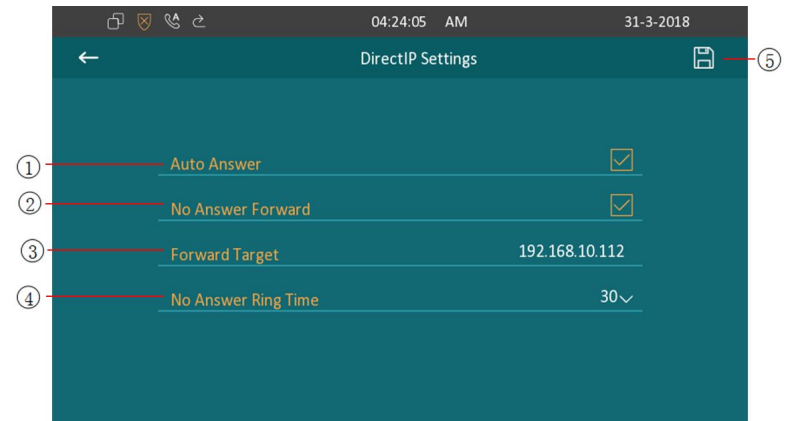
This screenshot shows the 'SIP Account Settings' screen for 'Account1' with more settings visible. The red box from the previous screenshot is extended to include 'Sip Port' (5060). Below it are 'Auto Answer' (checked), 'No Answer Forward' (checked), 'Forward Target' (1072), and 'No Answer Ring Time' (30). A red circle with the number 9 points to the save icon in the top right corner. Red circles with numbers 5, 6, 7, and 8 point to the 'Auto Answer', 'No Answer Forward', 'Forward Target', and 'No Answer Ring Time' fields respectively.

Account1	Account2
Sip Server	192.168.10.28
Sip Port	5060
Auto Answer	☒
No Answer Forward	☒
Forward Target	1072
No Answer Ring Time	30

4.4. Direct IP

Enter the advance settings interface, click Direct IP icon to enter the direct IP call setting page.

- ① Enable/disable the auto answer feature of the Direct IP calls. If enabled, when there is a direct IP incoming call, S31IP will answer the call automatically.
- ② Enable/disable the no answer forward feature. If enabled, the direct ip incoming calls will be forwarded to the specified ip address when the ringtone is time out without answering.
- ③ Setup the specified IP address of the No Answer Forward feature.
- ④ Setup the ring tone timeout of the No answer Forward feature
- ⑤ Save icon to save the modification.



4.5. Zone settings

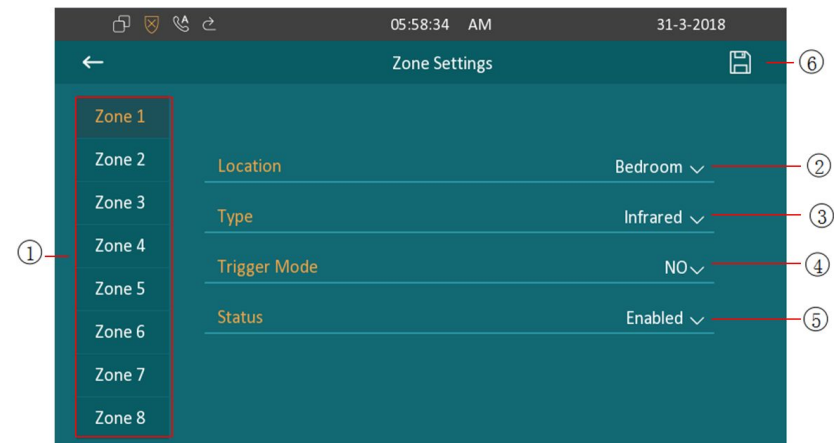
Enter the advance settings interface, click Zone Settings icon to enter the alarm setting page.

- ① To choose a zone to set corresponding parameters. S31IP support up to 8 zones, you can connect up to 8 alarm sensors to S31IP
- ② Setup location of the alarm sensor, including Gate, Door, Bedroom, Guest room, Hall, Window, Balcony, Kitchen, Study and Bathroom.
- ③ Setup the type of the alarm sensor, including Infrared, Drmagnet, Smoke, Gas, Urgency.
- ④ Setup the trigger mode of the alarm sensor, including NC(Normal Close) and NO(Normal Open).
- ⑤ Setup the status of alarm feature, including disabled, enabled and 24H.

Disabled: disable the S31IP alarm feature.

Enabled: when the arming mode enabled and the alarm sensor device is triggered, S31IP will be alarm, the alerting can be off by inputting the password on the S31IP screen. The status will matter the arming mode.

24H: when the alarm sensor device is triggered, S31IP will be alarmed, the alerting can not be off by inputting the password on the S31IP



screen, until the alarm sensor device can not detect the triggered source.

⑥ Save icon to save the modification.

4.6. Password setting

Enter the advance settings interface, click Password Setting icon to enter the password setting of Setting-Advanced page.

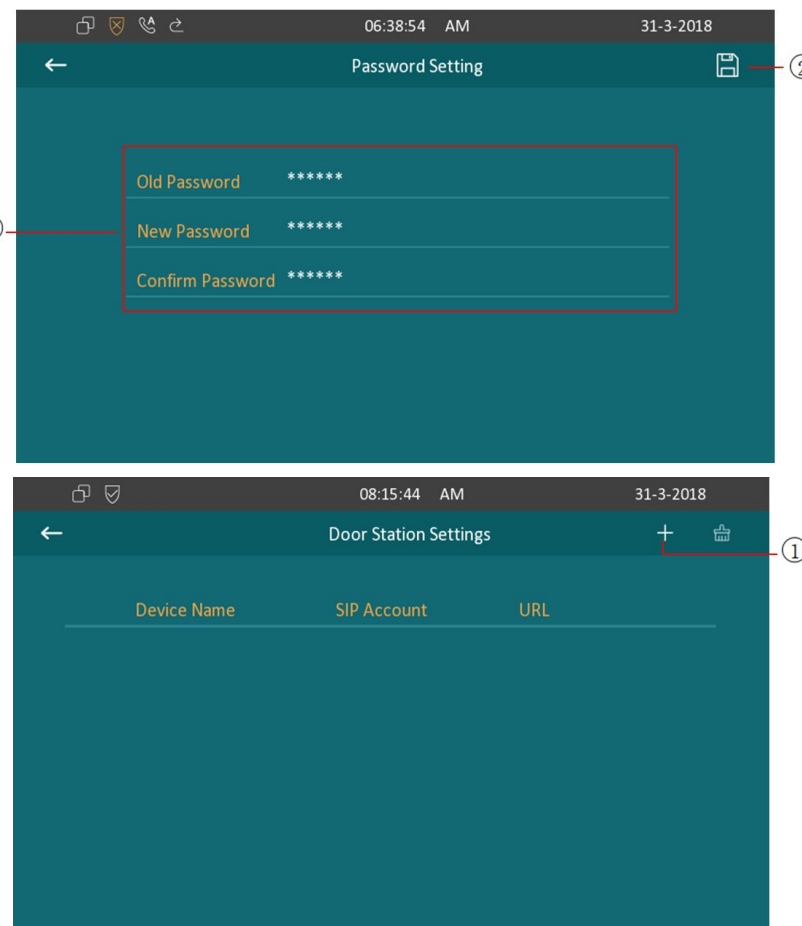
① Click the Old Password to input the password of entering advance settings interface. It is 123456 as default. Click the New Password and Confirm Password to input the new password

② Click save icon to save the modification.

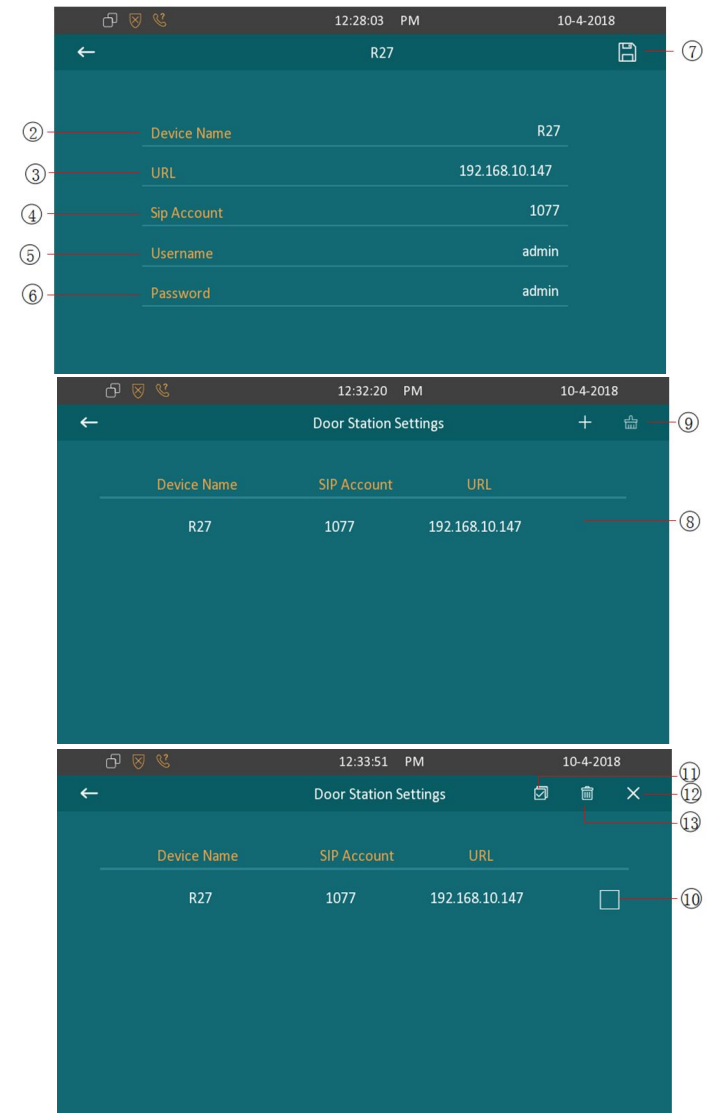
4.7. Door station

Enter the advance settings interface, click Door Station icon to enter the door station settings.

① Click to enter the adding door station interface.

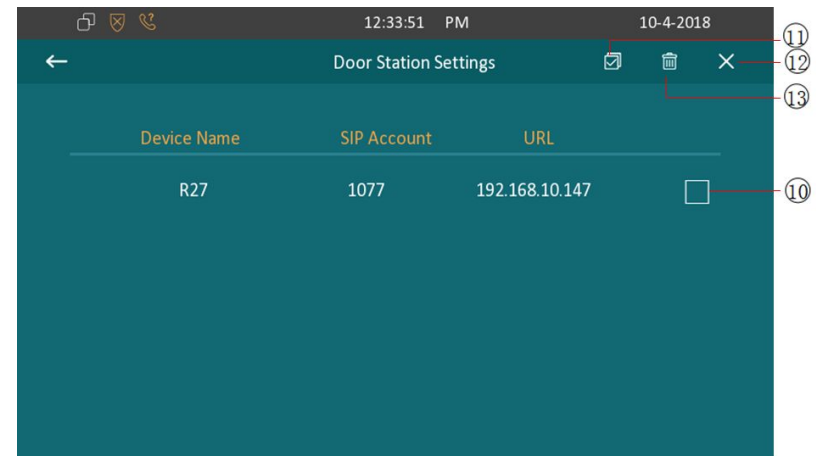


- ② Click the Device Name to set the Akuvox door phone name.
- ③ Click the URL to set the video url of Akuvox door phone, input the door phone ip address here.
- ④ Click the Sip Account to set the sip extension of the Akuvox door phone.
- ⑤ Click the Username to set the authentication of the Akuvox door phone for monitor.
- ⑥ Click the Password to set the authentication of the Akuvox door phone for monitor. To monitor door phone camera, needs to type in correct user name and password.
- ⑦ Click save icon to save the modification.
- ⑧ Click the existed door station can modify this door station information.
- ⑨ Click the icon to enter deletion interface.
- ⑩ Click the icon to choose the door station.
- ⑪ Click the icon to choose all existed door stations.
- ⑫ Click the icon to cancel or back to the previous level.
- ⑬ Click the icon to delete the selected door station.



4.8. Reset

Enter the advance settings interface, click Reset icon to reset S31IP to factory. And press confirm when you see the prompt. It will reset to factory automatically.

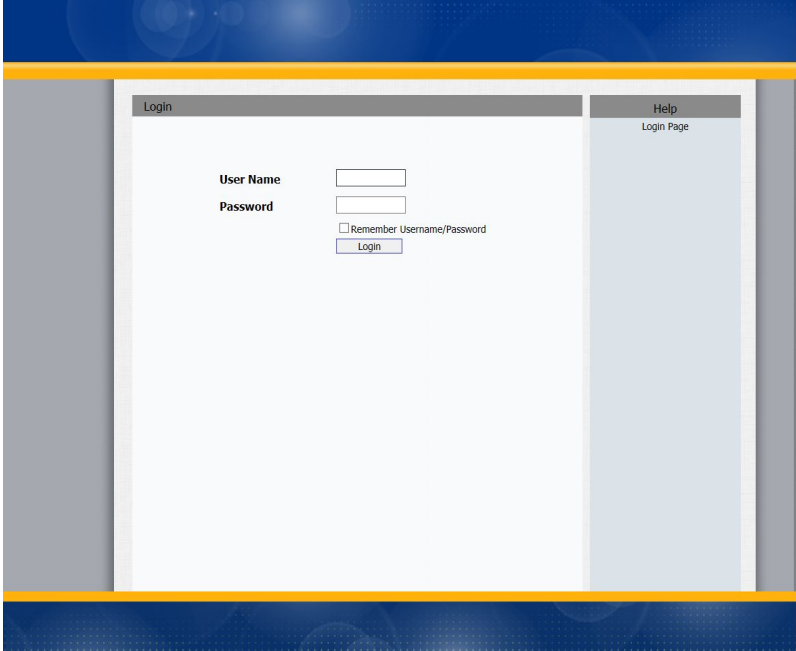


5. Website

Web user interface (we will use Web UI for short in the following context) which is used for user or administrator to check or change S31IP settings.

Click Status icon on desktop to check the Phone's IP address.

Type the IP address on browser, input default User Name and Password: admin/admin to login the web interface.



The screenshot displays the login page of the S31IP web interface. The page has a blue header and a grey sidebar. The main content area is white and contains the following elements:

- Login** tab: Located at the top left of the main content area.
- Help** tab: Located at the top right of the main content area, with the text "Login Page" below it.
- User Name** label: Positioned to the left of a text input field.
- Password** label: Positioned to the left of a text input field.
- ☐ Remember Username/Password: A checkbox located below the password field.
- Login** button: A button located below the password field.

5.1. Status-Basic

5.1.1. Product Information

To display the device's information such as Model name, MAC address (IP device's physical address), Firmware version and Hardware firmware.

5.1.2. Network Information

To display the device's Networking status(LAN Port),such as Port Type(which could be DHCP/Static/PPPoE), Link Status, IP Address, Subnet Mask, Gateway, Primary DNS server, Secondary DNS server, Primary NTP server and Secondary NTP server(NTP server is used to synchronize time from INTERNET automatically).

Status	
Product Information	
Model	C313
MAC Address	0CAD31568412
Firmware Version	113.1.4.9
Hardware Version	113.0.0.0.0.0.0.0
Network Information	
Network Type	LAN
LAN Port Type	DHCP Auto
LAN Link Status	Connected
LAN IP Address	192.168.10.159
LAN Subnet Mask	255.255.255.0
LAN Gateway	192.168.10.254
LAN DNS1	218.85.152.99
LAN DNS2	211.138.156.66
Primary NTP	0.pool.ntp.org
Secondary NTP	1.pool.ntp.org
Account Information	
Account1	None@None Disabled
Account2	None@None Disabled

5.1.3.Account Information

To display device's Account information and Registration status (account username, registered server's address, Register result).

5.2. Account-Basic

5.2.1.SIP Account

To display and configure the specific Account settings.

Status: to display the register result.

Display Label: Which is displayed on the phone's LCD screen.

Display Name: Which is sent to the other call party for displaying.

Register Name: Allocated by SIP server provider, type in the extension number you want to register.

User Name: Allocated by your SIP server provide, used for authentication.

The screenshot displays the 'Account-Basic' configuration interface. It is divided into two main sections: 'SIP Account' and 'SIP Server 1'. The 'SIP Account' section includes fields for Status (Registered), Account (Account 1), Account Active (Enabled), Display Label (1072), Display Name (1072), Register Name (1072), User Name (1072), and Password (masked with dots). The 'SIP Server 1' section includes fields for Server IP (192.168.10.28) and Port (5060).

Account-Basic	
SIP Account	
Status	Registered
Account	Account 1
Account Active	Enabled
Display Label	1072
Display Name	1072
Register Name	1072
User Name	1072
Password	*****
SIP Server 1	
Server IP	192.168.10.28
Port	5060

Password: Used for authorization

5.2.2. SIP Sever 1

To display and configure Primary SIP server settings.

Server IP: SIP server address, it could be an URL or IP address.

5.3. Account-Advanced

5.3.1.5.3.1 SIP Account

Account: S31IP support dual SIP account, you can choose which one to be configured here.

5.3.2. Call

Auto Answer: Enable this feature, S31IP will pick up the incoming calls automatically, disabled by default.

Account-Advanced	
SIP Account	
Account	Account 1 ▾
Call	
Auto Answer	Disabled ▾

5.3.3. Audio Codecs

To display and configure available/unavailable codecs list. Codec means coder-decoder which is used to transfer analog signal to digital signal or vice versa. Familiar codecs are PCMU(G711U), PCMA(G711A), G722(wide-bandth codecs), G729 and so on.

5.3.4. Video Codecs

S31IP support H264 video codec.

5.3.5. Encryption

Voice Encryption(SRTP): If enabled, all audio signal (technically speaking it' s RTP streams) will be encrypted for more security.

5.3.6. NAT

RPort: Remote Port, if enabled, it will add Remote Port in to outgoing

The screenshot shows two configuration panels. The top panel, titled 'Audio Codecs', contains two lists: 'Disabled Codecs' (empty) and 'Enabled Codecs' (containing PCMU, PCMA, G729, and G722). Between the lists are '>>' and '<<' buttons. To the right of the 'Enabled Codecs' list are up and down arrow buttons. The bottom panel, titled 'Video Codecs', contains two lists: 'Disabled Codecs' (empty) and 'Enabled Codecs' (containing H264). Similar '>>', '<<', and arrow buttons are present.

The screenshot shows two configuration panels. The top panel, titled 'Encryption', has a label 'Voice Encryption(SRTP)' followed by a dropdown menu set to 'Disabled'. The bottom panel, titled 'NAT', has a label 'RPort' followed by a dropdown menu set to 'Disabled'.

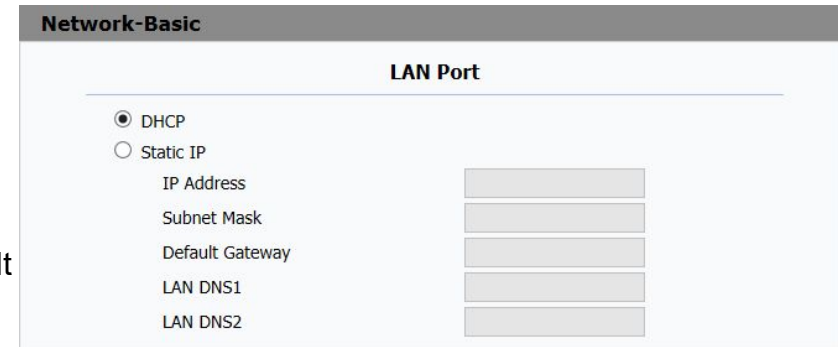
SIP message for designated account.

5.4. Network-Basic

To display and configure LAN Port settings.

DHCP: If selected, IP phone will get IP address, Subnet Mask, Default Gateway and DNS server address from DHCP server automatically.

Static IP: If selected, you have to set IP address, Subnet Mask, Default Gateway and DNS server manually.



The screenshot shows a web interface for configuring network settings. At the top, there is a dark grey header with the text "Network-Basic". Below this, the main content area is titled "LAN Port". Under the "LAN Port" title, there are two radio buttons: "DHCP" (which is selected) and "Static IP". To the right of these radio buttons, there are five input fields corresponding to the following labels: "IP Address", "Subnet Mask", "Default Gateway", "LAN DNS1", and "LAN DNS2".

5.5. Phone-Time/Lang

To display and configure Time/Language.

5.5.1. Web Language

To choose the web language.(Only English supported now)

5.5.2. LCD Language

To choose the device language.(Only English supported now)

5.5.3. Format Setting

Time Format: Determine what format to display on Phone UI(12 hour/24 hour).

Date Format: Determine what format to display on Phone UI for Date.

5.5.4. Type

To select how to configure time, it could be set by manually or get from Internet automatically via NTP server.

Manual: To set Time and Date manually.

Auto: To get Time via NTP server.

Time/Lang	
Web Language	
Type	English
LCD Language	
Type	English
Format Setting	
Time Format	12Hour
Date Format	DD-MM-YYYY
Type	
☐ Manual	
Date	Year Mon Day
Time	Hour Min Sec
☒ Auto	

5.5.5. NTP

To configure NTP server related settings.

Time Zone: To select local Time Zone for NTP server.

Primary Server: To configure primary NTP server address.

Secondary Server: This is for redundancy, if getting time from Primary NTP server fails, the S31IP will go to Secondary NTP server for getting time.

Update Interval: Set the period of synchronization with the server.

NTP	
Time Zone	+1 France(Paris) ▾
Primary Server	0.pool.ntp.org
Secondary Server	1.pool.ntp.org
Update Interval	3600 (>= 3600s)

Daylight Saving Time	
Active	Auto ▾
OffSet	60 (-300~300Minutes)
☒ By Date	
Start Time	1 Mon 1 Day 0 Hour
End Time	12 Mon 31 Day 23 Hour
☐ By Week	
Start Month	Jan ▾
Start Week Of Month	First In Month ▾
Start Day Of Week	Monday ▾
Start Hour	0 (0~23)
End Month	Dec ▾
End Week Of Month	Fourth In Month ▾
End Day Of Week	Sunday ▾
End Hour	23 (0~23)

5.5.6. Daylight Saving Time

Time as adjusted to achieve longer evening daylight, especially in summer.

Active: To enable/disable the daylight saving time. You can also configure to make S31IP 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.

5.6. Phone-Call Feature

5.6.1. Forward Transfer

To display and configure Forward setting.

Always Forward: Any incoming call will be forwarded in any situation.

Busy Forward: Any incoming call will be forwarded if S31IP phone is busy.

No answer Forward: Any incoming call will be forwarded if it's no answer after a specific time.

Phone-Call Feature	
Forward Transfer	
Account	Account 1
No Answer Forward	Disabled
No Answer Ring Time	30
Target Number	
DND	
DND	Disabled
Schedule	Whole Day
DND Start Time	0:00
DND End Time	0:00

5.6.2. DND(Do Not Disturb)

DND allows IP phones to ignore any incoming calls.

DND: Enable or disable this function.

Schedule: For setting the DND function valid time, choose whole day or time period from the dropdown.

DND Start Time: Setup start time for time period.

DND End Time: Setup end time for time period.

5.6.3. Open Lobby

DTMF: To set the DTMF code which be sent when you press the open door icon during call on S31IP screen.

Open Lobby	
DTMF	#

Open Local Door	
DTMF	#

5.6.4. Open Local Door

DTMF: To set the DTMF code which can trigger the local relay.

5.7. Phone-Key/Display

5.7.1. Display

Backlight Intensity: Adjust the screen backlight Intensity. From 1-10.

Backlight Time: Adjust Backlight time. After the configured time, the phone will enter standby mode. Click again to wake up.

Key/Display	
Display	
Backlight Intensity	5
Backlight Time	30s

5.8. Phone-Ringtones

5.8.1. All Ringtones

Upload: Upload the customized ringtone you need, click submit to save.

Ringtones: To setup a general ringtone from the system.

Door Unit Ring Tone: select the specific ringtone for door phone.

Ringtones	
All Ringtones	
Upload(Max Total Size: 100K)	浏览...
	Submit Cancel
Ringtones	Ring1.wav
	Delete
Door Unit Ring Tones	Ring1.wav

5.9. Phone-Intercom

5.9.1.SOS

SOS function is used to call out the emergency numbers in loop time when someone needs help.

Call Number: setup 3 SOS numbers. Once users press SOS key, the phone will call out the number in order.

Call Timeout: Setup the timeout for each number. Once you call out, if the other side will not answer within the timeout, the phone will continue to call the next number

Loop Times: To setup the call loop time.

Intercom	
SOS	
Call Number01	1001
Call Number02	1002
Call Number03	1003
Call Timeout	60s
Loop Times	3

5.10. Phone-Monitor

5.10.1. DoorPhone

To set a special group for Safe IP door phone.

Account: Number of Safe IP doorphone.

Device Name: To set a name for Safe IP doorphone.

Destination URL: To set the ip address of Safe IP doorphone.

User Name: For monitor authentication.

Password: For monitor authentication. To monitor doorphone camera, needs to type in correct user name and password.

The screenshot shows a web-based configuration interface for a 'Monitor' system, specifically for 'Door Phone' settings. It features a table with 10 rows for configuring individual door phones. The first row is populated with the following data: Index 1, Sip Account 1077, Name R27, URL 192.168.10.147, and User Name admin. Each row has a checkbox in the final column. Below the table are two buttons: 'Delete' and 'Delete All'. At the bottom, there is a form for adding a new entry with labels for 'Sip Account', 'Device Name', 'Destination URL', 'User Name', and 'Password'. The 'User Name' field is pre-filled with 'admin' and the 'Password' field contains six dots. 'Add', 'Edit', and 'Cancel' buttons are located at the bottom right of the form.

Index	Sip Account	Name	URL	User Name	
1	1077	R27	192.168.10.147	admin	☐
2					☐
3					☐
4					☐
5					☐
6					☐
7					☐
8					☐
9					☐
10					☐

Sip Account
Device Name
Destination URL
User Name
Password

5.10.2. Web Camera

Device Name: To set the device name for web camera.

Destination URL: To set the URL of web camera. Please connect with IPC vendor for URL format.

After setup, click Add to add the camera information. Then you can check or edit the web camera from the list. Click Submit to save.

Web Camera

Index	Device Name	Destination URL	
1	R27	rtsp://192.168.10.136/live/ch00_0	☐
2			☐
3			☐
4			☐
5			☐
6			☐
7			☐
8			☐
9			☐
10			☐

Page 1 ▾PrevNextDeleteDelete All

Device Name
Destination URL

AddEditCancel

5.11.Phone-Addressbook

5.11.1. Contact

Select a group to manage corresponding contacts.

5.11.2. Search

To search a special contact.

5.11.3. Contact Setting

To add a new contact.

Name: To set a name for the new contact.

Number1: To set the number for the new contact, this number must be room number, when connected to SDMC, you will assign a room number.

Number2: To set the number for the new contact, this number can be SIP number or IP number.

The screenshot displays the 'AddressBook' web interface. At the top, there's a 'Contact' dropdown menu set to 'All Contacts'. Below it is a 'Search' section with a text input field and 'Search' and 'Reset' buttons. The main part of the interface is a table listing contacts. The table has columns: Index, Name, Number 1, Number 2, Group, Ring, Line, and a checkbox. The first two rows are populated: Index 1 with Name 'ff', Number 1 'fff', Number 2 '12', Group 'Default', Ring 'Auto', Line 'Auto'; and Index 2 with Name 'www', Number 1 '12', Number 2 '12', Group 'Default', Ring 'Auto', Line 'Auto'. Below the table is a pagination bar with 'Page 1', 'Prev', 'Next', 'Delete', and 'Delete All' buttons. At the bottom is the 'Contact Setting' form, which includes input fields for 'Name', 'Number 1' (with a tooltip 'Must be room number'), and 'Number 2' (with a tooltip 'Sip or IP number'). It also has dropdown menus for 'Group' (set to 'Default'), 'Ring' (set to 'Auto'), and 'Line' (set to 'Auto'). 'Add', 'Edit', and 'Cancel' buttons are at the bottom of the form.

Index	Name	Number 1	Number 2	Group	Ring	Line	
1	ff	fff	12	Default	Auto	Auto	☐
2	www	12	12	Default	Auto	Auto	☐
3							☐
4							☐
5							☐
6							☐
7							☐
8							☐
9							☐
10							☐

Page 1 ▾ Prev Next Delete Delete All

Contact Setting

Name

Number 1 Must be room number

Number 2 Sip or IP number

Group ▾ Default

Ring ▾ Auto

Line ▾ Auto

Add Edit Cancel

Group: You can set a group for the new contact.

Ring: To select a special ring tone for the new contact.

Account: To select which account to dial out to the new contact.

5.11.4. Group

To manage the group.

5.11.5. Group Setting

To add a new group or modify existing group.

Name: To set a name for the group.

Ring: To set special ring tone for the group members.

Description: To set description for the group.

5.11.6. Import/Export

A easy way to manage mass of contacts.

To import/export contacts with a XML file or CSV file.

The screenshot displays a user interface for managing contact groups. It is divided into three main sections:

- Group Table:** A table with columns: Index, Name, Ring, Description, and a checkbox. It contains five rows. The first row is populated with 'test1', 'Auto', and 'test'. Below the table are 'Delete' and 'Delete All' buttons.
- Group Setting Form:** A form with input fields for 'Name', 'Ring' (a dropdown menu currently showing 'Auto'), and 'Description'. Below these fields are 'Add', 'Edit', and 'Cancel' buttons.
- Import/Export Section:** A section titled 'Import/Export' containing a 'Contact' label, a 'Choose File' button, and the text 'No file chosen'. Below this are two rows of buttons: 'Import', 'Export', and 'Cancel' for both '.XML' and '.CSV' file formats.

5.12. Upgrade-Basic

5.12.1. Upgrade-Basic

Firmware Version: To display the current firmware version.

Hardware Version: To display the current hardware version.

Upgrade: To select upgrading rom file from your PC manually, then click the submit to begin update.

Notes: Please make sure it is right file format for right model.

Reset To Factory setting: To enable you to reset IP phone's setting to factory settings.

Reboot: To reboot IP phone remotely from Web UI.

Upgrade-Basic	
Firmware Version	113.1.4.9
Hardware Version	113.0.0.0.0.0.0.0
Upgrade	Choose File No file chosen Submit Cancel
Reset To Factory Setting	Submit
Reboot	Submit

5.13. Upgrade-Advanced

5.13.1. PNP Option

To display and configure PNP setting for Auto Provisioning.

PNP: Plug and Play, once PNP is enabled, the phone will send SIP subscription message to PNP server automatically to get Auto Provisioning server's address.

By default, this SIP message is sent to multicast address 224.0.1.75(PNP server address by standard).

5.13.2. Manual Autop

To display and configure manual update server's settings.

URL: Auto provisioning server address.

User Name: Configure if server needs an username to access, otherwise left blank.

Password: Configure if server needs a password to access, otherwise

The screenshot shows a web interface titled "Upgrade-Advanced". It contains two main sections: "PNP Option" and "Manual Autop".

PNP Option: This section has a label "PNP Config" and a dropdown menu currently set to "Enabled".

Manual Autop: This section contains five input fields: "URL", "User Name", "Password", "Common AES Key", and "AES Key(MAC)". The "Password", "Common AES Key", and "AES Key(MAC)" fields are masked with dots. Below these fields is a button labeled "AutoP Immediately".

left blank.

Common AES Key: Used for IP phone to decipher common Auto Provisioning configuration file.

AES Key (MAC): Used for IP phone to decipher MAC-oriented auto provisioning configuration file(for example, file name could be 0c1105888888.cfg if IP phone's MAC address is 0c1105888888).

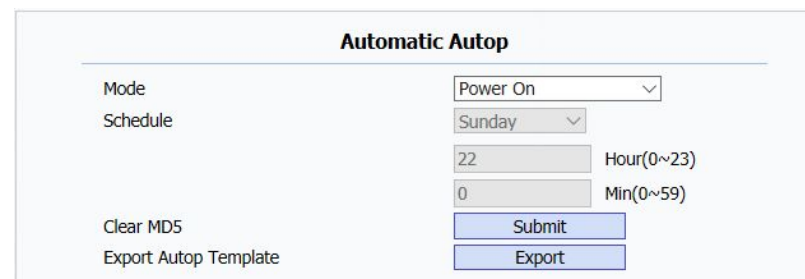
Notes: AES is one of many encryption, it should be configured only when configure file is ciphered with AES, otherwise left blank.

5.13.3. Automatic AutoP

To display and configure Auto Provisioning mode settings.

This Auto Provisioning mode is actually self-explanatory.

For example, mode “Power on” means IP phone will go to do Provisioning every time it powers on.



The image shows a web-based configuration interface titled "Automatic AutoP". It contains several settings: "Mode" is a dropdown menu set to "Power On"; "Schedule" is a dropdown menu set to "Sunday"; there are two input fields for time, one set to "22" labeled "Hour(0~23)" and another set to "0" labeled "Min(0~59)"; and there are two buttons at the bottom, "Submit" and "Export". On the left side of the form, there are two links: "Clear MD5" and "Export Autop Template".

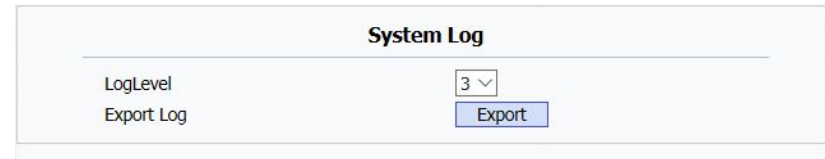
5.13.4. System Log

To display system log level and export system log file.

System log level: From level 0~7.The higher level means the more

specific system log is saved to a temporary file. By default, it's level 3.

Export Log: Click to export temporary system log file to local PC.



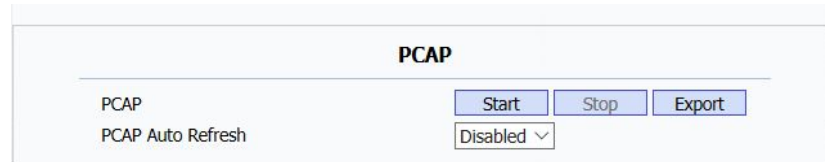
The 'System Log' interface features a title bar 'System Log'. Below it, there is a 'LogLevel' section with a dropdown menu showing '3'. To the right of the dropdown is an 'Export' button.

5.13.5. PCAP

To start, stop packets capturing or to export captured Packet file.

Start: To start capturing all the packets file sent or received from IP phone.

Stop: To stop capturing packets.



The 'PCAP' interface has a title bar 'PCAP'. It contains two rows of controls. The first row has 'PCAP' text and three buttons: 'Start', 'Stop', and 'Export'. The second row has 'PCAP Auto Refresh' text and a dropdown menu set to 'Disabled'.

Notes: IP phone will save captured packets file to a temporary file, this file maximum size is 1M(mega bytes), and will stop capturing once reaching this maximum size.

5.13.6. Capture Log

To export the capture log from S31IP

URL: input the address to export the capture log.

User Name/Password: the authentication of the server



The 'Capture Log' interface has a title bar 'Capture Log'. It contains four rows of controls. The first row has 'Export Capture Log' text and an 'Export' button. The second row has 'URL' text and an empty text input field. The third row has 'User Name' text and a text input field containing 'admin'. The fourth row has 'Password' text and a password input field with six dots.

5.13.7. Screenshots

To capture the screenshots and export from S31IP.

5.13.8. Others

To export current config file or import new config file.



5.14.Arming-Zone Setting

Users can connect S31IP to some sensors like infrared sensor, gas sensor, smoke sensor and so on.

S31IP support up to 8 alarm zone, you can manage these zone here.

And then you can design 3 different modes for the arming zone under the path “Arming-Arming mode”.

5.14.1. Zone Setting

Location: To set the location for the zone, it can be Bedroom, Guest

room, Hall, Window, Balcony, Kitchen, Study and Bathroom.

Zone Type: To set the sensor type for corresponding zone, it can be Infrared, Dmagnet, Smoke, Gas, Urgency.

Trigger Mode: To set the trigger mode for corresponding zone, it can be NC(Normal Close) and NO(Normal Open).

Status: To set the sensor status type for corresponding zone including disable, enable and 24H.

The status will matter the arming mode. Disable status means it cannot be triggered, 24H status means it cannot be disabled. Enable status means it depends on arming mode.

Zone Setting				
Zone Setting				
Zone	Location	Zone Type	Trigger Mode	Status
Zone1	Bedroom	Infrared	NC	Disabled
Zone2	Bedroom	Infrared	NC	Disabled
Zone3	Bedroom	Infrared	NC	Disabled
Zone4	Bedroom	Infrared	NC	Disabled
Zone5	Bedroom	Infrared	NC	Disabled
Zone6	Bedroom	Infrared	NC	Disabled
Zone7	Bedroom	Infrared	NC	Disabled
Zone8	Bedroom	Infrared	NC	Disabled

5.15.Arming-Arming Mode

5.15.1. Arming Mode

To choose arming mode for S31IP different arming modes meet different requirements. It can be Indoor mode, Outdoor

mode, Sleeping Mode and Disarm Mode. We will take Indoor for an example.

5.15.2. Home/Sleeping/Away

Location: To display location information of 8 zone.

Zone Type: To display the sensor type of 8 zone.

Defence Delay: To set defence delay time, it means when you change to the arming mode from other modes, there will be 30 seconds delay time by default.

Alarm Delay: To set alarm delay time, it means when the sensor triggered, there will be 90 seconds delay time to announce the notification by default.

Arming Mode

Arming Mode

Mode

Disarm

Home

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	☐

Sleeping

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	☐

Away

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	☐

Submit

Cancel

5.16.Arming-Disarm Code

5.16.1. Disarm Code

To modify the disarm code.

Current Password: To type in the current disarm code for authentication.

New Password: To set a new disarm code.

Confirm Password: To type in new disarm code again for confirmation.

Disarm Code	
Disarm Code	
Current Password	
New Password	length must be 1-10
Confirm Password	match with new pwd

5.17.Security-Basic

5.17.1. Web Password Modify

To Modify the password for web GUI.

User Name: Choose admin account or user account to modify corresponding password.

Security-Basic	
Web Password Modify	
User Name	admin
Current Password	
New Password	
Confirm Password	

Current Password: To type in the current password for authentication.

New Password: To set a new password.

Confirm Password: To type in new password again for confirmation.

5.17.2. Session Time Out

Session Time Out Value: To modify the session time out value, it is 300 by default. That means if it has been 300 seconds since you operated last time, you need to login again.

Session Time Out	
Session Time Out Value	300 (60~14400s)