

**Akuvox** Smart Intercom



## **IT82 Series Indoor Monitor Admin Guide**

## About This Manual

Thank you for choosing Akuvox's IT82 Series indoor monitor. This manual is intended for end users, who need to use and configure the indoor monitor. This manual provides an introduction of all functions and features of the product. It is suitable for 82.31.2.4xx version. Please visit Akuvox forum or consult technical support for any new information or latest firmware.

**Note:** Please refer to universal abbreviation form in the end of manual when meet any abbreviation letter.

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# 1. Product Overview

## 1.1. Product Description

IT82X is an Android SIP-based with smooth touch-screen Indoor monitor. It can be connected with Akuvox door phone for unlock and monitor.

Residents can communicate with visitors via audio and video call, and support remote unlock the door. It is more convenient and safe for residents to check the visitor identity through its video preview function.

IT82 is often applicable in villas , apartments, building and so on.



Figure 1.1 Product description

## 1.2. Connector Introduction

**Ethernet(POE):** Network Interface(POE) connector which can provide both power and network connection.

**RJ45(PON):** Share the network access from Ethernet port, and for PC and other equipment connection.

**12V/GND:** External power supply terminal if POE is not available.

**RS485+/-:** RS485 terminals.

**NO/COM:** Relay control terminal.

**IO1- IO8/GND:** Connect with different alarm detectors for 8 security zones.

**Note:** The general indoor monitor interface diagram is only for reference.

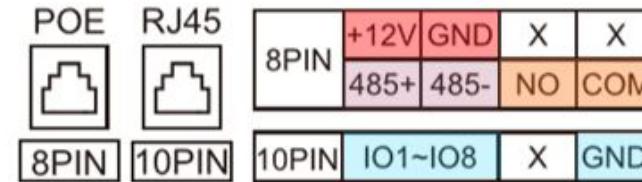


Figure 1.2-1 IT82X interface

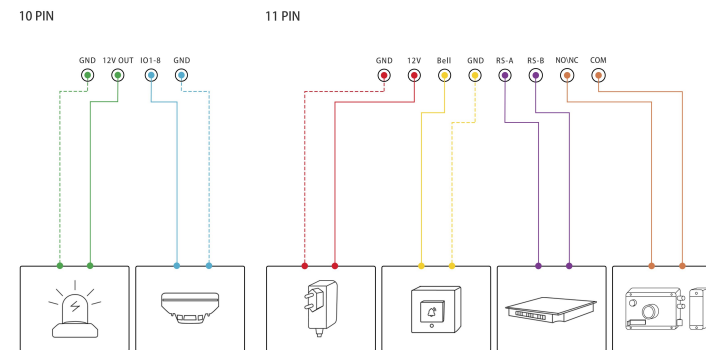


Figure 1.2-2 General interface

## 2. Daily Use

### 2.1. Starting

When booting IT82X first time, users need to choose a suitable network connecting wireless or wire network. Then choosing the proper device mode according to specific application scenarios. IT82 supports 3 modes, including **Cloud**, **Discovery** and **SDMC**. But it will just pop up Cloud Mode and Discovery Mode for users choosing. Tap **Skip** if users are adopting SDMC mode. Discovery mode is default.

**Discovery mode:** It is a plug and play configuration mode. Akuvox devices will configure themselves automatically when users power on the devices and connect them to network. It is a super time-saving mode and it will greatly bring users convenience by reducing manual operations. This mode do not need to be done any configurations previously by the administrator.

**Cloud mode:** Akuvox Cloud is an all in one management system. All configurations in the device will be issued automatically from

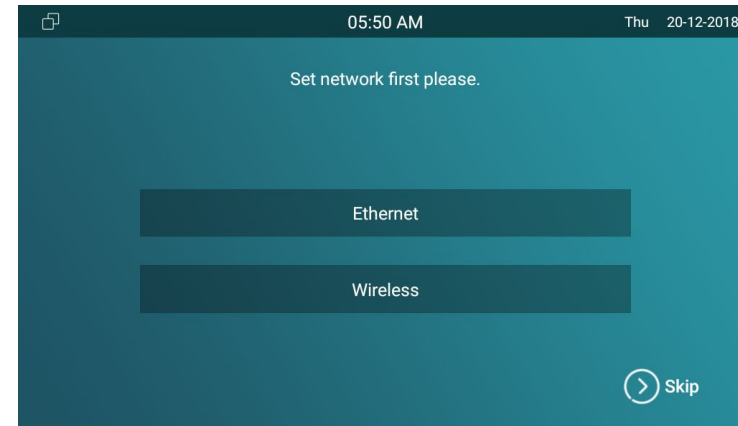


Figure 2.2.1-1 Network selection

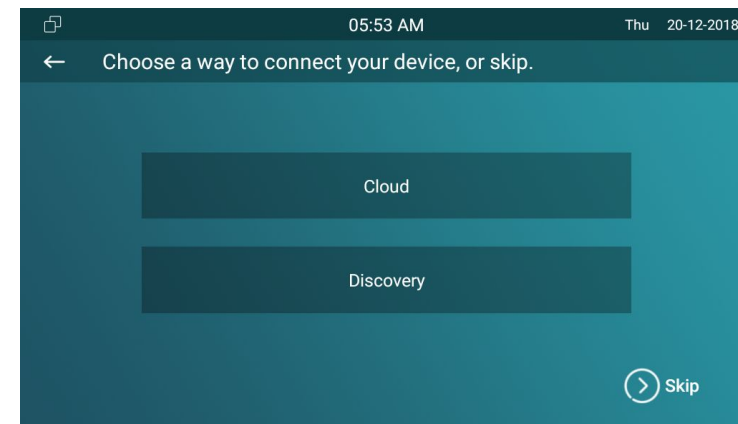


Figure 2.2.1-2 Device mode selection

the Cloud. if you decide to use Akuvox cloud, please contact the administrator, he will help to do some settings in the Cloud before using.

**SDMC mode:** SDMC is a center management software which is suitable for managing a community in LAN. The device will get settings from SDMC automatically.

## 2.2. Making a call

There are 4 ways to make a call from the indoor monitor to other units, which can be another indoor monitor or an intercom app.

### 2.2.1. Calling from Call List

In the home page, choose a number from **Call List** to make a call.

- Scroll up or down the **Call List** ① to choose the contact that users want to call.

**Note:** In Cloud or SDMC mode, the Call List of IT82X will be issued from the system.

### 2.2.2. Calling from All Call

It could call multiple indoor monitors if they are set under the same multicast address. During the session, IT82X is listened by other indoor monitors.

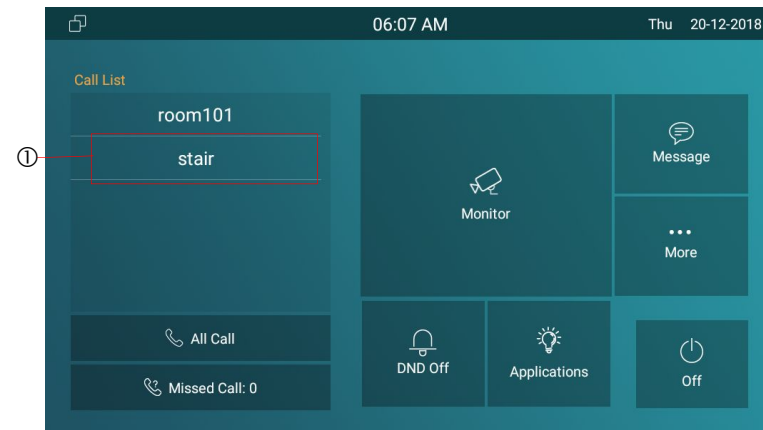


Figure 2.2.1 Call from call list

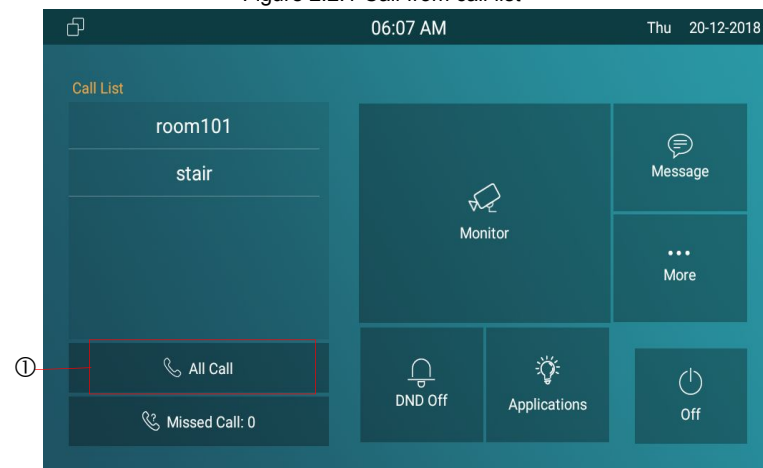


Figure 2.2.2 Call from all call

Tap **All Call** icon ① to call other indoor monitors which are set in the same multicast group.

### 2.2.2. Calling from Missed Call

The Missed Call will indicate how many calls that users have missed (1 missed call for an example). Missed call could be treated as a brief call log.

- Tap **Missed Call** icon ① to view the calls that were not answered before.
- Choose the contact on the call list ② which users want to call out.
- Click account above the keypad ③ to switch accounts to make a call.
- Click **Audio** ④ or **Video** ⑤ mode to call out.

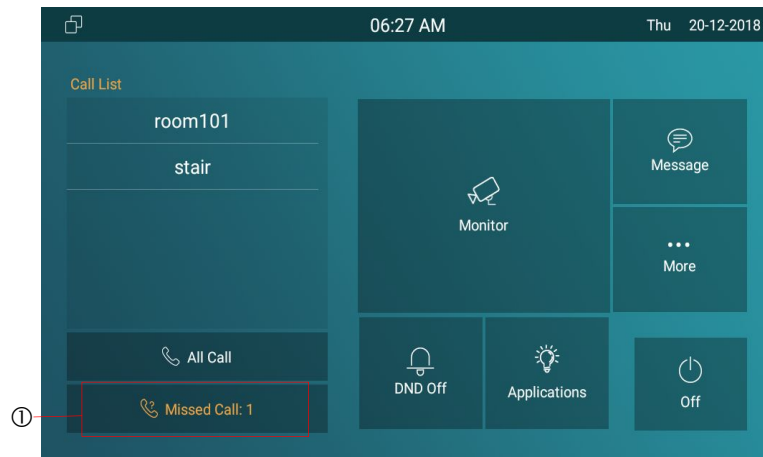


Figure 2.2.2-1 Call from miss call

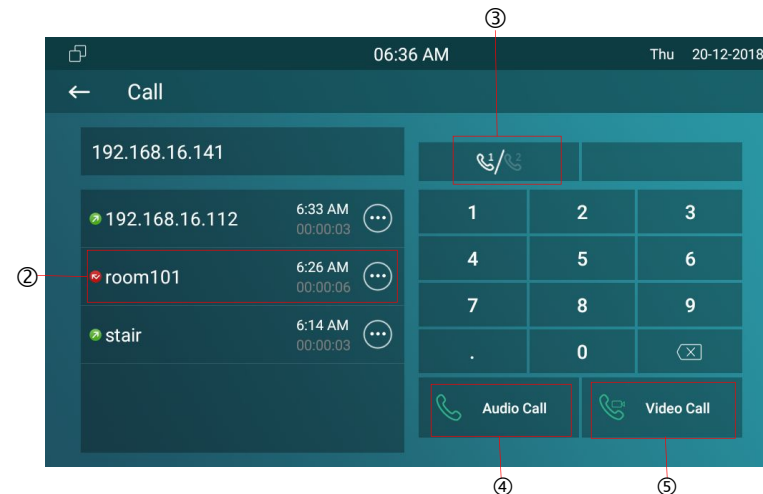


Figure 2.2.2-2 Call from miss call

### 2.2.3. Call from Device

It will display the devices connected with IT82 Monitor on the Contact interface. On the device, go to **More - Contact - Device**.

- Select a device ① which users want to call.
- Click **Audio** ② or **Video** ③ mode to call out.

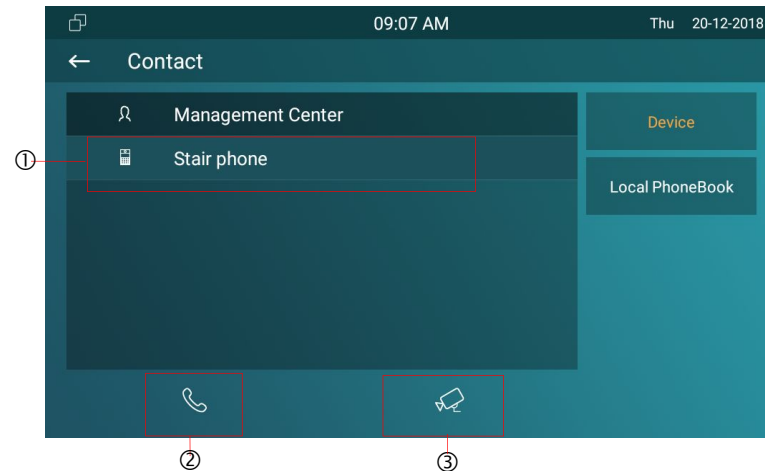


Figure 2.2.4 Call from device

### 2.2.4. Calling from LocalPhoneBook

Enter the contact interface to make a call.

- IT82X supports fuzzy matching query ①. To search the list by number or alphabet.
- Scroll up or down the contact ② that users want to call.
- Click **Audio** ③ or **Video** ④ mode to call out.

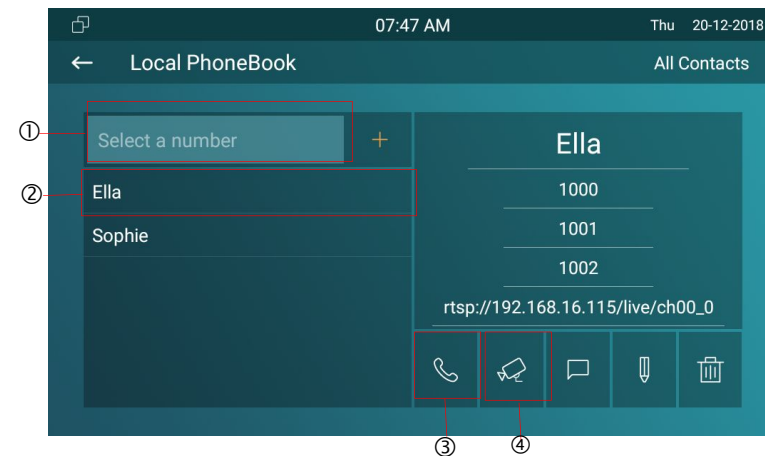


Figure 2.2.3 Call from local phonebook



## 2.2.5. Calling from Keypad

On the device, go to **More - Call** to get access to keypad.

- Click account icon ① above the keypad to switch accounts to make a call.
- Input the SIP account/ IP address to the keypad ② to call the corresponding devices or soft phone.
- Click **Audio** ③ or **Video** ④ mode to call out.

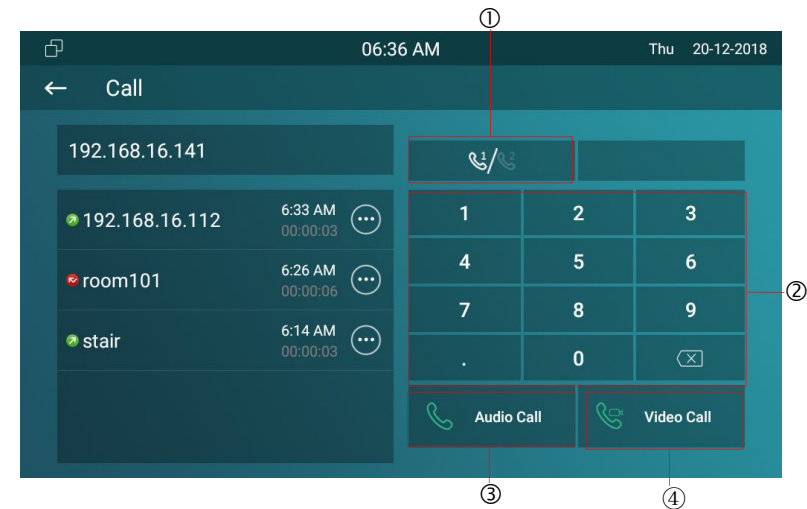



Figure 2.2.5 Call from keypad

## 2.2.6. Calling from Sense Key

Press the right side of the phone screen to make a call out.

Typically, the center call  is used. This account is from website configuration. Users can configure it as an emergency number or a guard station number. Please refer to chapter 3.4.10.1 about the feature display setting.

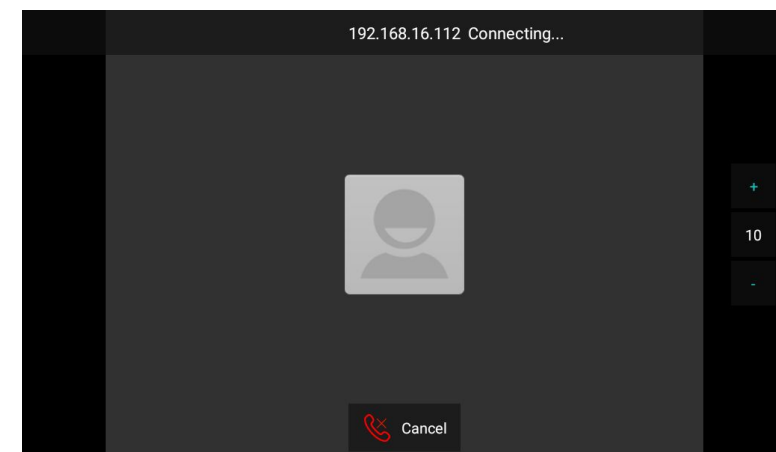


Figure 2.2.6 Call from center

## 2.3. Receiving a Call

### 2.3.1. Receive an Incoming Call

IT82X monitor supports to preview the visitor/caller when it receives an incoming call from door phone.

- Tap **Answer** to pick up the incoming call.
- Tap **Cancel** to reject the incoming call. Press “+” or “-” of the volume on the right side to adjust the ring tone volume.

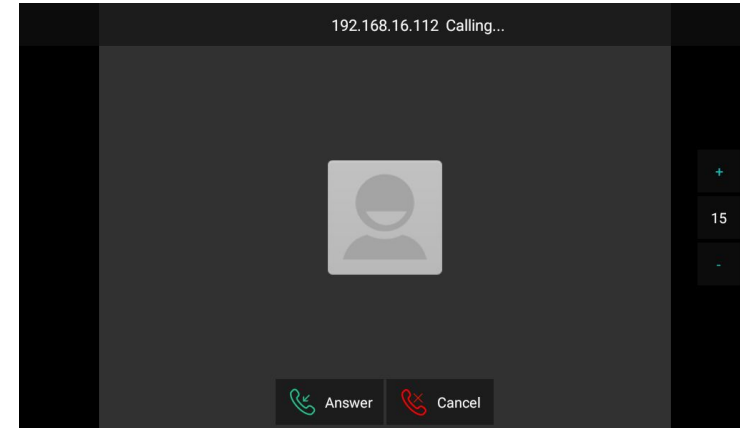


Figure 2.3.1 Incoming call

### 2.3.2. During the session

- Tap **Unlock** to open the corresponding door. (if the call is from outdoor unit)
- Tap **Mute** to eliminate the voice on users' side.
- Tap **Switch** to switch from video call to audio call or vice versa.
- Tap **Cancel** to hang up the current call.

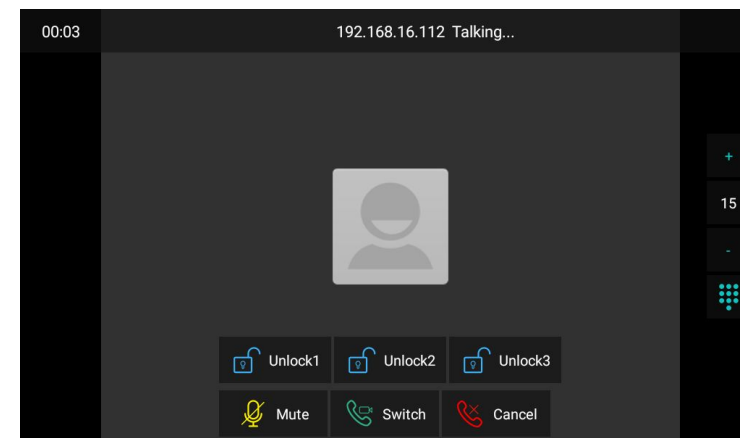


Figure 2.3.2 Incoming call

## 2.4. Monitor

Monitor feature enables users to view the real-time video from IP cameras or door phones anytime. Click **Monitor** in the home page.

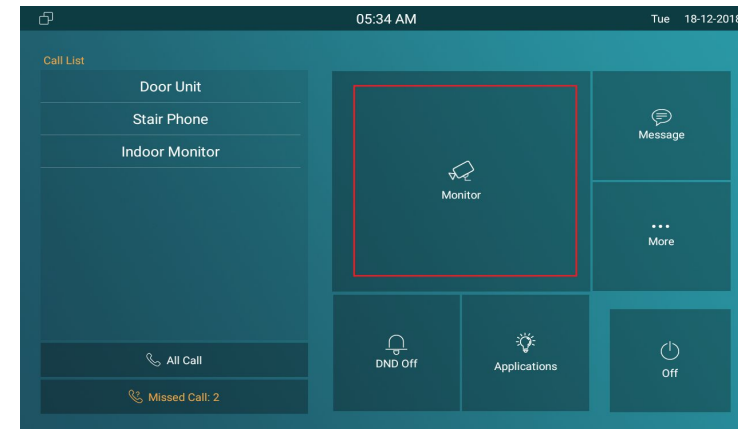


Figure 2.4-1 Monitor

## 2.4.1. Checking the Monitor

Choose the outdoor devices from the list .The real-time video from the door phone or IP camera will show in the screen .

- Press **Unlock** to open the door which is connected with door phone.
- Press **Capture** to take a photo from the outdoor devices.
- Press **Cancel** to exit the monitor.
- Press **List button** in the bottom right corner to switch to different outdoor videos.
- Press the **Monitor list** in the right side to choose the outdoor videos.

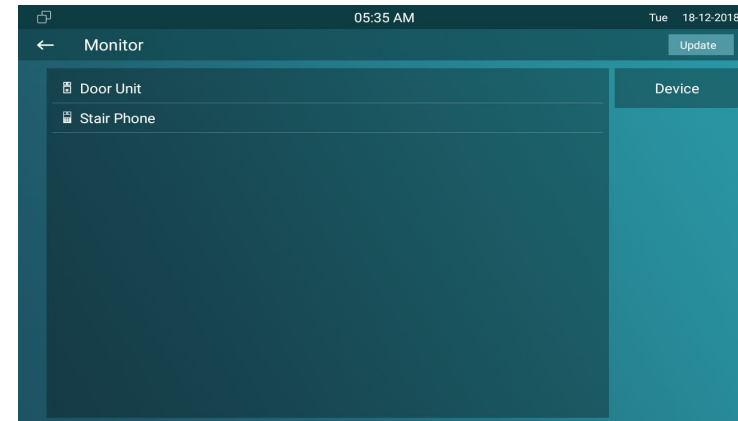


Figure 2.4.1-1 Live view list

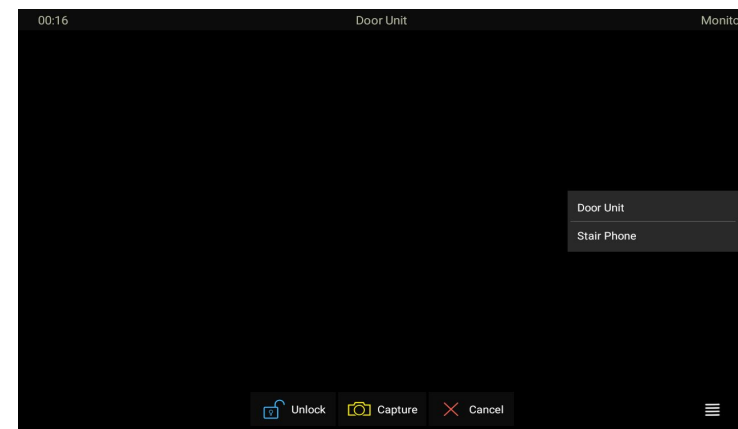


Figure 2.4.1-2 Live view video

## 2.5. Message

It will indicate how many messages are unread on **Message** ①.  
(An unread message for an example). Or directly enter the message interface to do edition.

### 2.5.1. Text Message

- Tap **Message** ① on the main interface to view the unread message. (An unread message for an example)
- Tap the unread message ② to view the message in details.

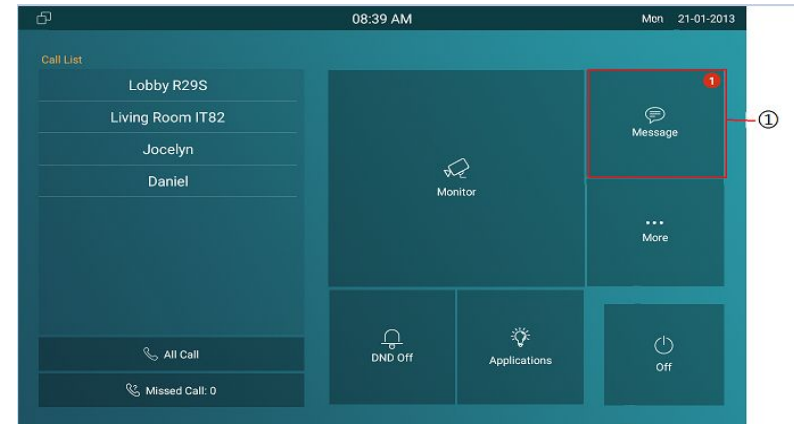


Figure 2.5 -1 Message

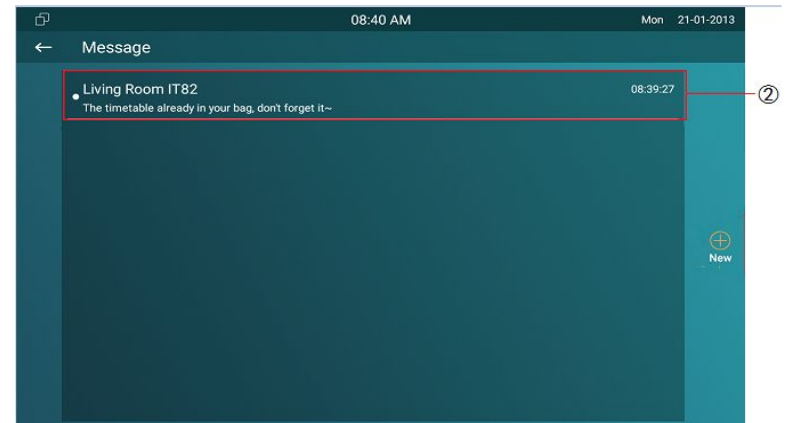


Figure 2.5.1-1 Text message

## 2.5.2. Creating a Message

- Press **New** key ① to create a new message.
- Enter the destination number manually ② or choose the contact from the **contact list** ③ or select the device quickly from the below list ④ .
- Choose the **frequently used message** ⑤ , such as “Hello,” “Help.” Or input the message content you want to send ⑥.
- Press **Send** key ⑦ to send.

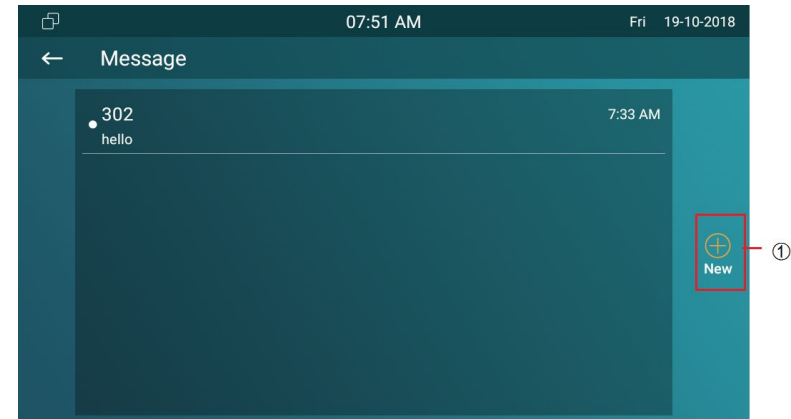


Figure 2.5.2-1 Create message

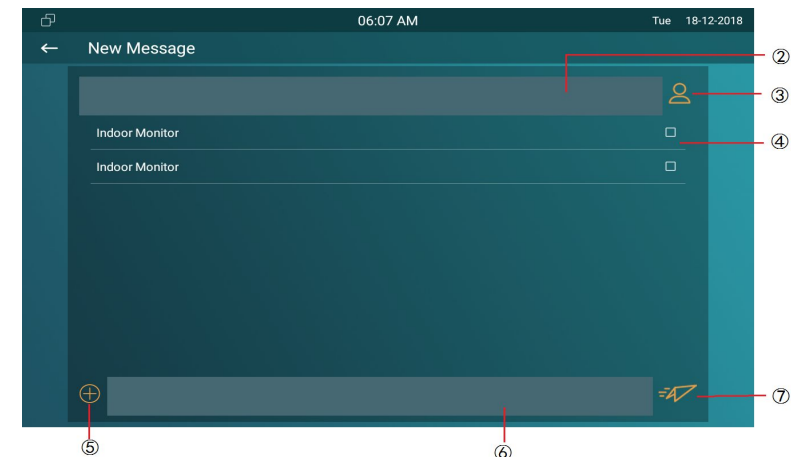


Figure 2.5.2-2 Create message

### 2.5.3. Deleting a Message

- Long press the message ① to select it.
- Click **Select All** ② to select all message in the message lists.
- Click **Delete** ③ to delete the messages have been selected.
- Click **Cancel** ④ to cancel the operation.
- Click **Back** icon ⑤ to exit the message interface.

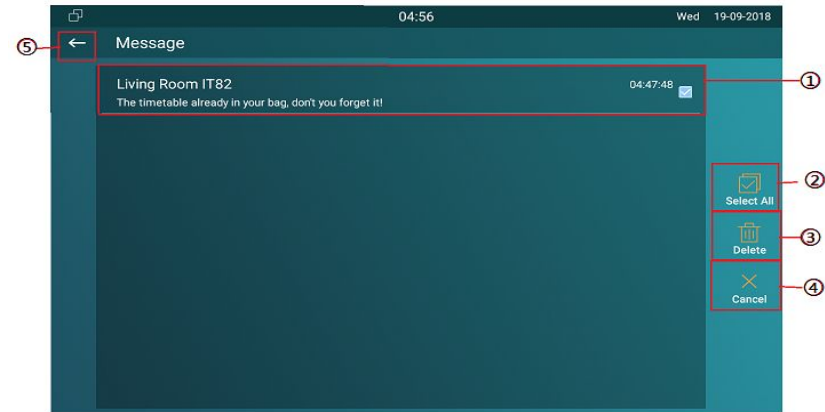


Figure 2.5.3 Delete message

## 2.6. Arming

Tap **Arming** to enter the arming interface. Arming feature is not displayed by default. Users can ask administrator to able it. Please refer to chapter 3.4.10.2.

IT82X monitor supports 4 modes, including “Home mode,” “Night mode,” “Away mode” and “Disarmed mode.”

### 2.6.1. Arming Mode

Go to **Arming - Arming mode**. Users can see all of the 8 zones and corresponding sensor types. Slide down to check more information in this interface.

- Adjust **Defence delay time**. It means when users change the arming mode from other modes, there will be 90 seconds delay time.
- To setup the **Alarm delay**. It means when the sensor triggered, there will be 90 seconds delay time to announce the notification.
- The **Status** in the corresponding zone means whether the zone is available or not.

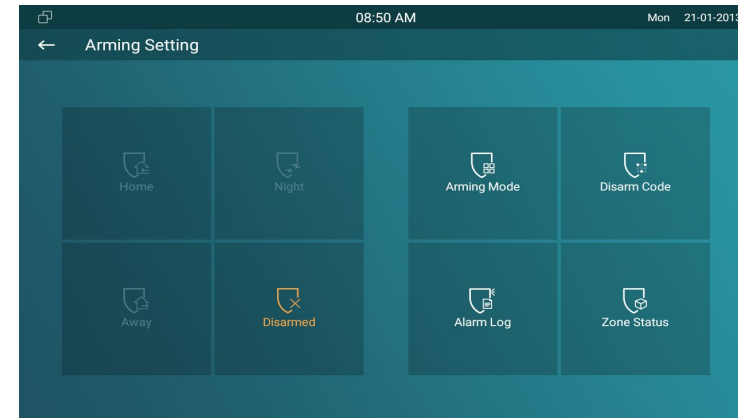


Figure 2.6 Arming

Home		Night		Away	
Zone	Location	Zone Type	Defence delay	Alarm Delay	Status
Zone1	Guest room	Doorbell	90s delay	90s delay	24H
Zone2	Bedroom	Infrared	90s delay	90s delay	Disable
Zone3	Bedroom	Infrared	90s delay	90s delay	Disable
Zone4	Bedroom	Infrared	90s delay	90s delay	Disable
Zone5	Bedroom	Infrared	90s delay	90s delay	Disable
Zone6	Bedroom	Infrared	90s delay	90s delay	Disable
Zone7	Bedroom	Infrared	90s delay	90s delay	Disable
Zone8	Bedroom	Infrared	90s delay	90s delay	Disable

Figure 2.6.1 Arming mode



- Press **Save** in the top right corner to save the modification.

## 2.6.2. Disarm Code

Go to **Arming - Disarm Code** to enter the disarm code settings interface. Users can modify the disarm code here.

- Enter the **original disarm code** ① first, and it is 0000 as default.
- Enter the **new disarm code** ②.
- Enter the new disarm code again ③ for confirming.
- Press **Save** to save the modification.

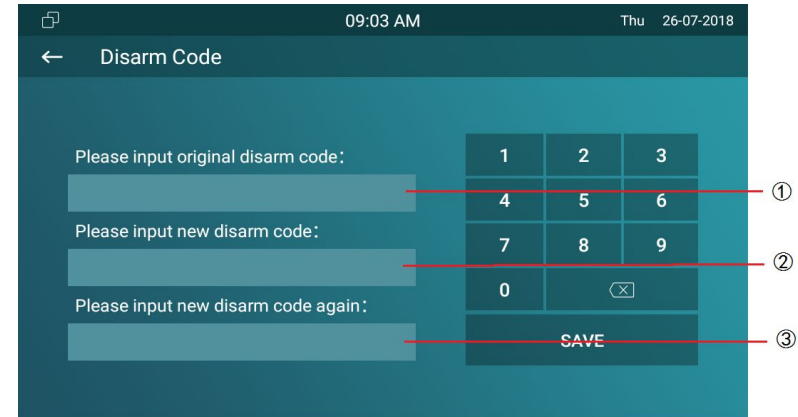


Figure 2.6.2 Disarm code

## 2.6.3. Alarm Log

Go to **Arming - Alarm Log** to enter the alarm log interface. Users can check the alarm log, including “location,” “zone,” “zone type” and “alarm time.”

- Hold an **alarm log** ①, and it will show up delete prompt.

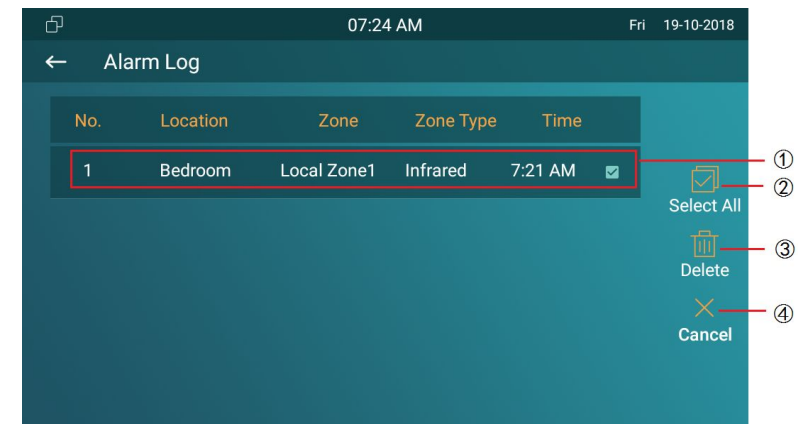
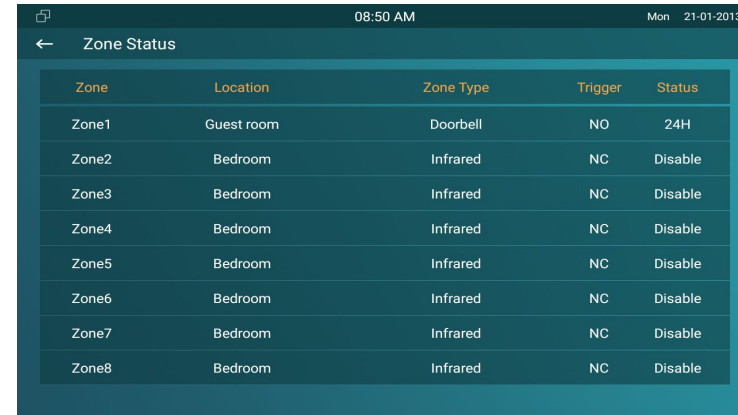


Figure 2.6.3 Alarm log

- Press **Select All** ② and click **Delete** ③ to delete all alarm log.
- Press **Cancel** to cancel to deletion.

### 2.6.4. Status

Go to **Arming - Zone Status** to enter the zone status interface. Users can check the status of zones, including “location,” “zone type,” “trigger mode” and “status.”



Zone	Location	Zone Type	Trigger	Status
Zone1	Guest room	Doorbell	NO	24H
Zone2	Bedroom	Infrared	NC	Disable
Zone3	Bedroom	Infrared	NC	Disable
Zone4	Bedroom	Infrared	NC	Disable
Zone5	Bedroom	Infrared	NC	Disable
Zone6	Bedroom	Infrared	NC	Disable
Zone7	Bedroom	Infrared	NC	Disable
Zone8	Bedroom	Infrared	NC	Disable

Figure 2.6.4 Alarm status

## 3. Basic Features

### 3.1. Access the System Settings

#### 3.1.1. Advanced System Setting

On the device, go to **More - Settings - More** (default password: 123456) to access advanced system settings.

The latter more settings have more advanced features.

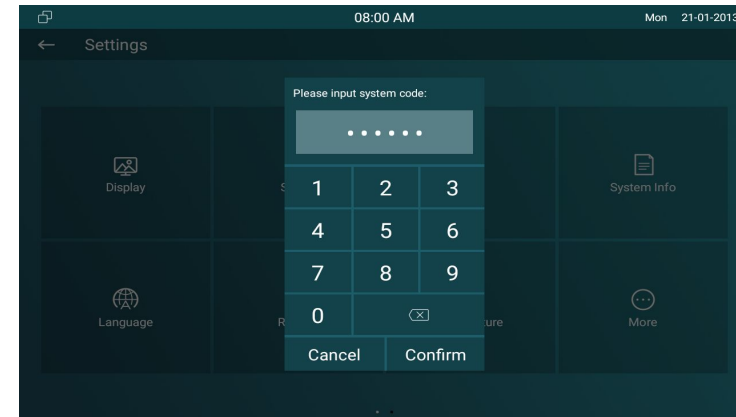


Figure 3.1.1 System setting

### 3.2. Access the Website Setting

#### 3.2.1. Obtaining IP address

On the device, go to **More - System Info - Network** to check the device's IP address.

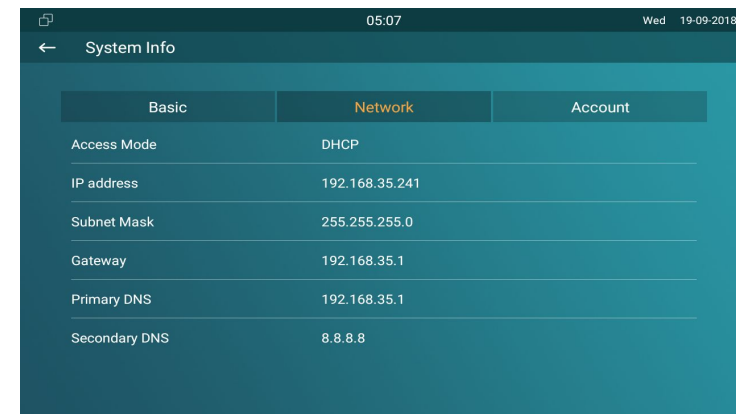


Figure 3.2.1 Network status

### 3.2.2. Accessing the Device Website

Type the device's IP address on browser, and input default user name and password: **admin/admin** to access the web interface.

**Note:** The recommended browser is Google Chrome

## 3.3. Password Modification

### 3.3.1. System Code Modification

On the device, go to **More - Settings - More - System Code**.

System code is used to enter higher level More settings interface, and the **original system code** ① is 123456. Administrator can edit a **new system code** ② to prevent someone from tampering with the advanced configurations, and then confirm the new one ③ and click submit ④ to save.

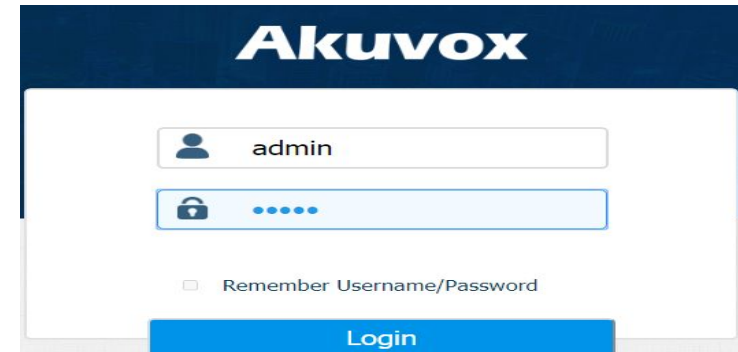


Figure3.2.2 Login web

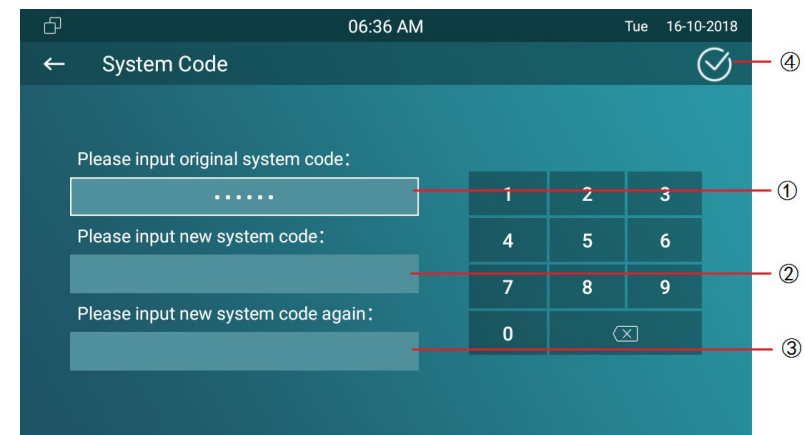


Figure3.3.1 System code

### 3.3.2. Setting Code Modification

On the device, go to **More - Settings - More - Setting Code**.

Setting code is used to enter “Setting interface,” and the **original setting code** ① is null. Administrator can edit a **new setting code** ② to prevent someone from entering the setting interface, and then confirm the new one ③ and click submit ④ to save.

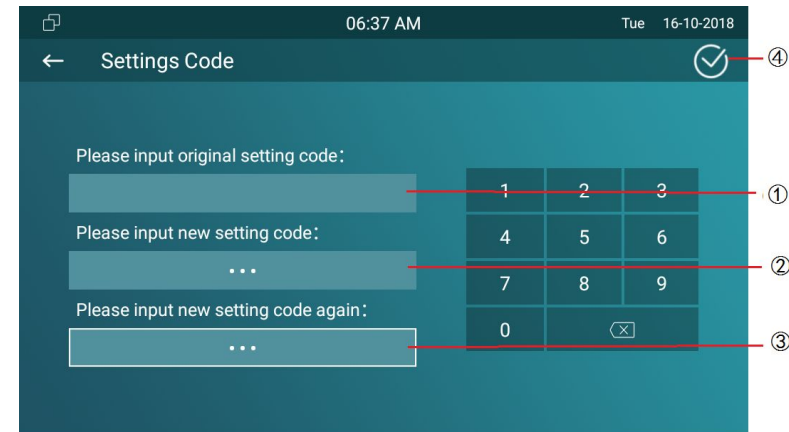


Figure 3.3.2 Setting code

### 3.3.3. Web Password Modification

Access the website, go to **Security - Basic - Web Password Modify** to modify the default website password “admin.” Enter the original password and new password, and confirm the new password again.

**Confirm Password:** To enter the new password again to confirm there is no mistake.

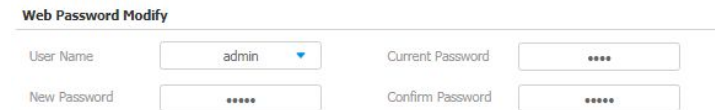


Figure 3.3.3 Web Password

## 3.4. Phone Configuration

### 3.4.1. Language

On the device, go to **More - Settings - Language** to choose a suitable phone screen display language, and it is English by default. In the website, go to **Phone - Time/Lang - Web Language** to select a web language, and it is English by default.

### 3.4.2. Time

On the device, go to **More - Settings - Time** to enter the time setting interface.

**Automatic Date Time:** To enable NTP server.

**Set Date:** To set the date manually.

**Set Time:** To set the time manually.

**Time Zone:** To select which time zone user is in.

**Use 24-Hour Format:** To enable 24 hour format for a day.

**Date Format:** To select different date format.

**NTP Server:** To fill in the NTP server to get time automatically.



Figure 3.4.1-1 Phone language

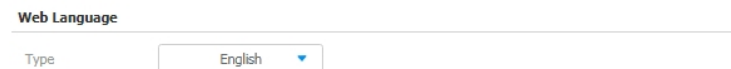


Figure 3.4.1-2 Web language

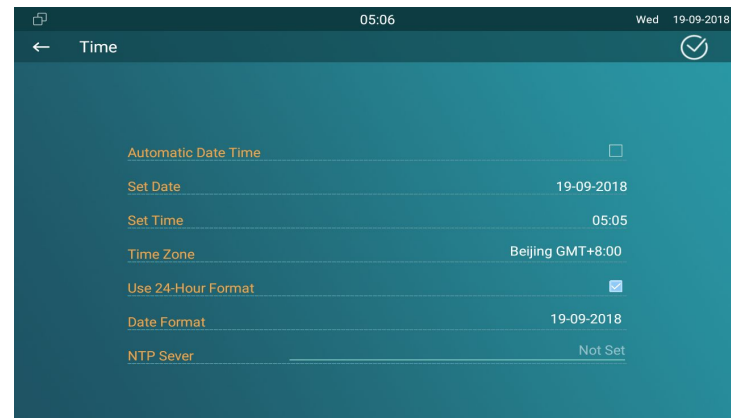


Figure 3.4.2-1 Time setting

On the web portal, go to **Phone - Time/Lang - NTP**.

**Time Zone:** To select which time zone user is in.

**Primary Server:** To fill in NTP server to get time automatically.

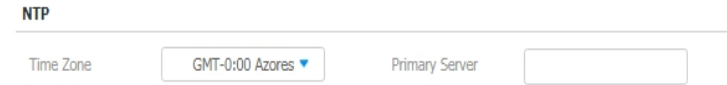


Figure 3.4.2-2 NTP setting

### 3.4.3. Network

#### 3.4.3.1. Network Status

On the device, go to **More - System Info - Network**.

Users could check the basic network status from this interface, including access mode, IP address parameters and so on.

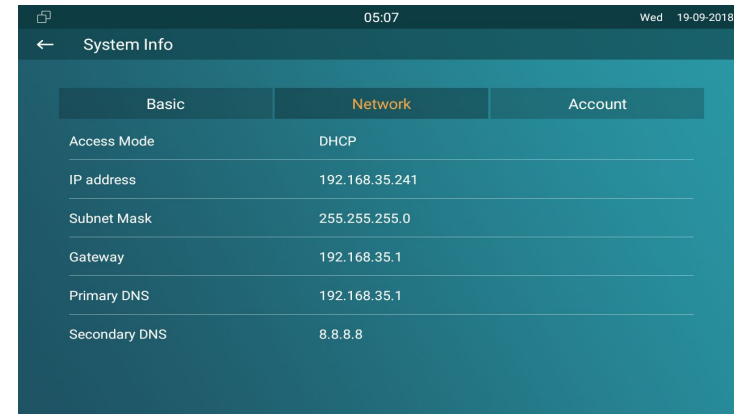


Figure3.4.3.1-1 Network info

On the web portal, go to **Status - Basic - Network Information** to check network information.

Network Information			
LAN Port Type	Static IP	LAN Link Status	Connected
LAN IP Address	192.168.16.106	LAN Subnet Mask	255.255.255.0
LAN Gateway	192.168.16.1	LAN DNS1	192.168.16.1
LAN DNS2	0.0.0.0		

Figure3.4.3.1-2 Web network info

### 3.4.3.2. Network Settings

On the device, go to **More - Settings - More - Network**.

**DHCP:** Ticking the DHCP option to configure the network as DHCP mode, and then IT82X will obtain the IP address, and other network parameters automatically.

**Static IP:** Fill in the parameters of “LAN IP,” “Subnet Mask,” “Gateway,” “Pri DNS Server” and “Sec DNS Server” manually.

On the web portal, go to **Network - Basic - LAN Port** to check the network settings.

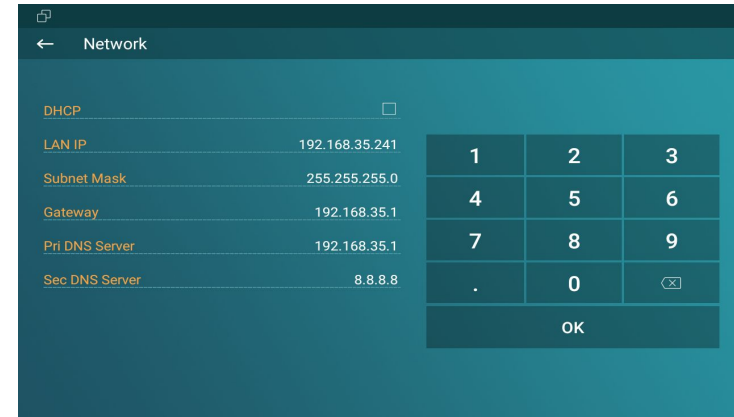


Figure 3.4.3.2-1 Wire network setting

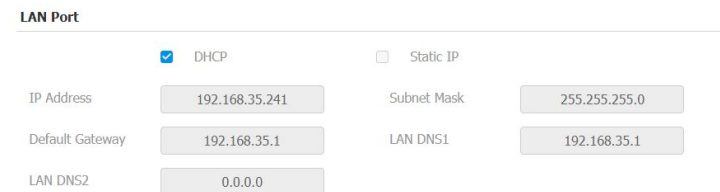


Figure 3.4.3.2-2 Wire network setting



### 3.4.3.3. WIFI Setting (optional)

Enable the WIFI feature, choose the suitable AP (access point), then enter the password to connect it.

### 3.4.3.4. Local RTP

On the web portal, go to **Network - Advanced - Local RTP**.

**Starting RTP Port:** To determine the minimum port for RTP stream.

**Max RTP Port:** To determine the maximum port for RTP stream.

### 3.4.4. Display Settings

On the device, go to **More - Settings - Display**.

**Brightness:** To adjust the brightness which is 145 by default. The range is from 0 to 255. The bigger value means the brighter screen.

**Sleep:** To configure the sleep delay which is 1 minute by default. If there is no any operation in 1 minute, it will turn to black screen.

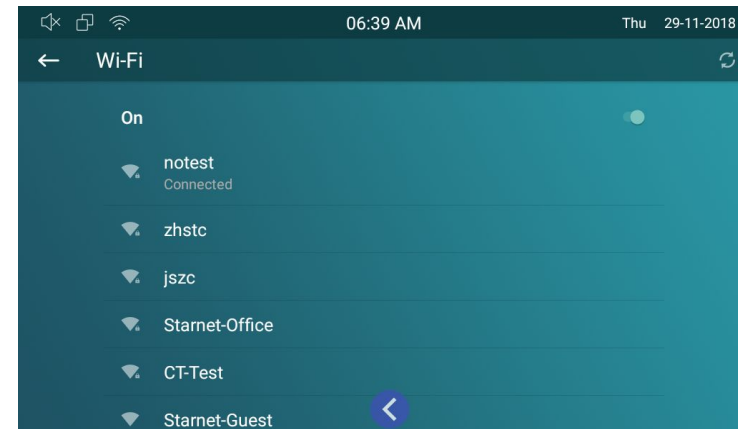


Figure 3.4.3.3 Wireless network



Figure 3.4.3.4 RTP setting

**Screen Saver Lock Time:** To configure the time to make it display black screen when it is in screen savor mode.

**Screen Saver:** To enable Screen Saver mode.

**Screen Lock:** To enable the lock of screen, users are required the face recognition (face ID) or password to access IT82X indoor monitor.

**Screen Clean:** To select to clean the screen, it will stay immune to touching for 30 seconds.

**Font Size:** To adjust the size of words displayed on screen.



Figure 3.4.4-1 Display setting

### 3.4.5. Sound Settings

On the device, go to **More - Settings - Sound**.

**Ring Volume:** To set ring volume for incoming calls.

**Talk Volume:** To set talk volume during the call.

**Tone Volume:** To set tone volume.

**Ring Tones:** To set different ring tones for incoming call.

**Notification Sound:** To set notification sound when receiving message.

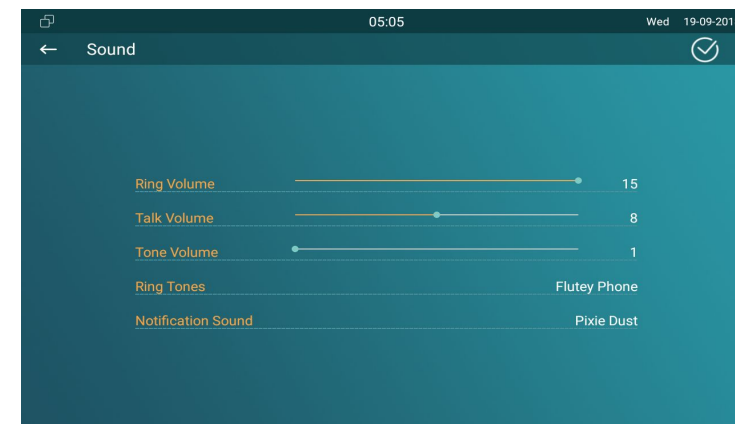


Figure 3.4.5 Sound setting

### 3.4.6. Door Bell Sound

On the web portal, go to **Phone - Audio - Doorbell Sound**.

**Upload:** To choose the suitable sound file from the local folder; click Import to save. Please note the tip about the voice file format.

**Sound File:** Choose one sound from you imported sound files before.

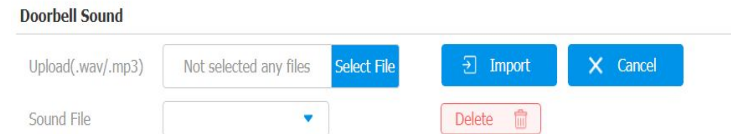


Figure 3.4.6 Doorbell sound

### 3.4.7. DND

The full name of DND is Do Not Disturb. It allows Akuvox indoor monitor (IT82X model) to ignore any incoming calls.

- On the device home screen, tap the **DND** to able or disable DND function.

On the web portal, go to **Phone - Call feature - DND**.

**DND:** Enable or disable this function.

**Return Code When DND:** To configure the return code to caller when rejecting the call.

**DND On Code:** The code is used to turn on DND on server's side, if configured, IP phone will send a SIP message to server to turn on

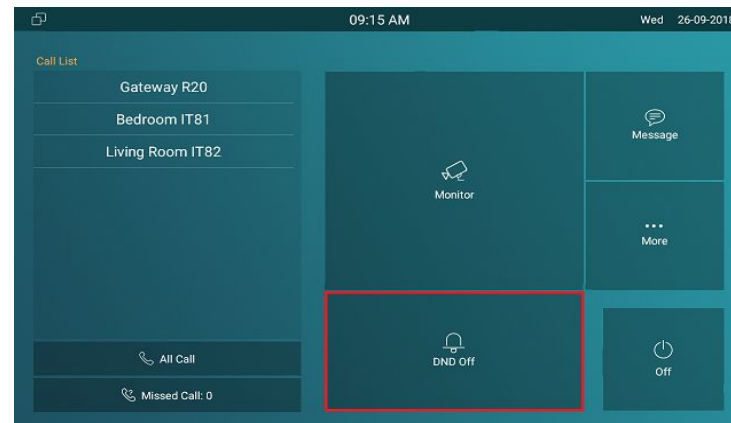


Figure 3.4.7-1 DND switch

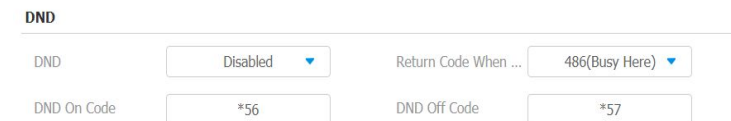


Figure 3.4.7-2 DND setting

DND on server side if users press DND when DND is off.

**DND Off Code:** The code is used to turn off DND on server's side, if configured, IP phone will send a SIP message to server to turn off DND on server side if users press DND when DND is on.

### 3.4.8. Capture

On the device, go to **More - Settings - Call Feature**.

IT82X will automatically take a screenshot from the visitor during the talking, or you can tap the **Capture** key during the live view or calling manually and the capture will be saved in the default path.

Users can change the default path by themselves.

### 3.4.9. Logo

On the web portal, go to **Phone - Logo - Boot Logo**.

Users are able to upload the logo picture, IT82X monitor will display the logo when booting up.

Click **Reset** to reset the boot logo to original one.

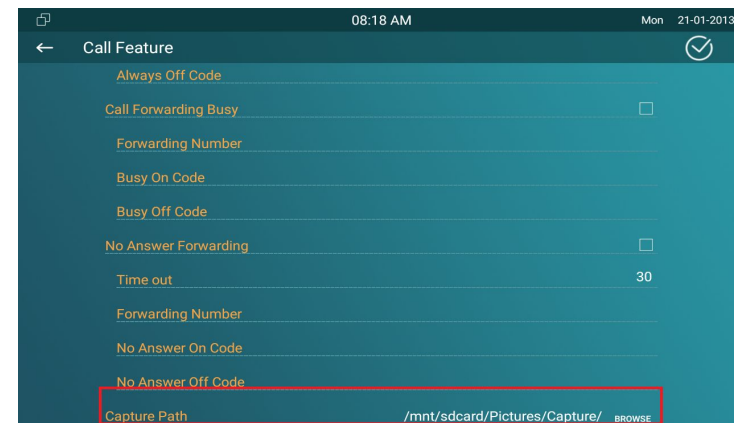


Figure 3.4.8 Capture path

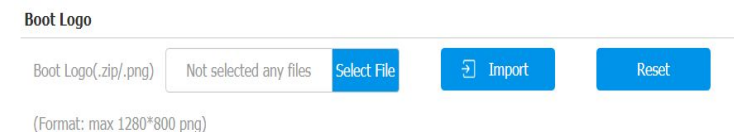







Figure 3.4.9 Boot logo

### 3.4.10. Key Set of IT82X Monitor

#### 3.4.10.1. Sense Key Configuration

On the right side of the phone screen, five sense key are displayed. Users can configure their type on the website, go to **Phoen - Key/Display - Sense Key**. Users can customise the feature of the sense key.

**Type:** To select the function available on the sense key. By default,

 type is null,  type is open message,  type is live view,  type is dial,  type is unlock.

**Value:** To fill in corresponding parameters for some types. Currently, only the “calling” type need to fill in value. In general, the value is an IP or SIP account.

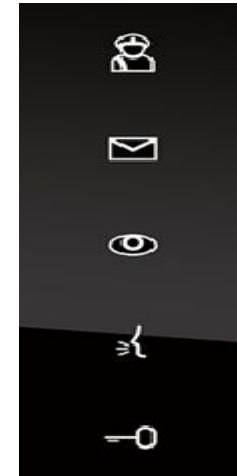


Figure 3.4.10.1-1 Sense key

Sense Key

Key	Type	Value
Sense Key 1	Calling	192.168.16.112
Sense Key 2	Open Message	
Sense Key 3	Live View	
Sense Key 4	Dial	
Sense Key 5	Unlock	

Figure 3.4.10.1-2 Sense key

### 3.4.10.2. Display Icon Configuration

On the web portal, go to **Phone - Key/Display**. User can customize the feature icon display. Choosing which feature will be shown and where it displays.

**Type:** To select which function shall be displayed on the home page or more page. “DND” and “Message” are displayed on home page; “Call,” “Contact,” “Settings” and “Status” are displayed on More page by default.

**Value:** To fill in corresponding parameters for some types; for example, if users want to display a third party App on the home screen, then type shall be chosen as “Custom APK” and fill in the value with corresponding **package name/class name**.

**Example:** To view the display example of IT82X monitor on home page interface or more page interface.

Home Page Display [Example](#)

Area	Type	Value	Label	Icon
Area 1	DND		DND	
Area 2	Message		Message	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>

More Page Display [Example](#)

Area	Type	Value	Label	Icon
Area 1	Call		Call	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 2	Contact		Contact	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 3	Settings		Settings	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 4	System Info		System Info	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 5	Arming		Arming	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 6	N/A		N/A	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>
Area 7	N/A		N/A	Not selected any files <a href="#">Select File</a> <a href="#">Delete</a>

Figure 3.4.10.2 Display icon

## 3.5. Local PhoneBook

### 3.5.1. Adding a Contact

On the device, go to **More - Contacts - LocalPhoneBook**.

- Enter Contact interface, then press **+** symbol ① to add new contact;
- Type in new contact name ②.
- Click **Number 1/2/3** ③ to enter number 1/2/3, which could be SIP number or IP number; it is supported 3 numbers for each of the contact person.
- Click **CameraUrl** ④ to enter RTSP URL of outdoor unit.

**Note:** The RTSP URL of Akuvox door phone is:

**rtsp://device IP/live/ch00\_0.**

- Tap **Cancel** ⑥ to cancel the operation or press **Confirm** ⑤ to make changes to the contact setting.

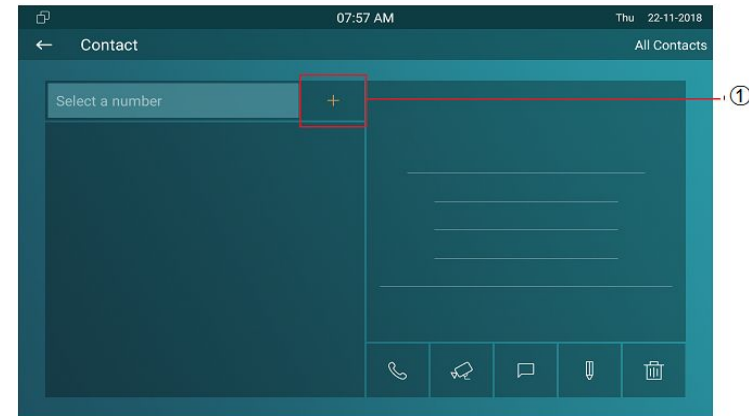


Figure 3.5.1-1 Contact

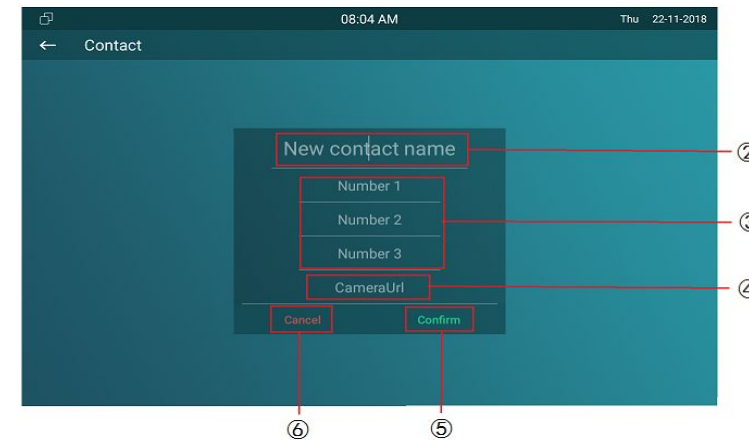


Figure 3.5.1-2 Contact

### 3.5.2. Editing a Contact

On the device, go to **More - Contacts - Local PhoneBook** to enter Contact interface, select one existed contact.

- Press **Edit** icon ① to modify the existed contact.
- Press **Delete** icon ② to delete a new contact.

On the web portal, go to **PhoneBook - Local Book**.

**Contact:** To display all contact or black list.

**Search:** To search the contact by entering number or name.

**Dial:** To dial out the number that users have filled in.

### 3.5.3. Contact Import/Export

On the web portal, go to **PhoneBook - Local Book - Import/Export**.

**Import/Export:** To import or export the contacts in bulk, please make sure the format is correct.

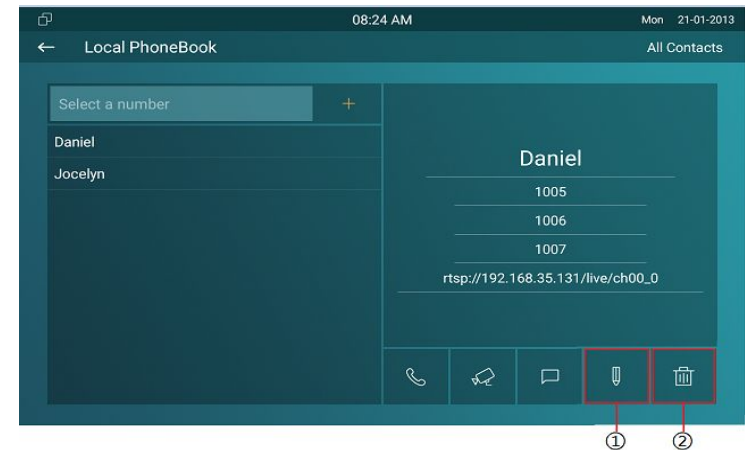


Figure 3.5.2-1 Editing a contact

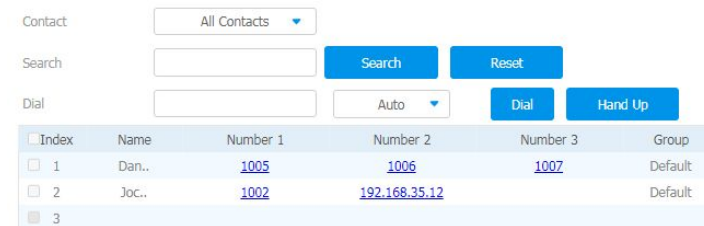


Figure 3.5.2-2 Web contact

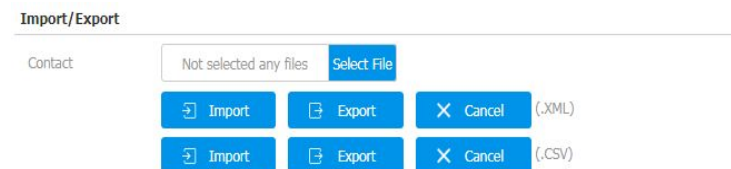


Figure 3.5.3 Import/Export contact



### 3.5.4. Black List

On the device, go to **More - Contact - LocalPhoneBook - Black List**.

- Click **All Contacts** ① to switch the LocalPhoneBook from All Contacts to Black List or vice versa.
- Press “+” ② to add number into black list.
- Click PhoneBook icon ③ to view the existing contacts in LocalPhoneBook.
- Tap contacts ④ to select the corresponding contact person into blacklist.
- Tap **Select All** ⑤ to select all contacts.
- Tap **Confirm** ⑥ to add contacts into black list.
- Tap **Cancel** ⑦ to cancel the operation.

On the web portal, go to **PhoneBook - Local Book - Contact - Blacklist**.

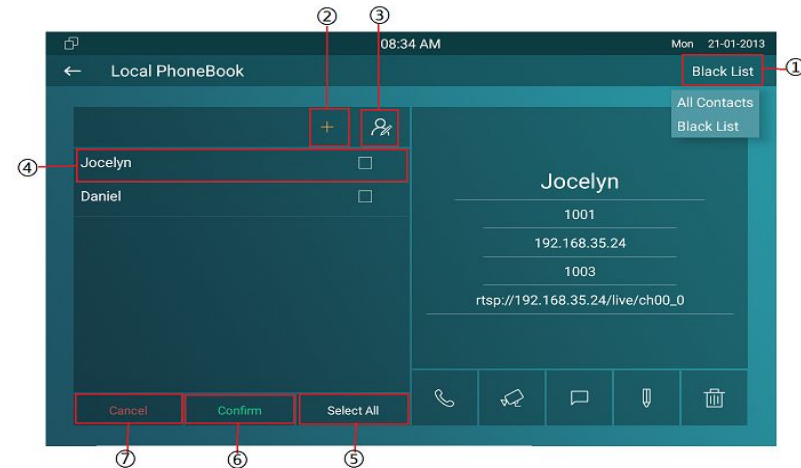


Figure 3.5.4-1 Black list

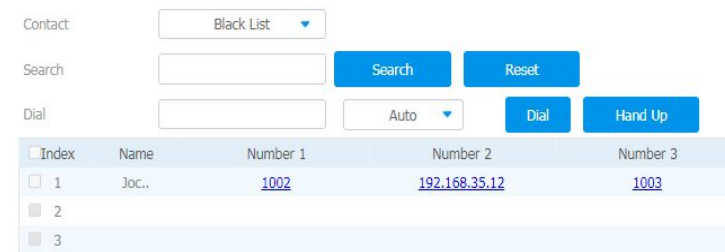


Figure 3.5.4-2Blacklist in web

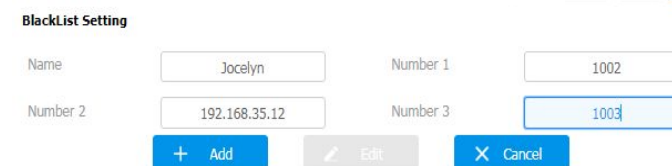


Figure 3.5.4-3 Add blacklist

**Contact:** To display black List or all contact.

**Search:** To search the contact by entering number or name.

**Dial:** To dial out the number that users have filled in.

**BlackList Setting:** To add new contact to Blacklist.

## 3.6. Intercom Call

### 3.6.1. IP Direct Call

Without sip server, users can also use IP address to call each other, but this way is only suitable in the LAN.

Enter the IP address of the caller, and then press **Audio Call** or **Video Call** to make a call.

### 3.6.2. SIP Call

SIP call uses SIP number to call each other which should be supported by SIP server. Users need to register a account and fill some SIP feature parameters before using SIP call.

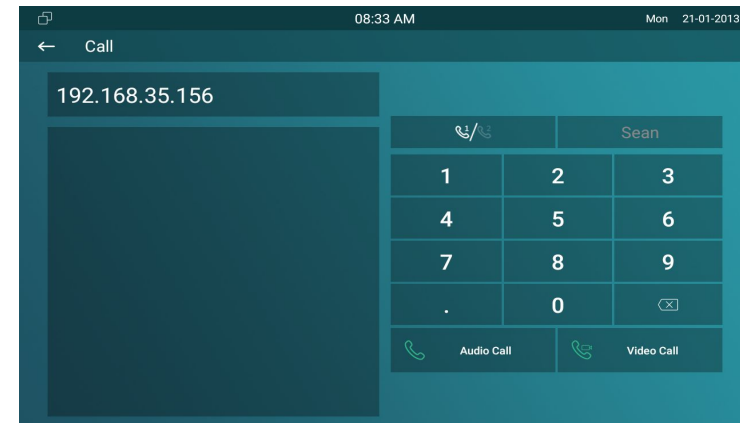


Figure 3.6.1 IP direct call

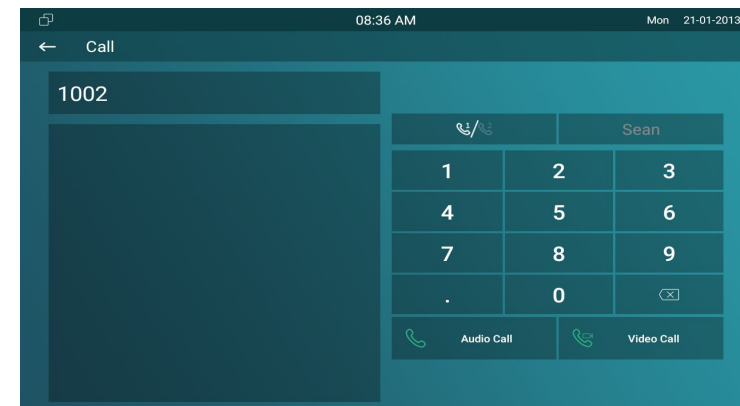


Figure 3.6.2 SIP call

### 3.6.3.Account Status

On the device, go to **More - System Info - Account**.

Users could check the basic SIP account status here, registered means it works normally.

On the web portal, go to **Status - Account Information** to check the basic information of SIP account.

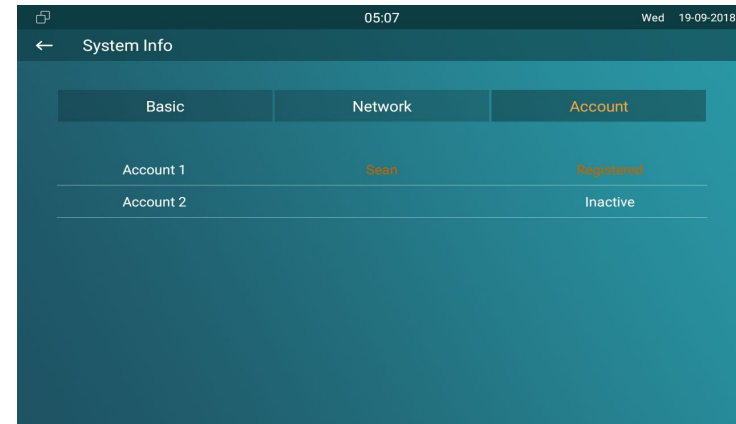


Figure 3.6.3-1 Account status

Account Information			
Account1	1004@192.168.16.141	Account2	None@None
	Registration Failed		Disabled

Figure 3.6.3-2 Account info

### 3.6.4. SIP Account

On the device, go to **More - Settings - More - Account**.

**Active:** To activate SIP account.

**Label:** To enter the label name of this account, which will show on the account status interface.

**Display Name:** To enter the display name of this account, which will show on other devices when making calls.

**Register Name:** To enter the number registered onto SIP server.

**User Name:** To enter the extension number registered onto SIP server.

**Password:** To enter the password of the corresponding users.

On the web portal, go to **Account - basic - SIP Account** to configure.

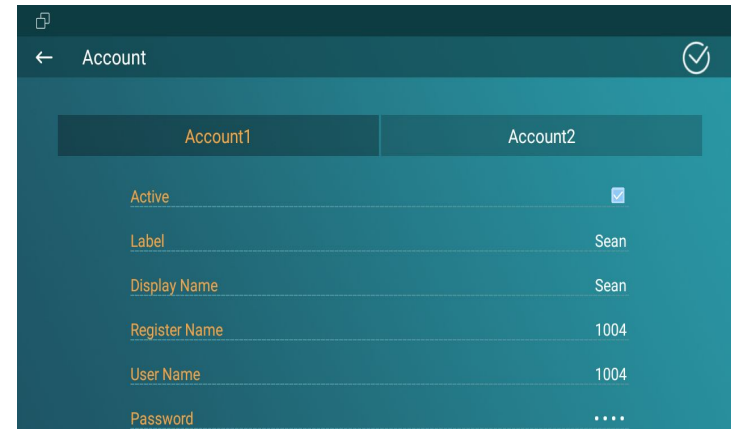


Figure 3.6.4-1 Account status

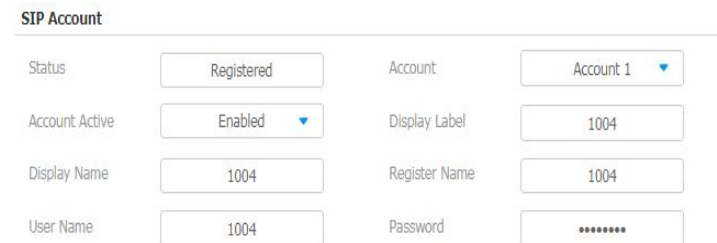


Figure 3.6.2-1 Account status

### 3.6.5. SIP Server

Enter the SIP account address which points to the SIP server.

There is only one SIP server item in the phone, you can also check in the website.

**Server IP:** To enter SIP server's IP address or URL.

**Port:** The specified port number for the SIP server.

**Registration Period:** The registration will expire after Registration period, the phone will re-register automatically within registration period.

On the web portal, go to **Account - Basic - SIP Server 1** to check the information of SIP account in details.

### 3.6.6. Outbound Proxy Server

On the web portal, go to **Account - Basic - Outbound Proxy Server** to setup outbound proxy server.

**Outbound Proxy Server:** To configure the proxy server to receive all initiating request messages and route them to the designated SIP server.

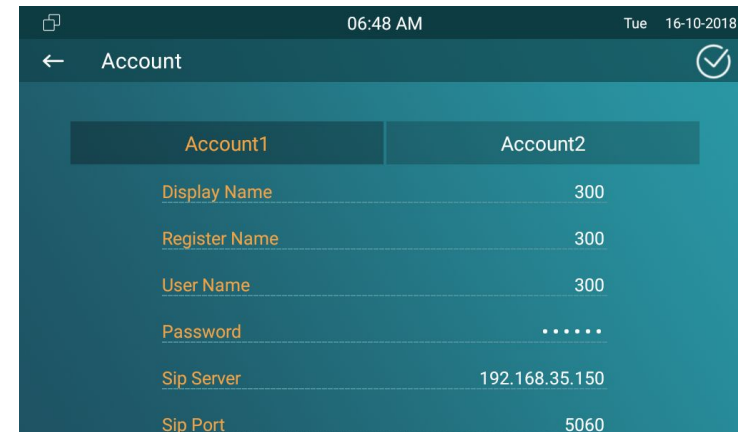


Figure 3.6.5-1 SIP server

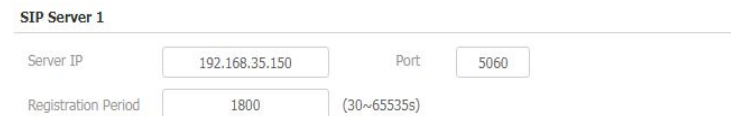


Figure 3.6.5-2 SIP server

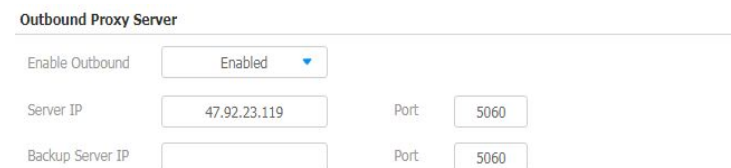


Figure 3.6.6 Outbound server

### 3.6.7. Transport Type

On the web portal, go to **Account - Basic - Transport Type** to setup transport type.

**UDP:** UDP is an unreliable but very efficient transport layer protocol.

**TCP:** Reliable but less-efficient transport layer protocol.

**TLS:** Secured and Reliable transport layer protocol.

**DNS-SRV:** A DNS RR for specifying the location of services.

### 3.6.8. Auto answer

On the web portal, go to **Account - Advanced - Call** to enable/disable auto answer feature; it will auto answer all incoming calls if it is enabled.

**Note:** Auto answer is only available with a SIP account.

On the web portal, go to **Phone - Call Feature - Auto Answer Whitelist** to setup auto answer whitelist. It will auto answer the incoming calls when the caller is in WhiteList.

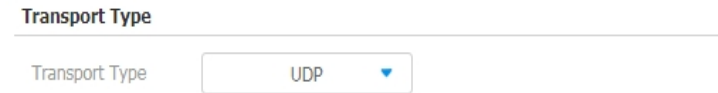


Figure 3.6.7 Transport type

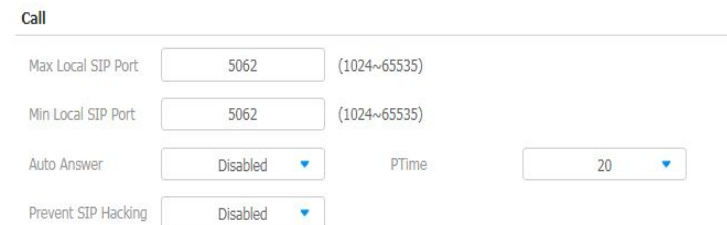


Figure 3.6.8-1 Auto answer switch



Figure 3.6.8-2 Whitelist setting

**Device Location:** To enter the device name/location.

**SIP/IP:** To enter the SIP/IP number of the corresponding devices.

**Auto Answer WhiteList:** To display the SIP/IP number stored in IT82X white list.

**Note:** WhiteList takes effect both SIP account and IP address.

Auto Answer WhiteList

Index	Device Location	SIP/IP
1	Lobby R295	1006
2		

Figure 3.6.8-3 Whitelist setting display

### 3.6.9. Assistance call

Assistance call is used to call out the emergency numbers in loop time when users need help. Users could choose to display SOS on the home/more page, please refer to chapter 3.4.10.2 about the feature display setting.

**Call Number:** to setup 3 SOS numbers. Once users press SOS key on the home page (SOS display key shall be set on the web manually), the phone will call out the number in order.

**Call Timeout:** Setup the timeout for each number. Once users 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.

Call Number1	11
Call Number2	22
Call Number3	33
Call Timeout	5s
Loop Time	1

Figure 3.6.9 SOS call

### 3.6.10. Multicast

Multicast function could only be applied among indoor monitors. After configuration on the web portal, users could tap **All Call** on the home page of the device to make a call.

On the web portal, go to **Phone - Multicast**.

**Multicast Setting:** To set the IT82X indoor monitor in one of the groups or disable this function.

**Multicast List:** To fill in the parameters of multicast group. IT82x 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. IT82X monitor will receive multicast calls if some indoor monitor calls the listen group.

**Label:** To show the label name on the calling interface if users establish all call.

**Multicast Setting**

Multicast Group

Figure 3.6.10-1 Multicast group

**Multicast List**

Multicast Group	Multicast Address
Multicast Group	<input type="text" value="224.1.6.11:51230"/>
Multicast Group	<input type="text" value="224.1.6.11:51231"/>
Multicast Group	<input type="text" value="224.1.6.11:51232"/>

Figure 3.6.10-2 Multicast group

**Listen List**

Listen Group	Listening Address	Label
Listen Group	<input type="text" value="224.1.6.11:51230"/>	<input type="text" value="Test_All Call"/>

Figure 3.6.10-3 Multicast address setting



## 3.7. Security

### 3.7.1. Monitor Settings

Monitor will help users to check real-time video of the surrounding environment of house. On the device, go to **More - Settings - More - Monitor**.

**Number:** To enter the IP address/SIP number of the corresponding camera. Then enter the RTSP or ONVIF URL of the door phone or IP camera.

**Doorphone ID/Device Name:** To enter the ID number of doorphone, which could be set by users.

**RTSP Address/Destination URL:** To set the RTSP URL for the door phone. The RTSP format of Akuvox door phone is **rtsp://device IP/live/ch00\_0**.

**User Name:** To enter the user name if required.

**Password:** To enter the password if required.

On the web portal **Phone - Monitor**, users can also setup the monitor information.

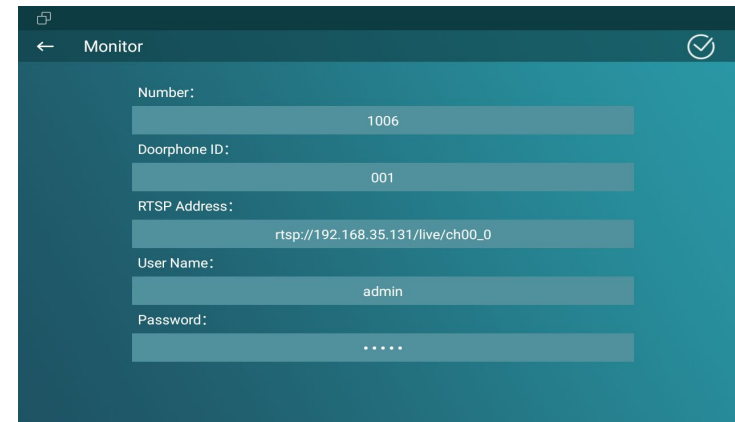


Figure 3.7.1-1 Live view

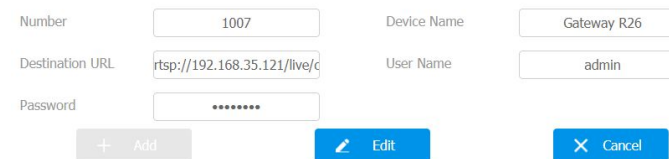


Figure 3.7.1-2 Live view in web

Door Phone

Index	Number	Name	URL	User Name
1	1007	Gateway R26	rtsp://192.168.35.121/live/ch00_0	admin

Figure 3.7.1-3 Live view in web

## 3.8. Access control

### 3.8.1. Local Relay

IT82X Monitor has NO/NC/COM three terminals which supports to connect locks by itself.

Go to **Phone - Relay** to setup the DTMF code of local relay in website. Users can press the **Unlock** key during the talking .

**Relay Delay:** To set the delay time for local Relay.

**Relay Type:** There are two relay type. “Open Door” means when press the unlock icon, it will open the local relay. “Chime Bell” means when there is a call, the chime bell will ring.

**Note:** This chime bell need to external connection.

**Status:** To enable or disable the softkey in talking page.

**Display Name:** To modify the display name of unlock icons in talking page.

**Relay:** To set the relay type, including local relay 1/2, remote relay HTTP, remote relay DTMF1/2/3 and webrelay action.(For

Local Relay1  
Relay Delay(sec) 3 Relay Type Open Door

Local Relay2  
Relay Delay(sec) 3 Relay Type Open Door

Figure 3.8.1-1 Local relay setting

Softkey In Talking Page

	Status	Display Name	Relay
Key 0	Enabled	Unlock1	Local Relay 1
Key 1	Enabled	Unlock2	Local Relay 2
Key 2	Enabled	Unlock3	Remote Relay DTMF1

Figure 3.8.1-2 Relay

configuration of remote relay HTTP and webrelay action, please refer to chapter 4.3)

### 3.8.2. Remote Relay

IT82X Indoor Monitor can use the unlock key during the talking to open the door in doorphone's site. Users need to setup the same DTMF code in the door phone and indoor monitor.

**Remote Relay:** To set DTMF code for remote relay, which is # by default.

### 3.8.3. Reboot

On the device, go to **More - Settings - Reboot**.

- Click the **Reboot** icon to reboot the device.

One the web portal **Upgrade - Basic - Reboot**, users can also reboot the device.

Remote Relay

DTMF code1

DTMF code2

DTMF code3

Figure 3.8.2 Rmoter relay setting

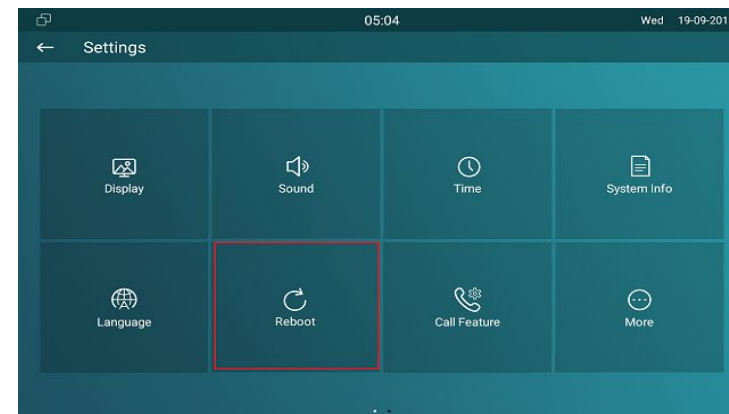


Figure 3.8.3-1 Reboot

Reboot

Figure 3.8.3-2 Web reboot

### 3.8.4. Reset

On the device, go to **More - Settings - More**.

**Reset To Factory Setting:**Reset all data to factory settings.

**Reset Config To Factory Setting:**Reset all configurations (in the directory /data/data/config) which only be used by IT82X to factory settings. But like 3rd party application which you installed, contacts which you added, such kind of data will not be reset.

On the web portal **Upgrade - Basic**, users can also restore the device.

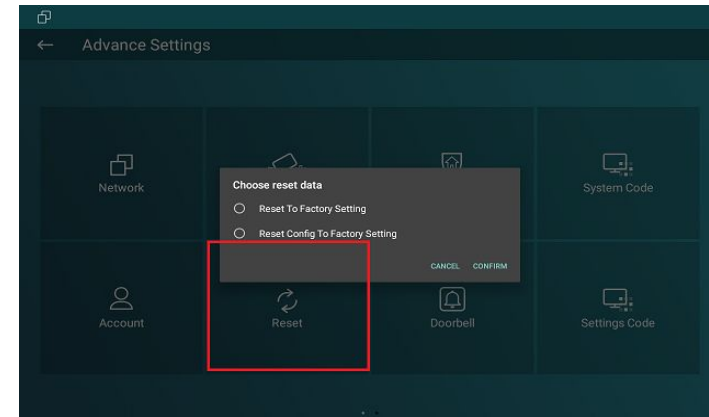


Figure 3.8.4-1 Reset

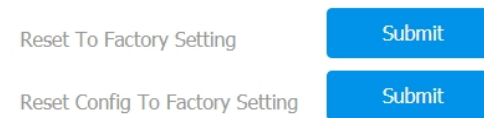


Figure 3.8.4-2 Web reboot

## 4. Advanced Features

### 4.1. Phone Configuration

#### 4.1.1. Installing Custom APK

Users could choose to display **Custom APK** (the 3rd party Android app) on the home/more page, which provides users easier access to their own application. On the web portal, **Upgrade - Key/Display**.

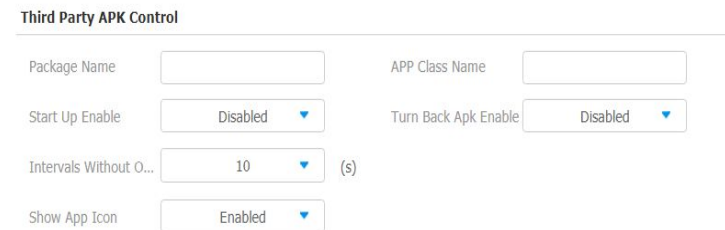
**Package Name:** To fill in the package name of APK. (For example: com.akuvox.mobile.smartplus).

**APP Class Name:** To fill in the class name of APK. (For example: .com.akuvox.mobile.module.main.view.SplashActivity).

**Start Up Enable:** To choose whether APK should start up automatically at boot.

**Turn Back Apk Enable:** To choose whether turn back APK without operating for some interval.

**Intervals Without Operating:** To choose how much time to turn back APK without operating.



Third Party APK Control

Package Name	<input type="text"/>	APP Class Name	<input type="text"/>
Start Up Enable	Disabled ▼	Turn Back Apk Enable	Disabled ▼
Intervals Without O...	10 ▼	(s)	
Show App Icon	Enabled ▼		

Figure 4.1.1-1 Install APK

**Show App Icon:** To choose whether to show App icon on the home interface or not.

**Note:** If users want to show App icon on the home/more interface, Please refer to chapter 3.4.10.2 about the feature display setting.

### 4.1.2. Discovery setting

If Discovery mode is adopted, there is no management center and users don't need to configure the devices by themselves; IT82X Monitor will scan automatically all types of the devices on the same discovery node and door/stair phones on the upper discovery node to connect them as an integration.

On the device, go to **More - Settings - More** to configure the discovery mode and location name. **Discovery Node/Device Address:** To indicate the locations of the device; (For example, device address 1.1.1.1.1 means that this device is located in Community 1, Building 1, Unit 1, Floor 1, Room 1).

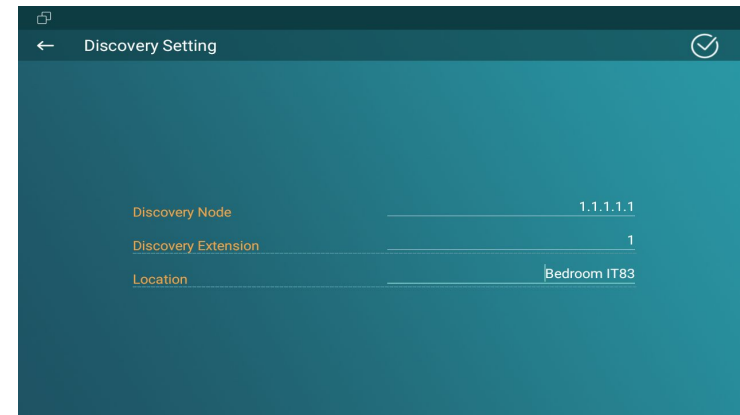


Figure 4.1.2-1 Discovery setting



Figure 4.1.2-2 Discovery setting in web

**Discovery Extension/Device Extension:** To display the extension number of the device.

**Location/Device Location:** To enter the name/location to distinguish devices from each other.

On the web porta **Network - Advanced**, users can also make change to the device connecting node.

## 4.2. Intercom

### 4.2.1. Call Forwarding

On the device, go to **More - Settings - Call Feature**.

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

**Always forward:** All the incoming calls will be forwarded unconditionally to a specified number.

**Busy Forward:** The incoming calls will be forwarded to a specified number when the phone is busy.

**No answer Forward:** The incoming calls will be forwarded to a specified number when the ring tone is time out without answer.

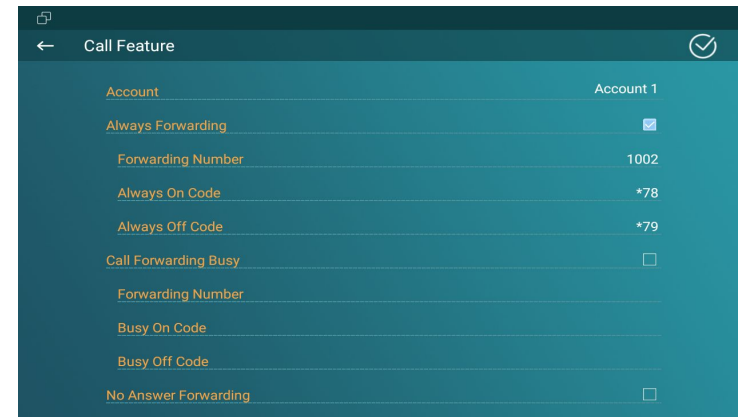


Figure 4.2.1-1 Call forwarding

**Always/Busy/No answer Forward:** Tick which forward users want to setup.

**Forwarding Number:** Enter the target numbers which users want to forward.

**On/off Code:** The code used to turn on/off forward feature on server's side, if configured, the phone will send a SIP message to server to turn on/off forward feature on server side if users press forward when forward feature is off/on.

On the web portal, go to **Phone - Call Feature**, users can also setup it.

## 4.2.2. Intercom

**Intercom:** To allow users establishing a call directly with the callee.

**Active:** To enable or disable Intercom function.

**Intercom Mute:** To eliminate the voice of the callee if enabled.

**Intercom Preview:** To enable preview function.

Forward Transfer

Always Forward	Disabled	Target Number	
Busy Forward	Disabled	Target Number	
No Answer Forward	Disabled	No Answer Ring Time	30
Target Number			

Figure 4.2.1-2 Web Forward

Intercom

Active	Enabled	Intercom Mute	Disabled
Intercom Preview	Disabled		

Figure 4.2.2 Intercom



### 4.2.3. Subscribe

On the web portal, go to **Account - Advanced - Subscribe**.

**Subscribe:** To display and configure MWI, subscription settings.

**MWI Subscribe:** To enable or disable message waiting indicator function.

**MWI Subscribe Period:** To setup the time of MWI function.

**Voice Mail Number:** To fill in the voice mail number.



**Subscribe**

MWI Subscribe: Disabled

MWI Subscribe Period: 1800 (120~65535s)

Voice Mail Number:

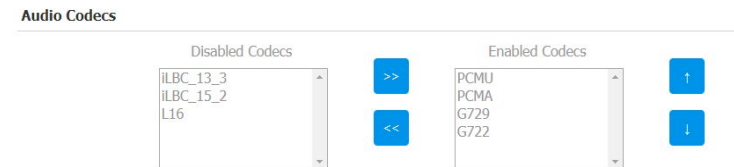
BLF Expire: 1800 (120~65535s)

Figure 4.2.3 Subscribe

### 4.2.4. Audio Codec

On the web portal, go to **Account - Advanced - Audio Codes**.

**Audio Codecs:** To configure the disabled codecs and enabled codecs by pressing the corresponding buttons; codec means coder-decoder which is used to transfer analog signal to digital signal or vice versa.



**Audio Codes**

Disabled Codecs: iLBC\_13\_3, iLBC\_15\_2, L16

Enabled Codecs: PCMU, PCMA, G729, G722

Figure 4.2.4 Audio codes

### 4.2.5. Video Codec

On the web portal, go to **Account - Advanced - Video Codes/Video code**.

**Video Codec:** To configure the disabled codecs and enabled codecs by pressing the corresponding buttons.

**Codec Resolution:** To adjust the resolutions for different video codecs.

**Codec Bitrate:** To adjust the bitrate for different video codecs.

**Codec Payload:** To adjust the codec payload for video codec.

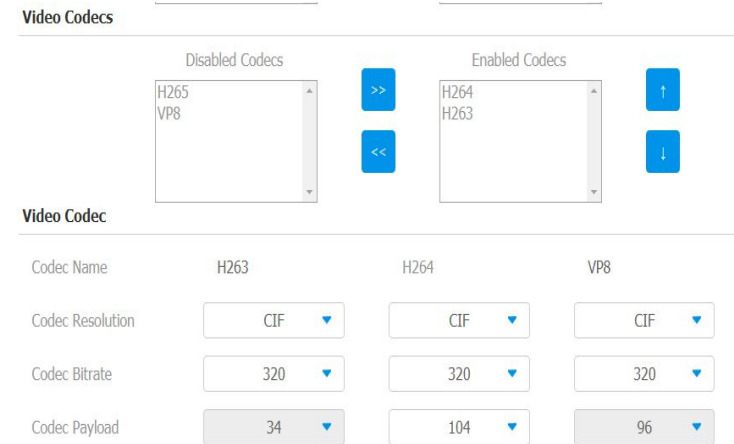


Figure 4.2.5 Video codec

### 4.2.6. NAT

On the web portal, go to **Account - Advanced - NAT**.

**UDP Keep Alive Message:** To send UDP keep alive message periodically to router to keep NAT port alive if enabled.

**UDP Alive Msg Interval:** To Keep alive message interval.

**RPort (Remote Port):** To add Remote Port in to outgoing SIP message for designated account if enabled.

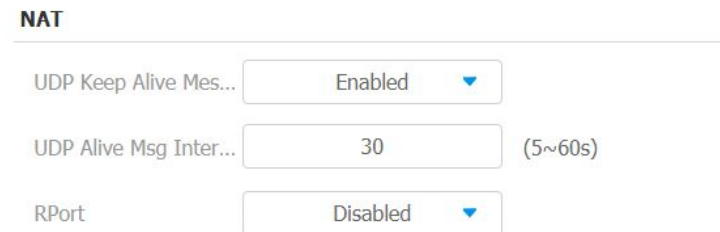


Figure 4.2.6 NAT

## 4.2.7. User Agent

On the web portal, go to **Account - Advanced - User Agent**.

**User Agent:** To customize user agent field in the SIP message; If user agent is set to specific value, users could see the information from SIP message. If user agent is not set by default, users could see the company name, model number and firmware version from SIP message.

## 4.2.8. DTMF

On the web portal, go to **Account - Advanced - DTMF**.

**DTMF:** To configure RTP audio video profile for DTMF and its payload type.

**Type:** Support Inband, Info, RFC2833 or their combination.

**How To Notify DTMF:** Only available when DTMF Type is Info.

**DTMF Payload:** To configure payload type for DTMF.

### User Agent

User Agent

Akuvox

Figure 4.2.7 User agent

### DTMF

Type

RFC2833

How To Notify DTMF

Disabled

DTMF Payload

101

(96~127)

Figure 4.2.8 DTMF

## 4.2.9. Encryption

On the web portal, go to **Account - Advanced - Encryption**.

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

## 4.2.10. Call Related

On the web portal, go to **Account - Advanced - Call**.

**Max/Min Local Sip Port:** To configure maximum / minimum local SIP port for designated account.

**PTime:** Interval time between two consecutive RTP packets.

**Prevent SIP Hacking:** Enable to prevent SIP from hacking in the Internet.

### Encryption

Voice Encryption(SRTP)

Figure 4.2.9-1 Encryption

### Call

Max Local SIP Port	<input type="text" value="5062"/>	(1024~65535)
Min Local SIP Port	<input type="text" value="5062"/>	(1024~65535)
Auto Answer	<input type="text" value="Disabled"/>	PTime <input type="text" value="20"/>
Prevent SIP Hacking	<input type="text" value="Disabled"/>	

Figure 4.2.10 Call related

### 4.2.11. Remote Control

On the web portal, go to **Phone - Call feature - Remote Control**.

**Remote Control** could allow specific host to interact with IT82X by sending HTTP or HTTPS requests. The specific action could be answering an incoming call, hangup an ongoing call and so on.

**Allowed Access IP List:** To configure the IP address of allowed host.

#### Remote Control

Allowed Access IP List

Figure 4.2.11 Remote control

### 4.2.12. Session Time Out

On the web portal, go to **Security - Basic - Session Time Out** to configure.

**Session Time Out:** To set the time out value, the ongoing call will be disconnected automatically if session time out.

#### Session Time Out

Session Time Out V...  (60~14400s)

Figure 4.2.12 Session time out

## 4.3. Access Control

### 4.3.1. Web Relay

On the web portal, go to **Phone - Relay - Web Relay/Web Relay Action Setting**.

**IP Address:** To fill in the IP address of the device.

**UserName:** To fill in the user name of the web relay.

**Password:** To fill in the password of the web relay.

**IP/SIP:** To configure the device IP/SIP, which calling with IT82X.

**Web Relay Action:** To configure the action text, you can check this command through the PCAP.

On the web portal, go to **Phone - Relay - Softkey In Monitor Page**.

**Status:** To enable or disable the softkey in monitor page.

**Display Name:** To modify the Display name of unlock icons in monitor page.

**Relay:** To set the relay type, including webrelay action and remote relay HTTP.

**Web Relay**

IP Address: 192.168.16.104      UserName: admin

Password: .....

**Web Relay Action Setting**

Action ID	IP/SIP	Web Relay Action
Action ID 01	192.168.16.104	Gateway action

Figure 4.3.1-1 Web relay

3 0.200887	192.168.16.127	192.168.16.116	HTTP	127 HTTP/1.1 200 OK (text/html)
5 1.193088	192.168.16.116	192.168.16.127	HTTP	531 GET /fcgi/do?id=800Operation=GetDivContent&DivName=divPCAPStatus&_t=154650
9 1.401645	192.168.16.127	192.168.16.116	HTTP	128 HTTP/1.1 200 OK (text/html)
249 9.492643	192.168.16.127	192.168.16.104	HTTP	123 GET /Gateway.action HTTP/1.0

Figure 4.3.1-2 Web relay action

**Softkey In Monitor Page**

Status: Enabled      Display Name: Unlock      Relay: WebRelay Action

**Remote Relay By HTTP**

Remote Relay HTTP: WebRelay Action

Figure 4.3.1-3 Softkey in monitor page

### 4.3.2. Remote Relay by HTTP

On the web portal, go to **Phone - Relay - Remote Relay By HTTP**.  
**Remote Relay By HTTP:** To configure the parameters to trigger a certain remote relay of door phone by sending http message, which also requires the configurations on door phone.

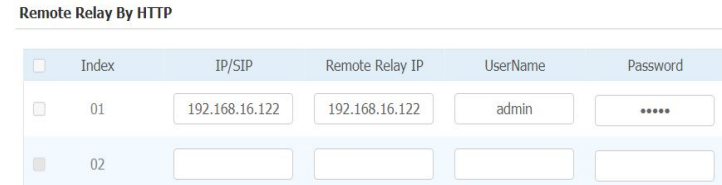


Figure 3.9-1 Remote relay by HTTP

## 4.4. Security

### 4.4.1. Arming Zone Setting

On the device, go to **More - Settings - More - Arming**.  
Arming function is very useful for home safety. IT82X monitor supports 8 zones (one IO terminal for each zone) to connect different alarm detection devices for different zones. IT82X monitor does not provide the power for detection devices, connecting the GND and IOX terminal (for example, enable the zone 1, you need to connect IO1 and GND).

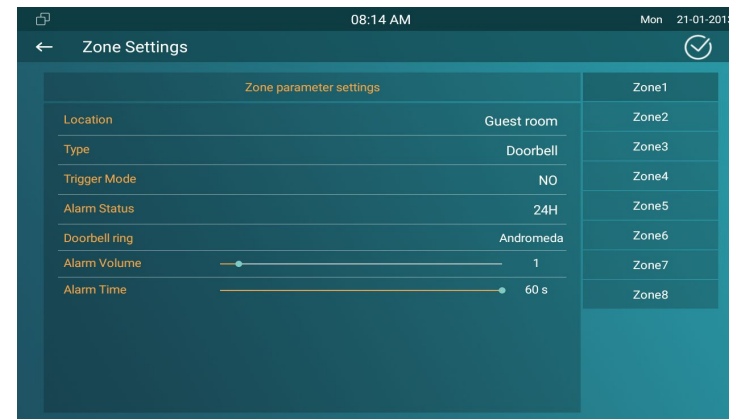


Figure 4.4.1-1 Zone setting

**Location:** To select which location the detection device is in, including “Bedroom,” “Guest room,” “Hall,” “Window,” “Balcony,” “Kitchen,” “Study” and “Bathroom.”

**Type:** To select which type of detection device is, including “Infrared,” “Drmagnet,” “Smoke,” “Gas” and “Urgency.”

**Trigger Mode:** To setup triggering mode for the sensor, including NO (normal open) and NC (normal closed).

**Alarm Status:** To setup status of alarm sensor, including enable, disable and 24H.

**Note:** Disable status of detector means it cannot be triggered, 24H status means it cannot be disabled. Enable status means it depends on arming mode.

## 4.4.2. Motion Detector

Users could choose to display **Motion Detector** on the home/more page, please refer to chapter 3.4.10.2. IT82X Monitor could receive the captured motion pictures from the door phone, which requires the configurations on door phone.

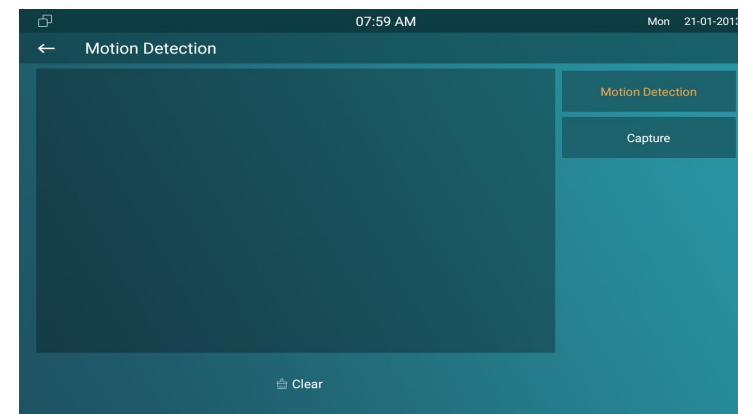


Figure 4.4.2 Motion detection



## 4.5. Upgrade

### 4.5.1. Basic Upgrade

On the web portal, go to **Upgrade - Basic**.

**Firmware Version:** To display the firmware version at present.

**Hardware Version:** To display the hardware version at present.

**Upgrade:** To select the upgrading file from PC manually.

**Submit:** To submit the upgrading file to IT82X indoor monitor.

**Cancel:** To cancel submitting the upgrading file.

### 4.5.2. Autop

Autop (Auto-Provisioning), this feature is used to configure or upgrade IT82X in batch via the support of third party servers.

To use DHCP/PNP/TFTP/FTP/HTTP/HTTPS servers to get URL, and then download firmware and/or its corresponding configuration files from servers. These configuration files and firmware will be used to update firmware and the corresponding parameters on the phone.

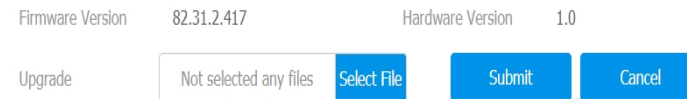


Figure 4.5.1 Basic upgrade

### 4.5.2.1. PNP Autop

**PNP (Plug and Play):** To enable or disable Plug and Play feature, which will send SIP subscription message to PNP server automatically to get Auto Provisioning server's address if enabled. By default, this SIP message is sent to multicast address 224.0.1.75 (PNP server address by standard).

### 4.5.2.2. DHCP Autop

**DHCP Option:** To use designated DHCP option to get Auto Provisioning server's address via DHCP.

### 4.5.2.3. Manual Autop

**Manual Autop:** To display and configure manual update server's settings.

**URL:** To fill in the Auto Provisioning server address.

**User Name:** To fill in the user name if server needs an username to access, otherwise left blank.

#### PNP Option

PNP Config

Figure 4.5.2.1 PNP Option

#### DHCP Option

Custom Option  (128~254)  
DHCP Option Enable  Custom Option  Option 43  Option 66

Figure 4.5.2.2 DHCP option

#### Manual Autop

URL  User Name   
Password  Common AES Key   
AES Key(MAC)

Figure 4.5.2.3 Manual autop

**Password:** To fill in the password if server needs a password to access, otherwise left blank.

**Common AES Key:** To decipher common Auto Provisioning configuration file for IP phone.

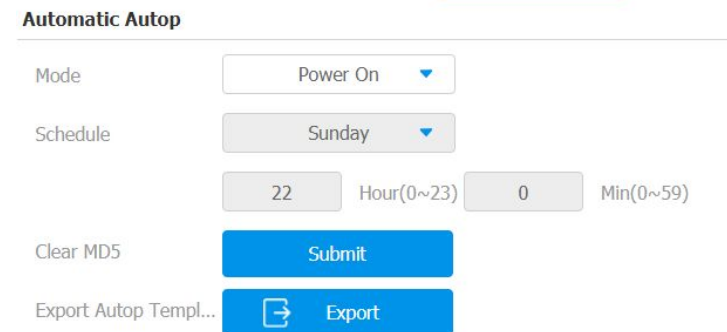
**AES Key (MAC):** Used for IP phone to decipher MAC-oriented auto provisioning configuration file (for example, file name could be 0C1105888888.cfg if IP phone's MAC address is 0C1105888888).

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

#### 4.5.2.4. Automatic Autop

**Automatic Autop:** To display and configure Auto Provisioning mode settings. It is actually self-explanatory. For example, mode "Power on" means IP phone will go to do Provisioning every time it powers on.

**Note:** Please check more details in Autop feature guide .



The screenshot shows the 'Automatic Autop' configuration page. It features a form with the following elements:

- Mode:** A dropdown menu set to 'Power On'.
- Schedule:** A dropdown menu set to 'Sunday'.
- Hour:** A text input field containing '22', with a label 'Hour(0~23)'.
- Min:** A text input field containing '0', with a label 'Min(0~59)'.
- Clear MD5:** A blue button labeled 'Submit'.
- Export Autop Templ...:** A blue button with an export icon and the label 'Export'.

Figure 4.5.2.4 Automatic autop

## 4.6. Logs

### 4.6.1. Call log

On the web portal, go to **PhoneBook - Call Log**. Users are able to view all / dialed / received / missed / forwarded calls.

**Call History:** To select which kind of calls users want to view, including “Dialed,” “Received,” “Missed” and “Forwarded.”

**Export:** To export the call log.

### 4.6.2. System Log

On the web portal, go to **Upgrade - Advanced**, system log provides a professional method for administrator to debug .

**System Log:** To display system log level and export system log file.

**Log level:** To adjust the system log level, which ranges from 0 to 7 and is 3 by default. The higher level means the more specific system log is saved to a temporary file.

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

**Remote System Log:** To enable/disable remote system log.

Index	Type	Date	Time	Local Identity	Name	Number
<input type="checkbox"/> 1	Dialed	2019-01-03	08:48:46	192.168.16.1 27@192.168.1 6.127	192.168.16.104	<a href="#">192.168.16.1</a> <a href="#">04@192.168.1</a> <a href="#">6.104</a>
<input type="checkbox"/> 2	Dialed	2019-01-03	08:47:37	192.168.16.1 27@192.168.1 6.127	192.168.16.104	<a href="#">192.168.16.1</a> <a href="#">04@192.168.1</a> <a href="#">6.104</a>
<input type="checkbox"/> 3	Dialed	2019-01-03	08:46:20	192.168.16.1 27@192.168.1 6.127	192.168.16.104	<a href="#">192.168.16.1</a> <a href="#">04@192.168.1</a> <a href="#">6.104</a>
<input type="checkbox"/> 4	Received	2013-01-21	08:47:11	192.168.16.1 27@192.168.1 6.127	192.168.16.112	<a href="#">192.168.16.1</a> <a href="#">12@192.168.1</a> <a href="#">6.112</a>
<input type="checkbox"/> 5	Dialed	2013-01-21	08:40:24	192.168.16.1 27@192.168.1 6.127	192.168.16.112	<a href="#">192.168.16.1</a> <a href="#">12@192.168.1</a> <a href="#">6.112</a>
<input type="checkbox"/> 6	Dialed	2013-01-21	08:11:30	192.168.16.1 27@192.168.1 6.127	192.168.16.112	<a href="#">192.168.16.1</a> <a href="#">12@192.168.1</a> <a href="#">6.112</a>
<input type="checkbox"/> 7	Dialed	2013-01-21	08:09:48	192.168.16.1 27@192.168.1	192.168.16.112	<a href="#">192.168.16.1</a> <a href="#">12@192.168.1</a>

Figure 4.6.1 Call log

System Log

LogLevel: 3

Export Log:

Remote System Log: Disabled

Remote System Ser...

Figure 4.6.2 System log

**Remote System Server:** To input the syslog server address.

### 4.6.3. PCAP

On the web portal, go to **Upgrade - Advanced - PCAP**. PCAP is a network packet capture tool in IT82X monitor itself, which provides an efficient method to troubleshoot network problems.

**PCAP Start:** To start PCAP if users click **Start** button.

**PCAP Stop:** To stop PCAP if users click **Stop** button.

**Export:** To export the PCAP after capturing of packets.

**PCAP Auto Refresh:** To enable or disable PCAP auto refresh.

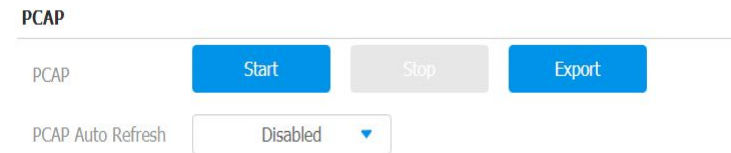


Figure 4.6.3 PCAP

## 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

**GND:** Ground

**HTTP:** Hypertext Transfer Protocol

**HTTPS:** Hypertext Transfer Protocol Secure

**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  $\mu$ -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  
**ONVIF:** Open Network Video Interface Forum

**SIP:** Session Initiation Protocol  
**SNMP:** Simple Network Management Protocol  
**STUN:** Session Traversal Utilities for NAT  
**SMTP:** 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

## 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](mailto:sales@akuvox.com)

Technical support email: [techsupport@akuvox.com](mailto:techsupport@akuvox.com)

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

**We highly appreciate your feedback about our products.**

