

# 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 properly configure the indoor monitor. It provides all functions and configurations of the product, the information detailed in this manual applicable to firmware version 82.0.2.137.rom or lower version.

- Please verify the packaging content and network status before setting.
- The old firmware may be a little different from 82.0.2.137.rom about some configurations. Please consult your administrator for more information.

## 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.**

# Content

<b>1. Product Overview</b> .....	1
1.1. Product Description.....	1
1.2. Connector Introduction.....	2
<b>2. Daily Use</b> .....	3
2.1. Making a call.....	3
2.1.1. Calling from digital keypad.....	3
2.1.2. Calling from phonebook.....	4
2.1.3. Calling from call log.....	4
2.1.4. Calling Center.....	5
2.2. Receiving a Call.....	6
2.2.1. Receive a incoming call.....	6
2.2.2. During the session.....	6
2.3. Contact.....	7
2.3.1. Group.....	7
2.3.2. Add a contact.....	7
2.3.3. Manage Contact.....	8

2.4. Status.....	9
2.4.1. Basic Status.....	9
2.4.2. Network Status.....	9
2.4.3. Account Status.....	10
2.5. Live view.....	10
2.6. Message(s).....	11
2.6.1. Create message.....	11
2.6.2. Delete message.....	12
2.7. Arming.....	12
2.7.1. Arming Mode.....	12
2.7.2. Disarm Code.....	14
2.7.3. Alarm Log.....	15
2.7.4. Zone Status.....	15
2.8. Capture.....	16
2.9. Assistance.....	16
<b>3. Settings.....</b>	<b>17</b>
3.1. Display settings.....	17

3.2. Sound settings.....	18
3.3. Time settings.....	19
3.4. Language.....	20
3.5. Reboot.....	20
3.6. Call Feature settings.....	21
3.7. Applications.....	22
3.8. Folder.....	22
<b>4. Advance Settings.....</b>	<b>23</b>
4.1. Network settings.....	23
4.2. Account settings.....	24
4.3. Arming settings.....	25
4.4. Assistance settings.....	27
4.5. Unlock code settings.....	28
4.6. System code settings.....	29
4.7. Settings code.....	29
4.8. Reset settings.....	30
<b>5. Website.....</b>	<b>31</b>

5.1. Status-Basic.....	32
5.1.1. Product Information.....	32
5.1.2. Network Information.....	32
5.1.3. Account Information.....	33
5.2. Account-Basic.....	33
5.2.1. SIP Account.....	33
5.2.2. SIP Sever 1&2.....	34
5.2.3. Outbound Proxy Server.....	35
5.2.4. Transport Type.....	35
5.2.5. NAT.....	35
5.3. Account-Advanced.....	36
5.3.1. SIP Account.....	36
5.3.2. Audio Codecs.....	36
5.3.3. Video Codecs.....	37
5.3.4. Video Codec.....	37
5.3.5. Subscribe.....	37
5.3.6. DTMF.....	38

5.3.7. Call.....	38
5.3.8. Session Timer.....	40
5.3.9. Encryption.....	40
5.3.10. NAT.....	41
5.3.11. Conference.....	41
5.3.12. User Agent.....	41
5.4. Network-Basic.....	42
5.5. Network-Advanced.....	42
5.6. Phone-Time/Lang.....	43
5.6.1. Web Language.....	43
5.6.2. NTP.....	43
5.7. Phone-Call Feature.....	44
5.7.1. Mode.....	44
5.7.2. Forward Transfer.....	44
5.7.3. DND(Do Not Disturb).....	45
5.7.4. Intercom.....	46
5.7.5. Remote Control.....	46

5.7.6. UACSTA.....	47
5.7.7. Open Lobby.....	47
5.7.8. Door Phone.....	48
5.7.9. Others.....	48
5.8. Phone-Audio.....	49
5.8.1. Echo Canceller.....	49
5.8.2. Automatical Generation Control.....	50
5.8.3. NetEQ.....	50
5.8.4. Doorbell Sound.....	51
5.9. Phone-Video.....	51
5.9.1. Media Feedback.....	51
5.9.2. H264 Settings.....	51
5.9.3. Others.....	52
5.10. Phone-Key/Display.....	53
5.10.1. Sense Key.....	53
5.10.2. Interface Display.....	53
5.11. Phone-Key/Display.....	53



5.11.1. Contact.....	53
5.11.2. Search.....	54
5.11.3. Dial.....	54
5.11.4. Contact Setting.....	54
5.11.5. Import/Export.....	55
5.12. Phonebook-Call Log.....	55
5.12.1. Call History.....	55
5.13. Upgrade-Basic.....	56
5.13.1. Upgrade-Basic.....	56
5.14. Upgrade-Advanced.....	57
5.14.1. PNP Option.....	57
5.14.2. DHCP Option.....	57
5.14.3. Manual Autop.....	58
5.14.4. Automatic AutoP.....	59
5.14.5. System Log.....	59
5.14.6. Reboot Schedule.....	60
5.14.7. PCAP.....	60

5.14.8. Others.....	61
5.15. Security-Basic.....	61
5.15.1. Web Password Modify.....	61
5.15.2. Session Time Out.....	62
5.16. Security-Advanced.....	62
5.16.1. Web Server Certificate.....	62
5.16.2. Web Server Certificate Upload.....	63
5.16.3. Client Certificate.....	63
5.16.4. Client Certificate Upload.....	63

# 1. Product Overview

## 1.1. Product Description

IT82 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.



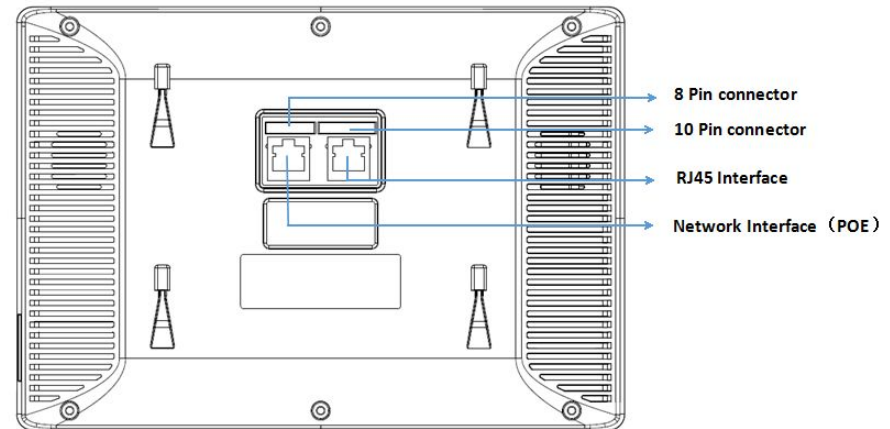
## 1.2. Connector Introduction



**8 PIN connector:** For power supply and RS485 terminal.

**10 PIN connector:** For 8 security connectors.

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

**RJ45 Interface:** RJ45 Interface connector which can provide network connection. It can share the network access from Network Interface(POE) port to other equipment or PC connection.



POE	RJ45					
		8PIN	+12V	GND	X	X
			485+	485-	NO	COM
8PIN	10PIN	10PIN	IO1~IO8	X	GND	


**Note:** 12V/1A dc from LPS or POE.

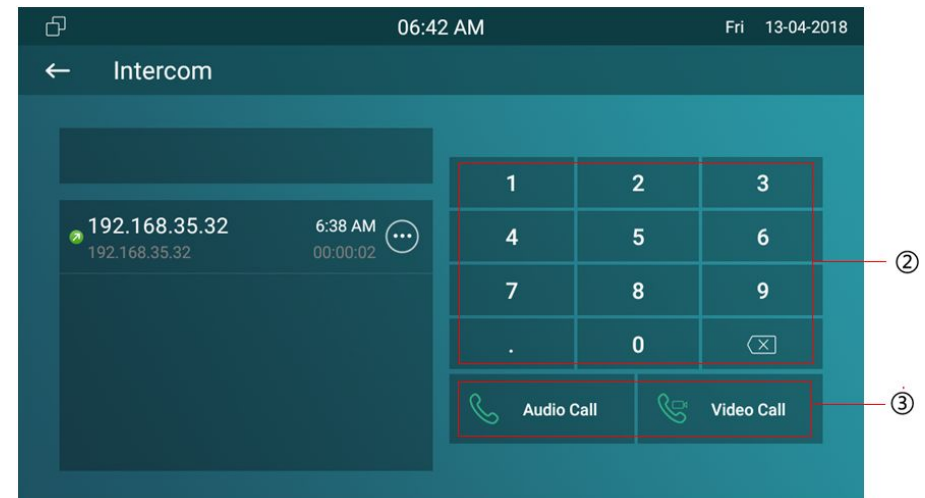
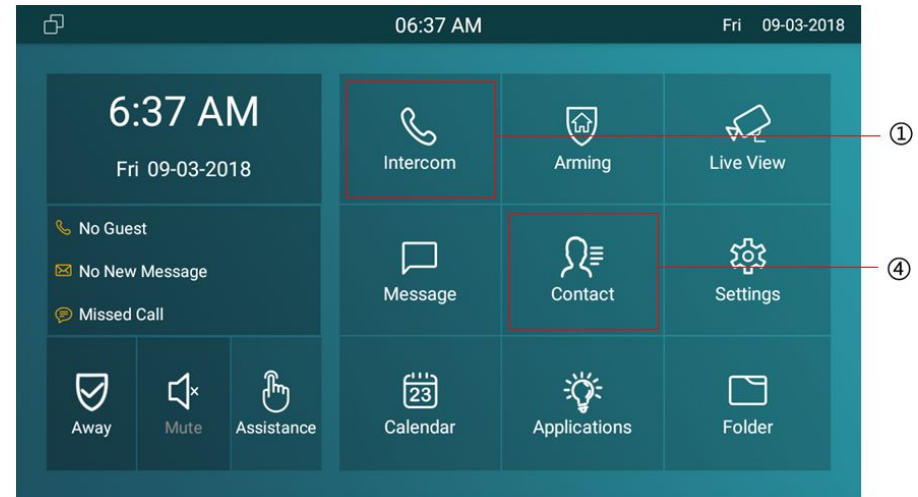
## 2. Daily Use

### 2.1. 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.

#### 2.1.1. Calling from digital keypad

- ① Tap the icon to enter the call interface. Also you can press the intercom button .
- ② Enter the number to call on the digital keypad.
- ③ Tap the dial key, you can choose audio call or video call to dial out.





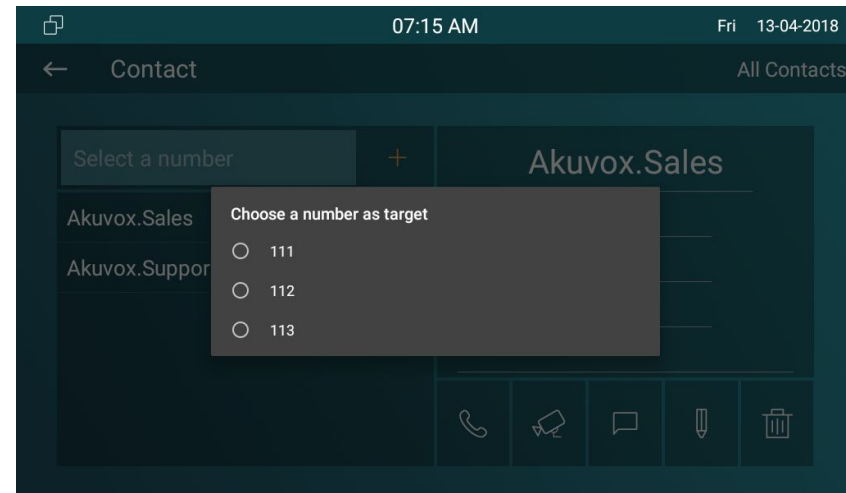
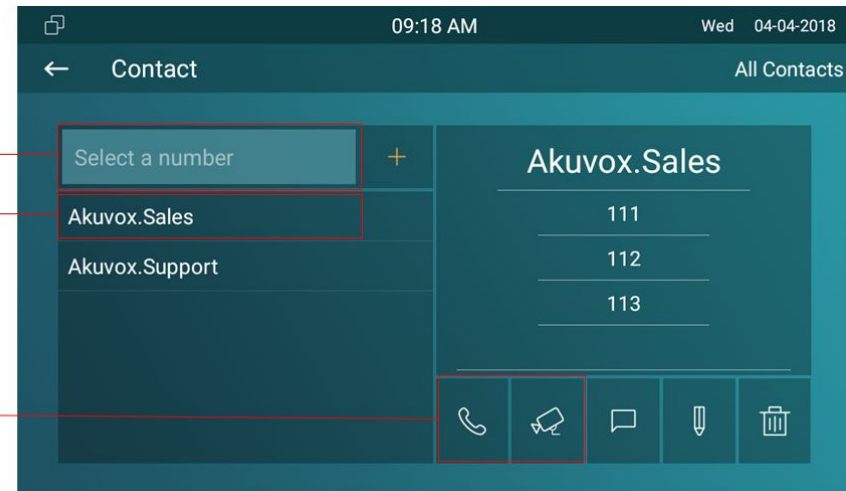
## 2.1.2. Calling from phonebook

- ④ Tap the icon to enter the phonebook.
- ⑤ Search the list by number or alphabet. IT82x supports fuzzy matching query.
- ⑥ Scroll up or down the pre-imported contact list to select contact.
- ⑦ Tap the dial key next to the contact found to dial out.

**Note:** If the contact has multiple numbers, after clicking the dial key, you need to choose the number you want to call.

## 2.1.3. Calling from call log

- ① Press the icon to enter the call log interface. Also you can tap the icon  or press the intercom button  to enter the call log interface.




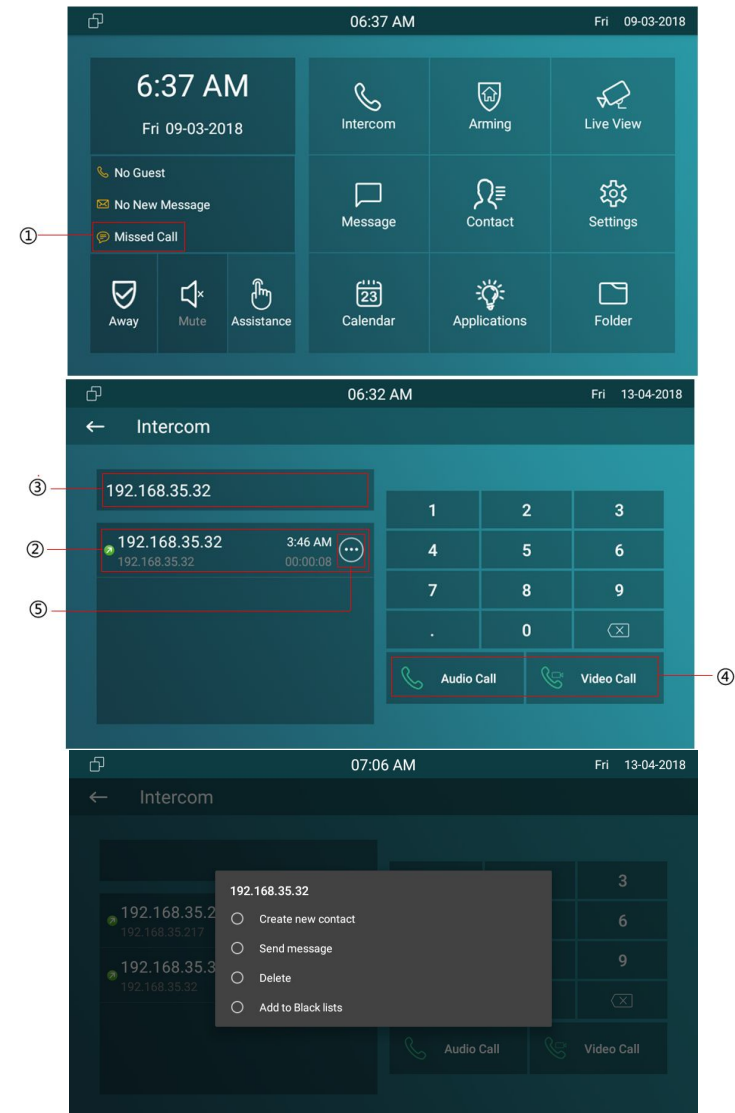
②③ You can directly slide up and down to choose the number from the call history.

④ Tap the dial key, you can choose audio call or video call to dial out.

⑤ Click to modify the log. Users can create a new contact, send the message or delete to this call log, or add this call log into Black Lists.

## 2.1.4. Calling Center

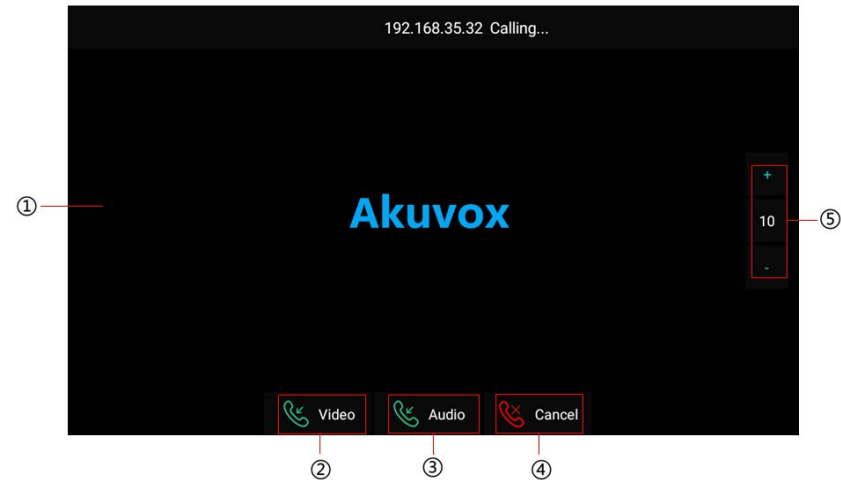
Press manage center button  to make a call out, if you want to call management center (SDMC system). This function only can be used when IT82 has registered from SDMC.



## 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 video call.
- ③ Press this icon to pick up the incoming call as a audio 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 unlock the corresponding door phone(if the call is from door phone).
- ④ Press this icon to capture the video.





- ⑤ Press this icon to mute the call.
- ⑥ Press this icon to switch the call to another call mode (audio or video).
- ⑦ Press this icon to hang up the current call.

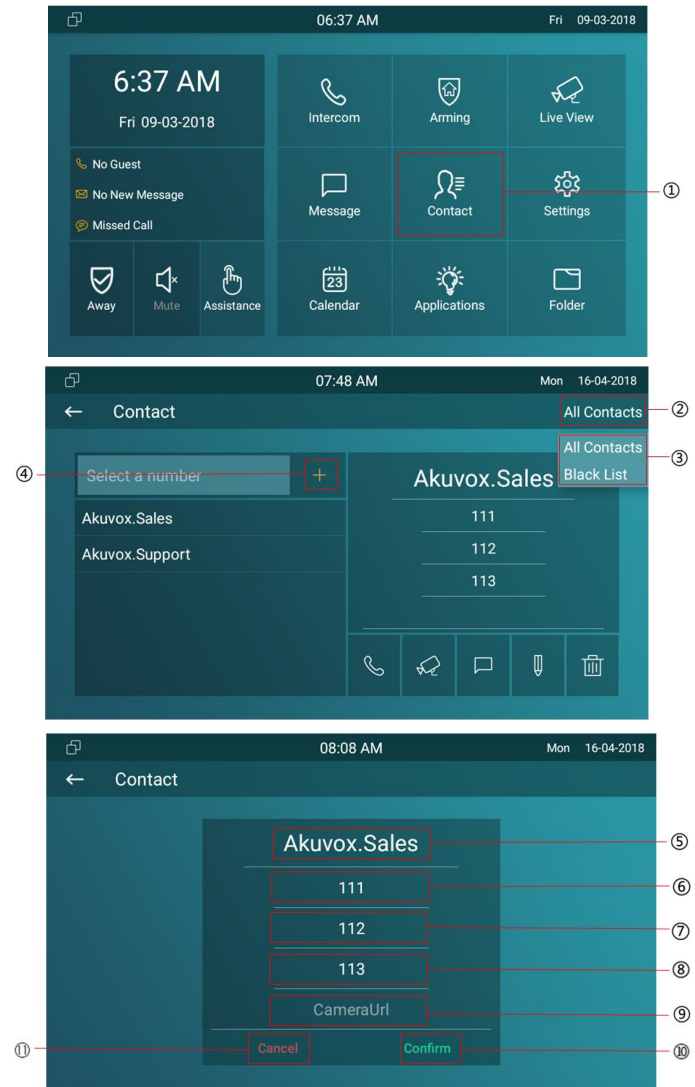
## 2.3. Contact

### 2.3.1. Group

- ① Press the icon to enter the contact interface.
- ② Press the icon to check the groups IT82 has.
- ③ IT82 has two groups-Default group and Black List. You can press the corresponding group to check the contacts.

### 2.3.2. Add a contact

- ④ Select a group. Press the icon to add a contact.
- ⑤ Type in the contact name.



- ⑥ Type in the number 1, it can be a SIP number or IP number.
- ⑦ Type in the number 2, it can be a SIP number or IP number.
- ⑧ Type in the number 3, it can be a SIP number or IP number.
- ⑨ Type in the RTSP URL of Door Phone, like *rtsp://DoorPhone's IP/live/ch00\_0*.
- ⑩ Press this icon to save the contact.
- ⑪ Press this icon to cancel the operations.

### 2.3.3. Manage Contact

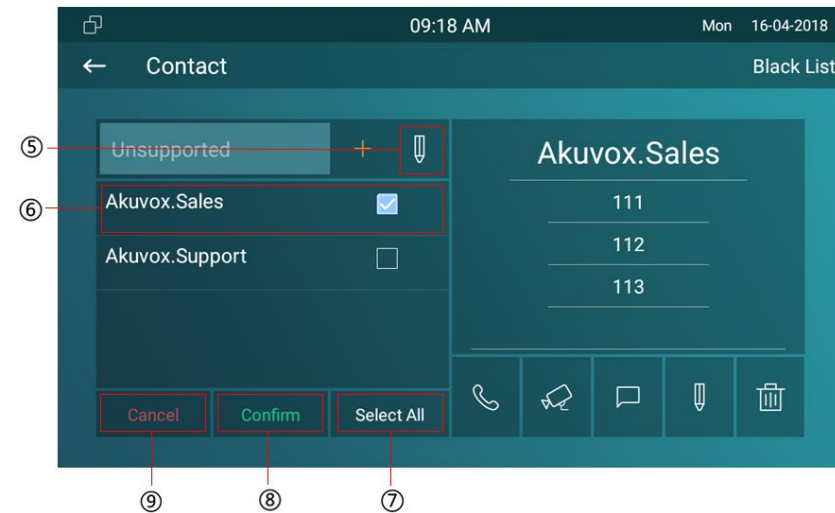
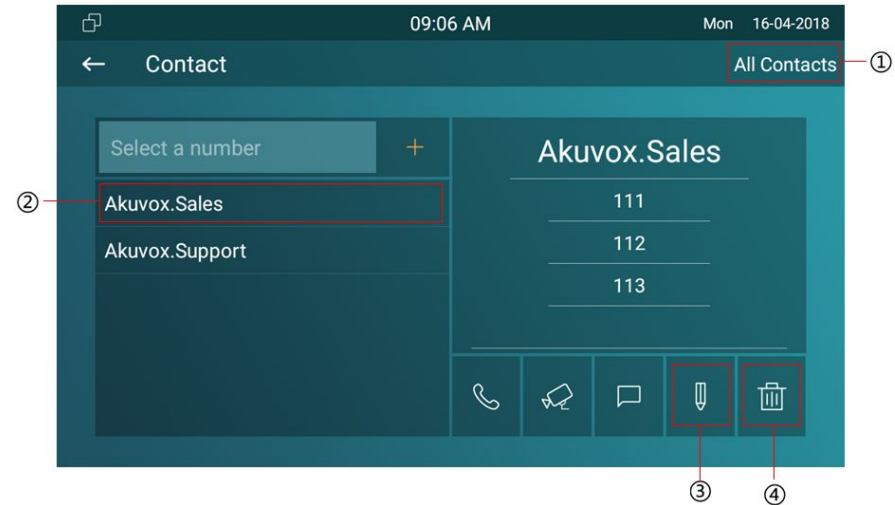
Enter the contacts interface, ① select a group, ② select a contact.

③ Press the icon to modify the selected contact.

④ Press this icon to delete the selected contact.

When you select Black List group, ⑤ press the icon to modify contacts to Black List.

⑥ Tick the needed contacts. Or ⑦ Select all contacts.



⑧ Press this icon to confirm to move the contacts to Black Lists.

⑨ Press this icon to cancel the operations.

## 2.4. Status

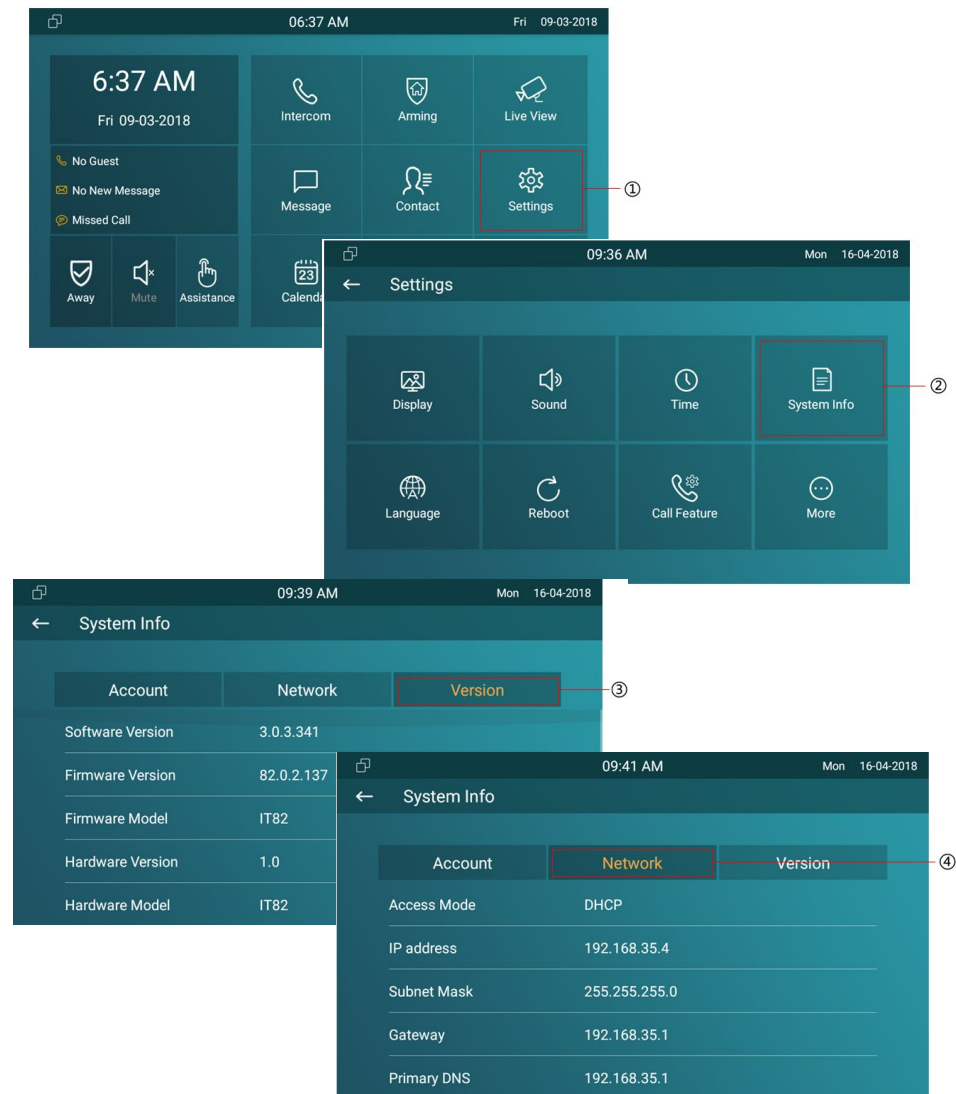
### 2.4.1. Basic Status

To check IT82x's status by ①② pressing this icon.

After entering the status interface, ③ you can press the icon to check the basic status. You can check Software version, Firmware version, Firmware Model, Hardware version and so on.

### 2.4.2. Network Status

④ Press the icon to check the network status. You can check the Access Mode, IP address, subnet mask, gateway and DNS here.



## 2.4.3. Account Status

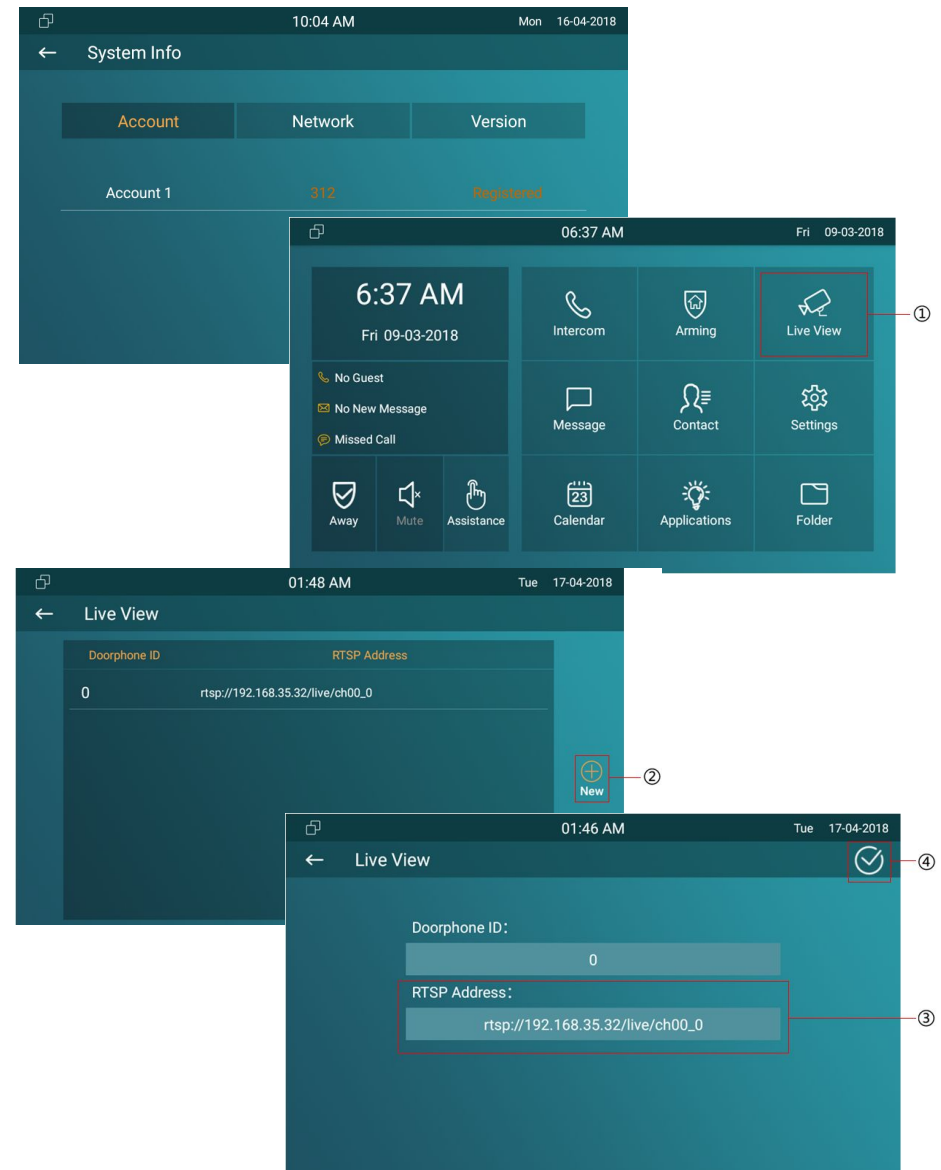
After entering the status interface, it shows the account status as default. You can check the account number and status here, registered means it works normally.

## 2.5. Live view

① Press the icon to check the live video via RTSP URL from predefined doorphone station or IPC which you set under the path "Settings-More-Live View".

After entering the Live view configuring interface, ② you can press the icon to ③④ add new RTSP URL of doorphone station or IPC, or click existed RTSP URL to edit.

**Note:** Please make sure the RTSP URL format is correct.



## 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. Create message

③ Press this line to add a new message for existed contacts directly.

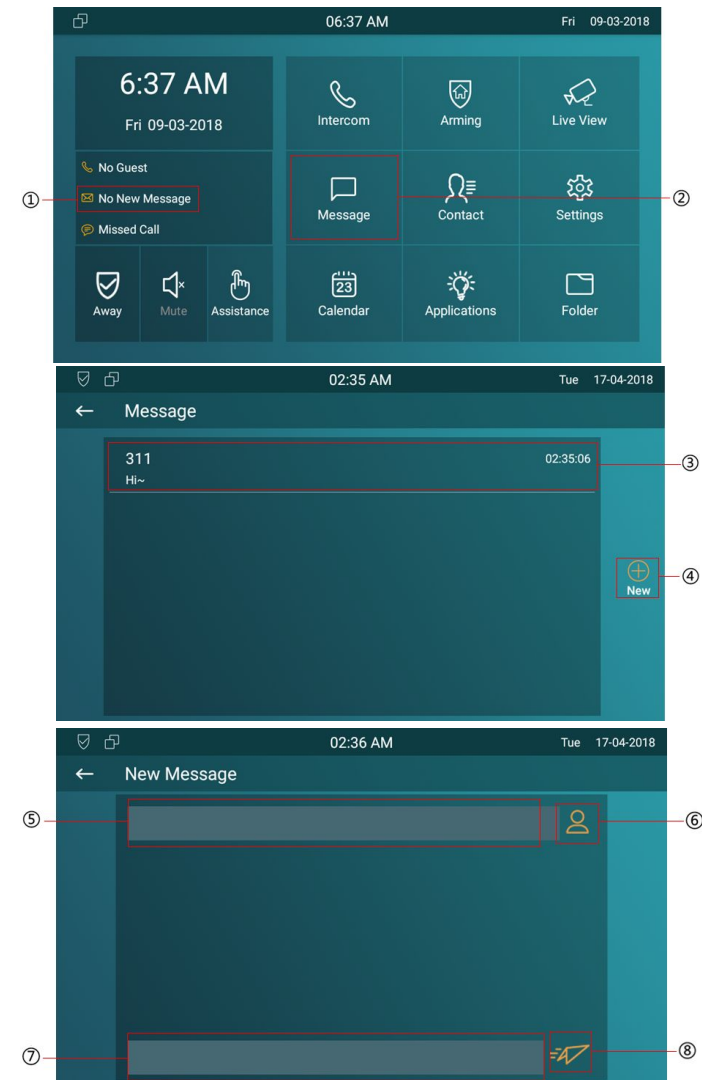
④ Press this icon to create a new message.

⑤ Press the icon to add a contact manually.

⑥ Press the icon to select existed contacts.

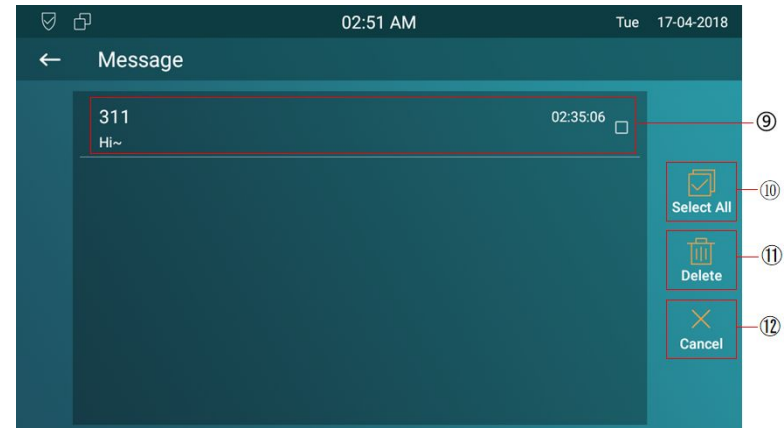
⑦ Press this line to enter the content of the message.

⑧ Press the icon to send the message.



## 2.6.2. Delete message

- ③ Long press this icon to edit messages.
- ⑨ Tick the needed messages. Or ⑩ you can select all messages.
- ⑪ Press this icon to delete messages.
- ⑫ Press the icon to cancel the operations.

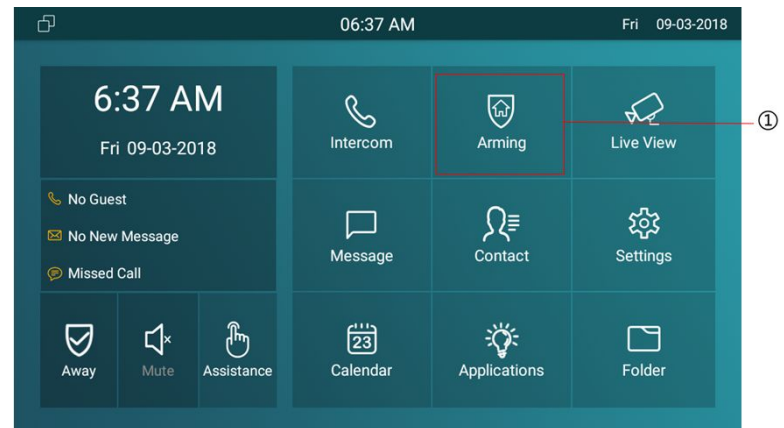


## 2.7. Arming

- ① Press the icon to enter the Arming interface.
- ② IT82x supports 4 mode, they are Home mode, Night mode, Away mode and Disarm mode.

### 2.7.1. Arming Mode

- ③ Press this icon to enter the arming mode settings interface.



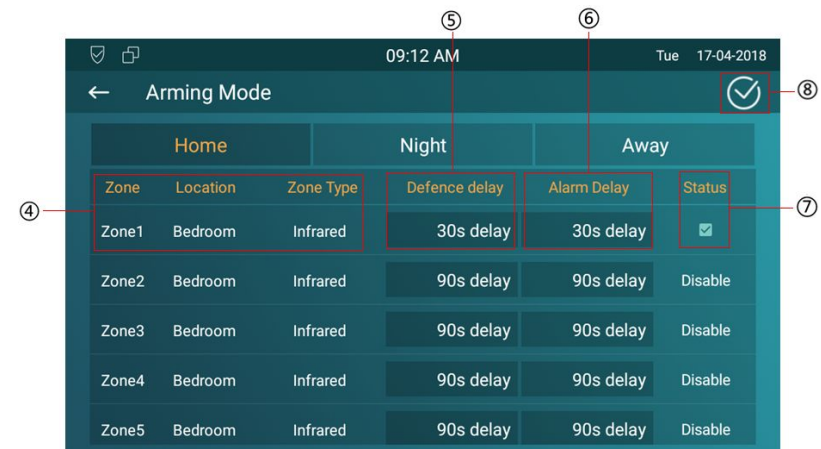
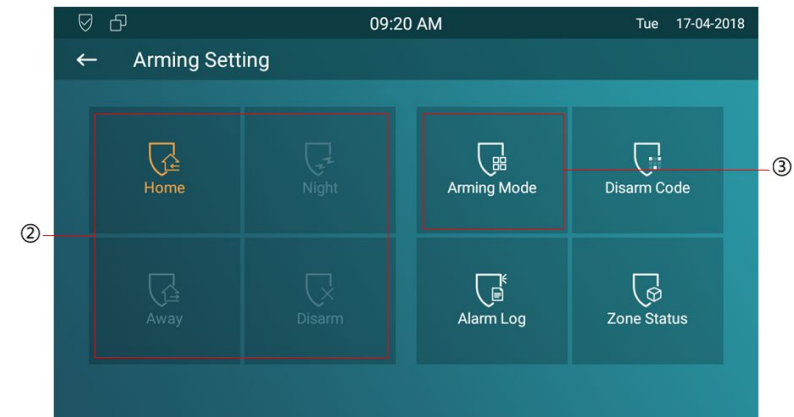
④ You can see all of the 8 zones and corresponding sensor types (slide down to check more information) in this interface.

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 30 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.

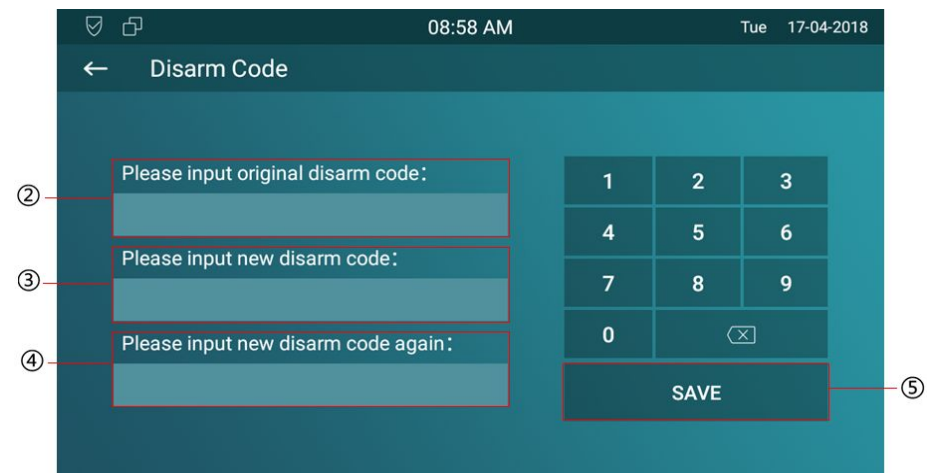
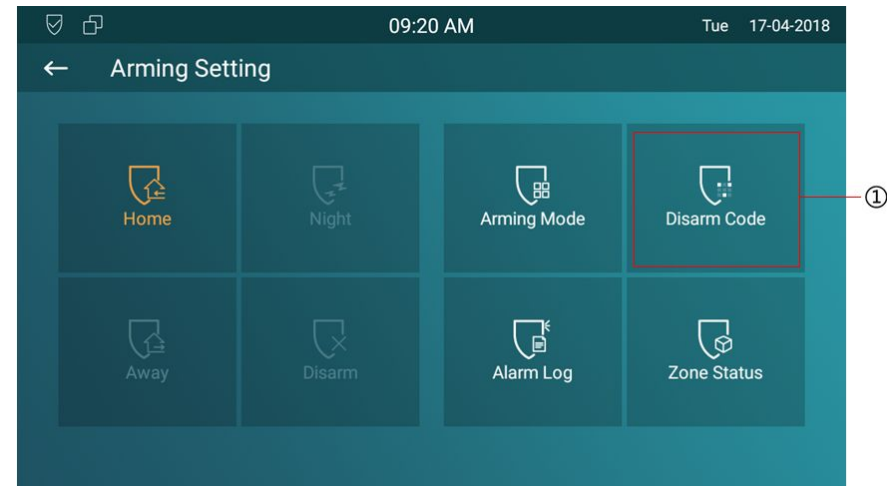
You can modify the disarm code here.

② Enter the original 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 Long press this line to edit alarm logs. Tick the selected alarm log. Or ③ Press this icon to select all alarm logs.

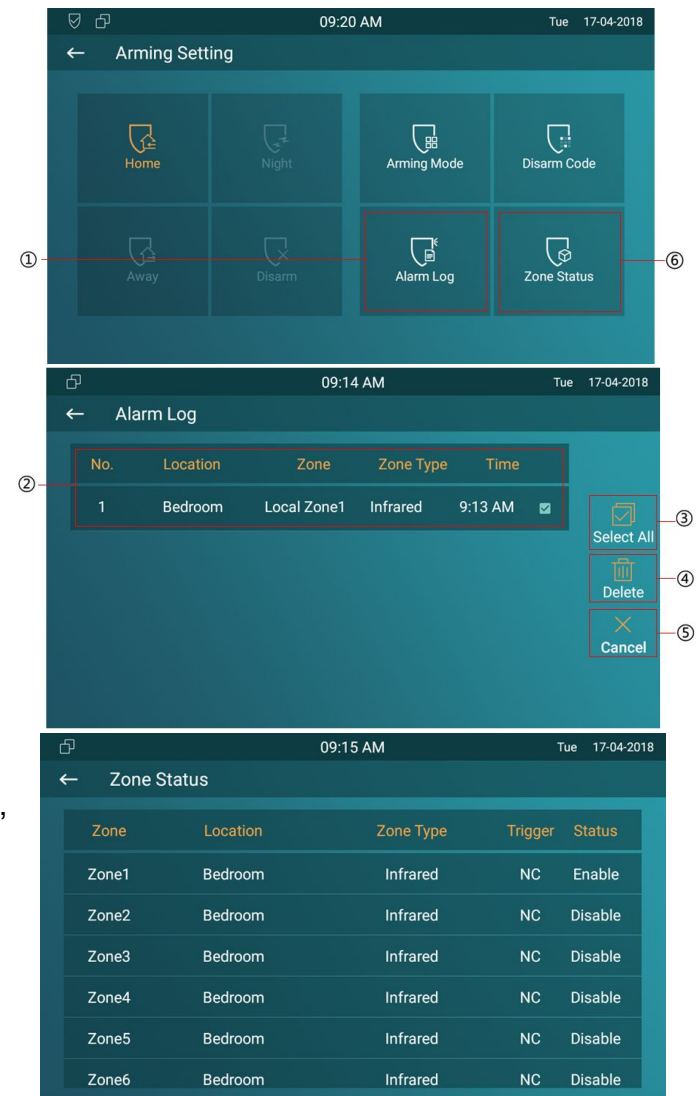
④ Press this icon to delete alarm logs.

⑤ Press this icon to cancel the operations.

## 2.7.4. Zone Status

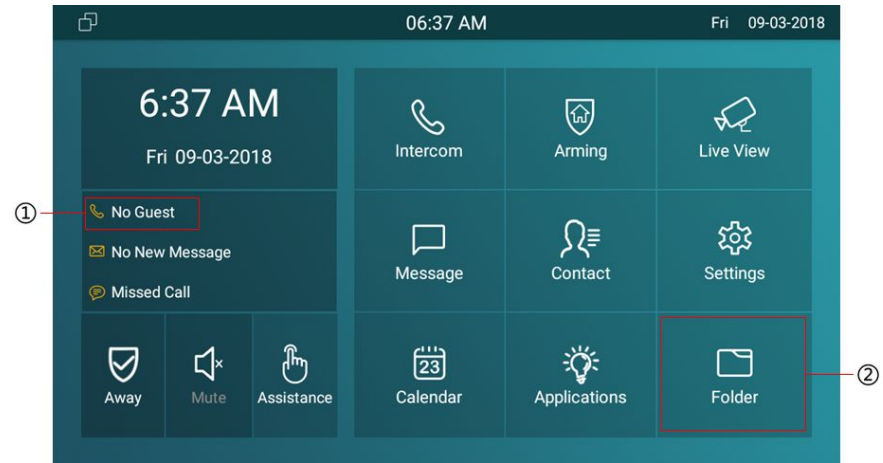
⑥ Press the icon to enter the zone status interface.

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



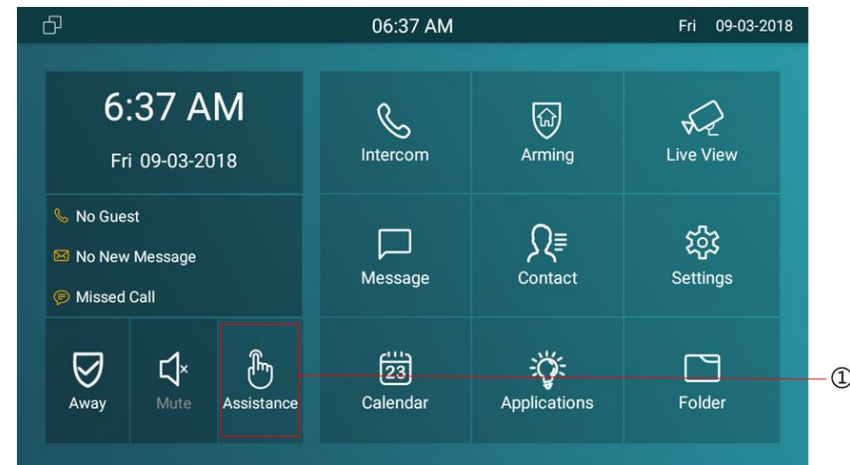
## 2.8. Capture

① Press the icon to enter the capture interface. Or ② press this icon to enter folder interface, and then click Capture to enter capture interface. IT82x supports capture the visitors photo when incoming preview. IT82x can auto capture if ringing for 3 seconds without answer.



## 2.9. Assistance

① Press the icon to call out the emergency number in case of emergency. IT82x will call out for three predefined numbers in a loop, each number will be called for 60s (by default). You can configure under the path "Settings-More-Assistance".



## 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.

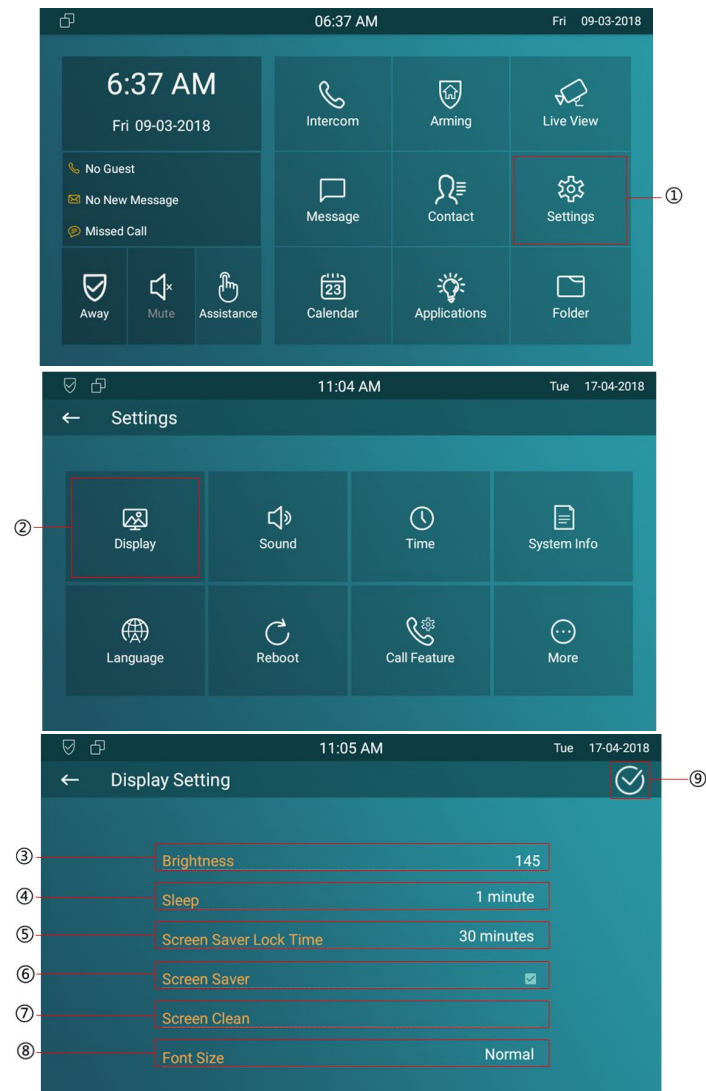
③ To adjust the brightness here, it is 145 as default. There are 255 totally, the bigger value means the lighter screen.

④ To configure the sleep mode delay, it is 1 minute as default. After the delay time without any operation, the phone will black screen. Touch it to wake up.

⑤ When it is in screen saver mode, to configure the time to make it display black screen.

⑥ To select whether to enable the screen saver.

⑦ To select whether to clean the IT82x's screen, it will keep you from misusing for 30 seconds.

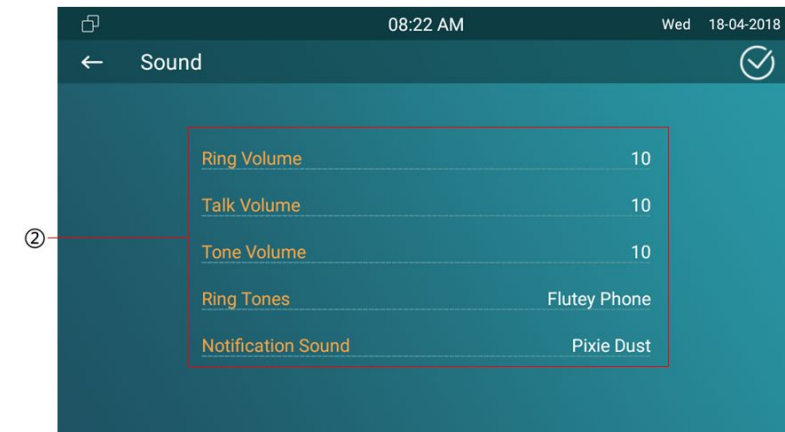
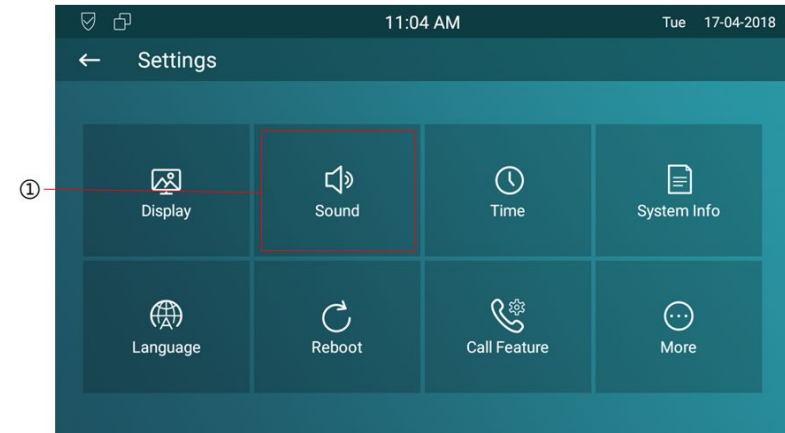


⑧ To select which size of words to display in the IT82x's screen.

## 3.2. Sound settings

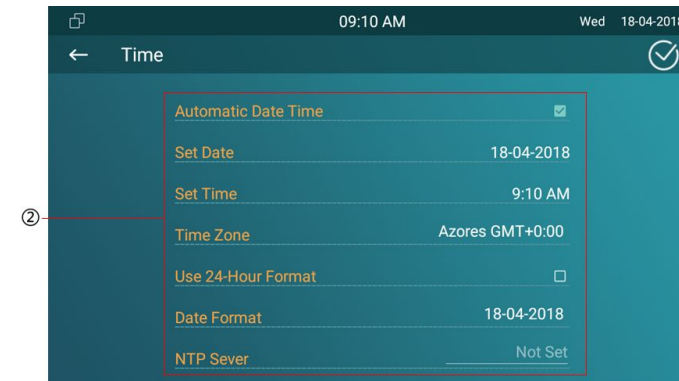
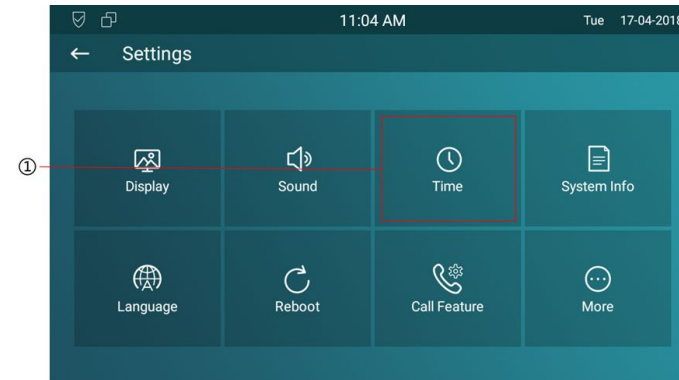
① Press this icon to enter the sound settings interface.

② You can set Ring Volume, Ring Tones for incoming call, and set the Talk Volume and Tone Volume(When IT82x dials out a call, it will prompt the 'du' sound), or set the Notification Sound(When IT82x receives messages, it will prompt).



### 3.3. Time settings

- ① By pressing this icon to enter the time settings interface.
- ② Automatic Date Time(NTP,Network Time Protocol) is enabled as default, then IT82x will get the Date and Time automatically. Also users can disable the Automatic Date Time, and set the Date and Time manually. And users can also setup NTP server. Setup a suitable Time Zone, Time format and Date Format.

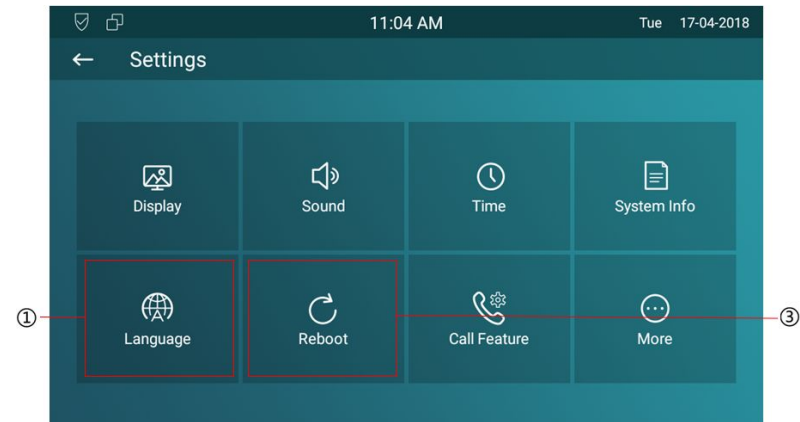


## 3.4. Language

- ① Press this icon to enter language setting interface.
- ② To select a suitable language.

## 3.5. Reboot

- ③ Press the icon to reboot IT82x, click Confirm when you see the prompt. The phone will reboot.



## 3.6. Call Feature settings

① Press this icon to enter call feature setting interface.  
② To select all accounts or needed account to have the call feature.

③④⑤ There are three types of forward: Always Forward, Busy Forward and No answer Forward.

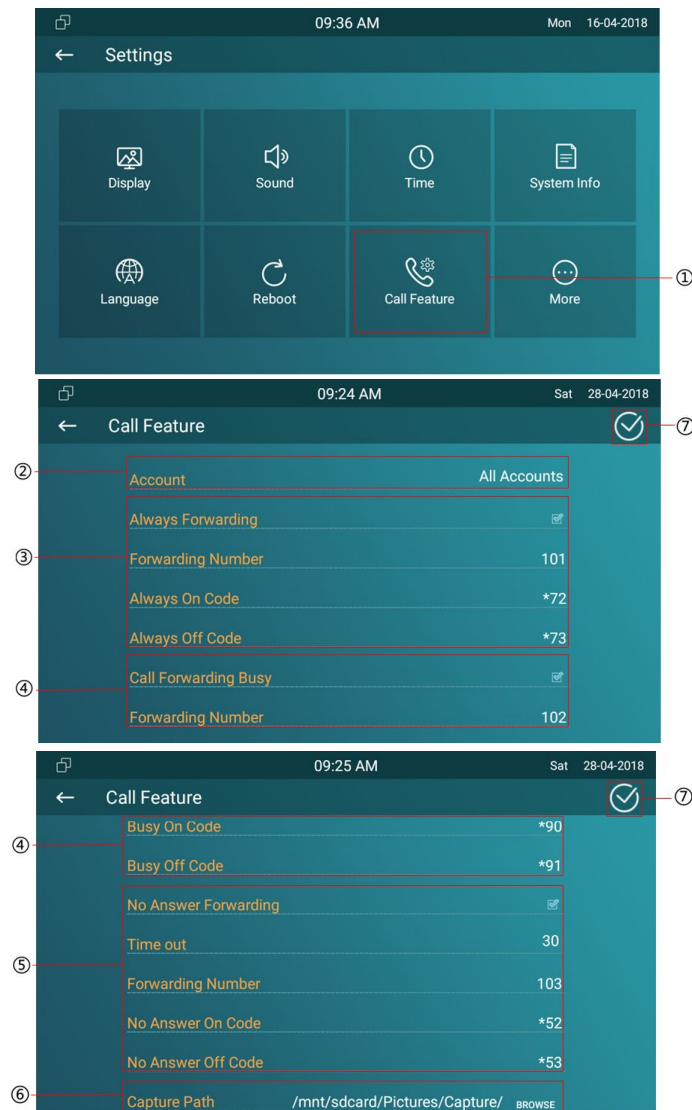
**Always Forward:** Any incoming call will be forwarded in any situation.

**Busy Forward:** Any incoming call will be forwarded if IT82 is busy.

**No Answer Forward:** Any incoming call will be forwarded if IT82 do not answer the call after a specific time.

**On/Off code:** When the corresponding forward feature is enabled/disabled, IT82 will send out the on/off code to SIP Server.

⑥ Click BROWSER icon to select the path which stored the captured pictures.



⑦ Click the icon to save the modified.

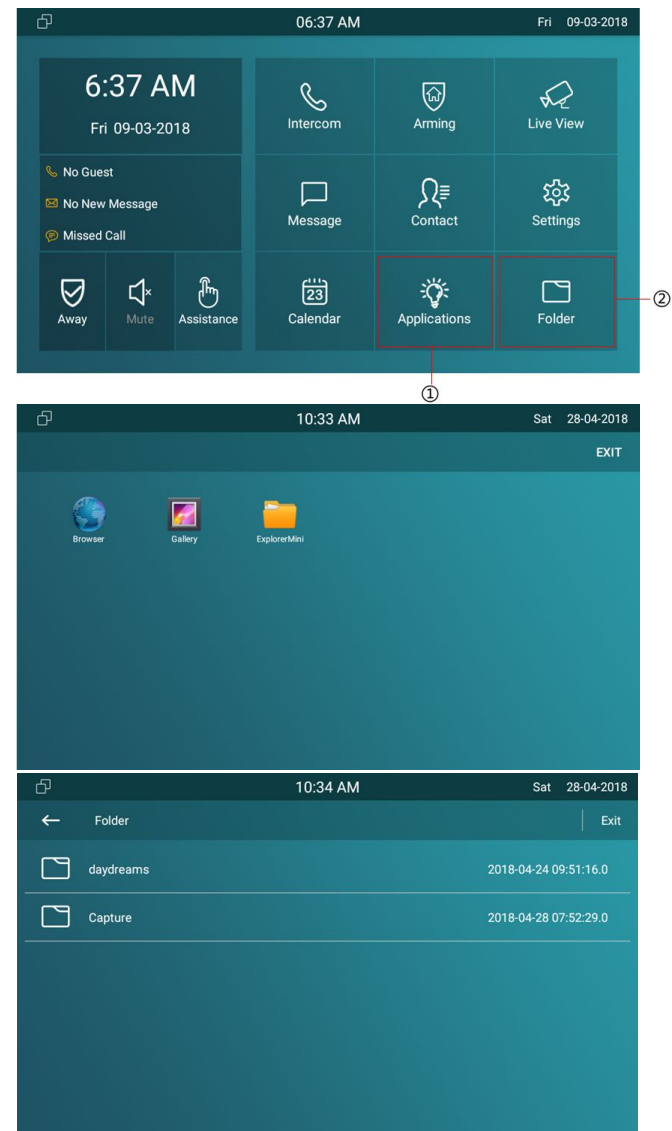
## 3.7. Applications

① Press this icon to enter application interface.

You can install 3rd party app from here. Please consult your administrator for more information.

## 3.8. Folder

① Press this icon to enter folder interface. To check the local and SD card files. IT82 supports external SD card.





## 4. Advance Settings

① Press the icon in settings interface, enter the password(123456 by default) and press Confirm to enter the advance settings interface.

### 4.1. Network settings

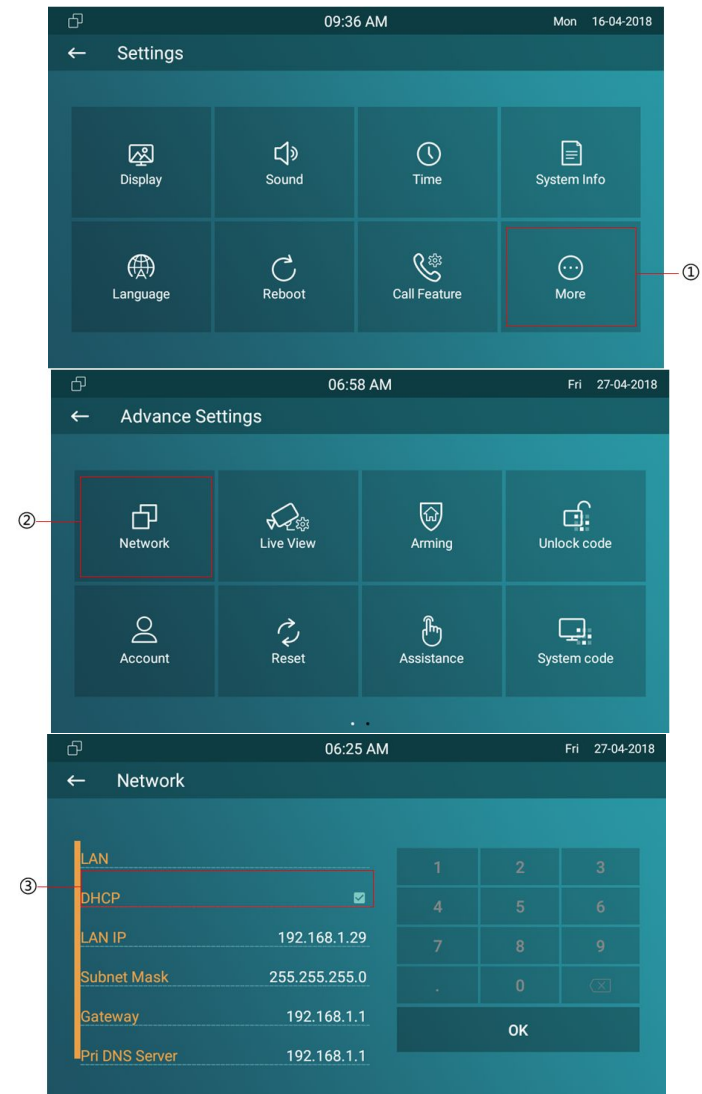
② Press this icon to enter network settings interface. IT82 use DHCP mode to obtain IP address by default.

③ Tick the DHCP option to select DHCP network of IT82.

④ Uncheck the DHCP option to select Static IP network of IT82.

⑤ ⑥ If you select Static IP Network, please enter the IP address parameters in the corresponding area: IP Address/Subnet Mask/Gateway/DNS1/DNS2(Back up DNS address).

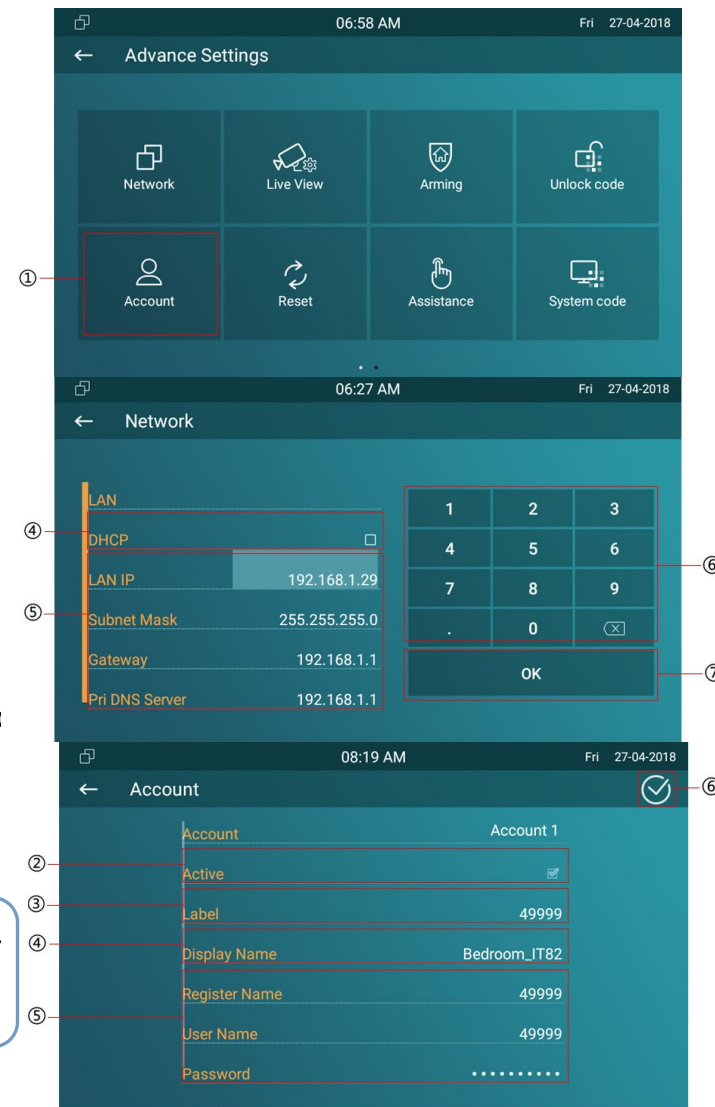
⑦ Click icon to save the modified.



## 4.2. Account settings

- ① Press this icon to enter account settings interface. IT82 only support one SIP account in this firmware version.
- ② Tick to active account 1 of IT82.
- ③ Configure the label of the account 1. When the account 1 is registered, the label will show in the account status interface.
- ④ Configure the display name of the account 1. When IT82 dial out a call to other device, the display name will show in other device.
- ⑤ Configure the corresponding sip account parameters: Register Name/User name/Password/Sip Server(Domain or IP)/Sip Port. Slide down to check more account information.
- ⑥ Click the icon to save the modified.

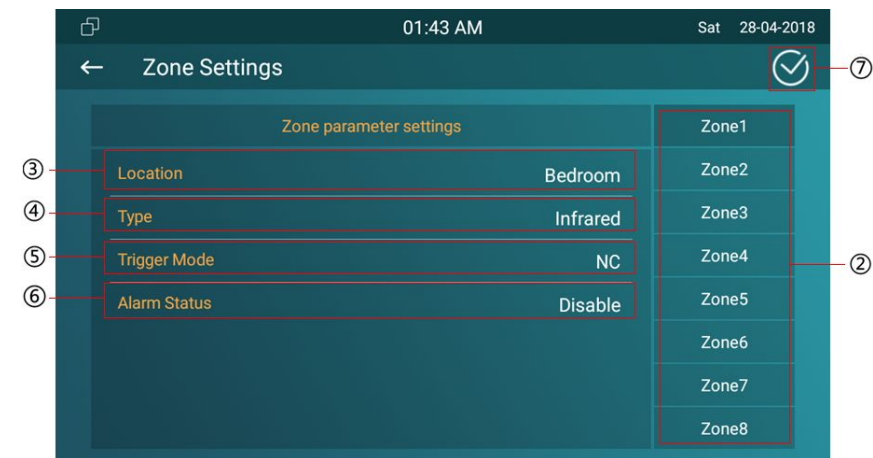
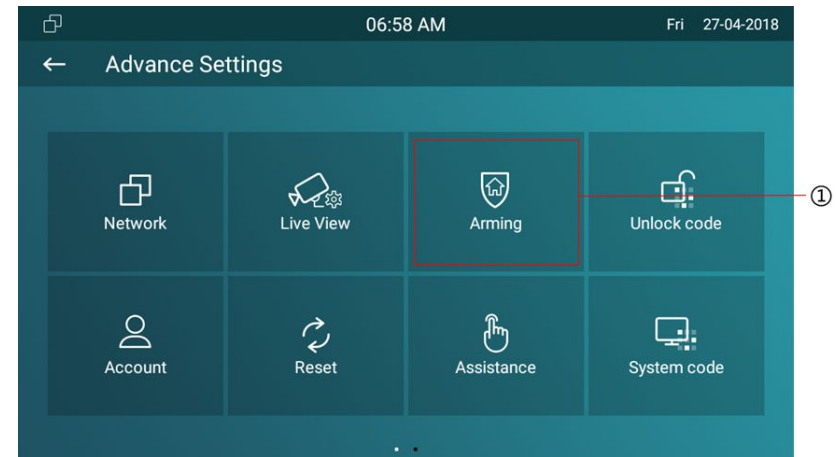
**Note:** SIP account is provided by SIP server. Please consult your administrator for SIP Server information.



### 4.3. Arming settings

- ① Press this icon to enter zone settings interface.
- ② To choose a zone to set corresponding parameters. IT82 support up to 8 zones, you can connect up to 8 alarm sensors to IT82.
- ③ Configure the location of the alarm sensor, including Gate, Door, Bedroom, Guest room, Hall, Window, Balcony, Kitchen, Study and Bathroom.
- ④ Configure the type of the alarm sensor, including Infrared, Dmagnet, Smoke, Gas, Urgency.
- ⑤ Configure the trigger mode of the alarm sensor, including NC(Normal Close) and NO(Normal Open).
- ⑥ Configure the status of alarm feature, including disabled, enabled and 24H.

**Disabled option:** Disable the IT82 alarm feature.



**Enabled option:** When the arming mode enabled and the alarm sensor device is triggered, IT82 will give an alarm. The alerting can be off by entering the password on the IT82 screen.

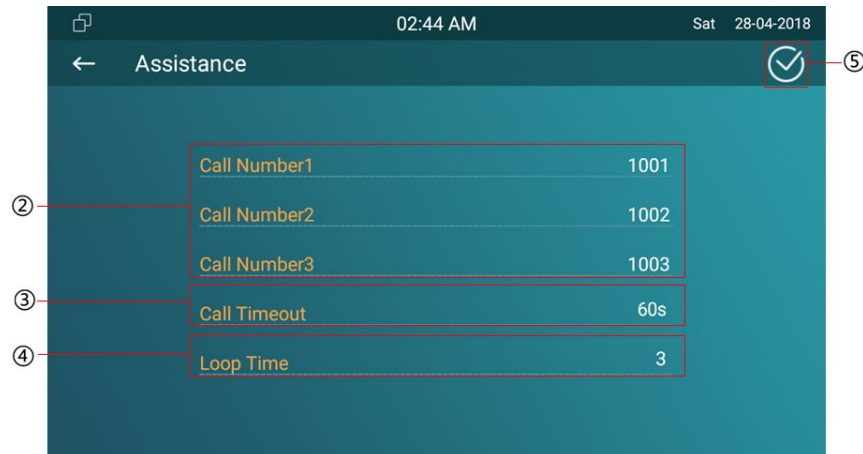
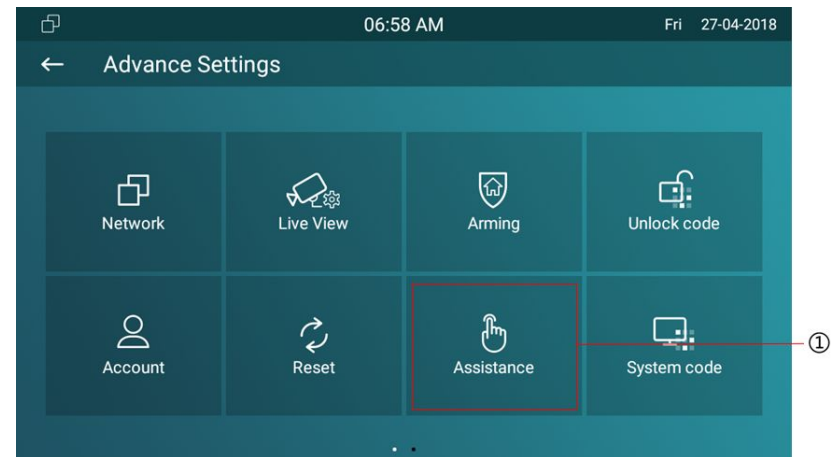
**24H option:** When the alarm sensor device is triggered(No matter the arming mode is enabled or not), IT82 will give an alarm. The alerting can not be off by entering the password on the IT82 screen, until the alarm sensor device can not detect the triggered source.

⑦Click the icon to save the modified.

**Note:** After configuring the zone settings, turn back to main interface, to configure the arming mode settings, and enable the corresponding arming mode to enable the arming feature.

## 4.4. Assistance settings

- ① Press this icon to enter assistance settings interface.
- ② Configure assistance call numbers. IT82 support up to 3 numbers.
- ③ Configure the call timeout. It is 60 seconds as default.
- ④ Configure the loop times. It is 3 times as default.
- ⑤ Click the icon to save the modified.

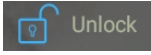



## 4.5. Unlock code settings

IT82 use IT82 support to unlock local door lock (Trigger the internal relay) or remote unlock during the call.

① Press this icon to enter unlock code settings interface.

② ③ Configure the unlock type. Softkey means Open Lobby

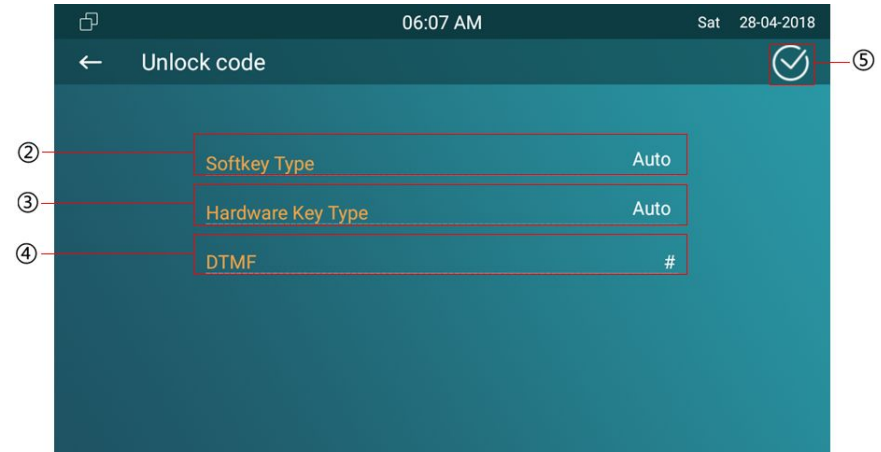
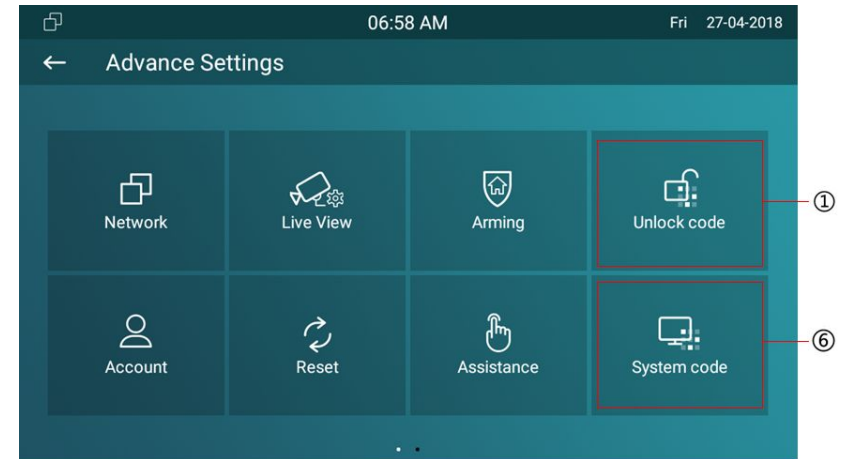
icon  which will show during the call. Hardware Key means Unlock button .

**DTMF:** Remote unlock via using DTMF code.

**Relay:** Unlock the local door lock.

**Auto:** The type for Softkey is DTMF, for Hardware Key is Relay.

④ If you configure the unlock type to be DTMF, the default DTMF code is #. You can change the DTMF code, it can be 1 digit or multi-digits.



**Note:** For unlock, the DTMF code should be the same with the corresponding door phone's, please consult your administrator for more information.

⑤ Click the icon to save the modified.

## 4.6. System code settings

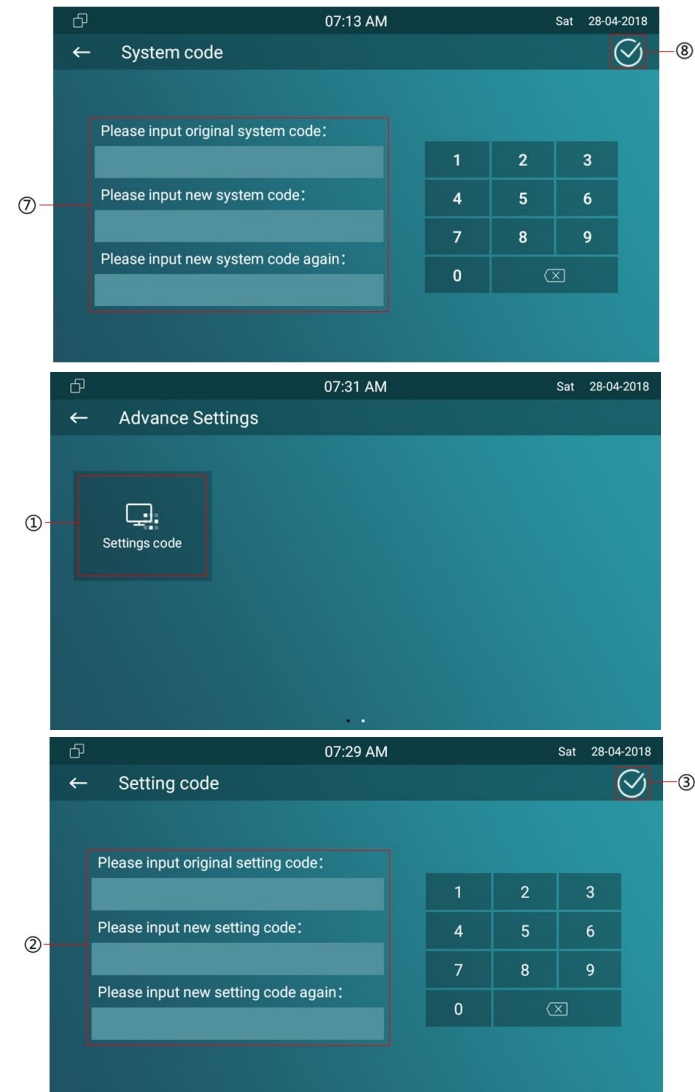
⑥ Press this icon to enter system code settings interface.

⑦ Configure the new system code(When you try to enter the advance settings interface, it will prompt you for the system code) of IT82.

⑧ Click the icon to save the modified.

## 4.7. Settings code

① Press this icon to enter settings code interface.



② Configure the new settings code (When you try to enter the settings interface, it will prompt you for the settings code) of IT82. The settings code is blank by default.

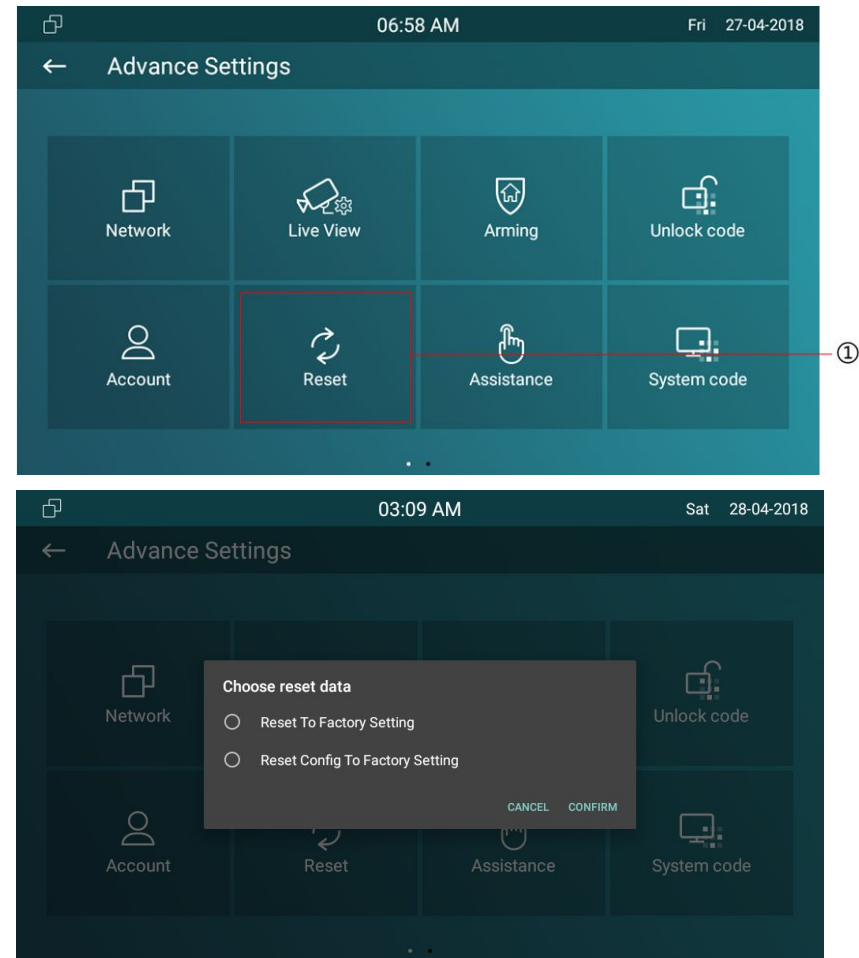
③ Click the icon to save the modified.

## 4.8. Reset settings

① Press Reset icon to reset IT82 to factory settings. Choose one option and press confirm when you see the prompt. It will reset to factory settings automatically.

**Reset to factory setting option:** Reset all data (in the directory /data) to factory settings.

**Reset config to factory setting option:** Reset all configurations (in the directory /data/data/config) which only be used by IT82 to factory settings. But like 3<sup>rd</sup> party application





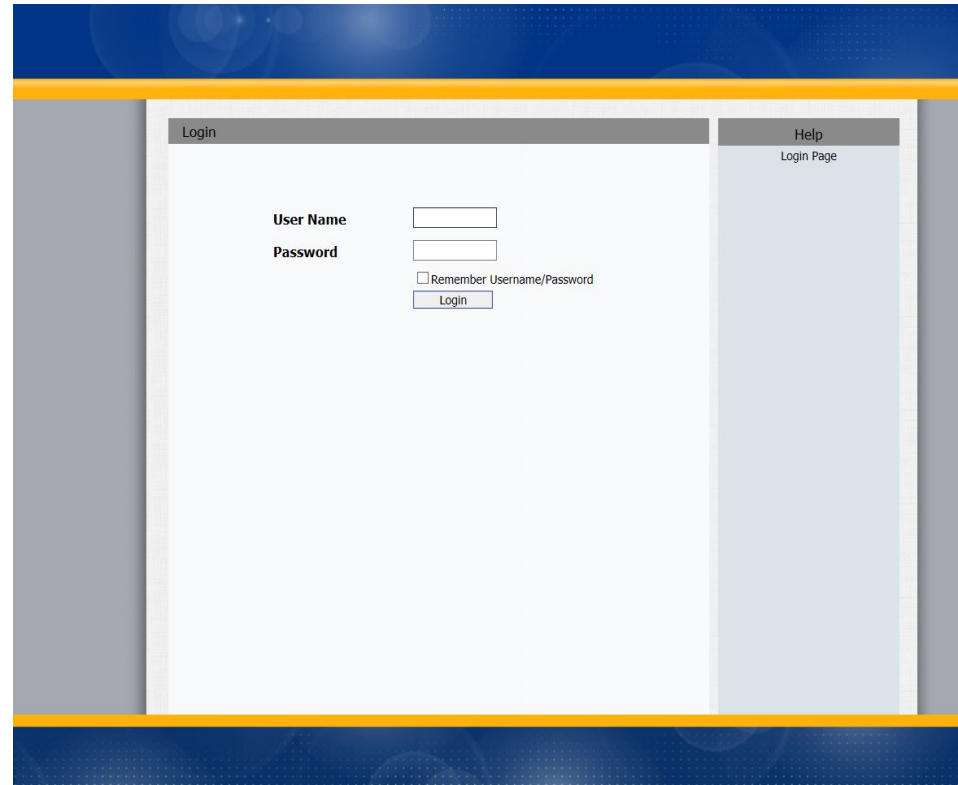
which you installed, contacts which you added, such kind of data will not be reset.

## 5. Website

Web user interface (we will use Web UI for short in the following context) is used for users or administrator to check or change IT82 settings.

Click Settings-System Info icon on desktop to check the IT82's IP address.

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



The screenshot shows a web browser window with a blue header and a yellow border. The main content area is white and contains a login form. The form has two input fields for 'User Name' and 'Password', a checkbox for 'Remember Username/Password', and a 'Login' button. A 'Help' link is visible in the top right corner of the page.

Login	Help
<p>User Name <input type="text"/></p> <p>Password <input type="password"/></p> <p><input type="checkbox"/> Remember Username/Password</p> <p><input type="button" value="Login"/></p>	<p>Login Page</p>

## 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), Link Status, IP Address, Subnet Mask, Gateway, Primary DNS server, Secondary DNS server.

Status	
<b>Product Information</b>	
Model	IT82
Hardware Model	IT82
MAC Address	0C1105050049
Firmware Version	82.0.2.137
Hardware Version	1.0
<b>Network Information</b>	
LAN Port Type	DHCP Auto
LAN Link Status	Connected
LAN IP Address	192.168.35.101
LAN Subnet Mask	255.255.255.0
LAN Gateway	192.168.35.1
LAN DNS1	192.168.35.1
LAN DNS2	
<b>Account Information</b>	
Account1	1000@192.168.35.134 Registered

### 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.

Account-Basic			
<b>SIP Account</b>			
Status	Registered		
Account	Account 1 ▼		
Account Active	Enabled ▼		
Display Label	Bedroom		
Display Name	Bedroom_IT82		
Register Name	1000		
User Name	1000		
Password	••••••••		
<b>SIP Server 1</b>			
Server IP	192.168.35.134	Port	5060
Registration Period	1800		(30~65535s)
<b>SIP Server 2</b>			
Server IP		Port	5060
Registration Period	1800		(30~65535s)

**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.

**Password:** Used for authorization.

### 5.2.2. SIP Sever 1&2

To display and configure Primary or Secondary SIP server settings.

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

**Registration Period:** IT82 will re-register automatically within registration period.

### 5.2.3. Outbound Proxy Server

An outbound proxy server is used to receive all initiating request messages and route them to the designated SIP server.

### 5.2.4. Transport Type

To display and configure Transport type for SIP message.

**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.

### 5.2.5. NAT

To display and configure NAT (Net Address Translator) settings.

Outbound Proxy Server	
Enable Outbound	Disabled ▼
Server IP	<input type="text"/>
Backup Server IP	<input type="text"/>
	Port 5060
	Port 5060

Transport Type	
Transport Type	UDP ▼

NAT	
NAT	Disabled ▼
Stun Server Address	<input type="text"/>
	Port 3478

**Stun:** Short for Simple Traversal of UDP over NATS, a solution to solve NAT issues.

## 5.3. Account-Advanced

### 5.3.1. SIP Account

**Account:** IT82x support single SIP account in this version.

### 5.3.2. 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-band codecs), G729 and so on.

The screenshot displays the 'Account-Advanced' configuration window. It is divided into two main sections: 'SIP Account' and 'Audio Codecs'. In the 'SIP Account' section, there is a dropdown menu labeled 'Account' with 'Account 1' selected. The 'Audio Codecs' section features two lists: 'Disabled Codecs' and 'Enabled Codecs'. The 'Disabled Codecs' list includes iLBC\_13\_3, iLBC\_15\_2, OPUS, and L16. The 'Enabled Codecs' list includes PCMU, PCMA, G729, and G722. Between the two lists are '>>' and '<<' buttons for moving codecs. To the right of the 'Enabled Codecs' list are up and down arrow buttons for reordering.

### 5.3.3. Video Codecs

IT82x support H263, H264 and H265 video codec.

### 5.3.4. Video Codec

To configure the video codec parameters.

**Codec Resolution:** IT82 supports the resolutions: QCIF, CIF, VGA, 4CIF and 720P.

**Codec Bitrate:** To configure bit rates of video stream.

**Codec Payload:** To configure RTP audio video profile.

### 5.3.5. Subscribe

To display and configure MWI, subscription settings.

**MWI:** Message Waiting Indicator which is used to indicate whether there is unread new voice messages.

**BLF:** BLF is short for Busy Lamp Field which is used to monitor the designated extension status.

#### Video Codecs

Disabled Codecs	>>	Enabled Codecs	↑
H265	<<	H264	↓
		H263	

#### Video Codec

Codec Name	H263	H264
Codec Resolution	CIF	CIF
Codec Bitrate	320	320
Codec Payload	34	104

#### Subscribe

MWI Subscribe	Disabled
MWI Subscribe Period	1800 (120~65535s)
Voice Mail Number	
BLF Expire	1800 (120~65535s)
ACD Expire	1800 (120~65535s)

#### DTMF

Type	RFC2833
How To Notify DTMF	Disabled
DTMF Payload	101 (96~127)

**ACD:** Automatic Call Distribution is often used in offices for customer service, such as call center. The setting here is to negotiate with the server about expire time of ACD subscription.

### **5.3.6. 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.

### **5.3.7. Call**

To display and configure call-related features.

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



**Caller ID Header:** To configure which Caller ID format to fetch for displaying on IT82's UI.

**Auto Answer:** If enabled, IT82 will be auto-answered when there is an incoming call for designated account.

**Provisioning Response ACK:** 100% reliability for all provisional message, this means it will send ACK every time the IT82 receive a provisional SIP message from SIP server.

**Register/ Invite User=phone:** If enabled, IT82 will send user=phone within SIP message.

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

**Anonymous Call:** If enabled, all outgoing call for the designated account will be anonymous number.

**Anonymous Call Rejection:** If enabled, all incoming anonymous call for the designated account will be rejected.

**Is escape non Ascii character:** To transfer the symbol to Ascii character.

**Missed Call Log:** To display the miss call log.

Call		
Max Local SIP Port	5062	(1024~65535)
Min Local SIP Port	5062	(1024~65535)
Caller ID Header	FROM	▼
Auto Answer	Disabled	▼
Provisional Response ACK	Disabled	▼
Register with user=phone	Disabled	▼
Invite with user=phone	Disabled	▼
PTime	20	▼
Anonymous Call	Disabled	▼
Anonymous Call Rejection	Disabled	▼
Is escape non Ascii character	Enabled	▼
Missed Call Log	Enabled	▼
Prevent SIP Hacking	Disabled	▼

**Prevent SIP Hacking:** Enable or disable to prevent SIP from hacking.

### 5.3.8. Session Timer

**Active:** If enabled, the ongoing call will be disconnected automatically once the session expired unless it's been refreshed by UAC or UAS.

**Session Expire:** Configure session expire time.

**Session Refresher:** To configure who should be response for refreshing a session.

### 5.3.9. Encryption

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

Session Timer	
Active	Disabled ▼
Session Expire	1800 (90~7200s)
Session Refresher	UAC ▼

Encryption	
Voice Encryption(SRTP)	Disabled ▼

NAT	
UDP Keep Alive Messages	Enabled ▼
UDP Alive Msg Interval	30 (5~60s)
RPort	Disabled ▼

Conference	
Type	Local ▼
Conference URI	

User Agent	
User Agent	

### 5.3.10. NAT

**UDP Keep Alive Message:** If enabled, IT82 will send UDP keep alive message periodically to router to keep NAT port alive.

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

**RPort:** Remote Port, if enabled, it will add Remote Port in to outgoing SIP message for designated account.

### 5.3.11. Conference

**Type:** To select desired conference type.

**Conference URI:** If network conference is selected, a network conference URI is needed to be input.

## 5.3.12. User Agent

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

## 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.

### Network-Basic

#### LAN Port

DHCP  
 Static IP

IP Address	<input type="text" value="192.168.35.101"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Default Gateway	<input type="text" value="192.168.35.1"/>
LAN DNS1	<input type="text" value="192.168.35.1"/>
LAN DNS2	<input type="text"/>

### Network-Advanced

#### Local RTP

Max RTP Port	<input type="text" value="12000"/>	(1024~65535)
Starting RTP Port	<input type="text" value="11800"/>	(1024~65535)

## 5.5. Network-Advanced

To display and configure Local RTP settings.

**Max RTP Port:** Determine the maximum port that RTP stream can use.

**Starting RTP Port:** Determine the minimum port that RTP stream can use.

## 5.6. Phone-Time/Lang

To display and configure Time/Language.

### 5.6.1. Web Language

To choose the web language.

Time/Lang	
<b>Web Language</b>	
Type	English ▼
<b>NTP</b>	
Time Zone	GMT-0:00 Azores ▼
Primary Server	<input type="text"/>

## 5.6.2. 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.

## 5.7. Phone-Call Feature

### 5.7.1. Mode

To enable or disable feature key sync.

**Feature Key Sync:** To enable or disable feature key sync.

**Mode:** Select the desired mode.

### 5.7.2. Forward Transfer

To display and configure Forward setting.

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

Phone-Call Feature	
Mode	Phone
Feature Key Sync	Disabled ▼
Mode	<input checked="" type="radio"/> Phone <input type="radio"/> Custom
Forward Transfer	
Account	All Account ▼
Always Forward	Disabled ▼
Target Number	1001
On Code	*72
Off Code	*73
Busy Forward	Disabled ▼
Target Number	1002
On Code	*90
Off Code	*91
No Answer Forward	Disabled ▼
No Answer Ring Time	30 ▼
Target Number	1003
On Code	*52
Off Code	*53

**Busy Forward:** Any incoming call will be forwarded if IT82 is busy.

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

### 5.7.3. DND(Do Not Disturb)

DND allows IT82 to ignore any incoming calls.

**DND Emergency:** Calls from the Authorized number can still be received after enable this function.

**DND Authorized Number:** Setup authorized numbers for DND Emergency.

**DND Priority:** Disable by default.

**Account:** Select an account for DND.

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

**Return Code when DND:** Determine what response code should be sent back to server when there is an incoming call if DND on.

DND	
DND Emergency	Disabled ▼
DND Authorized Number	1004
DND Priority	Disabled ▼
Account	All Account ▼
DND	Disabled ▼
Return Code When DND	486(Busy Here) ▼
DND On Code	*78
DND Off Code	*79

**DND On Code:** The Code used to turn on DND on server's side, if configured, IT82 will send a SIP message to server to turn on DND on server side if you press DND when DND is off.

**DND Off Code:** The Code used to turn off DND on server's side, if configured, IT82 will send a SIP message to server to turn off DND on server side if you press DND when DND is on.

#### 5.7.4. Intercom

Intercom allow user to establish a call directly with the callee

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

**Intercom Mute:** If enabled, once the call established, the callee will be muted.

**Intercom Preview:** If enabled, IT82 can preview before the call.

Intercom	
Active	Enabled ▼
Intercom Mute	Disabled ▼
Intercom Preview	Enabled ▼



## 5.7.5. Remote Control

Remote Control allows specific host to interact with IT82 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 allowed host address.

**Remote Control**

---

Allowed Access IP List

## 5.7.6. UACSTA

Using CSTA for SIP phone user agents. It can control some features of calling. UACSTA is used to send ECMA-323(CSTA XML) information during SIP calling. The default status is disabled.

**UACSTA**

---

UACSTA Active	<input type="text" value="Disabled"/>	
Register Name	<input type="text"/>	
Password	<input type="password" value="....."/>	
Server IP	<input type="text"/>	Port: <input type="text" value="5060"/>
Control Account	<input type="text" value="Account 1"/>	

### 5.7.7. Open Lobby

User can choose which types you need for each key. IT82 supports 2 types to unlock, DTMF and Relay. DTMF is used to unlock the lobby door remotely, Relay is used to open the local door.

**Softkey Type:** To configure the Open Lobby icon which will show during the call.

**Hardware Key Type:** To configure the Unlock hardware key button.

**DTMF:** To configure the DTMF code when you choose DTMF code for one key.

### 5.7.8. Door Phone

To configure the delay time of auto answer the call from doorphone when disable the auto answer feature

Open Lobby	
Softkey Type	Auto ▼
Hardware Key Type	Auto ▼
DTMF	#

Door Phone	
Auto Answer DoorPhone Delay	3 (3~30s)

Others	
Return Code When Refuse	486(Busy Here) ▼
Auto Answer Delay	0 (0~5s)
Answer Mode	Video ▼
Early DTMF	Disabled ▼
DTMF Pause Time	0 (0~120s)
Direct IP	Enabled ▼

## 5.7.9. Others

To configure the DTMF code which can trigger the local relay or remote relay.

**Return Code When Refuse:** Allows user to assign specific code as return code to SIP server when an incoming call is rejected.

**Auto Answer Delay:** To configure delay time before an incoming call is automatically answered.

**Answer Mode:** To configure the incoming call is answered via audio mode or video mode.

**Early DTMF:** To enable or disable early DTMF.

**DTMF Pause Time:** To configure the delay time to send out the DTMF code.

**Direct IP:** To enable or disable direct IP call.

## 5.8. Phone-Audio

### 5.8.1. Echo Celler

To remove acoustic echo from a voice communication in order to improve the voice quality.

**VAD (Voice Activity Detection):** Allow IT82 to detect the presence or absence of human speech during a call.

**CNG (Comfort Noise Generation):** Allow IT82 to generate comfortable background noise during periods of silence in a conversation.

### 5.8.2. Automatical Generation Control

To remove acoustic echo from a voice communication in order to improve the voice quality.

**Automatic Gain Control(Sending-side)/ (Receiving-side):** Disabled by default.

#### Audio

---

##### Echo Celler

VAD	<input type="text" value="Disabled"/>
CNG	<input type="text" value="Enabled"/>

---

##### Automatic Generation Control

Automatic Gain Control(Sending-side)	<input type="text" value="Disabled"/>
Automatic Gain Control(Receiving-side)	<input type="text" value="Disabled"/>
Automatic Gain Control Target	<input type="text" value="3"/> (1~20dB)

---

##### NetEQ

Filter forgetting factor base	<input type="text" value="250"/> (0~255)
-------------------------------	--

---

##### Doorbell Sound

Upload(.wav/.mp3)	<input type="button" value="Choose File"/> No file chosen
	<input type="button" value="Import"/> <input type="button" value="Cancel"/>
Sound File	<input type="text"/>
	<input type="button" value="Delete"/>

**Automatic Gain Control Target:** Range from 1 to 20 dB. 3dB by default.

### 5.8.3. NetEQ

To remove acoustic echo from a voice communication in order

### 5.8.4. Doorbell Sound

To configure the sound for doorbell feature.

## 5.9. Phone-Video

### 5.9.1. Media Feedback

**NACK:** Enabled it to filter mosaic.

**Tmmbr:** Send the maximum temporary rate request. Disabled by default.

Video	
<b>Media Feedback</b>	
NACK	Disabled ▼
Tmmbr	Disabled ▼
<b>H264 Settings</b>	
H264 Profile	Base Profile ▼
H264 Level	3.0 ▼
IDR Interval	10 (5~100)
Rate Control	crf ▼
<b>Others</b>	
Hardware Endec Acceleration	Enabled ▼
Hardware Decodec Acceleration	Enabled ▼
Color Enhancement	Enabled ▼
Image Quality	High ▼
Camera Priority	Internal ▼

## 5.9.2. H264 Settings

**H264 Profile:** There are 4 modes-Base、 Main、 High、 Extend profile. Different profiles makes different coding function and video quality.

**H264 Level:** Different profiles has corresponding Level value.

**IDR Interval:** IDR means Instantaneous Decoding Refresh. It is used to control the process of coding and decoding.

**Rate Control:** Choose one H264 video rate.

## 5.9.3. Others

**Hardware Endec Acceleration:** This function is used to solve the image issue. User can enable the Hardware Endec Acceleration when you need.

**Hardware Decodec Acceleration:** Disabled by default.

**Color Enhancement:** To increase the phone display color. Enabled by default.

**Image Quality:** User can select Low, Middle or High mode.

**Camera Priority:** If IT82 has 2 cameras , please setup the priority for external camera or internal one..

## 5.10. Phone-Key/Display

### 5.10.1. Sense Key

Allows user to assign specific feature to the designated sense keys.

### 5.10.2. Interface Display

Allows user to assign specific feature to the main interface icon.

Key/Display		
Sense Key		
Key	Type	Value
Sense Key 1	Calling ▼	0
Sense Key 2	Open Message ▼	
Sense Key 3	Live View ▼	
Sense Key 4	Dial ▼	
Sense Key 5	Unlock ▼	

Interface Display		
Area	Type	Value
Area 1	Intercom ▼	
Area 2	Arming ▼	
Area 3	Live View ▼	
Area 4	Message ▼	
Area 5	Contact ▼	
Area 6	Settings ▼	
Area 7	Calendar ▼	
Area 8	Application ▼	
Area 9	Folder ▼	

## 5.11. Phone-Key/Display

### 5.11.1. Contact

**All Contacts:** To display or edit all local contacts.

**Black List:** To display black list contacts.

### 5.11.2. Search

To search a special contact.

### 5.11.3. Dial

To dial out a call or hangup an ongoing call from Web UI.

**Note:** For this feature, you need to have the remote control privilege to control IP phone via Web UI. Please refer to section "Remote Control" in the Web UI->Phone->Call Feature page.

The screenshot displays the 'Local Book' interface. At the top, there is a 'Contact' dropdown menu set to 'All Contacts'. Below it is a 'Search' section with an input field, a 'Search' button, and a 'Reset' button. The 'Dial' section includes an input field, a dropdown menu set to 'Auto', and a 'Dial' button.

Index	Name	Number 1	Number 2	Number 3	Group	
1	Ash..	<a href="#">1005</a>	<a href="#">1006</a>	<a href="#">192.168.35.75</a>	Default	<input type="checkbox"/>
2	Bella	<a href="#">1007</a>			Default	<input type="checkbox"/>
3						<input type="checkbox"/>
4						<input type="checkbox"/>
5						<input type="checkbox"/>
6						<input type="checkbox"/>
7						<input type="checkbox"/>
8						<input type="checkbox"/>
9						<input type="checkbox"/>
10						<input type="checkbox"/>

Below the table is a navigation bar with 'Page 1', 'Prev', 'Next', 'Move To', 'All Contacts', 'Delete', and 'Delete All' buttons.

The 'Contact Setting' section includes input fields for 'Name', 'Number 1', 'Number 2', and 'Number 3', and a dropdown menu for 'Group' set to 'Default'. At the bottom are 'Add', 'Edit', and 'Cancel' buttons.



## 5.11.4. Contact Setting

To add a new contact.

**Name:** To set a name for the new contact.

**Number1/ 2/ 3:** To set the number for the new contact. The number can be SIP number or IP number.

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

## 5.11.5. Import/Export

A easy way to manage mass of contacts.

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

**Import/Export**

---

**Contact**  No file chosen

(.XML)

(.CSV)

## 5.12. Phonebook-Call Log

### 5.12.1. Call History

To display call history records.

Call Log							
Call History							
All ▼							
Index	Type	Date	Time	Local Identity	Name	Number	
1	Missed	2018-06-13	02:52:17	192.168.35.1 01@192.168.35.101	Ashley	<a href="#">192.168.35.7</a> <a href="#">5@192.168.35.75</a>	<input type="checkbox"/>
2	Dialed	2018-06-13	02:52:01	192.168.35.1 01@192.168.35.101	Ashley	<a href="#">192.168.35.7</a> <a href="#">5@192.168.35.75</a>	<input type="checkbox"/>
3	Received	2018-06-13	02:51:16	192.168.35.1 01@192.168.35.101	Ashley	<a href="#">192.168.35.7</a> <a href="#">5@192.168.35.75</a>	<input type="checkbox"/>
4							<input type="checkbox"/>
5							<input type="checkbox"/>
6							<input type="checkbox"/>
7							<input type="checkbox"/>
8							<input type="checkbox"/>
9							<input type="checkbox"/>
10							<input type="checkbox"/>
11							<input type="checkbox"/>
12							<input type="checkbox"/>
13							<input type="checkbox"/>

Available call history types are All calls, Dialed calls, Received calls, Missed calls, Forwarded calls.

## 5.13. Upgrade-Basic

### 5.13.1. Upgrade-Basic

**GFirmware 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.

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

Upgrade-Basic	
Firmware Version	82.0.2.137
Hardware Version	1.0
Upgrade	<input type="button" value="Choose File"/> No file chosen <input type="button" value="Submit"/> <input type="button" value="Cancel"/>
Reset To Factory Setting	<input type="button" value="Submit"/>
Reset Config To Factory Setting	<input type="button" value="Submit"/>
Reboot	<input type="button" value="Submit"/>

**Reset to factory setting option:** Reset all data(in the directory /data) to factory settings.

**Reset config to factory setting option:** Reset all configurations(in the directory /data/data/config) which only be used by IT82 to factory settings. But like 3rd party application which you installed, contacts which you added, such kind of data will not be reset.

**Reboot:** To reboot IP phone remotely from Web UI.

## 5.14. Upgrade-Advanced

### 5.14.1. PNP Option

**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.

**Upgrade-Advanced**

**PNP Option**

PNP Config

**DHCP Option**

Custom Option  (128~254)

DHCP Option Enable  Custom Option

Option 43

Option 66

**Manual Autop**

URL

User Name

Password

Common AES Key

AES Key(MAC)

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

### 5.14.2. DHCP Option

**DHCP option:** If configured, IT82 will use designated DHCP option to get Auto Provisioning server's address via DHCP.

**Note:**This setting require DHCP server to support corresponding option.

### 5.14.3. 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 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).

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

#### 5.14.4. 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.

### Automatic AutoP

Mode	<input type="text" value="Power On"/>
Schedule	<input type="text" value="Sunday"/>
	<input type="text" value="22"/> Hour(0~23)
	<input type="text" value="0"/> Min(0~59)
Clear MD5	<input type="button" value="Submit"/>
Export AutoP Template	<input type="button" value="Export"/>

### 5.14.5. 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.

**Remote System Log:** To enable or disable Remote System Log.

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

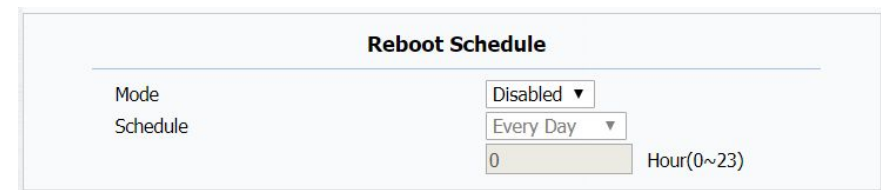


The screenshot shows a configuration panel titled "System Log". It contains four settings: "LogLevel" is a dropdown menu set to "3"; "Export Log" is a blue button labeled "Export"; "Remote System Log" is a dropdown menu set to "Disabled"; and "Remote System Server" is an empty text input field.

### 5.14.6. Reboot Schedule

**Mode:** To enable or disable IT82 reboot in a specific time.

**Schedule:** To configure a specific time for rebooting.



The screenshot shows a configuration panel titled "Reboot Schedule". It contains three settings: "Mode" is a dropdown menu set to "Disabled"; "Schedule" is a dropdown menu set to "Every Day"; and a text input field containing "0" with the label "Hour(0~23)" next to it.

## 5.14.7. 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.

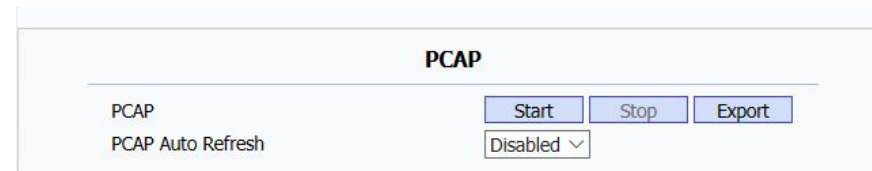
**Stop:** To stop capturing packets.

**Export:** To export the capture packet file, use capture tool to open the file.

**Note:** 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.

## 5.14.8. Others

To export current config file or import new config file.



## 5.15. Security-Basic

### 5.15.1. Web Password Modify

To Modify the password for web GUI.

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

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

**New Password:** To set a new password.

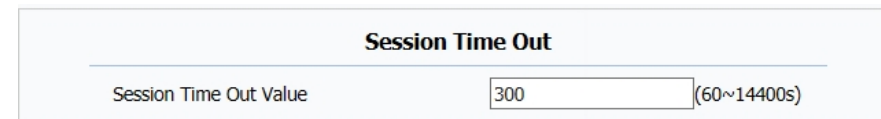
**Confirm Password:** To type in new password again for confirmation.

### 5.15.2. 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.



The screenshot shows a web interface for modifying the password. It has a dark grey header with the text "Security-Basic". Below the header is a white box with the title "Web Password Modify". The form contains four rows of input fields: "User Name" with a dropdown menu showing "admin", "Current Password" with a text input field, "New Password" with a text input field, and "Confirm Password" with a text input field.



The screenshot shows a web interface for setting the session time out. It has a white box with the title "Session Time Out". The form contains one row of input fields: "Session Time Out Value" with a text input field containing the number "300" and a label "(60~14400s)" to its right.



## 5.16. Security-Advanced

### 5.16.1. Web Server Certificate

To display or delete Certificate which is used when IT82 is connected from any incoming HTTPs request.

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

**Note:** The default certificate could not be deleted.

### 5.16.2. Web Server Certificate Upload

To upload a certificate file which will be used as server certificate.

#### Advanced

##### Web Server Certificate

Index	Issue To	Issuer	Expire Time	Delete
1	IPphone	IPphone	Sun Oct 9 16:00:00 2034	Delete

##### Web Server Certificate Upload

No file chosen

#### Client Certificate

Index	Issue To	Issuer	Expire Time	
1				<input type="checkbox"/>
2				<input type="checkbox"/>
3				<input type="checkbox"/>
4				<input type="checkbox"/>
5				<input type="checkbox"/>
6				<input type="checkbox"/>
7				<input type="checkbox"/>
8				<input type="checkbox"/>
9				<input type="checkbox"/>
10				<input type="checkbox"/>

##### Client Certificate Upload

Index  ▼

### 5.16.3. Client Certificate

To display or delete Certificates which is used when IP phone is connecting to any HTTPs server.

### 5.16.4. Client Certificate Upload

To upload certificate files, this is used as client certificate.

**Only Accept trusted Certificates:** If this option is enabled, only trusted certificates will be accepted.