

## C317 Series Indoor Monitor User Manual

## About This Manual

Thank you for choosing Akuvox's C317 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 83.31.2.3xx 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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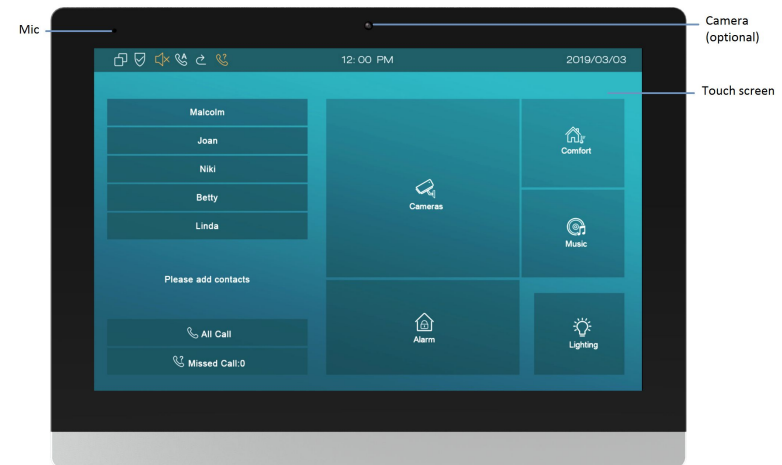
# 1. Product Overview

## 1.1. Product Description

C317X is an Android SIP-based with smooth touch-screen indoor monitor. It can be connected with Akuvox door phone for audio/video communication, unlocking and monitoring.

Residents can communicate with visitors via audio/video call, and it supports to unlock the door remotely. It is more convenient and safer for residents to check the visitor's identity through its video preview function.

C317X are often applied to scenarios such as villas, apartments and buildings.



## 1.2. Connector Introduction

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

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

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

**RS485A/B:** RS485 terminal.

**Bell/GND:** Connect a simple two-wire door bell.

**Relay A/B (NO/COM/NC):** 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.

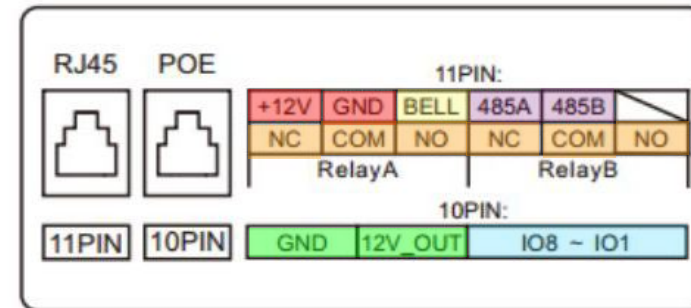


Figure 1.2-1 C317X interface

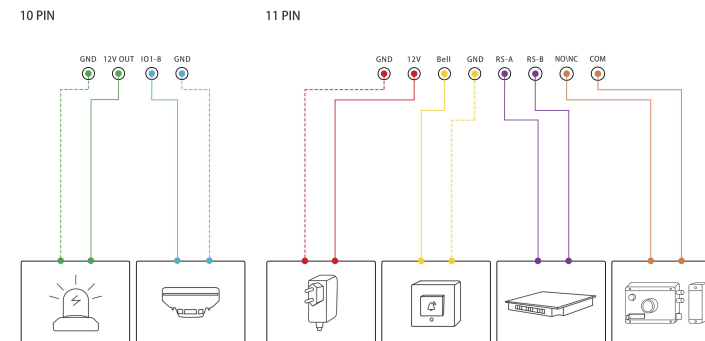


Figure 1.2-2 General interface

## 2. Daily Use

### 2.1. Starting

When booting C317X first time, users need to choose a suitable way to connect to network, wireless or wire.

To choose a proper device mode according to specific application scenarios. C317X supports 3 modes, including **Cloud**, **Discovery** and **SDMC**. It only pop up Cloud Mode and Discovery Mode for users choosing. Tap **Skip** if users are adopting SDMC mode. Discovery mode is default mode if you don't choose any device mode.

**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 super time-saving mode and it will greatly bring users convenience by reducing

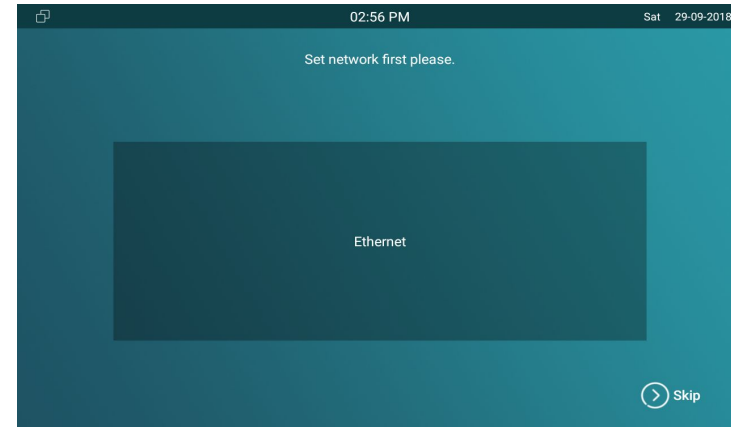


Figure 2.1-1 Network selection

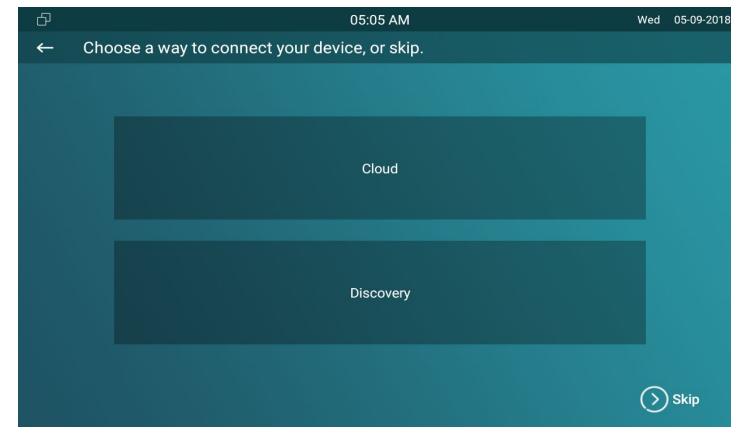


Figure 2.1-2 Device mode selection

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. Akuvox Cloud is the mobile service that allows audio, video, remote access control between smart phones and Akuvox intercoms. All configurations in the device will be issued automatically from cloud. If users decide to use Akuvox cloud, please contact administrator, who will help to configure related settings 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 6 ways to establish VOIP calls by C317X.

### 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** to choose the contact that users want to call.

**Note:** In Cloud or SDMC mode, the **Call List** of C317X will be issued from the system.

### 2.2.2. Calling from All Call

In the home page, it could call multiple indoor monitors if they are set under the same multicast address. During the session, C317X is listened by other indoor monitors.

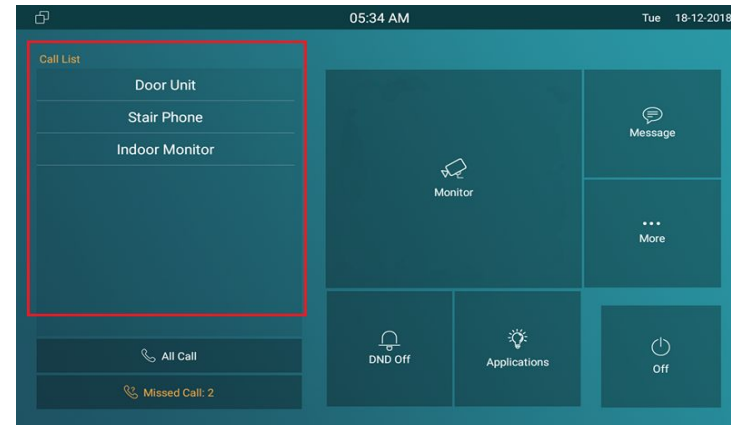


Figure 2.2.1-1 Call from call list

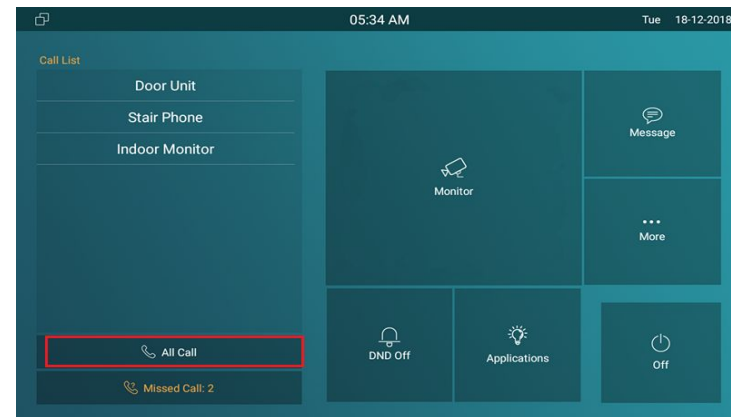


Figure 2.2.2-1 Call from all call

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

### 2.2.3. Calling from Missed Call

In the home page, missed call indicates how many calls that users 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.
- Choose **Audio** ④ or **Video** ⑤ mode to call out.

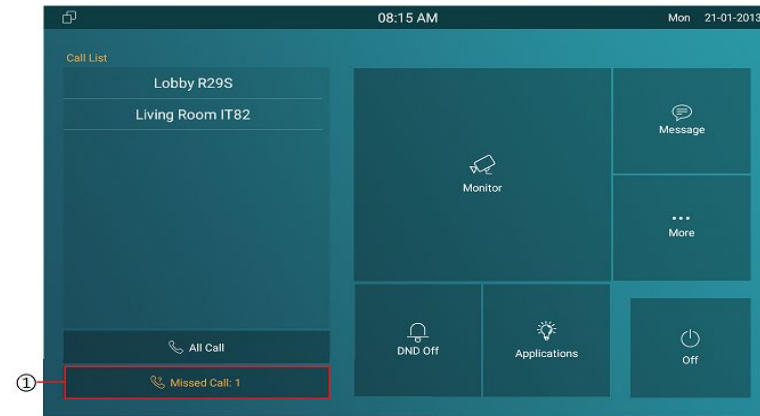


Figure 2.2.3-1 Call from miss call

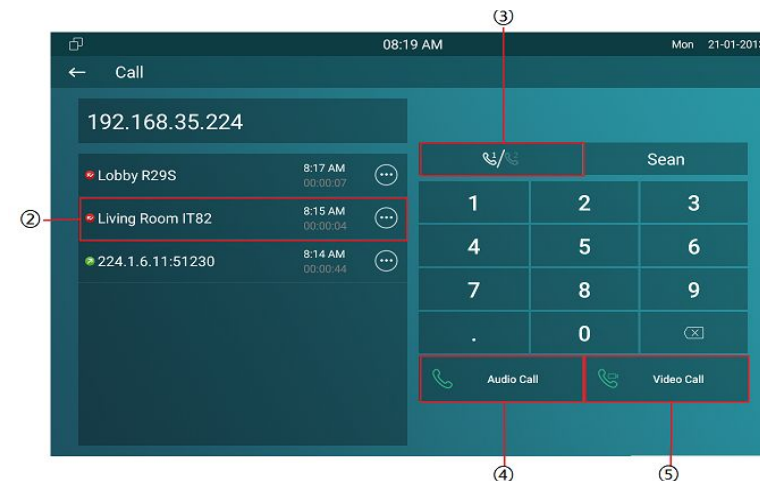


Figure 2.2.3-2 Call from miss call

## 2.2.4. Calling from Device

It will display the devices connected with C317X on the contact interface. On the device, go to **More - Contact**.

- Click **Update** ① to synchronous the contact automatically.
- Choose a device ② which users want to call.
- Choose **Audio** ③ or **Video** ④ mode to call out.

**Note:** Only under Discovery mode, users need to press **Update** key manually.

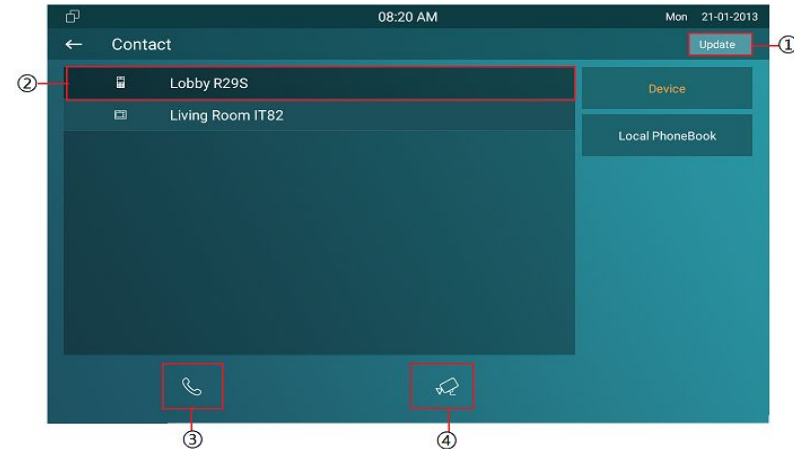


Figure 2.2.4-1 Call from device

## 2.2.5. Calling from LocalPhoneBook

On the device, go to **More - Contact** to enter the **Local PhoneBook** interface to make a call.

- C317X supports fuzzy matching query ①. To search the list by entering number or alphabet.
- Scroll up or down to select contact ② that users want to call.

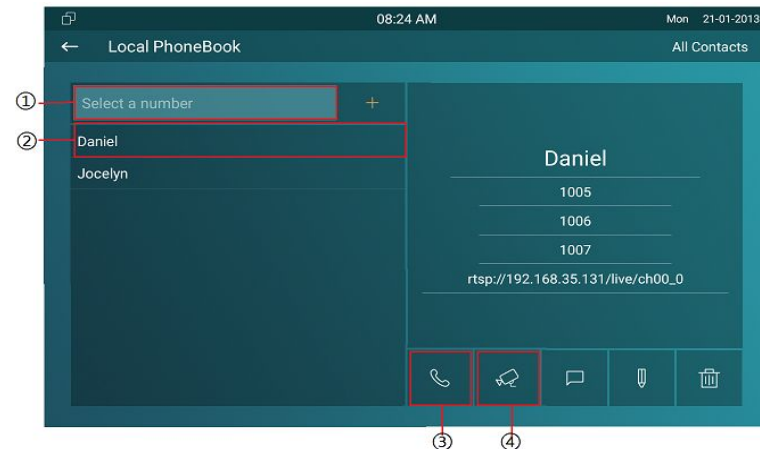


Figure 2.2.5-1 Call from local phonebook

- Choose **Audio** ③ or **Video** ④ mode to call out.

## 2.2.6. 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.
- Choose **Audio** ③ or **Video** ④ mode to call out.

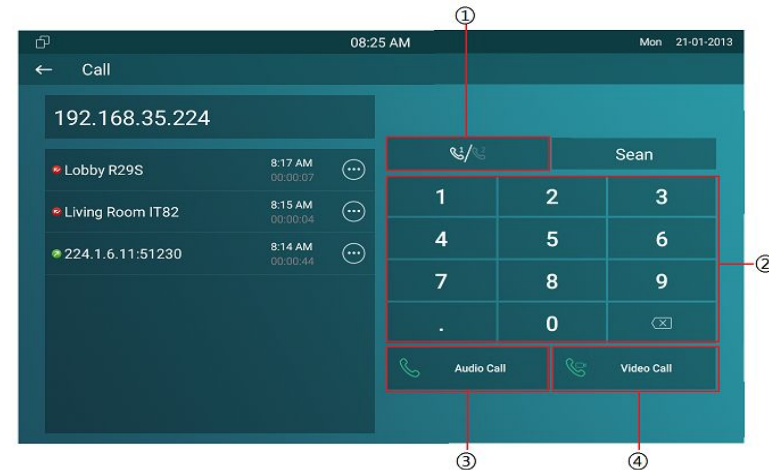


Figure 2.2.6-1 Call from keypad

## 2.3. Receiving a Call

### 2.3.1. Receive an Incoming Call

C317X supports to preview the caller when it receives an incoming call from door phone.

- Tap **Answer** to pick up the incoming call.

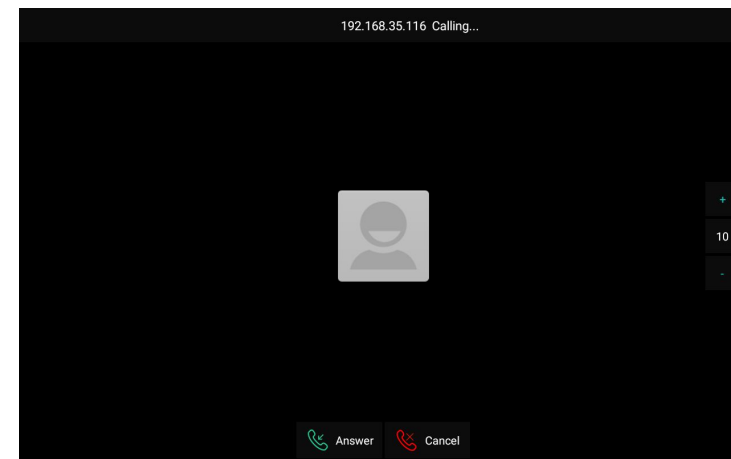


Figure 2.3.1-1 Incoming call

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

### 2.3.2. During the session

- Tap **Unlock** to open the corresponding door (if the call is from outdoor unit).
- Tap **Capture** to take a screen shot of current interface.
- Tap **Mute** to eliminate the voice on C317X’s side.
- Tap **Switch** to switch from video call to audio call or vice versa.
- Tap **Cancel** to hang up the current 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.

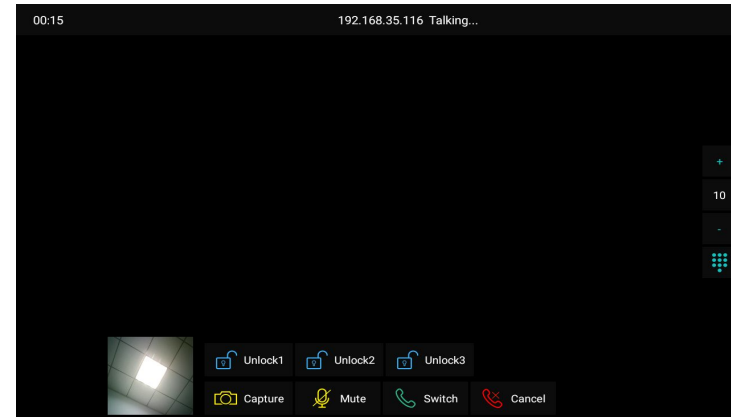


Figure 2.3.2-1 During session

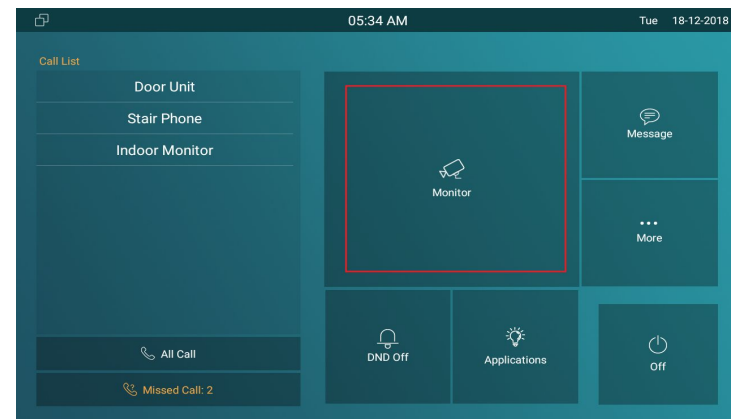


Figure 2.4-1 Monitor

## 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 screen shot of current interface.
- Press **Cancel** to exit the monitoring.
- Press **List button** in the bottom right corner to wake the outdoor video list.
- Press the **Monitor list** in the right side to choose the outdoor videos.

**Note:** Only under Discovery mode, users need to press **Update** key manually to synchronous the devices which is in the same node.

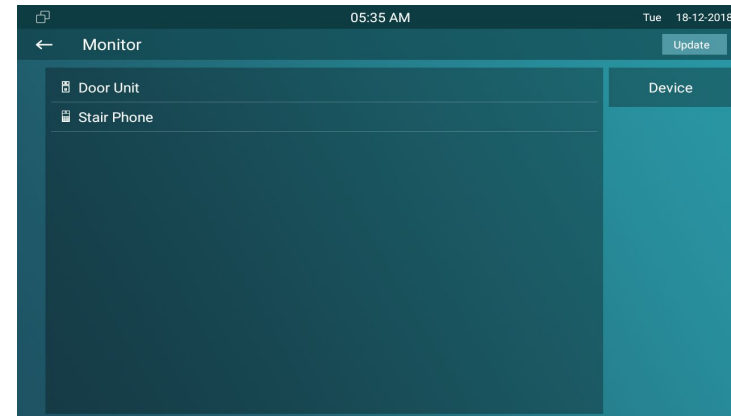


Figure 2.4.1-1 Live view list

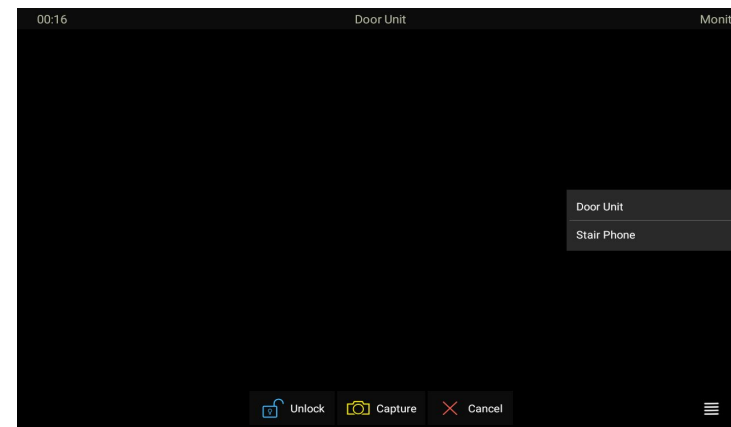


Figure 2.4.1-2 Live view video

## 2.5. Message

**Message** ① indicates how many messages are unread ( An unread message for an example). Or directly enter the message interface to manage.

### 2.5.1. Text Message

- Tap **Message** ① on the main interface to view the unread message.
- Tap the unread message ② to view the message in details.

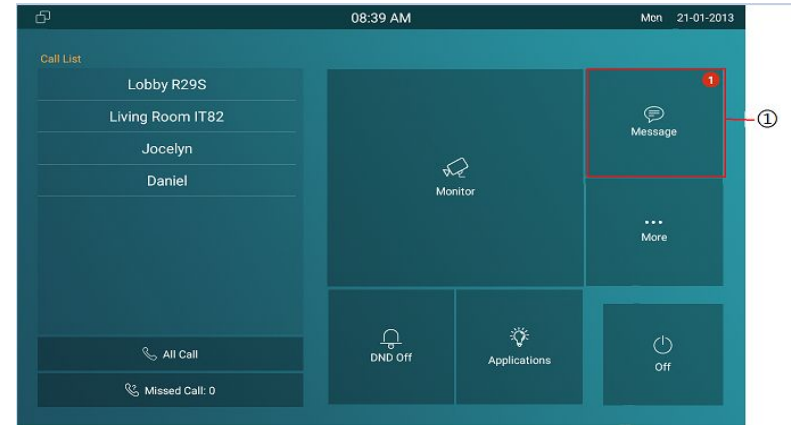


Figure 2.5 -1 Message

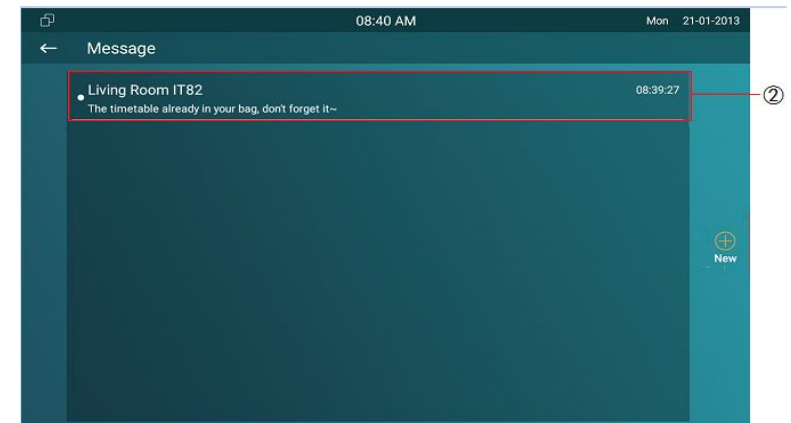


Figure 2.5.1-1 Text message

## 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 which users want to send ⑥.
- Press **Send** key ⑦ to send.

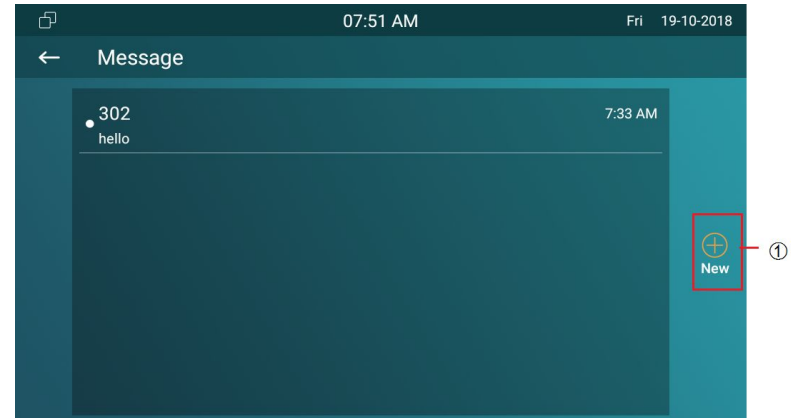


Figure 2.5.2-1 Create message

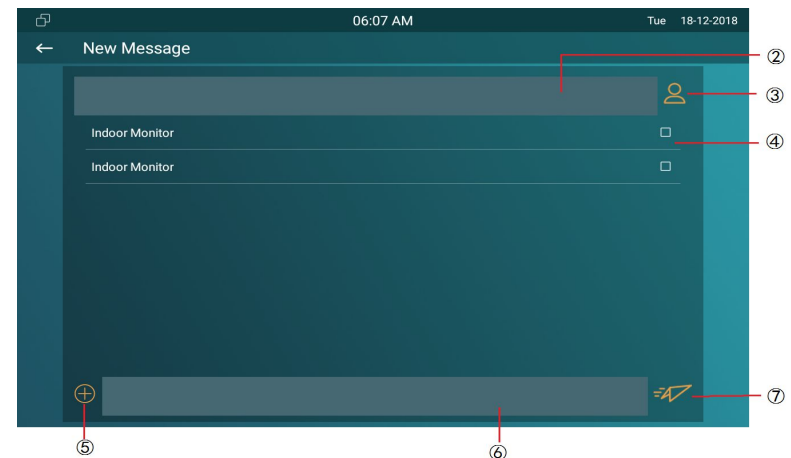


Figure 2.5.2-2 Create message



### 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.

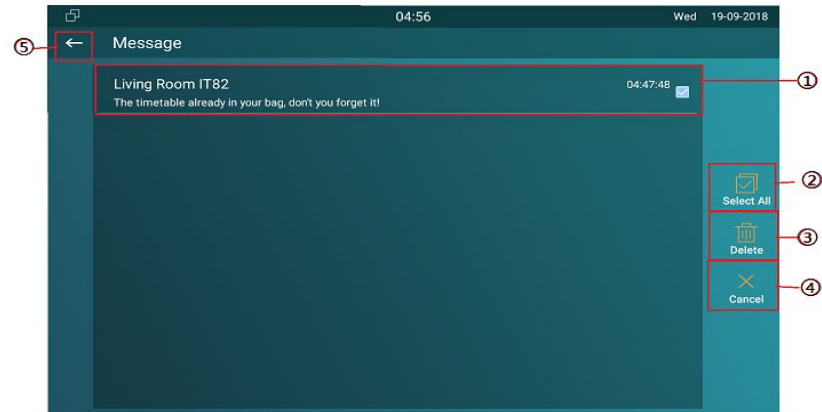


Figure 2.4.2-1 Delete message

## 2.6. Arming

Tap **Arming** to enter the Arming interface. Arming feature is not displayed by default. Users can ask administrator to enable it.

C317X supports 4 modes, including **Home** mode, **Night** mode, **Away** mode and **Disarmed** mode.

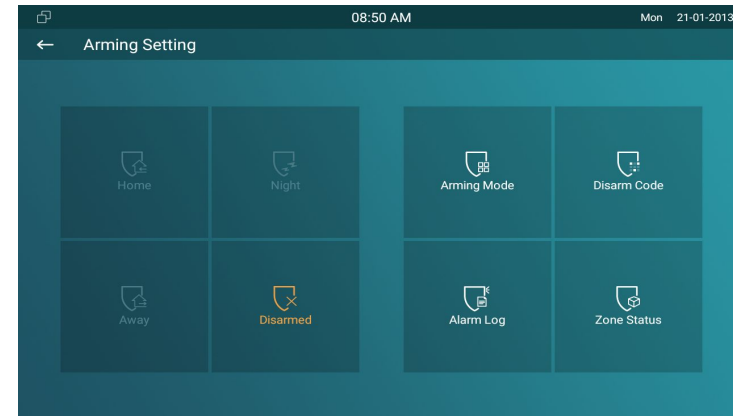


Figure 2.6-1 Arming

### 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 get activated.
- To setup the **Alarm delay**. It means when the sensor triggered, there will be 90 seconds delay time to announce the

A screenshot of the 'Arming Mode' interface. It shows a table with 8 zones. The table has columns for Zone, Location, Zone Type, Defence delay, Alarm Delay, and Status. The 'Home' mode is selected and highlighted in orange. The 'Defence delay' and 'Alarm Delay' columns are highlighted in orange. The 'Status' column shows '24H' for Zone1 and 'Disable' for Zones 2-8. At the top, there is a status bar with the time '08:49 AM' and the date 'Mon 21-01-2013'. A back arrow is visible in the top left corner, and a checkmark icon is in the top right corner.

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 2.6.1-1 Arming mode

notification.

- The **Status** in the corresponding zone means whether the zone is available or not.
- 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 by default.
- Enter the **new disarm code** ②.
- Enter the new disarm code again ③ for confirming.
- Press **Save** to save the modification.

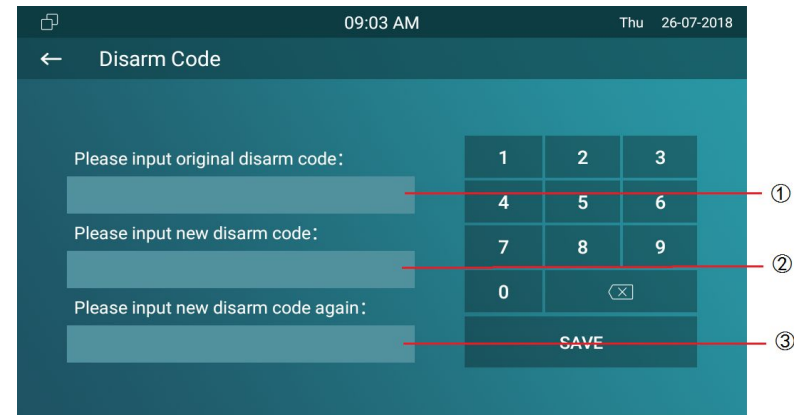


Figure 2.6.2-1 Disarm code

### 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.
- Press **Select All** ② to delete all alarm log or select a part of existed messages then click **Delete** ③.
- Press **Cancel** ④ to cancel to deletion.

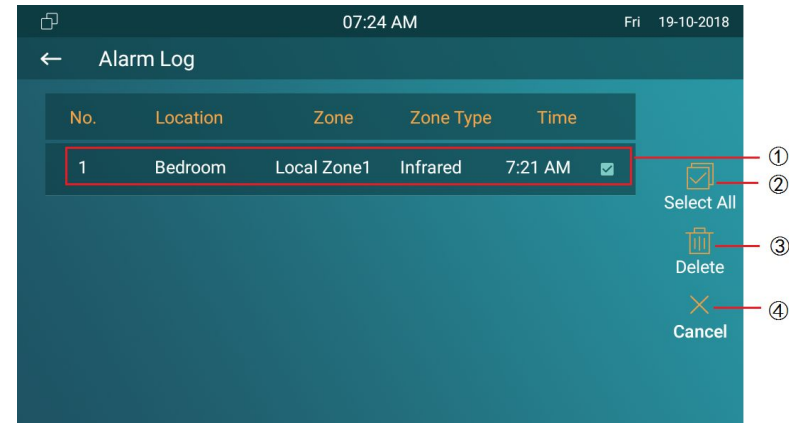


Figure 2.6.3-1 Alarm log

### 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.”

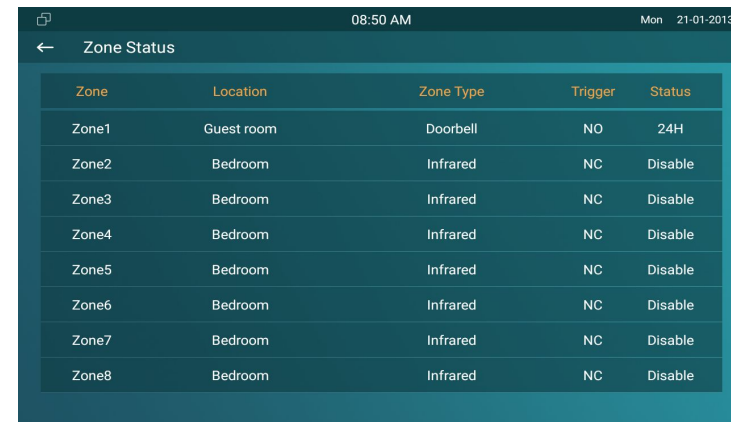


Figure 2.6.4-1 Alarm status



## Abbreviations

**ACS:** Auto Configuration Server

**Auto:** Automatically

**AEC:** Configurable Acoustic and Line Echo Cancelers

**ACD:** Automatic Call Distribution

**Autop:** Automatical 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

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

