Monitor interior de 7” Wi-Fi

VRX-307W

Ideal para uso en edificios, hoteles, oficinas y hogares fácil de instalar y configurar

SIP POE ONVIF RS485

Descripción

El comunicador multifuncional VRX-307W, con sistema operativo Linux, funciona como monitor interior y proporciona comunicación de audio y vídeo con Porteros exteriores a través del protocolo SIP abierto.

Ofrece la mejor experiencia de pantalla táctil en un diseño discreto y que ahorra espacio.

Especificaciones

Generales

- Pantalla táctil capacitiva de 7”, modo ahorro de energía.
- Aspecto delgado, ultra claro y elegante.
- WiFi incorporado (2.4Ghz)
- Recepción de vídeo desde el portero o cámara en la misma red.
- Comunicación bidireccional en red, basada en el protocolo SIP.
- Alimentación PoE o fuente externa
- SIP / RTSP / R485 / PoE

Características SIP

- SIP v1 (RFC2543), SIP v2 (RFC3261)
- Línea: 2 Cuentas SIP

Características de la pantalla

- Tipo de pantalla: matriz activa TFT capacitiva
- Tamaño : 7 pulgadas (176mm) diagonal
- Relación de aspecto: 16:9
- Resolución: 800*480
- Relación de contraste: 400:1
- Profundidad de color: 18 bits, 0.26M colores
- Luminosidad : 200nits (cd/m^2)
- Angulo de visión: ± 60° horizontal, ± 70° vertical

Características de audio

- Micrófono y altavoz incorporado
- Códec: G.711a, G.711µ, G.722, G.729
- Cancelación acústica de eco (CAE) en modo manos libres (tiempo de cola de 96ms)
- Generador de ruido Confort
- Max. Ajuste del tiempo de llamada

Características de vídeo

- Formato de transmisión: H.264
- Soporta RTSP y ONVIF

Características de red

- 2 Puerto RJ45 Ethernet 10/100 Mbps
- Configuración IP: estática / DHCP
- NTP para ajustes de horario por red

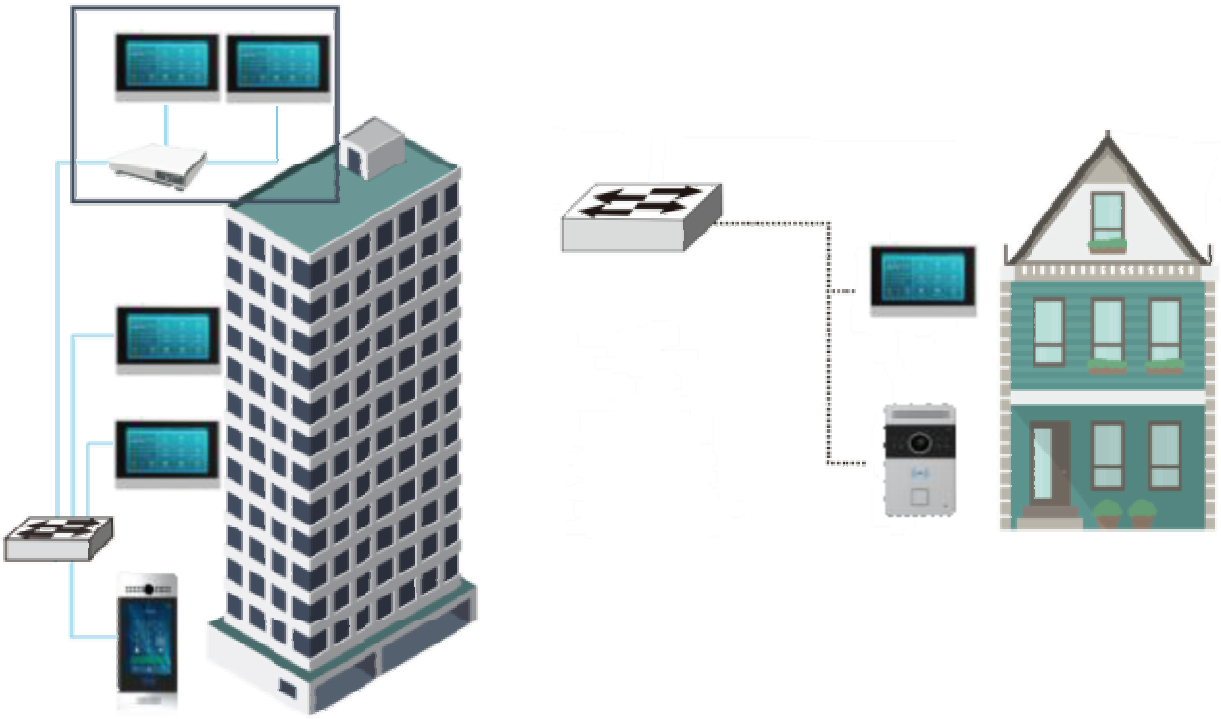
Características de gestión y operación

- Auto-provisioning via FTP/TFTP/HTTP/HTTPS/PnP
- Gestión a través de web server o su pantalla táctil
- Backup de configuración para exportar e importar
- Actualización de firmware

Características físicas

- Pantalla táctil capacitiva 7" IPS LCD
- RAM / ROM: 64MB / 128MB
- Consumo de energía: entrada 12V DC, <12W
- 1 salidas de relé (NO / COM / NC)
- Alarma: soporta 8 canales de entrada.
- 1 terminal de entrada de timbre (Bell)
- Puerto RS485
- Instalación: Montaje empotrado o superficial en pared
- Temperatura: de (0° a 45 ° C) - Humedad: 10% a 90%
- Dimensiones: 200x132x17.5mm.

Aplicación en multivivienda y unifamiliar



Lista de compatibilidad

3CX BROADSOFT elastix epygi Asterisk NEC XORCOM HUAWEI
ZYCOO New Rock AVAYA OpenVox MATRIX TELECOM | SECURITY ZTE Yeastar

CYGNUS electronics

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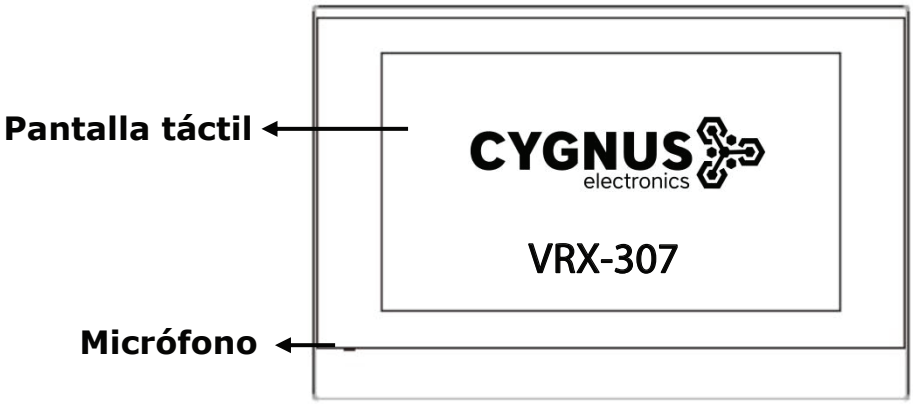
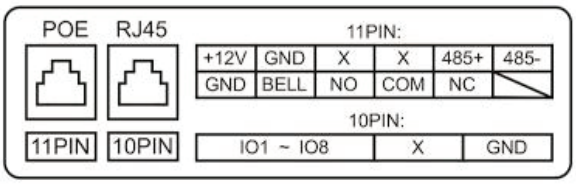
Impreso en Argentina

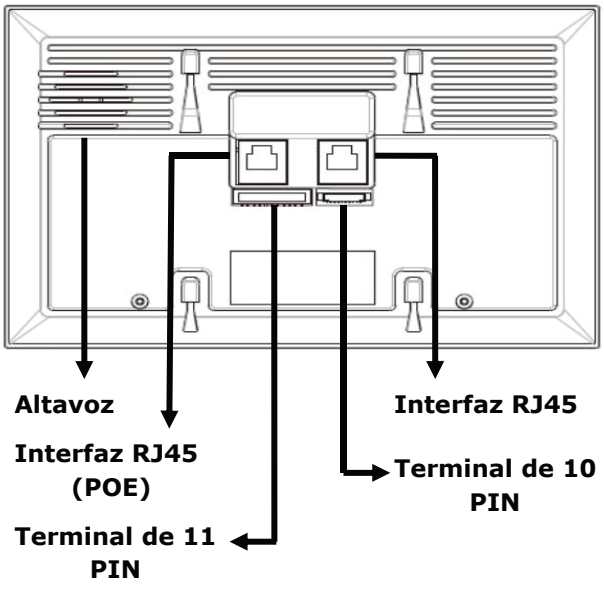
Guía de inicio rápido

Descripción





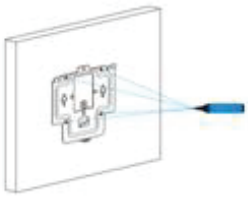
Ethernet (POE): Conector Ethernet (POE) puede proporcionar conexión de red y de alimentación.
RJ45 (PON): Comparte el acceso a la red, para la conexión de PC u otros equipos.
12V / GND: Terminal de alimentación externa si POE no está disponible.
RS485A / B: Terminal RS485.
Bell / GND: Conecte un simple timbre de puerta de dos cables.
Relé (NO / COM / NC): Terminal de control de relé.
IO1- IO8 / GND: Conecte diferentes detectores de alarma para 8 zonas de seguridad.



Instalación

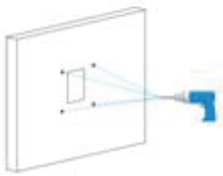
Paso 1: Instalación del soporte de pared

De acuerdo con la posición del cable en la pared, excave un agujero cuadrado (altura * ancho * profundidad = 66 * 50 * 50 mm) que pueda acomodar todos los cables.

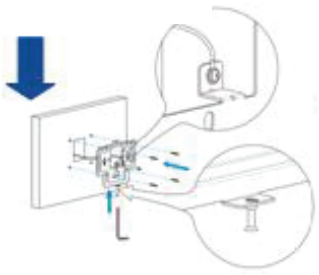


Alinee el agujero cuadrado del soporte de pared con el agujero excavado antes, luego marque los cuatro agujeros de fijación a través del soporte de pared en la pared.

Una vez que se hicieron los orificios de fijación, inserte los asientos de fijación de tornillo provistos.

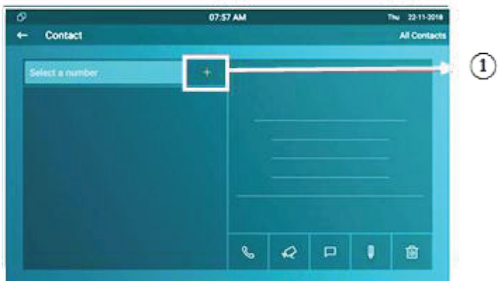


Retire el soporte de pared, luego use un taladro de mano de 5 mm para hacer los cuatro orificios de fijación en la pared que marcó antes.



Gire el tornillo M3x10.5 en el orificio inferior del soporte hasta que la cola se alinee con el borde. Luego fije el soporte de pared en la pared con cuatro tornillos ST4x20. Si hay un cable a tierra que se va a conectar, use el tornillo M3x6 para fijarlo - en el soporte de pared.

Alta de un contacto

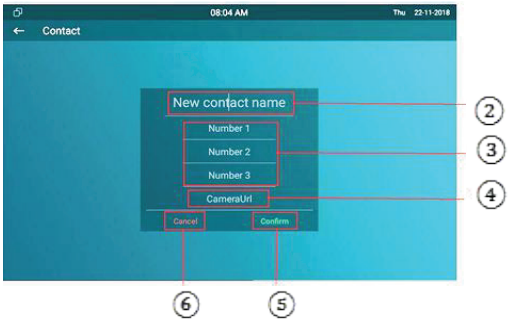


En el dispositivo, vaya a **Más - Contactos - Libreta de teléfonos local.**

- Ingrese a la interfaz de contacto, y luego presione el símbolo **+** para agregar un nuevo contacto.①
- Escriba el nuevo nombre de contacto ②.
- Haga clic en Número 1/2/3 ③ para ingresar el número 1/2/3, que podría ser **número SIP** o **dirección IP**.
- Haga clic en Camera URL ④ para ingresar la URL RTSP de la unidad exterior. **Nota:** URL RTSP del monitor Cygnus:

  rtsp://IP(dispositivo)/live/ch00_0

- Toque **Cancelar** ⑥ para cancelar la operación o presione ⑤ **Confirmar** para guardar los cambios en la configuración de contacto.



Alta de cámaras

En el dispositivo, vaya a **Más - Ajustes – Más** (por defecto 123456)- **Monitor - Nuevo.**

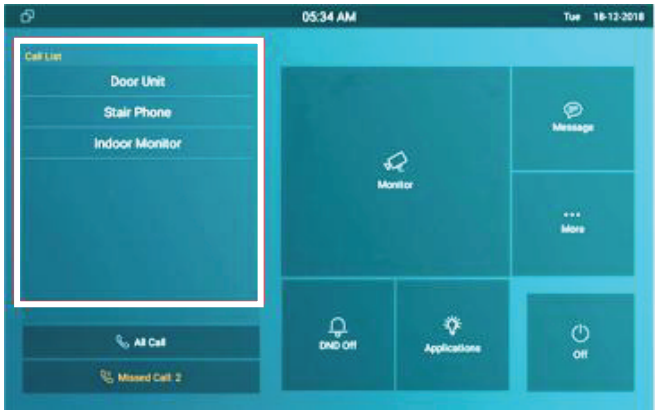
- **Número:** Número de la extensión si es SIP o dirección IP.
- **Número de identificación**: Nombre con el cual identificaremos la cámara.
- **Dirección RTSP**: **rtsp://(IP cámara)/live/ch00_0** / Ejemplo: **rtsp://192.168.5.99/live/ch00_0**

- **Nombre de usuario**: Nombre de usuario de la cámara.
- **Contraseña**: Contraseña de la cámara.

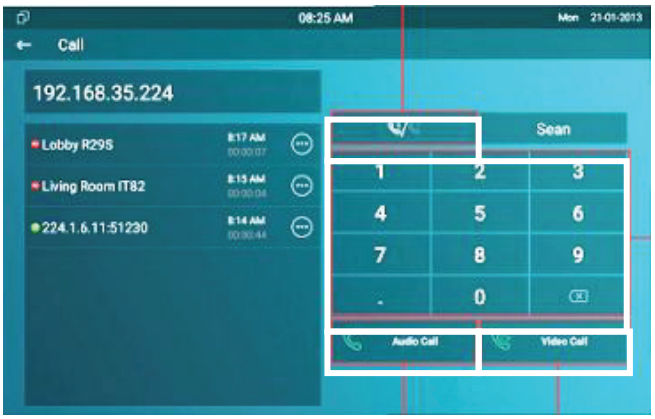
Importante: El monitor esta en **DHCP** por defecto. Para comprobar IP vaya a **MÁS - ESTADO - RED**.

Realizar una llamada

1-Llamada desde la lista de contactos



2-Llamada desde teclado por IP o SIP



Para más información vea su manual y hoja de datos en:

www.cygnus.la/manuales/cy-vrx-307.pdf

www.cygnus.la/hojasdedatos/cy-vrx-307.pdf

User Manual VRX-307

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2. Daily Use

2.1. Starting

When booting VRX-307 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. VRX-307 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 users don’t choose any device mode.

Discovery mode: It is a plug and play configuration mode. Cygnus 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

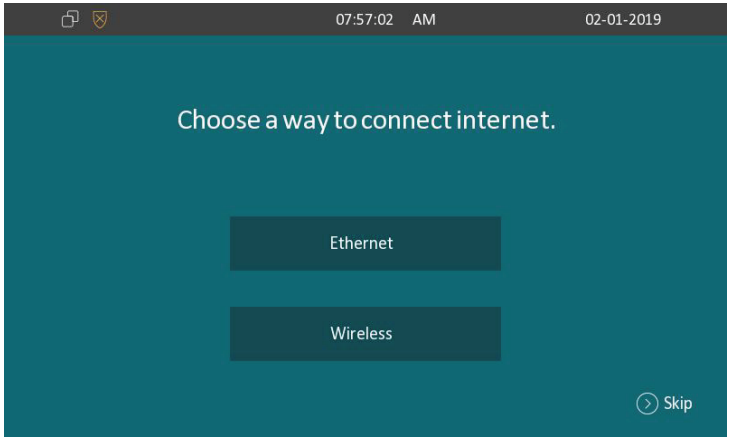


Figure 2.1-1 Network selection

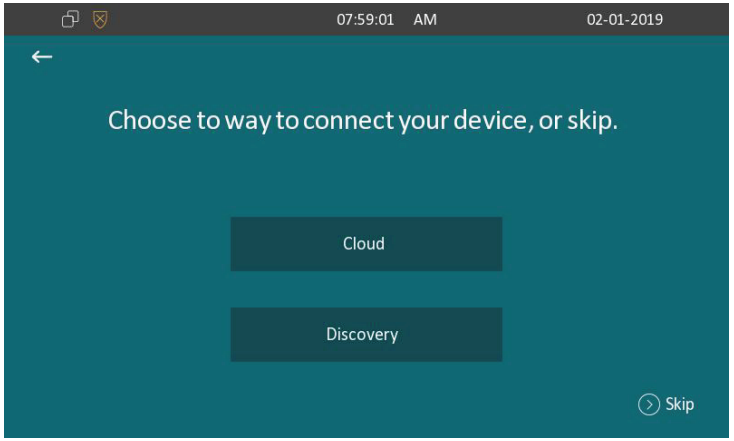


Figure 2.1-2 Device mode selection

manual operations. This mode do not need to be done any configurations previously by the administrator.

Cloud mode: Cygnus Cloud is an all in one management system. Cygnus Cloud is the mobile service that allows audio, video, remote access control between smart phones and Cygnus intercoms. All configurations in the device will be issued automatically from cloud. If users decide to use Cygnus 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

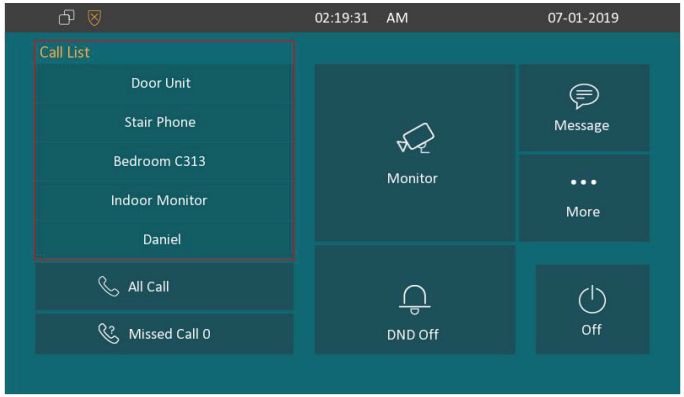
There are 6 ways to establish VOIP calls by VRX-307.

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 VRX-307 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, VRX-307 is listened by other indoor monitors.

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

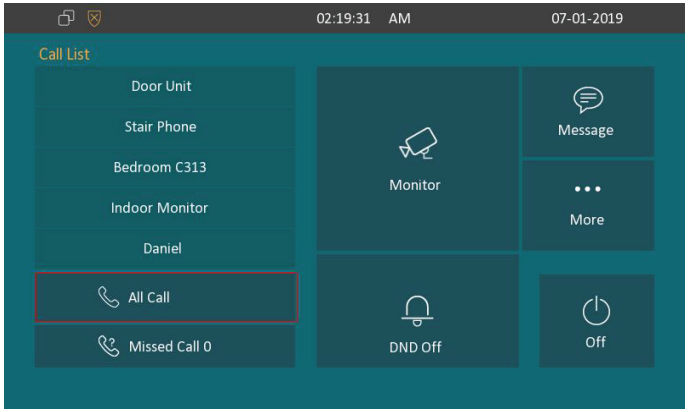


Figure 2.2.2 Call from all call

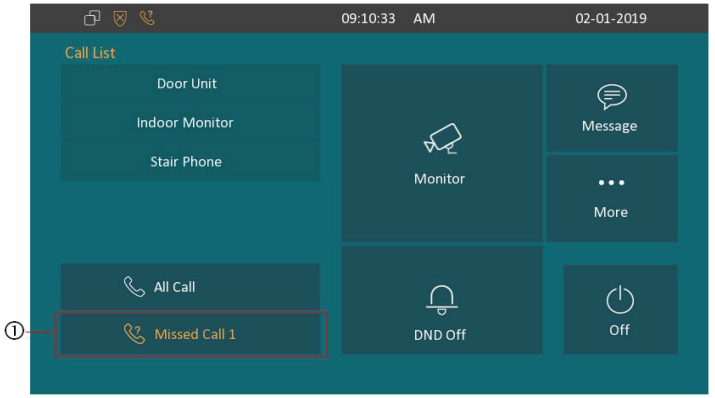


Figure 2.2.3-1 Call from missed call

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

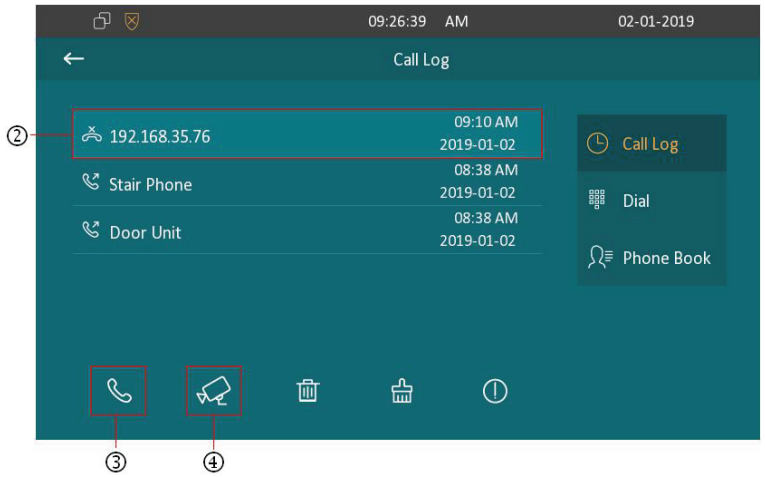


Figure 2.2.3-2 Call from missed call

2.2.4. Calling from Device

It will display the devices connected with VRX-307 on the contact interface. On the device, go to **More - Contact - Device**.

- Click **Update** ① to synchronous the contact automatically.
- Choose a device ② which users want to call.

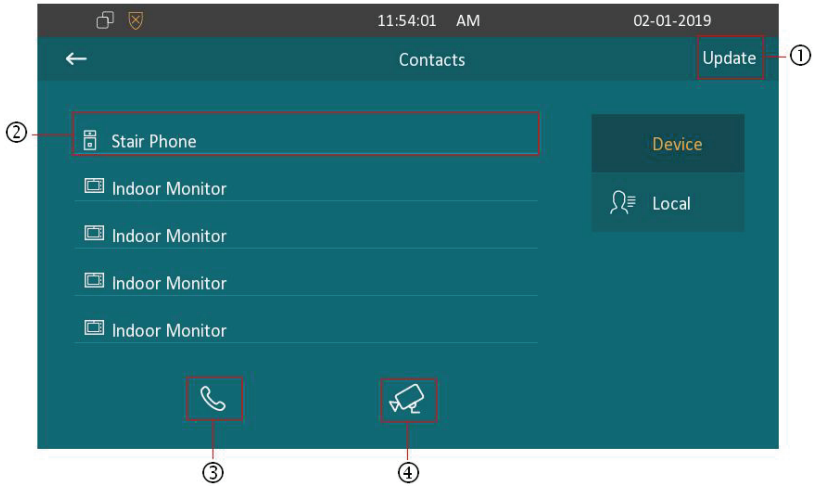


Figure 2.2.4 Call from device

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

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

2.2.5. Calling from Local Contacts

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

- VRX-307 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.
- Choose **Audio Call** ③ or **Video Call** ④ mode to call out.

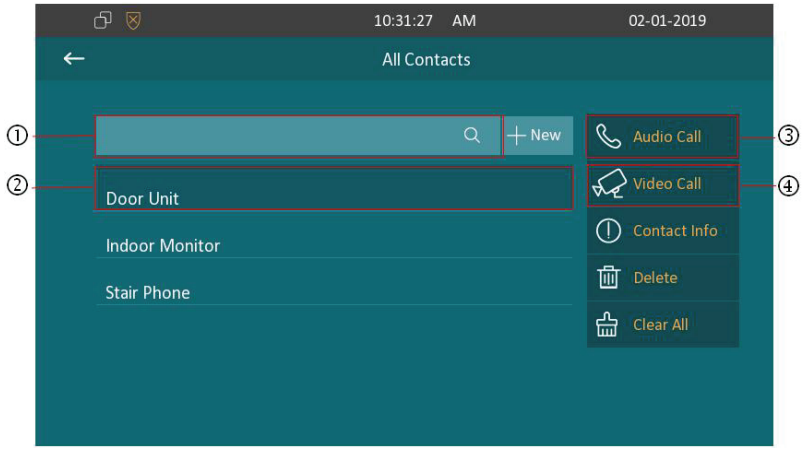


Figure 2.2.5 Call from local contacts

2.2.6. Calling from Keypad

On the device, go to **More - Call - Dial** ① to get access to keypad.

- Click account icon ② above the keypad to switch accounts to make a call.

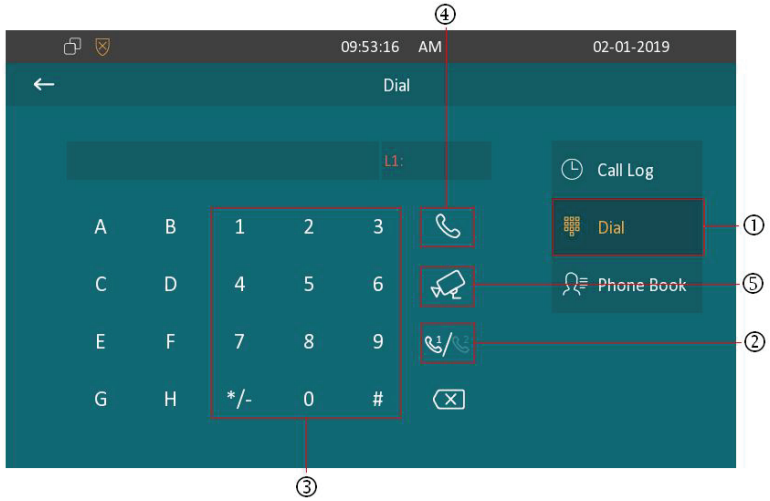


Figure 2.2.6 Call from keypad

- Input the SIP account /IP address to the keypad ③ to call the corresponding devices or soft phone.
- Choose **Audio** ④ or **Video** ⑤ mode to call out.

2.3. Receiving a Call

2.3.1. Receive an Incoming Call

VRX-307 supports to preview the caller when it receives an incoming call from door phone.

- Tap **Answer** to pick up the incoming call.
- Tap **Reject** to reject the incoming call. Swipe the volume line on the right side to adjust the ring tone volume.

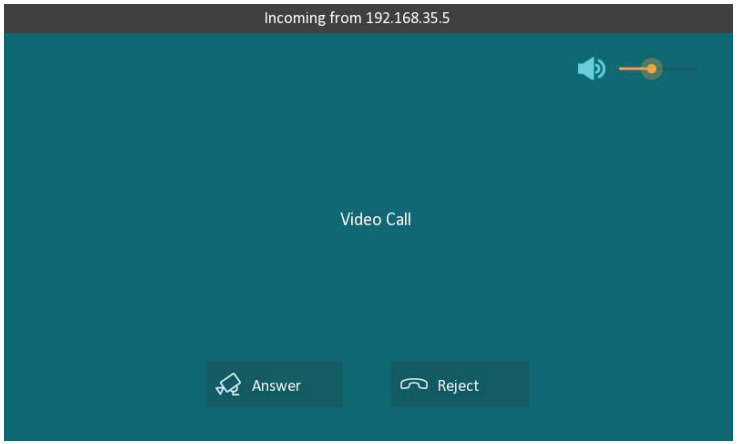


Figure 2.3.1 Incoming call

2.3.2. During the Session

- Tap **Capture** to take a screen shot of current interface.
- Tap **Unlock** to open the corresponding door (if the call is from outdoor unit).

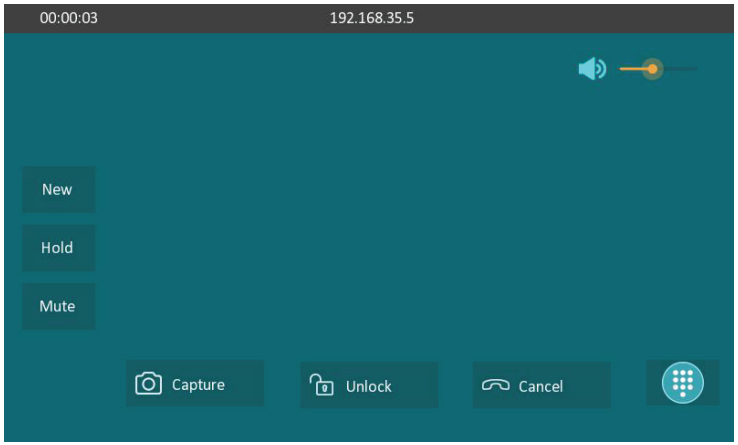


Figure 2.3.2 During the session

- Tap **Cancel** to hang up the current call.
- Tap **New** to hold the current call and make a new call.
- Tap **Hold** to hold the current call. The call can be resumed or canceled later.
- Tap **Mute** to eliminate the voice on VRX-307 side.

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.

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 **Capture** to take a screen shot of current interface.
- Press **Cancel** to exit the monitoring.

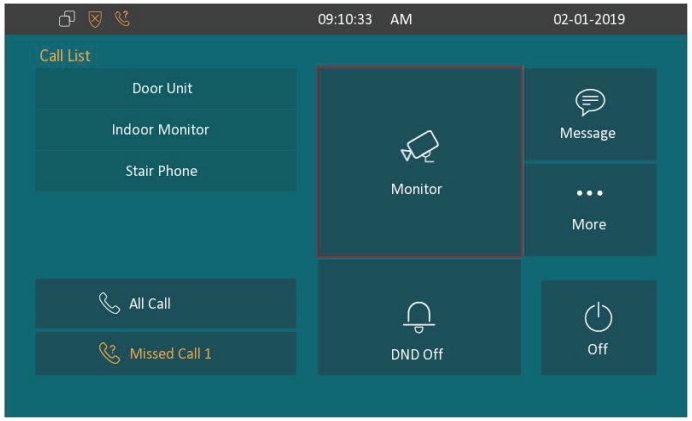


Figure 2.4 Monitor

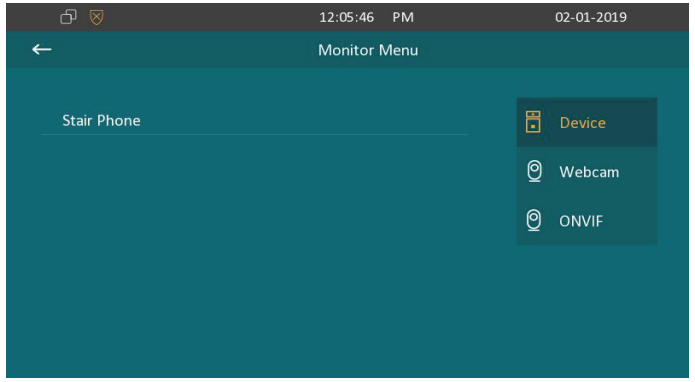


Figure 2.4.1-1 Live view list

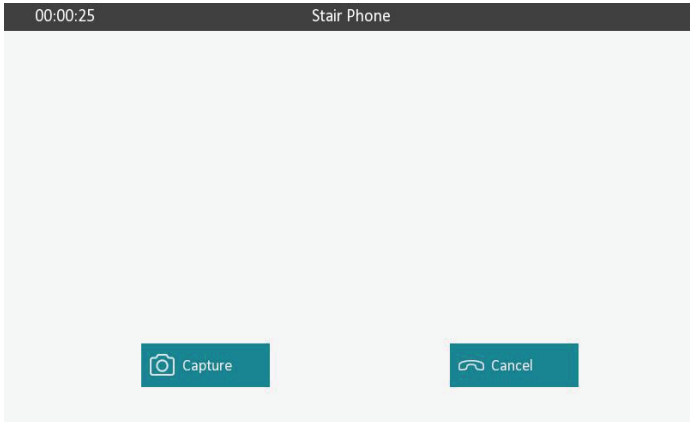


Figure 2.4.1-2 Live view video

2.5. Message

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

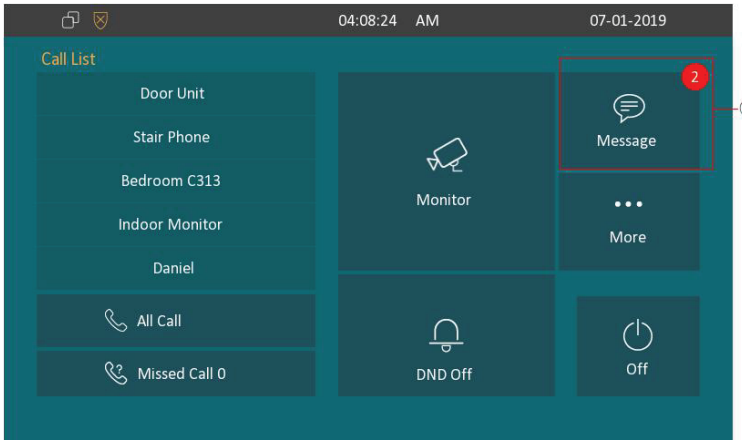


Figure 2.5 Message

2.5.1. Text Message

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

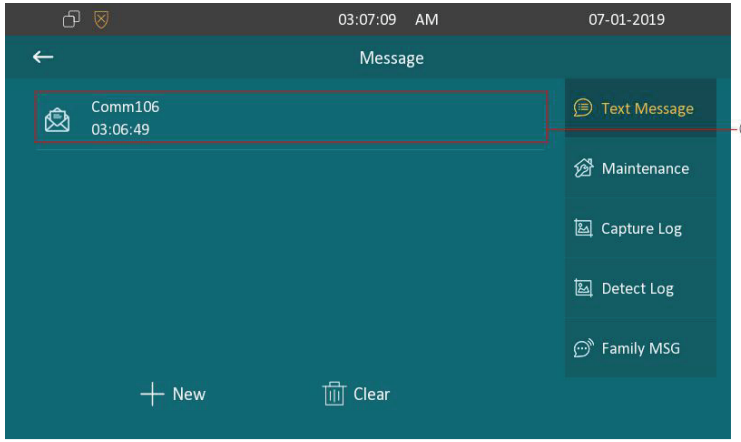


Figure 2.5.1-1 Text message

2.5.1.1. Creating a Text Message

- Press **New** key ① to create a new text message.
- Enter the destination number manually ② or select the device quickly from the below list ③ .
- Input the message content which users want to send ④.
- Press **Send** key ⑤ to send.

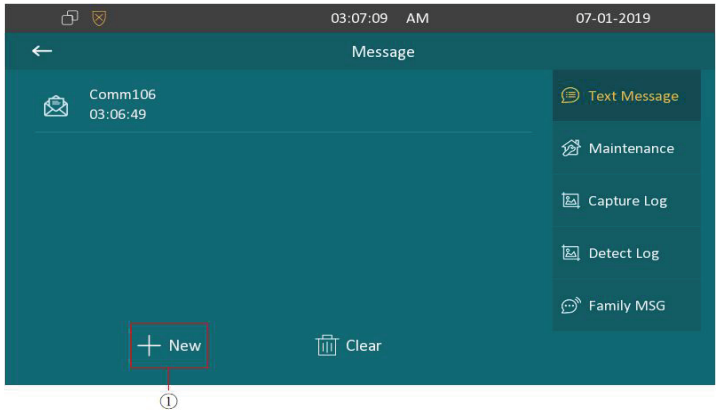


Figure 2.5.1.1-1 Create a text message

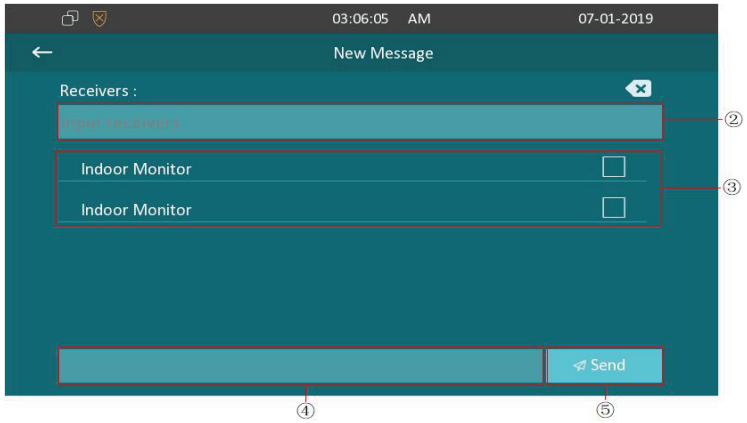


Figure 2.5.1.1-2 Create a text message

2.5.1.2. Deleting a Text Message

- Press **Clear** ① and select text message ② first.
- Click **Select All** ③ to select all message in the message lists.
- Click **Delete** ④ to delete the messages have been selected.
- Click **Cancel** ⑤ to cancel the operation.
- Click **Back** icon ⑥ to exit the message interface.

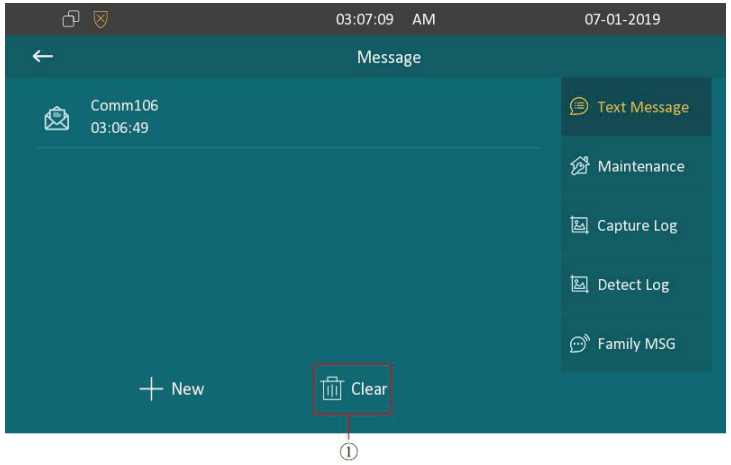


Figure 2.5.1.2-1 Delete a text message

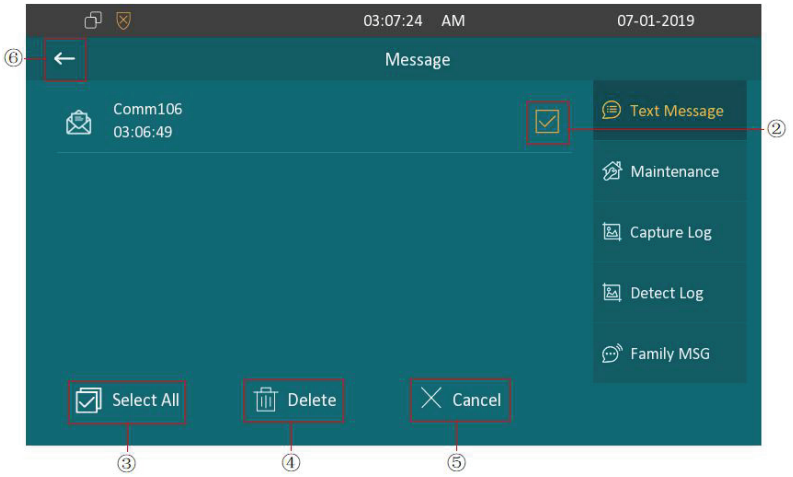


Figure 2.5.1.2-2 Delete a text message

2.5.2. Audio Message

- Tap the **Family MSG** ① to view the audio messages from family members who record in VRX-307 directly in details.

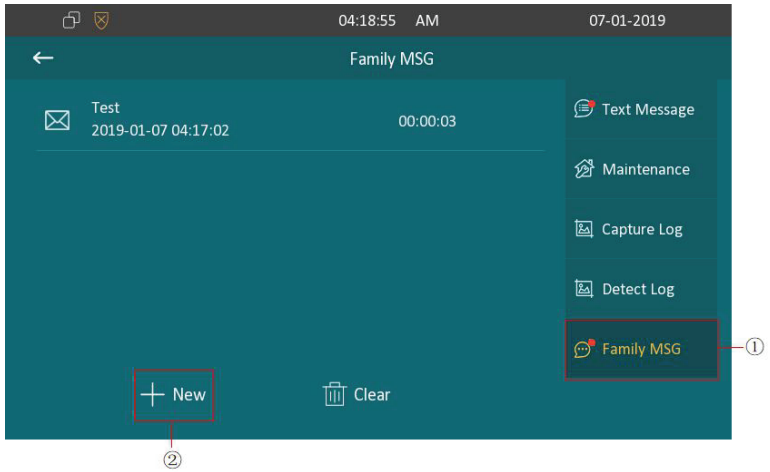


Figure 2.5.2 Audio Message

2.5.2.1. Creating an Audio Message

- Press **New** key ② to create a new audio message.
- Press **Record** key ③ which family members want to remind users.
- Press **Test** key ④ to check the audio message is complete, and **Volume** key ⑤ can adjust the audio volume.
- Press **Save** key ⑥ to add the audio message.
- Press **Delete** key ⑦ to cancel the operation.

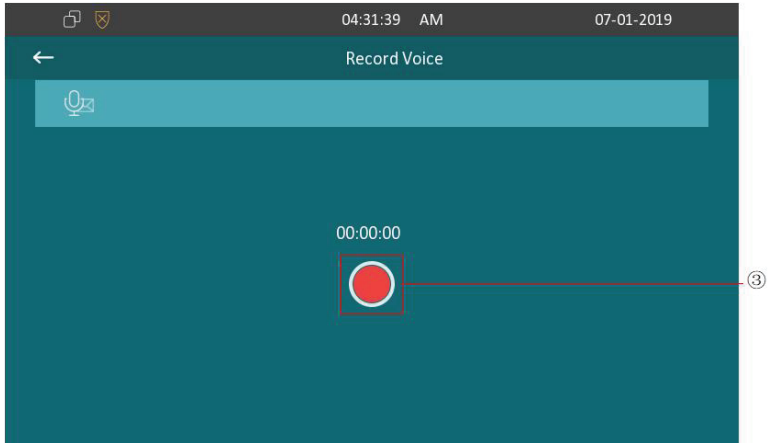


Figure 2.5.2.1-1 Create audio message

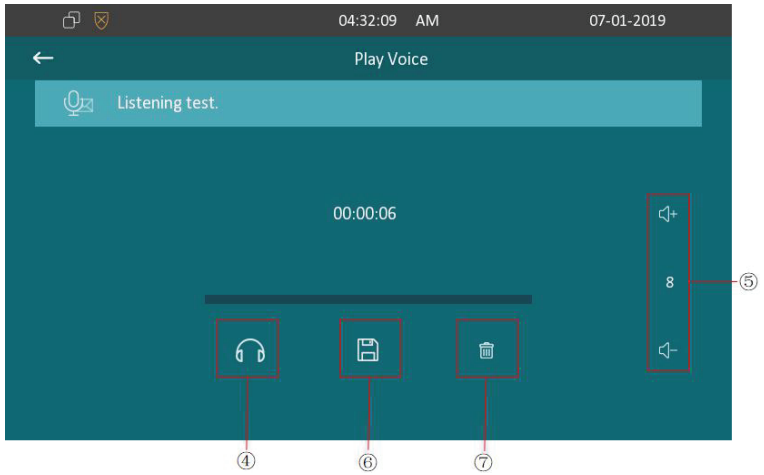


Figure 2.5.2.1-2 Create an audio message

2.5.2.2. Deleting an Audio Message

- Press **Clear** ① and select audio message ② first.
- Click **Select All** ③ to select all message in the message lists.
- Click **Delete** ④ to delete the messages have been selected.
- Click **Cancel** ⑤ to cancel the operation.

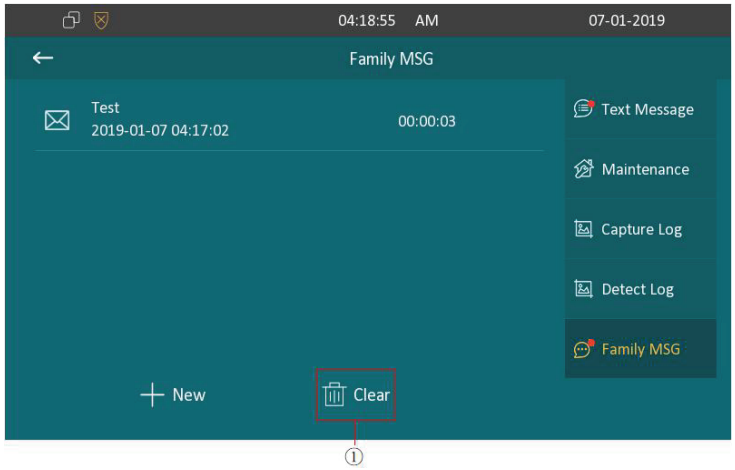


Figure 2.5.2.2-1 Delete an audio message

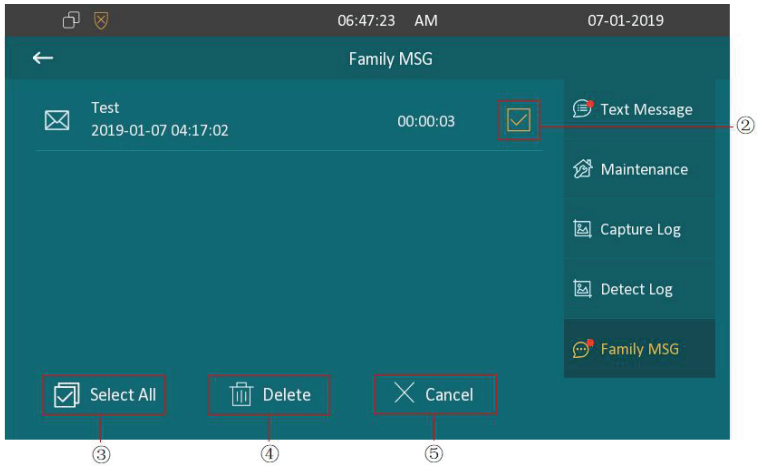


Figure 2.5.2.2-2 Delete an audio message

2.6. Arming

Tap **Arming** to enter the “Arming” interface. Arming feature is not displayed by default. Users could choose to display “Arming” on the home /more page, please refer to chapter 3.4.12 about the feature display setting.

VRX-307 supports 4 modes, including **Home** mode, **Night** mode, **Away** mode and **Disarmed** mode.

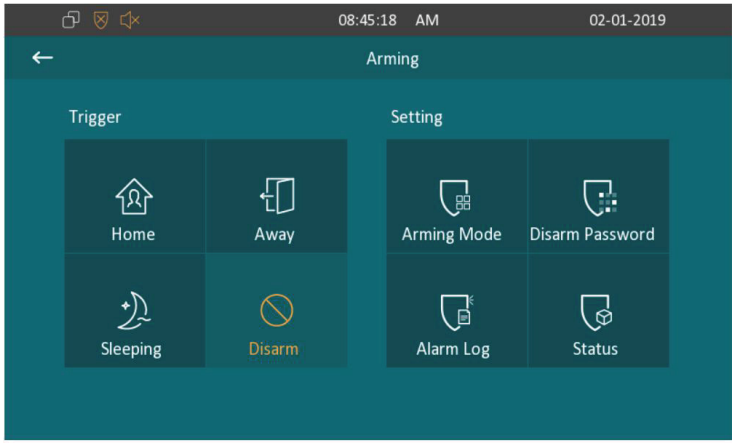


Figure 2.6 Arming

2.6.1. Arming Mode

On the device, 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.

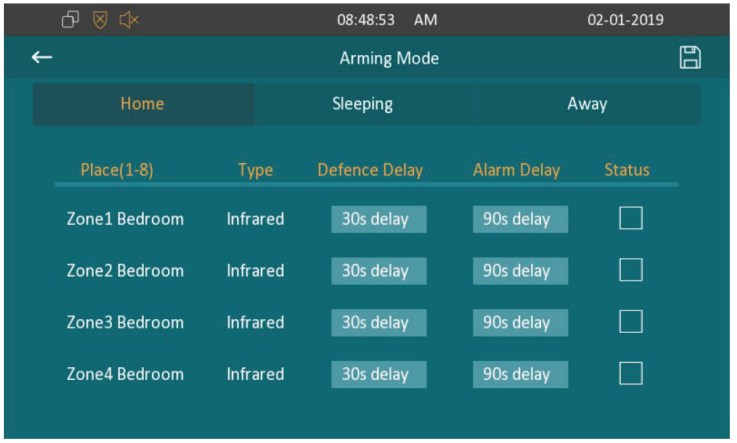


Figure 2.6.1-1 Arming mode

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

On the web portal, users can go to **Arming - Arming Mode** to configure.

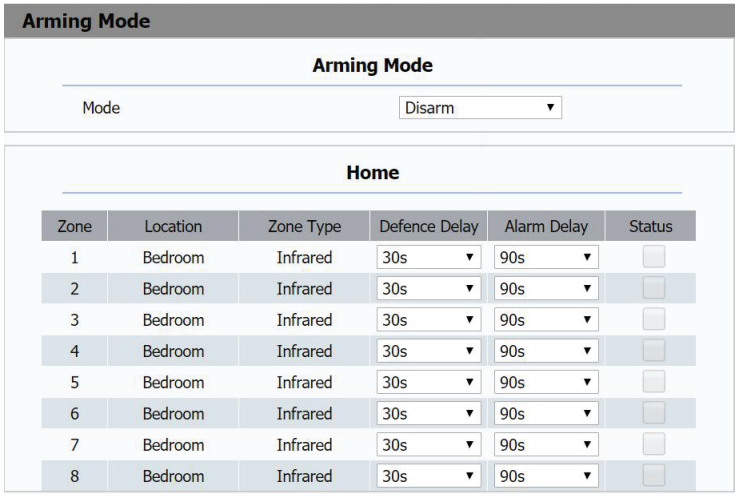


Figure 2.6.1-2 Arming mode

2.6.2. Disarm Password

On the device, go to **Arming - Disarm Password** to enter the disarm password settings interface. Users can modify the disarm password here.

- Enter the **original password** first, and it is 0000 by default.
- Enter the **new password**.
- Enter the **confirm password** for confirming.

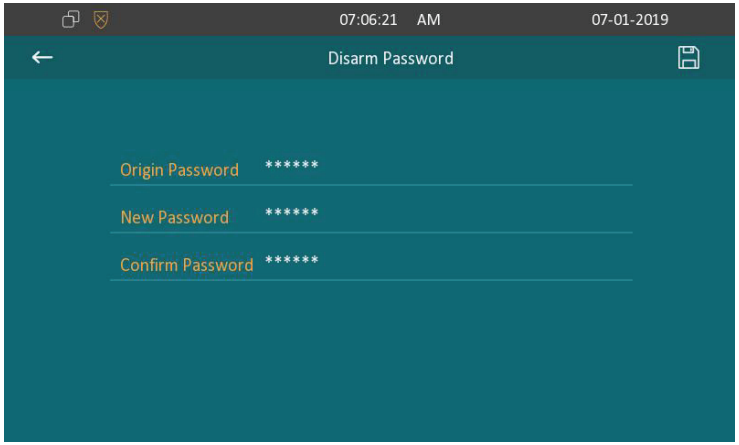


Figure 2.6.2-1 Disarm password

- Press **Save** key to save the modification.

On the web portal, users can go to **Arming - Disarm Code** to configure.

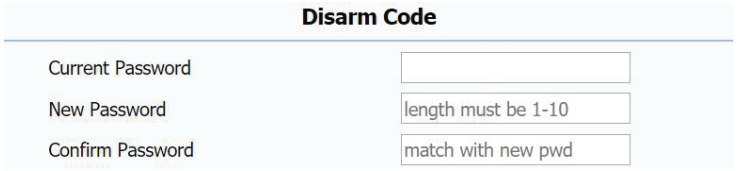


Figure 2.6.2-2 Disarm password

2.6.3. Alarm Log

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

- Select an **alarm log** ① first.
- Press this icon ② to delete the selected alarm log.
- Press this icon ③ to delete all alarm log.

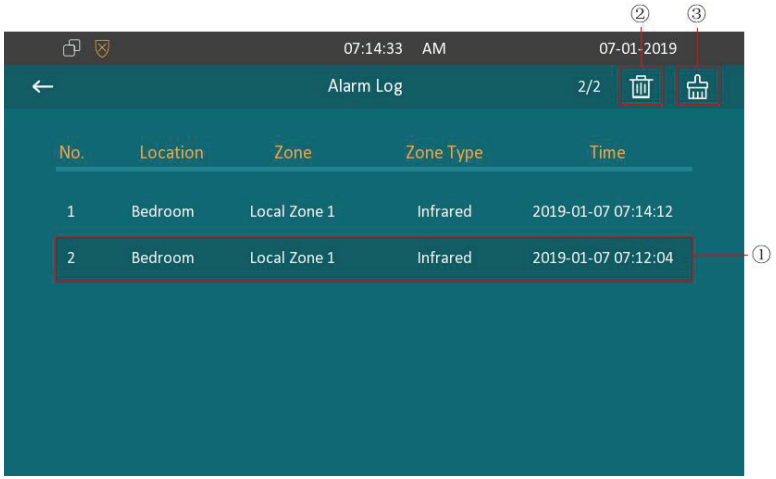


Figure 2.6.3 Alarm log

2.6.4. Status

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

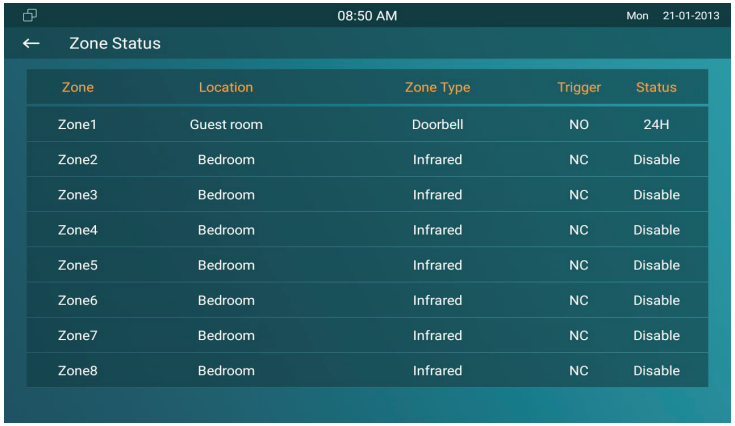


Figure 2.6.4 Zone status

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 μ-Law

PCAP: Packet Capture

PNP: Plug and Play

RFID: Radio Frequency Identification

RTP: Real-time Transport Protocol

RTSP: Real Time Streaming Protocol

MPEG: Moving Picture Experts Group

MWI: Message Waiting Indicator

NO: Normal Opened

NC: Normal Connected

NTP: Network Time Protocol

NAT: Network Address Translation

NVR: Network Video Recorder

ONVIF: Open Network Video Interface Forum

SIP: Session Initiation Protocol

SNMP: Simple Network Management Protocol

STUN: Session Traversal Utilities for NAT

SNMP: Simple Mail Transfer Protocol

SDMC: SIP Devices Management Center

TR069: Technical Report069

TCP: Transmission Control Protocol

TLS: Transport Layer Security

TFTP: Trivial File Transfer Protocol

UDP: User Datagram Protocol

URL: Uniform Resource Locator

VLAN: Virtual Local Area Network

WG: Wiegand

Contact us

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