MyBell

2-Wire Indoor Monitor

EN - Instructions and warnings for installation and use

0.5

CONTENT

1 IMPORTANT SAFEGUARDS AND WARNINGS

- ⚠ **CAUTION! – Any use other than that specified herein or in environmental conditions other than those stated in this manual is to be considered improper and is strictly forbidden!**
- ⚠ **CAUTION! – Important instructions: keep this manual in a safe place to enable future product maintenance and disposal procedures.**
- ⚠ **CAUTION! – All installation and connection operations must be performed exclusively by suitably qualified and skilled personnel with the unit disconnected from the mains power supply.**
- ⚠ **CAUTION! – This manual contains important instructions and warnings for personal safety. Read carefully all parts of this manual. If in doubt, suspend installation immediately and contact Nice Technical Assistance.**

- The product packaging materials must be disposed of in full compliance with local regulations.
- Never apply modifications to any part of the device. Operations other than those specified can cause malfunctions. The manufacturer declines all liability for damage caused by makeshift modifications to the product.
- Never place the device near the sources of heat or expose to naked flames. These actions can damage the product and cause malfuntions.
- This product isn't intended for use by people (including children) with reduced physical, sensory or mental capabilities or who lack experience and knowledge, unless they are supervised by a person responsible for their safety.
- This product isn't a toy. Keep away from children and animals!
- The device is designed to operate in an electrical home installation. Faulty connection or use can result in a fire or electric shock.
- Even when the device is turned off, voltage can be present at its terminals. Any maintenance introducing changes to the configuration of connections or the load must be always performed with a disabled fuse.
- Don't use in damp or wet locations, near a bathtub, sink, shower, swimming pool, or anywhere else where water or moisture are present.

2 DEVICE DESCRIPTION

The MyBell 2-Wire Indoor Monitor multifunctional communicator, with a Linux operating system, provides audio and video communication with door phones via SIP 2.0 protocol. It delivers the ultimate touch screen experience in an unobtrusive, space-saving design featuring a brilliant 7-inch capacitive touch screen display.

Table A1 - MyBell 2-Wire Indoor Monitor - Device description

Feature	Description
Operation system	Linux
RAM	64 MB
ROM	128 MB
Front panel	plastic
Wi-Fi	IEEE802.11b/g/n, @2.4GHz
Ethernet	yes
Power over Ethernet (PoE)	no
Power supply	24 V DC
RS485 port	supported
Alarm input	8
Relay output	1
Bell in	1
I/O	8
Microphone	-58dB
Speaker	4Ω / 2W
2-wire ports	2 pairs
Ethernet ports	1xRJ45, 10/100Mbps adaptive
Installation	wall-mounted & desktop
Dimension	200.2x132.2x27.2mm
Working humidity	10~90%
Working temperature	-10°C ~ +45°C
Storage temperature	-20°C ~ +70°C
Touch screen display mode	normally white, transmissive
Display	7-inch (176 mm) TFT LCD
Screen	7-inch capacitive touch screen
Screen resolution	800 x 480
Screen contrast ratio	500:1
Luminance	220 cd/m^2
Viewing angle	50° Left, 50° Right, 40° Upper, 50° Lower
Touch Screen	projected capacitive
Audio	SIP v1 (RFC2543), SIP v2 (RFC3261)
Narrowband audio codec	G.711a, G.711μ, G.729
Broadband audio codec	G.722
DTMF	Out-of-band DTMF (RFC2833), SIP Info
Echo cancellation	yes
Supported networking protocols	IPv4, HTTP, HTTPS, FTP, SNMP, DNS, NTP, RTSP, RTP, TCP, UDP, ICMP, DHCP, ARP

Table A1 - MyBell 2-Wire Indoor Monitor - Device description	
Feature	**Description**
Video streaming format	H.264
Auto-Provisioning	yes
Web management portal	yes
Web-based packet dump	yes
Configuration backup / restore	yes
Firmware upgrade	yes
System logs (including door access logs)	yes
Application scenario	Old villas retrofit, Old apartment retrofit

3 INTRODUCTION TO THE CONFIGURATION MENU

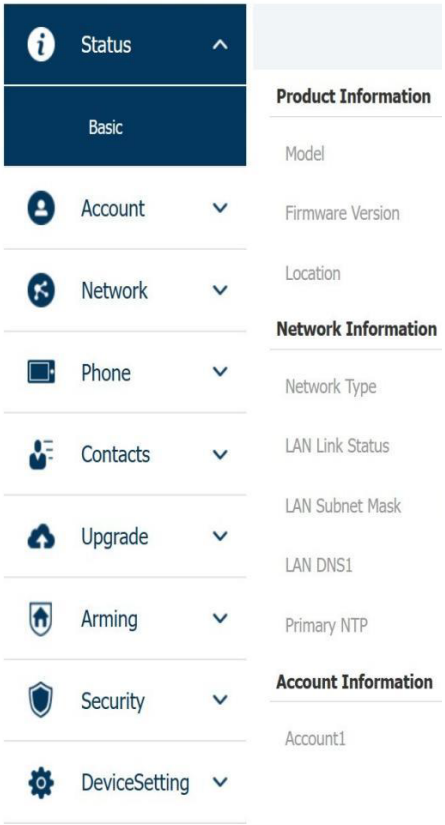


Table A2 - MyBell 2-Wire Indoor Monitor - Configuration Menu

Section	Description
Status	This section gives you basic information such as product information, network information, and account information.
Account	This section concerns SIP account, SIP server, proxy server, transport protocol type, audio & video codec, DTMF, session timer.
Network	This section mainly deals with DHCP & Static IP setting, RTP port setting, and device deployment.
Phone	This section includes time & language, call feature, screen display, multicast, audio intercom feature, monitor, relay, lift import & export, door log, and web relay.
Contacts	This section allows the user to configure the local contact list stored in the device.
Upgrade	This section covers a firmware upgrade, device reset & reboot, configuration file auto-provisioning, and PCAP.
Arming	This section covers the configuration including arming zone setting, arming mode, disarm code, and alarm action.
Security	This section is for a password modification, account status & session time out configuration, and service location switching.
Device Setting	This section includes the RTSP and power output.

4 ACCESS TO THE DEVICE

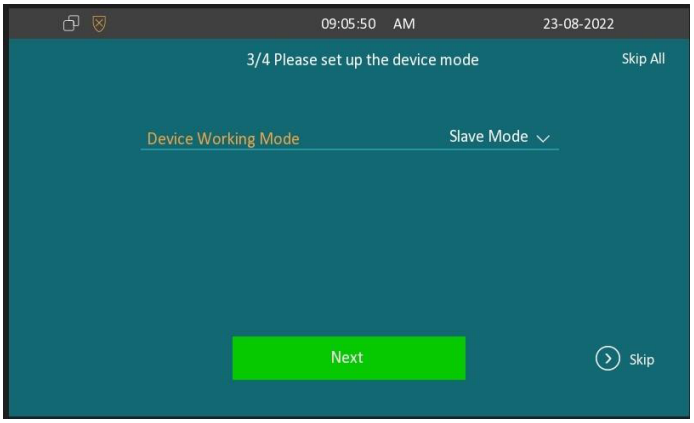
You can access MyBell 2-Wire Indoor Monitor system settings either on the device directly or using the device web interface.

4.1 - Device start-up selection

When you first start up MyBell 2-Wire Indoor Monitor, you need to perform start-up initialization, which includes a series of settings, such as language, time zone, networking method and network connection mode. Later you can also set time, language and network related setting.

Table A3 - MyBell 2-Wire Indoor Monitor - Configuration of the network connection mode

Setting	Description
Auto Mode	One of the devices is randomly selected as the master device. The master device provides the network to the sub-devices connected to it.
Master Mode	The device works as a master device for the house, the other devices connect with the master device and get the network from the master device
Slave Mode	The device works as a sub-device for the house and gets the network from the master device.



4.2 - Device home screen type selection

The device supports two different home screen display modes:

- **Call list simple**
- **Classic**

To configure home page mode by the web interface:

Phone > Key/ Display

Choose one suitable mode for your scenarios.

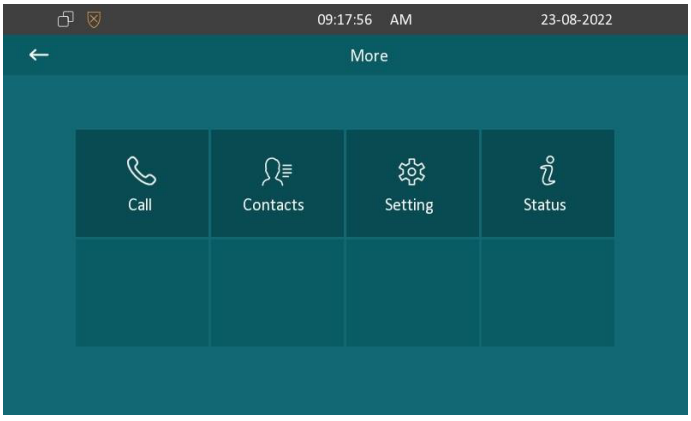
4.3 - Access to the device setting on the device

4.3.1 - Access to the device basic setting

You can access the device basic setting and advance setting where you can configure different types of functions as needed.

To access the device basic setting:

More > Settings

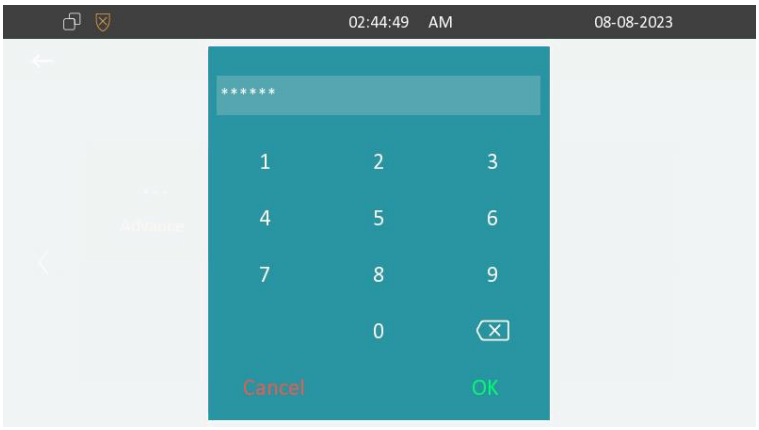


4.3.2 -Access to the device advanced setting

To access the device advanced basic setting:

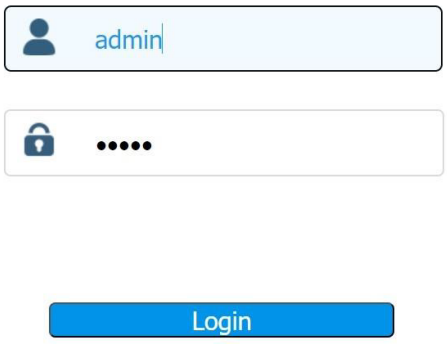
More > Advance Settings

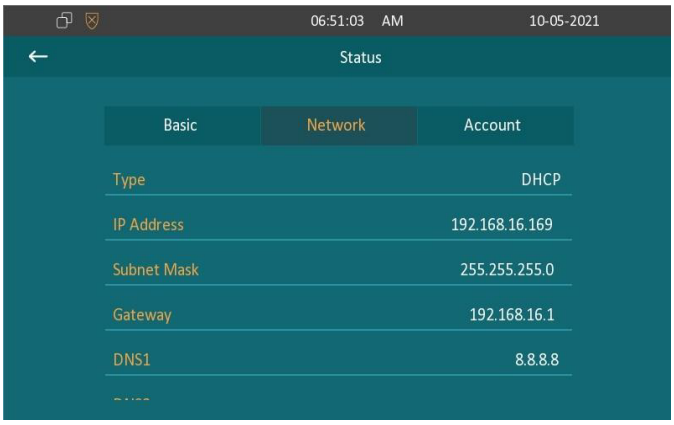
Press password **123456** (by default) to enter the advance setting.



4.4 - Access to the device setting by the web interface

You can enter the device IP address in the web browser to log into the device web interface where you can configure settings.
The default username and password are **admin**.





5 LANGUAGE AND TIME SETTING

5.1 - Language setting

Set up the language during an initial device setup or later on the device or by the web interface according to your preference.

5.1.1 - Language setting on the device

To configure the language display on the device:

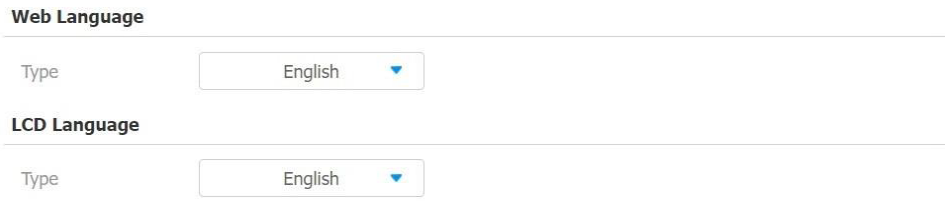
Settings > Language

5.1.2 - Language setting by the web interface

You can select device language, device language icons, and customize interface text including configuration names and prompt text.

To configure the language display using the web interface:

Phone > Time/Lang



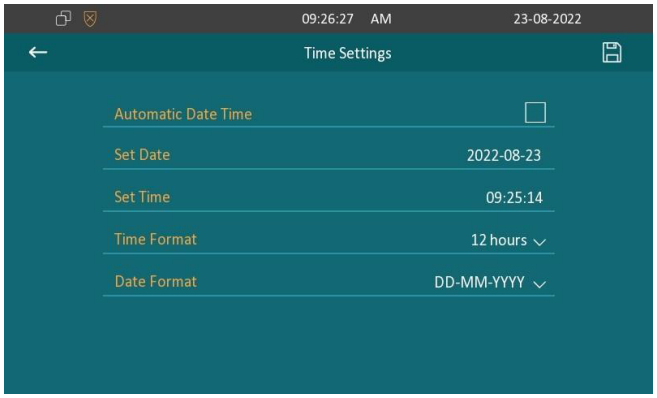
5.2 - Time setting

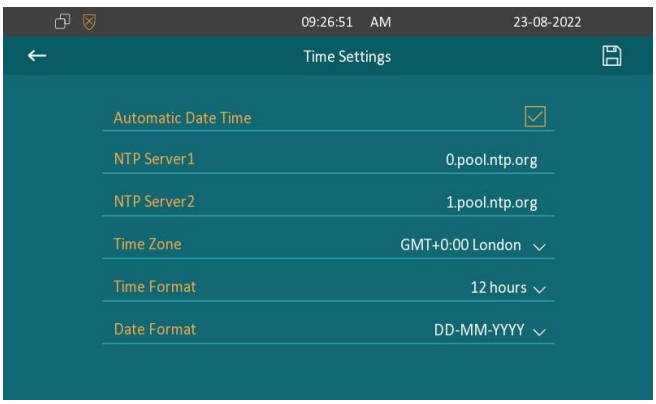
Time settings, including time zone, date and time format, can be configured either on the device or by the web interface.

5.2.1 - Time setting on the device

To configure time on the device:

More > Setting > Time





Parameter Set-up

- **Automatic Date Time** - the NTP-based automatic date time is switched on by default, which allows the date & time to be automatically set up and synchronized with the default time zone and the Network Time Protocol (NTP) server. You can also set it up manually by ticking the check box and then entering the time and date you want and pressing the **Save** tab to save the setting.
- **NTP Server1&2** - Enter the NTP server you obtained in the NTP server field.

Note.

When the NTP-based automatic date time is switched off, settings related to the NTP server are non-editable.

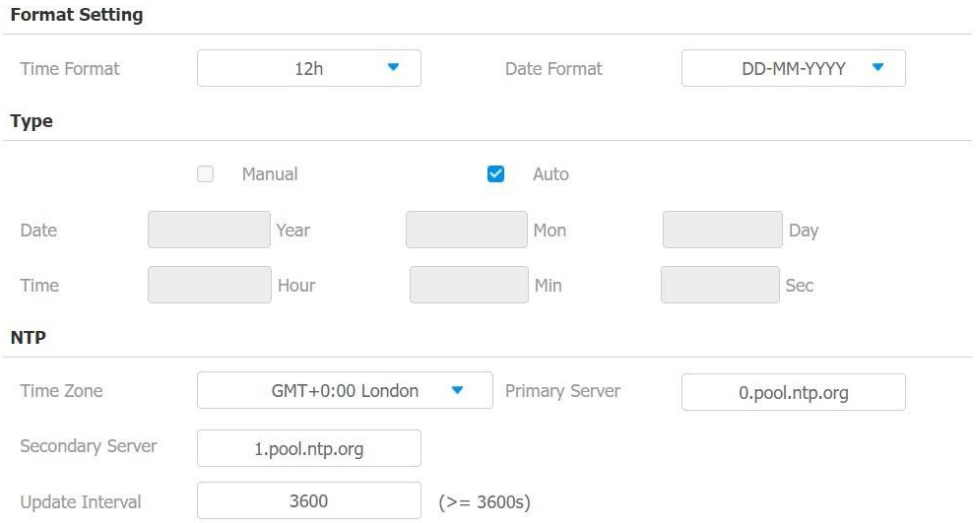
When the NTP-based automatic date time is switched on, time and date are denied editing.

5.2.2 - Time setting by the device web interface

You can synchronize automatically your time and date by setting up the NTP server address that you obtained. When a time zone is selected, the device notifies the NTP server of the time zone so that the NTP server can synchronize the time zone setting in your device.

To configure time by the device web interface:

Phone > Time/Lang



5.2.3 - Daylight saving time setting

The daylight Saving Time is the practice of advancing clocks (typically by one hour) during warmer months so that darkness falls at a later clock time. You can modify the time settings to achieve longer evenings or daytime, especially in summer.

To configure the daylight saving time by the device web interface:

Phone > Time/Lang

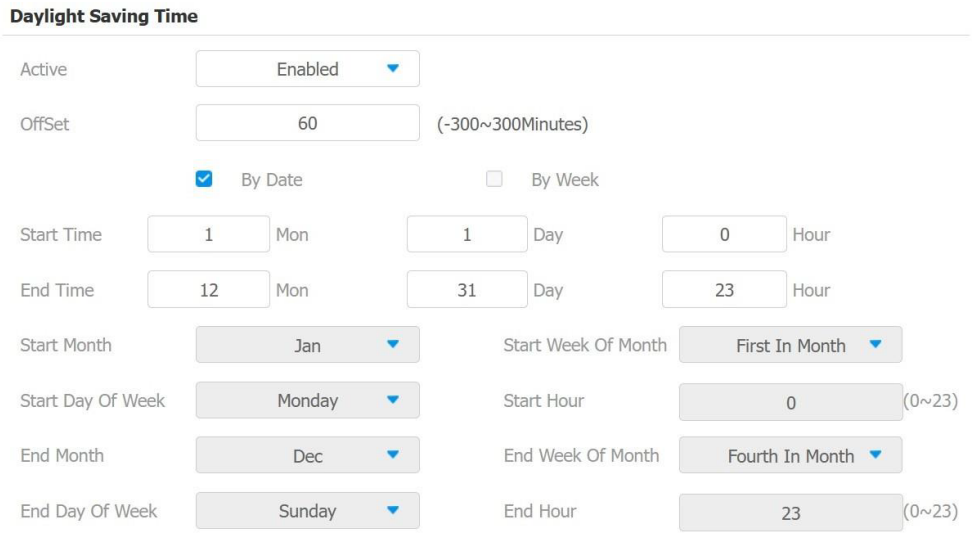


Table A4 - MyBell 2-Wire Indoor Monitor - Configuration of the daylight saving time

Setting	Description
Active	To enable or disable the daylight saving time. You can also configure it to make the device adjust the daylight saving time automatically.
Offset	To set the offset value. The default value is 60 minutes, which sets the clocks an hour ahead of the standard time.
By Date	To set the date schedule for the daylight saving time
By Week	To set the schedule for the daylight saving time according to the week and month

6 SCREEN DISPLAY CONFIGURATION

The device enables you to enjoy a variety of screen displays to enrich your visual experience through settings customized to your preference.

6.1 - Screen display setting on the device

You can configure a variety of features of the screen display such as brightness or a screen saver.

To configure a screen display on the device:

More > Setting > Display

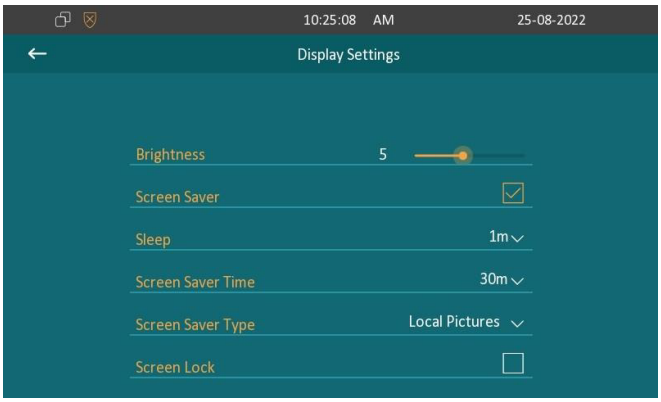


Table A5 - MyBell 2-Wire Indoor Monitor - Configuration of the daylight saving time

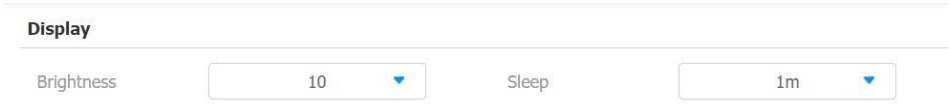
Setting	Description
Brightness	Press on the brightness setting and move the yellow dot to adjust the screen brightness. The default brightness is 5.
Sleep	Set the sleep timing based on the screen saver. The time range is from 15 second to 30 minutes. • If the screen saver is enabled, the sleep time is the screen saver start time. For example, if you set the sleep timing to 1 minute, the screen saver starts automatically when the device has no operation for 1 min. • If the screen saver is disabled, the sleep time is the screen turn-off time. For example, if you set the sleep timing to 1 minute, the screen is turned off automatically when the device has no operation for 1 min.
Screen Lock	Tick the screen lock if you want to lock the screen after the screen is turned off (turn dark). You are required to enter the system code to unlock the screen or you can unlock the screen by facial recognition.
Screen Saver Time	Set the screen saver duration. The time range is from 15 minutes to 2 hours.
Screen Saver Type	Select screen saver type • **Local Pictures:** Display picture uploaded to the indoor monitor as the screen saver. • **Clock:** Display the clock as the screen saver.

6.2 - Screen display setting by the web interface

6.2.1 - Brightness and time setting by the device web interface

To configure brightness and sleep by the device web interface:

Phone > Key/Display > Display



6.2.2 - Screen saver configuration

To upload a screen saver by the web interface:

Phone > Display Setting > Screen Saver Setting

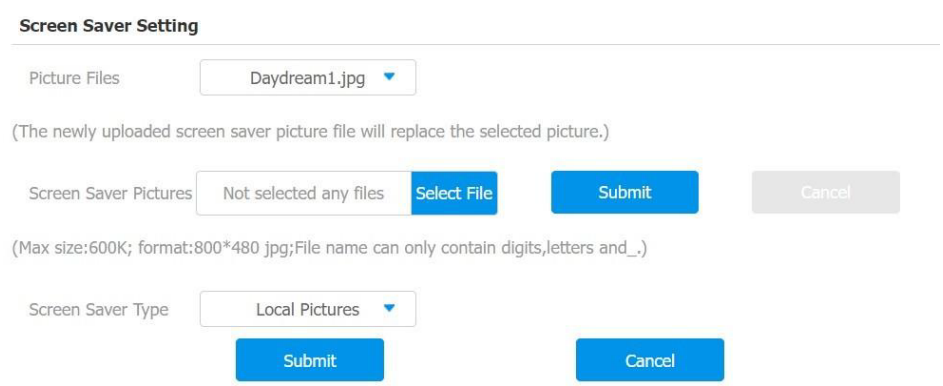


Table A6 - MyBell 2-Wire Indoor Monitor - Configuration of the screen saver	
Setting	**Description**
Picture File	Choose a picture file you want to use for the screen saver.
Screen Saver Pictures	Choose a picture from the PC and upload the picture to the indoor monitor.
Screen Saver Type	Select screen saver type • **Local Pictures:** Display picture uploaded to the indoor monitor as the screen saver. • **Clock:** Display the clock as the screen saver.

Note.

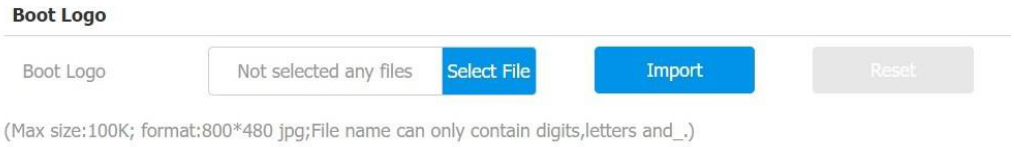
- The previous pictures with a specific ID order is overwritten when repetitive designation of pictures to the same ID order occurrs.
- The pictures uploaded should be in .jpg format with 600 k maximum.

6.3 - Uploading a device booting image

You can upload the booting image to be displayed during the device's booting process if needed.

To upload a booting image:

Phone > Logo > Boot Log



Note.

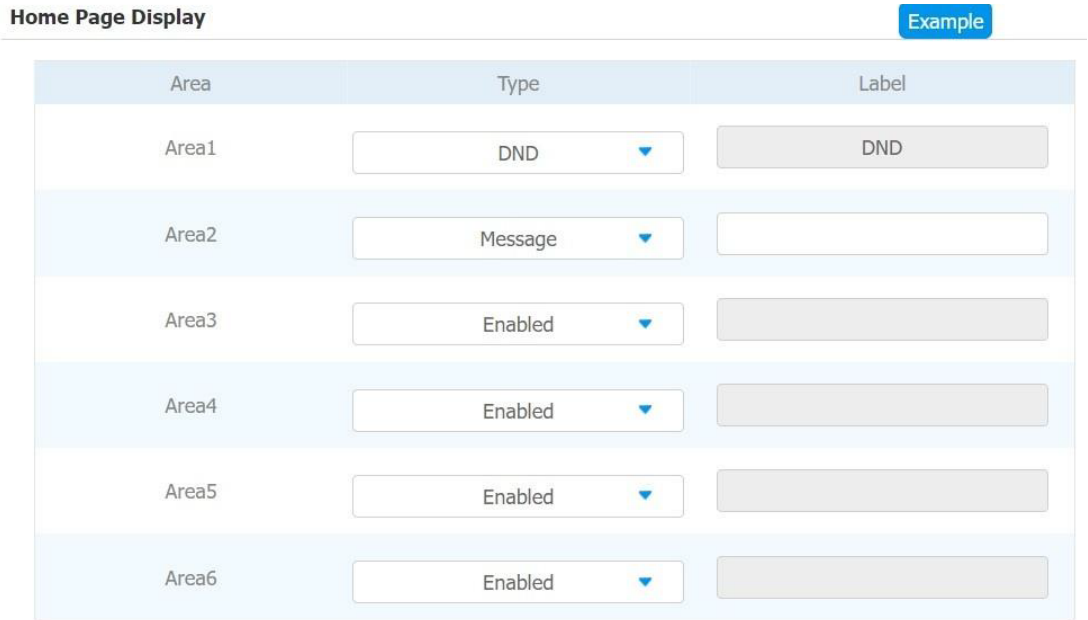
- The pictures uploaded should be in .png format with 50 k maximum.

6.4 - Icon screen display configuration

You can customize icon display on the Home screen and More screen for the convenience of your operation.

To customize icon display:

Phone > Key/Display



Setting

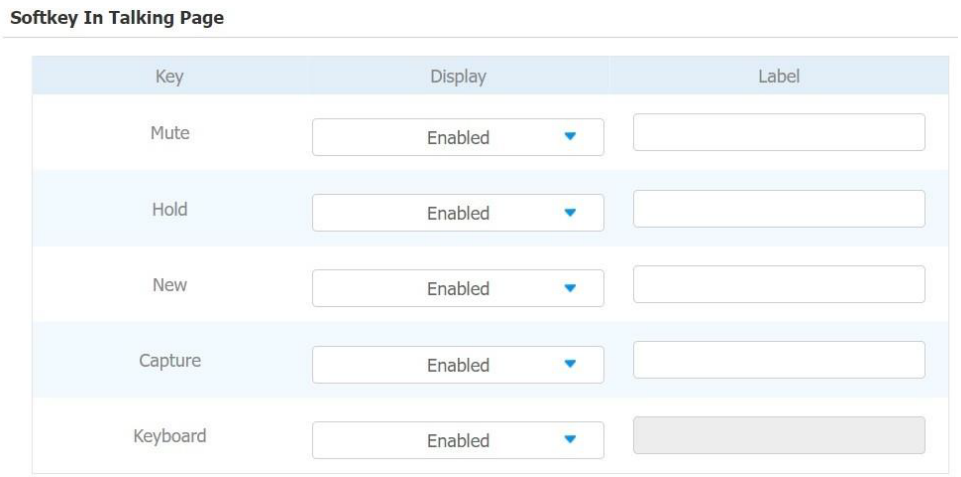
- **Type**: click to select among icon options (DND, Message, Contact, Call, Display, Status, Setting, Sound, Arming, SOS, Relay, Lift, Smart Living, Unlock, N/A). When N/A is selected, the icon displayed in the corresponding area disappears.
- **Label:** click to rename the icon if needed, while DND icon can't be renamed.
- You can configure 2 icons in area 1 and 2, or toggle whether to display area 3, 4, 5 and 6.
- You can configure 8 icons on the More screen.

6.5 - Functional buttons display

You can enable various types of functional buttons, which appear on the screen when you talk. You can also name the button if needed.

To configure functional buttons display:

Phone > Key/Display > Softkey In Talking Page

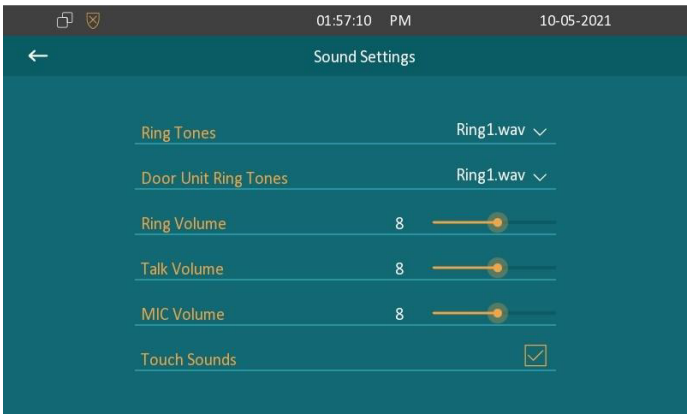


7 SOUND AND VOLUME CONFIGURATION

7.1 - Configuring volume on the device

To configure volume on the device:

More > Setting > Sound



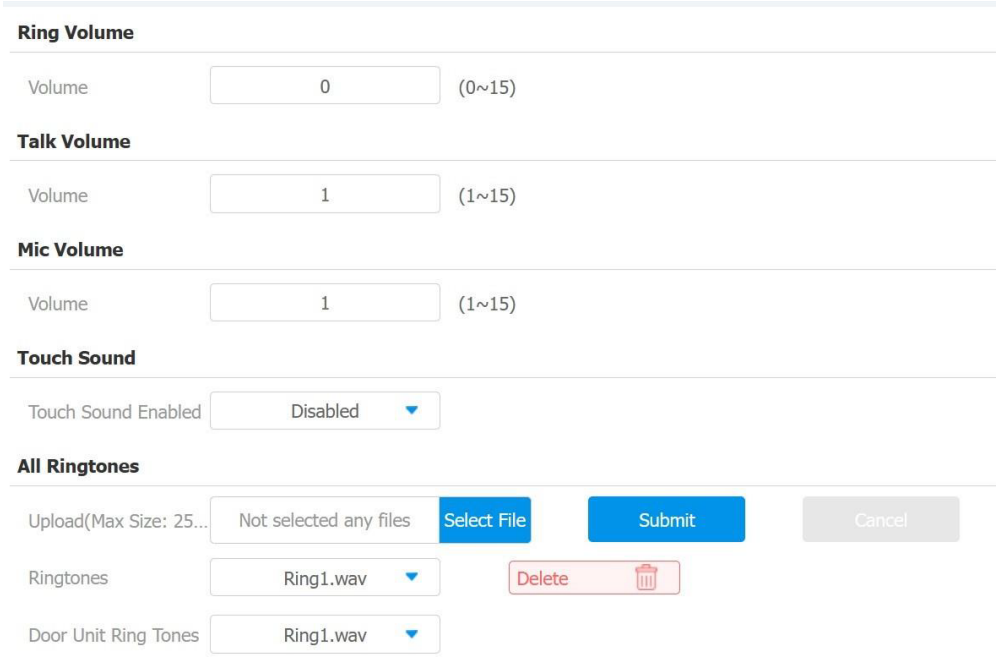
With **Door Unit Ring Tones** you can set ring tone when receiving calls from door units.

7.2 - Configuring volume by the web interface

By the web interface, you can set the ring volume or mic volume. You can also upload ringtones.

To configure volume by the web interface:

Phone > Audio



With **Door Unit Ring Tones** you can set ring tone when receiving calls from door units.

Note.

Doorbell sound files to be uploaded must be in .WAV format with 250 k maximum.

8 NETWORK CONFIGURATION

You can check the indoor monitor network connection info and configure the default Dynamic Host Configuration Protocol (DHCP) mode and a static IP connection for the device either on the device or by the device web interface.

8.1 - Configuring network connection on the device

To check and configure the network connection on the device:

More > Setting > Advance > Network

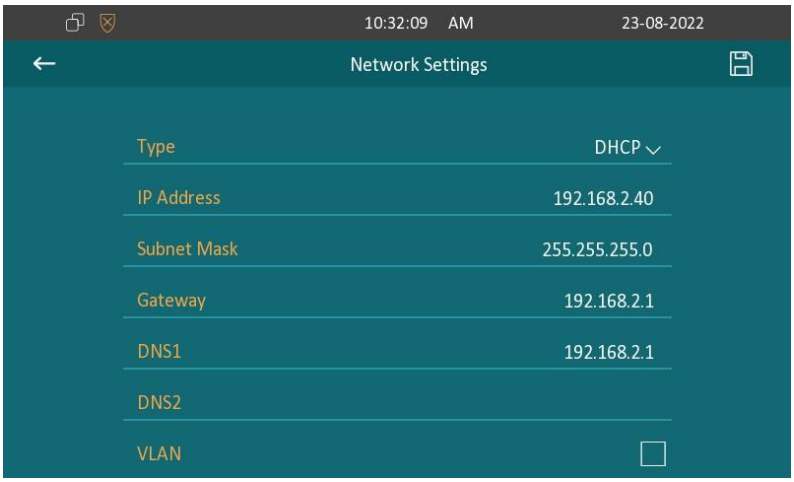


Table A7 - MyBell 2-Wire Indoor Monitor - Configuration of the network on the device

Setting	Description
Type	Select the **DHCP** mode or **Static IP** mode. DHCP mode is the default network connection. If the DHCP mode is selected, the indoor monitor is assigned by the DHCP server with IP address, subnet mask, default gateway, and DNS server address automatically. When Static IP mode is selected, the IP address, subnet mask, default gateway, and DNS servers address have to be configured manually according to your actual network environment.
IP Address	Set up the IP Address if the **Static IP** mode is selected.
Subnet Mask	Set up the subnet mask according to your actual network environment.
Gateway	Set up the gateway according to the IP address.
LAN DNS 1/2	Set up a preferred or alternate Domain Name Server (DNS) according to your actual network environment. The preferred DNS is the primary DNS address while the alternate DNS is the secondary DNS address. The indoor monitor connects to the alternate server when the primary DNS server is unavailable.

Note.

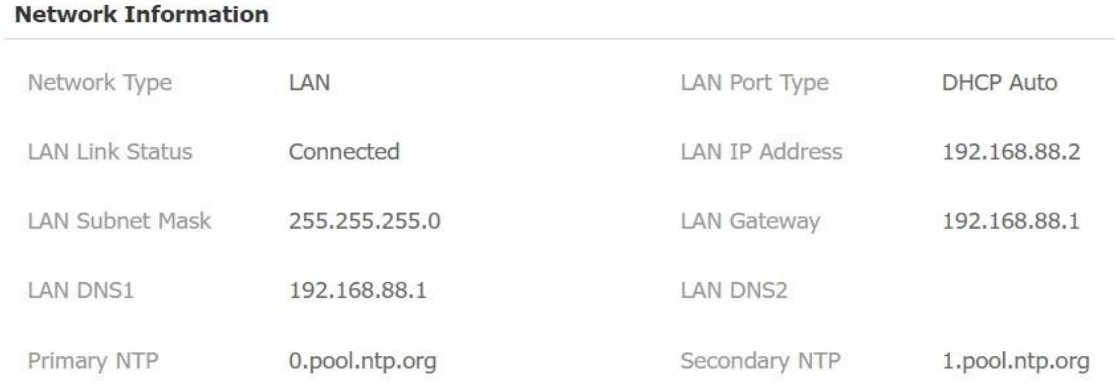
You can press **Status** icon and then press **Network** tab on the Setting screen to check the device network status.

The default system code is **123456** .

8.2 - Configuring network connection by the web interface

To check the network connection by the web interface:

Status > Network Information



To configure the network connection by the web interface:

Network > Basic

Table A8 - MyBell 2-Wire Indoor Monitor - Configuration of the network by the web interface	
Setting	**Description**
DHCP	Select the **DHCP** mode by ticking the DHCP box. The DHCP mode is the default network connection. If the DHCP mode is selected, the indoor monitor is assigned by the DHCP server with IP address, subnet mask, default gateway, and DNS address automatically.
Static IP	When the **Static IP** mode is selected, then the IP address, subnet mask, default gateway, and DNS address have to be configured manually according to your actual network environment.
IP Address	Set up the IP Address if the **Static IP** mode is selected.
Subnet Mask	Set up the subnet mask according to your actual network environment.
Gateway	Set up the gateway according to the IP address.
LAN DNS 1/2	Set up a preferred or alternate Domain Name Server (DNS) according to your actual network environment. The preferred DNS is the primary DNS address while the alternate DNS is the secondary DNS address. The indoor monitor connects to the alternate server when the primary DNS server is unavailable.

8.3 - Device deployment in the network

Indoor monitors should be deployed before they can be properly configured in the network environment in terms of their location, operation mode, address, and extension numbers for the convenience of management.

To deploy the device in the network by the web interface:

Network > Advanced > Connect Setting

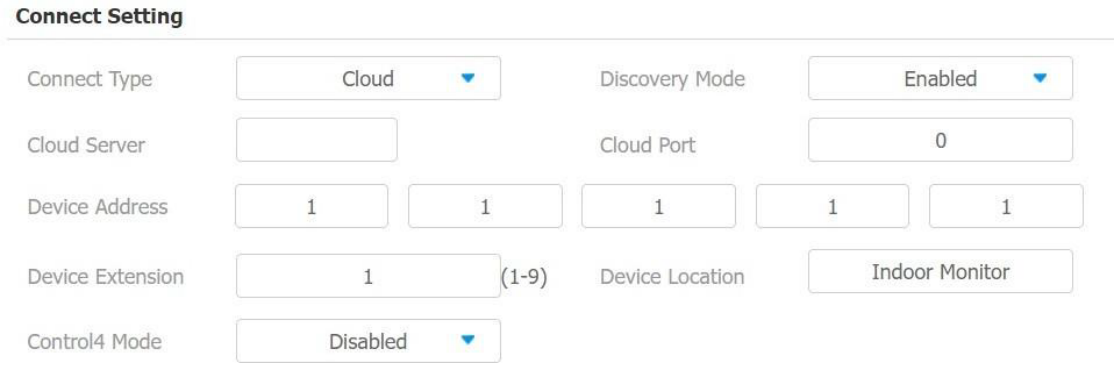


Table A9 - MyBell 2-Wire Indoor Monitor - The device deployment in the network	
Setting	**Description**
Connect Type	It's set up automatically according to the actual device connection with a specific server in the network such as **SDMC Cloud or None**. None is the default factory setting indicating the device isn't in any server type, therefore you are allowed to choose Cloud, SDMC in the discovery mode.
Cloud Server	If you deploy your devices in a local cloud server, enter the local server RPS address. The device data redirects to the local server automatically.
Cloud Port	Enter the local cloud server port for the data transmission.
Discovery Mode	Turn on the discovery mode of the device so that it can be discovered by other devices in the network, and disable it if you want to conceal the device so as not to be discovered by other devices.
Device Address	Specify the device address by entering device location info from the left to the right: **Community, Unit, Stair, Floor, Room** in sequence.
Device Extension	Enter the device extension number for the device you installed.
Device Location	Enter the location in which the device is installed and used to distinguish the device from others.

8.4 - Device NAT setting

Network Address Translation (NAT) enables hosts in an organization private intranet to connect transparently to hosts in the public domain.

There is no need for internal hosts to have registered Internet addresses. It is a way to translate an internal private network IP address into a legal network IP address technology.

To set up NAT by the web interface:

Account > Advanced > NAT

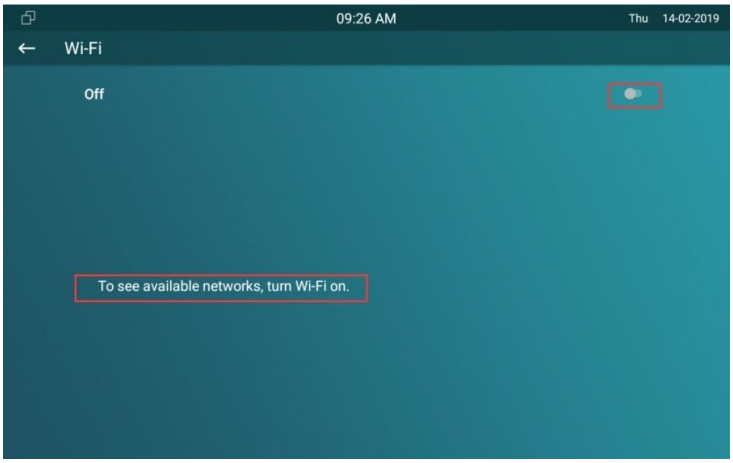
RPort option checks the RPort when the SIP server is in Wide Area Network (WAN).

8.5 - Device Wi-Fi setting

In addition to a wired connection, the device also supports Wi-Fi connection.

To set Wi-Fi on the device screen:

More > Setting > Advance > Network

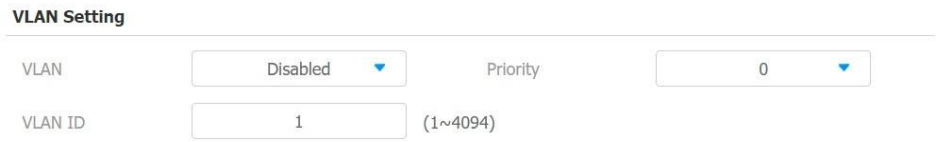


8.6 - VLAN setting

Virtual Local Area Network (VLAN) is a logical group of nodes from the same IP domain, regardless of their physical network segment. It separates the layer 2 broadcast domain through switches or routers, sending tagged packets only to ports with matching VLAN IDs. Utilizing VLANs enhances security by limiting ARP attacks to specific hosts and improves a network performance by minimizing unnecessary broadcast frames, thereby conserving bandwidth for increased efficiency.

To configure the VLAN function by the device web interface:

More > Setting > Advance > VLAN Setting

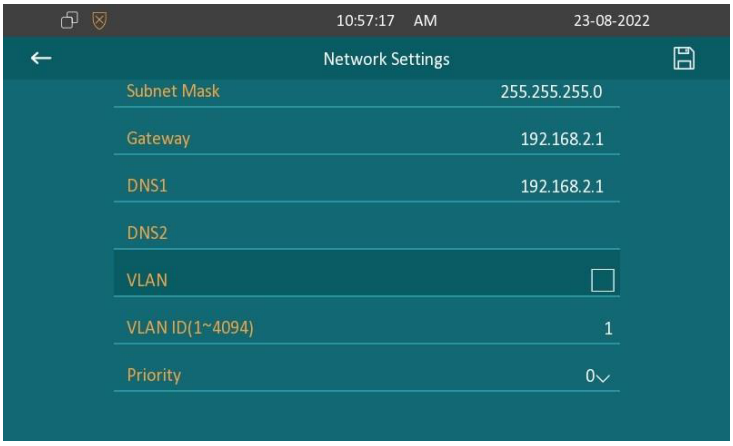


Setting:

- **Priority:** VLAN Priority lets you assign a priority to outbound packets containing the specified VLAN-ID (VID). Packets containing the specified VID are marked with the priority level configured for the VID classifier.
- **VLAN ID:** Set the same VLAN ID as the switch or router.

To configure the VLAN function on the device:

More > Setting > Advance > Network



9 PHONE BOOK CONFIGURATION

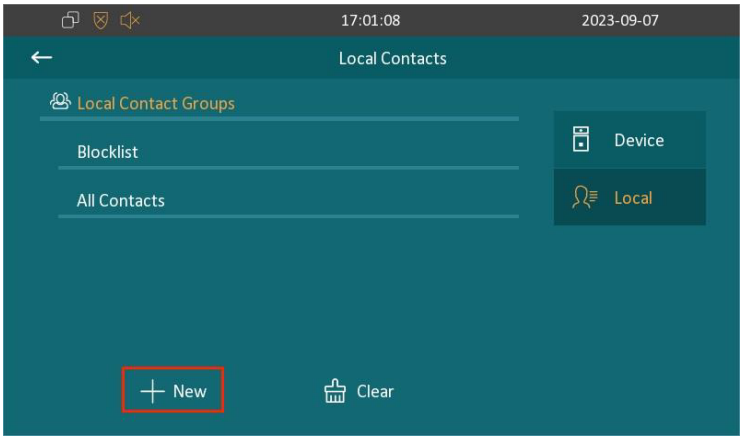
9.1 - Configuring the phone book on the device

You can create contacts and contact groups for users.

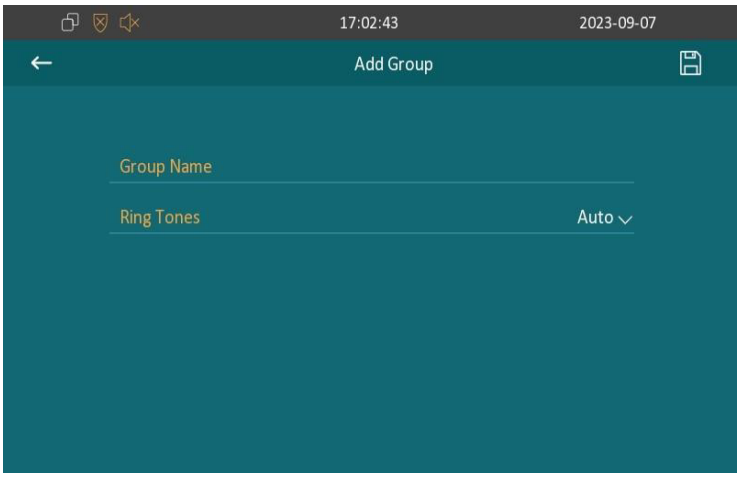
9.1.1 - Adding a contact group on the device

To add a contact group on the device screen:

More > Contacts > New



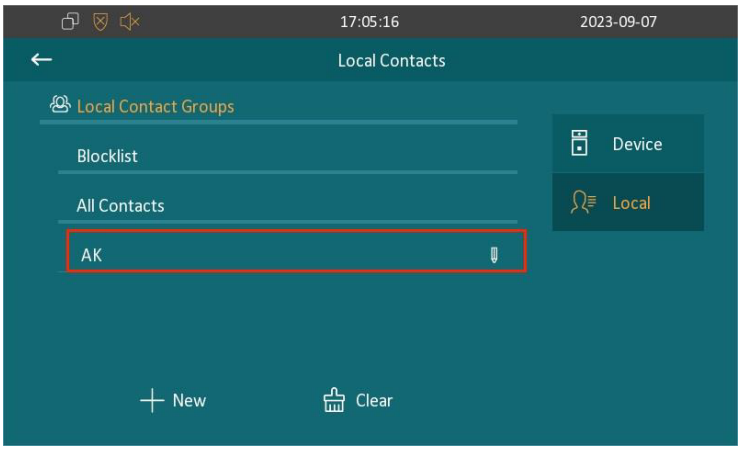
Enter a group name and press **Save** tab.

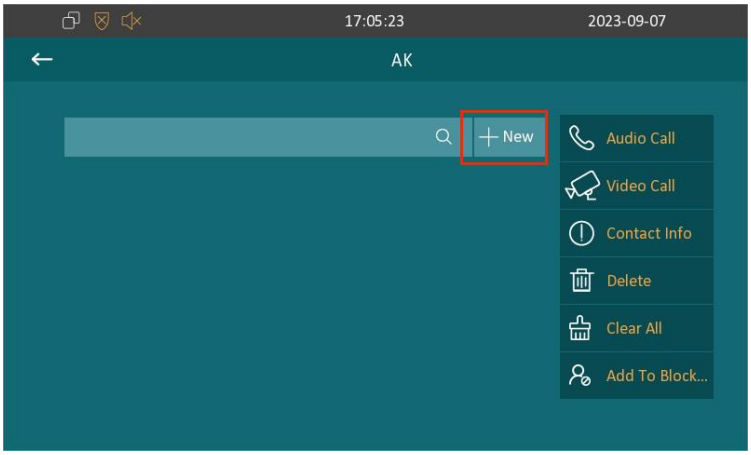


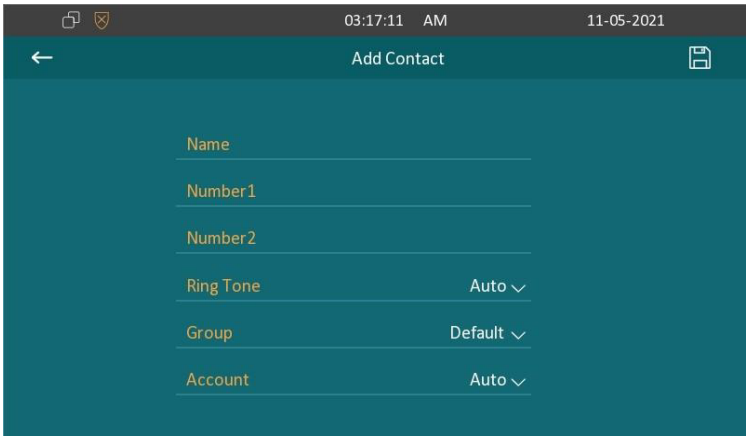
9.1.2 - Adding contacts on the device

To add a contact on the device screen:

More > Contacts > the desired group > New







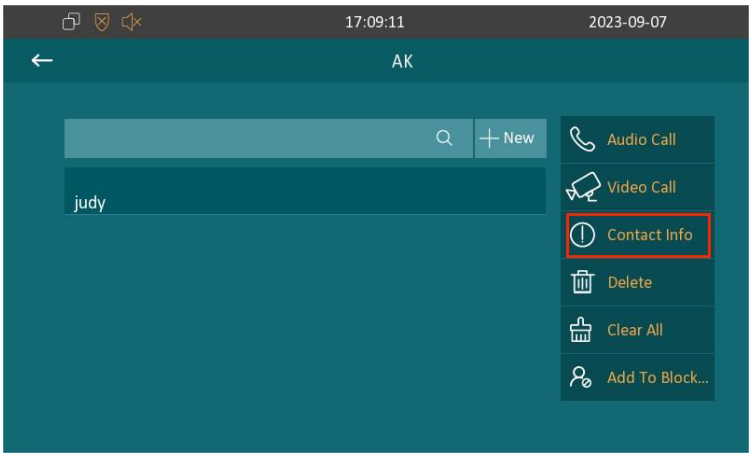
Setting:

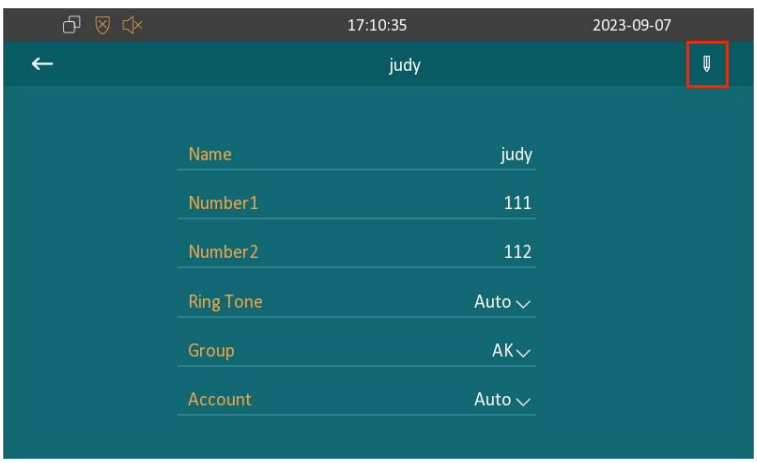
- **Number:** Enter the IP or SIP number.
- **Group:** Select Default or any other groups that were created.

9.1.3 - Editing contacts on the device

To edit a contact on the device screen:

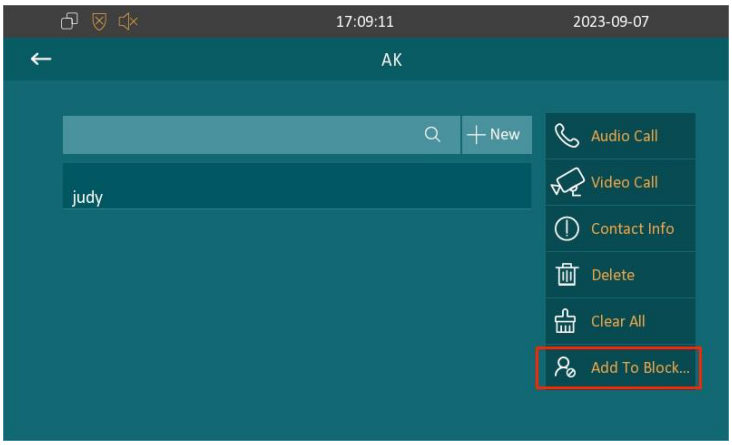
The desired contact > Contact Info > Edit





9.1.4 - Blocklist setting on the device

You can choose from the contact list the contact you want to add to the block list.
Configure the blocklist setting on the Contacts screen.



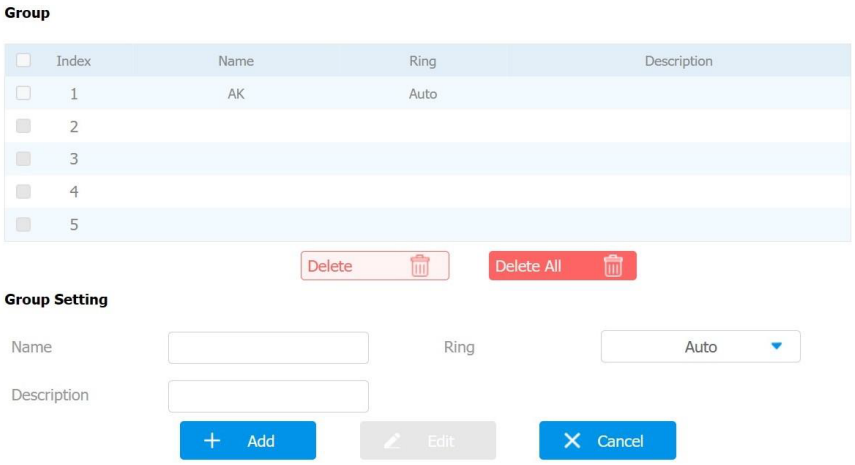
Note.
You can delete contacts regardless of whether it is on the All Contacts screen or the Blocklist screen.

9.2 - Phone book configuration by the web interface

9.2.1 - Contact group management by the web interface

You can create and edit a contact group for contacts. The contact group is used when you add a user.
To add or edit a contact group by the web interface:

Contacts > Local Contacts



The existing contacts are show in the below list after they are added.

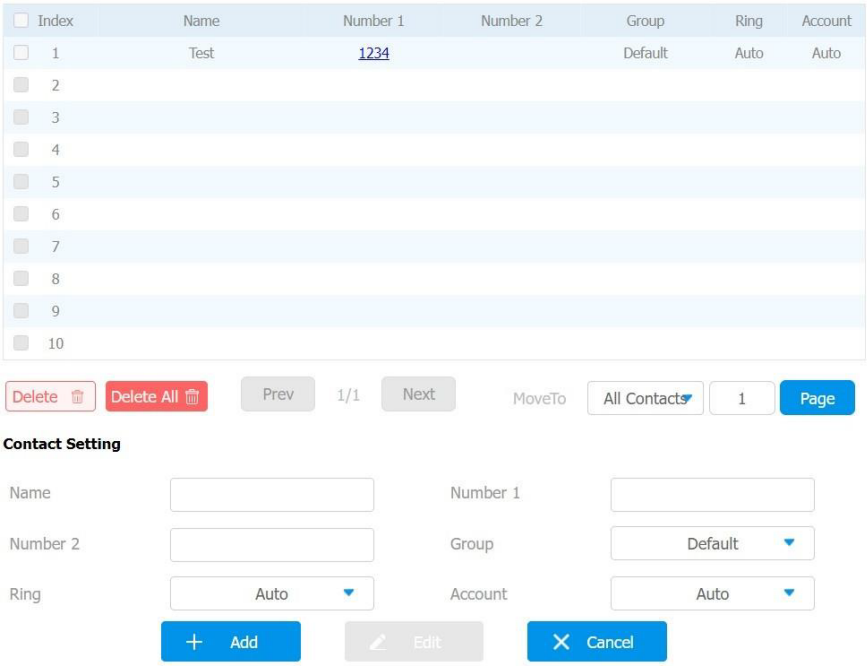
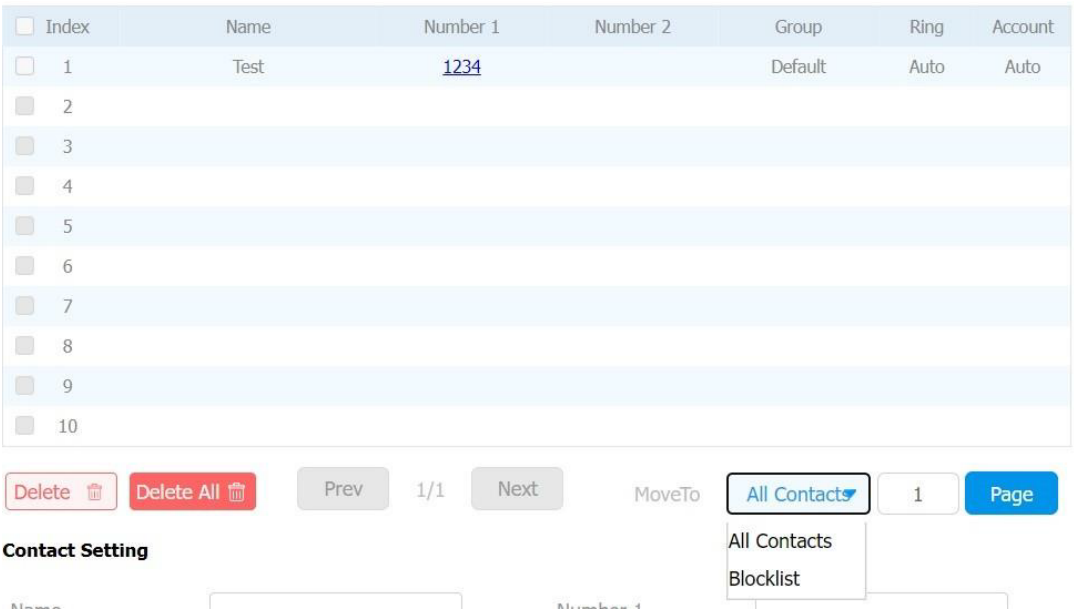


Table A10 - MyBell 2-Wire Indoor Monitor - Contact management by the web interface	
Setting	**Description**
Number	Enter the contact number (SIP or IP number) to be saved.
Group	Select Default, a Blocklist group or a group created.
Account	Select Account 1 or Account 2.

You can dial out a number using the contact phone number.
To dial out a number:
Contacts > Local Contacts.

9.2.2 - Blocklist setting by the web interface

You can set the blocklist directly in the contact list by the web interface or set it when editing a contact.
To block a contact by the web interface:
Contacts > Local Contacts > Local Contacts List



Note.
If you want to remove the contact from the blocklist by the web interface, you can change the group to **Default** when editing the contact.

9.2.3 - Contact display

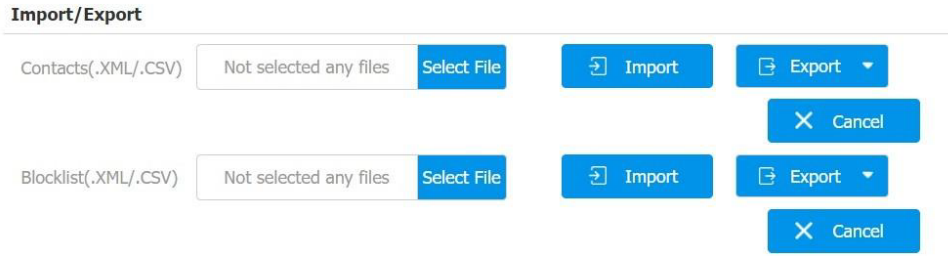
You can configure the contact display order and control whether to display the discovery device on the device.
To configure the contact display by the web interface:
Contacts > Local Contacts

Setting:

- **Contacts Sort By:** There are three modes **Default, ASCII Code** and **Created** Time for showing the contact list.
- **Show Local Contacts Only:** If the function is enabled, the contact on device shows only a local phonebook, the contact for discovery mode is hidden.

9.2.4 - Contacts import and export by the web interface

If there are too many contacts to manage them one by one manually, you can import and export them in batch using the device web interface.
To import and export contacts by the web interface:
Contacts > Local Contacts



Note.
The contact file can only be imported or exported in .xml or .csv format.

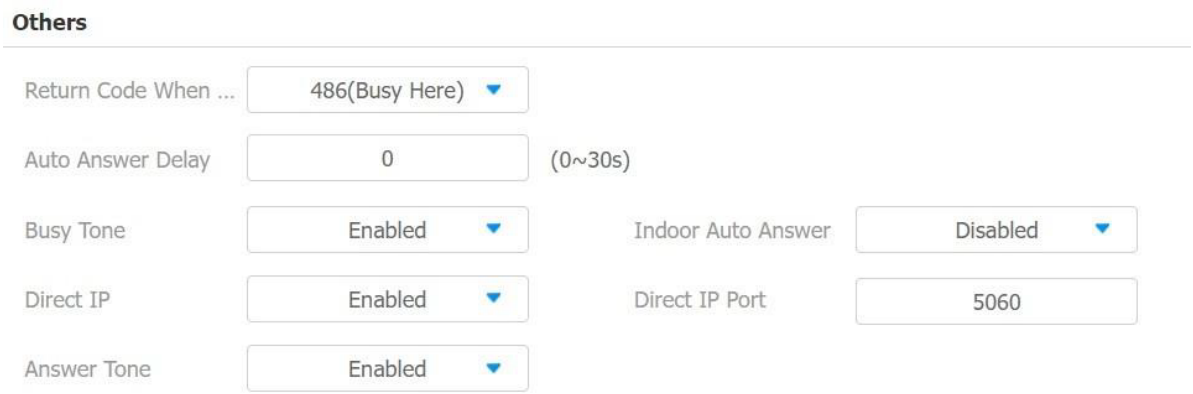
10 INTERCOM CALL CONFIGURATION

10.1 - IP call & IP call configuration

IP calls and SIP calls can be made directly on the device by entering the IP number. You can also disable the direct IP calls so that no IP calls can be made.

To configure IP calls:

Phone > Call Feature > Others



Setting:

- **Direct IP:** If you don't want direct IP calls to be made by the device, you can untick the check box to disable this function.
- **Direct IP Port:** The direct IP port is **5060** by default. The range for direct IP port is from 1 to 65535. If you enter any other values within the range, you need to check if the value entered is consistent with the corresponding value on the device you wish to establish a data transmission with.

10.2 - SIP call &SIP call configuration

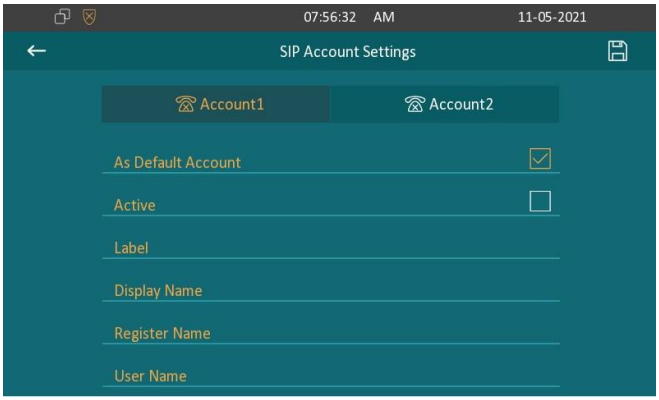
You can make a Session Initiation Protocol (SIP) call in the same way as you make the IP calls using the device. However, SIP call settings related to its account, server, and transport type need to be configured first

10.2.1 - SIP account registration

The indoor monitors support two SIP accounts that can be registered according to your applications. You can, for example, switch between them if one of the accounts fails and becomes invalid. The SIP account can be configured on the device or by the web interface.

To configure the SIP account on the device screen:

More > Setting > Advance > SIP Account



To configure the SIP account by the web interface:

Account > Basic > SIP Account

Register Name, User Name, and **Password** are obtained from the SIP account administrator.

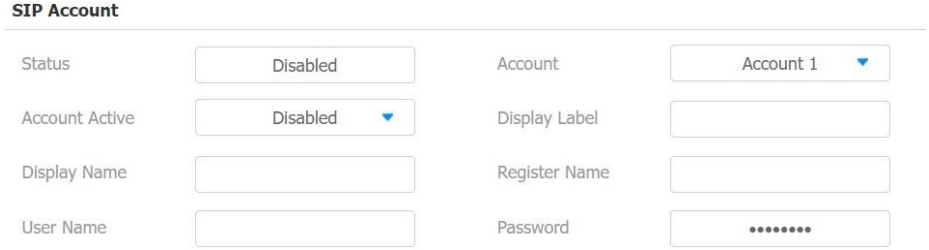


Table A11 - MyBell 2-Wire Indoor Monitor - Configuration of a SIP account by the web interface	
Setting	**Description**
Status	It enables to see if the SIP account is registered.
Account	Select Account 1 or Account 2.
Account Enabled	Enables to activate the registered SIP account.
Display Label	Configure the name, for example, the device name to be shown on the device being called to. Configure the device label to be shown on the device screen.
Display Name	Configure the name, for example, the device name to be shown on the device being called to.

10.2.2 - SIP server configuration

SIP servers can be set up for devices to achieve call sessions through SIP servers between intercom devices.

To set the SIP account by the web interface:

Account > Basic > SIP Server

Table A12 - MyBell 2-Wire Indoor Monitor - Configuration of a SIP server by the web interface	
Setting	**Description**
Server IP	Enter the server IP address number or its URL.
Port	Set up the SIP server port for data transmission.
Registration Period	Set up the SIP account registration time span. A SIP re-registration starts automatically if the account registration fails during the registration time span. The default registration period is 1800 and it can range from 30 to 65535 seconds.

10.2.3 - Outbound proxy server configuration

An outbound proxy server is used to receive all initiating request messages and route them to the designated SIP server to establish call sessions by port-based data transmission.

To configure the outbound proxy server by the web interface:

Account > Basic > Outbound Proxy Server

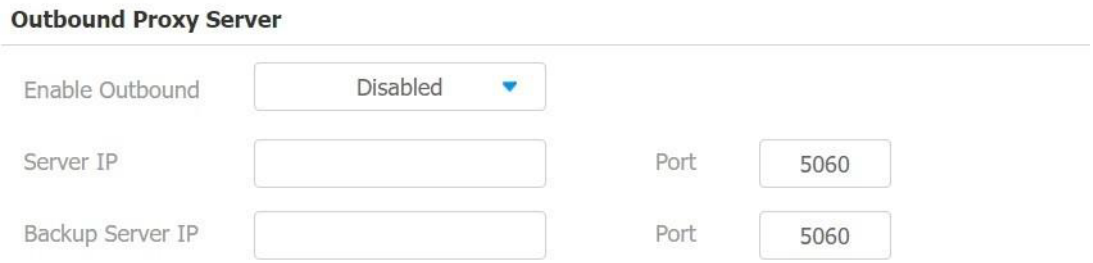


Table A13 - MyBell 2-Wire Indoor Monitor - Configuration of an outbound proxy server by the web interface	
Setting	**Description**
Server IP	Enter the IP address of the outbound proxy server.
Backup Server IP	Set up a backup server IP for the backup outbound proxy server.
Port	Enter the port number to establish a call session through the outbound proxy server or the backup one.

10.3 - DND

Do not disturb (DND) setting enables you not to be disturbed by any unwanted incoming SIP calls. You can set up DND-related settings by the device web interface to block SIP calls you don't intend to answer. You can also define the code to be sent to the SIP server when you want to reject the call.

To configure DND by the web interface:

Phone > Call Feature > DND

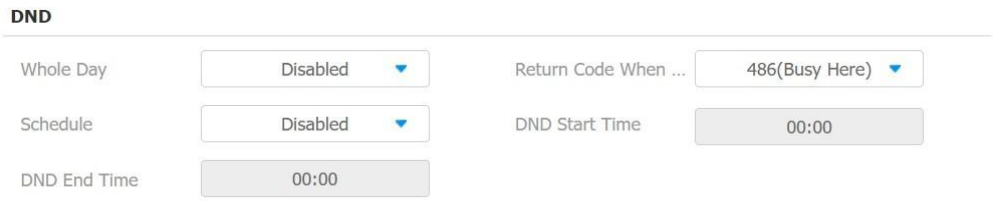


Table A14 - MyBell 2-Wire Indoor Monitor - Configuration of DND	
Setting	**Description**
DND	Check the Whole Day or Schedule to enable the DND function. The DND function is disabled by default.
Schedule	Enable the DND schedule for your indoor monitor. To configure a specific time to enable the DND feature. If you choose Schedule for DND, the whole day is checked on the device.
Return Code When DND	Select what code should be sent to the calling device through the SIP server: • 404 for Not found • 480 for Temporary Unavailable • 486 for Busy Here • 603 for Decline

10.4 - Configuring the device local RTP

For the device network data transmission purpose, the device needs to be set up with a range of Real- time Transport Protocol (RTP) ports for establishing an exclusive range of data transmission in the network.

To set up device local RTP by the web interface:

Network > Advanced > Local RTP

Setting:

- **Starting RTP Port:** Enter the port value to establish the start point for the exclusive data transmission range.
- **Max RTP Port:** Enter the port value to establish the endpoint for the exclusive data transmission range.

10.5 - Configuring a data transmission type

SIP messages can be transmitted in the following data transmission protocols:

- User Datagram Protocol (UDP)
- Transmission Control Protocol (TCP)
- Transport Layer Security (TLS)
- DNS-SRV.

In the meantime, you can also identify the server from which the data comes.

To set up data transmission type by the web interface:

Account > Basic > Transport Type

Table A15 - MyBell 2-Wire Indoor Monitor - Configuration of a data transport type	
Setting	**Description**
UDP	Select UDP for unreliable but a very efficient transport layer protocol. UDP is the default transport protocol.
TCP	Select TCP for a reliable but less-efficient transport layer protocol.
TLS	Select TLS for a secured and reliable transport layer protocol.
DNS-SRV	Select DNS-SRV to obtain a DNS record for specifying the location of services. SRV records the server address and the server port. SRV can also be used to configure the priority and the weight of the server address.

11 DOOR ACCESS CONTROL CONFIGURATION

11.1 - Relay switch setting

11.1.1 - Local relay setting

Local relays in the device can be used to trigger the relay for the door access and trigger a chime bell as needed in different scenarios.

To configure a local relay by the device web interface:

Phone > Relay > Relay Setting > Local Relay

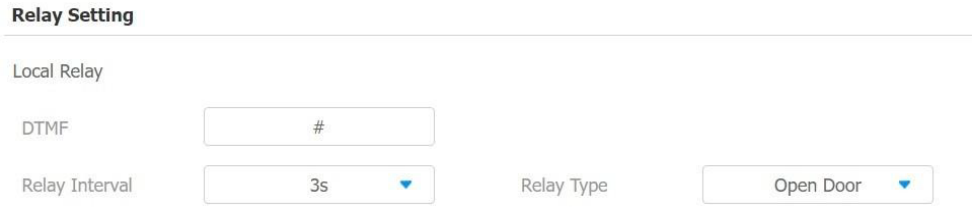


Table A16 - MyBell 2-Wire Indoor Monitor - Local relay setting	
Setting	**Description**
DTMF	Set the DTMF code for the local relay.
Relay Interval	Set the relay delay time after the relay is triggered.
Relay Type	Set a relay action type choosing one of the following optoions: • Chime Bell - when there is a call, a chime bell rings • Open Door - when press the unlock icon, the local relay opens • Other Switches (Reset By Event) - when the call is answered, the relay is reset

11.1.2 - Remote relay switch setting

You can use the unlock tab during the call to open the door. And you are required to set up the same DTMF code in the door phone and indoor monitor.

To configure a remote switch relay by the device web interface:

Phone > Relay > Relay Setting > Remote Relay

Setting:

- **DTMF Code:** To set DTMF code for the remote relay, which is **#** by default.

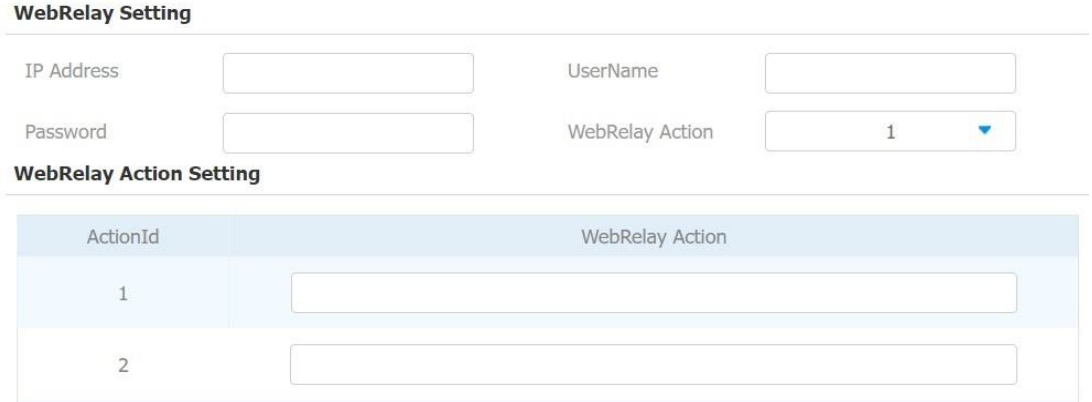
11.2 - Web relay setting

You can also control the door access using the network-based web relay.

To configure a web relay by the device web interface:

Phone > Relay > Web Relay

IP Address, User Name , and **Password** are provided by the web relay service provider.



Setting:

- **Password:** The passwords are authenticated through HTTP and you can define the passwords using HTTP Get in Action.
- **Web Relay Action:** Enter the specific web relay action command provided by the web manufacturer for different actions of the web relay.

11.3 - Door unlock configuration

11.3.1 - Door unlock by DTMF code

DTMF codes can be configured by the web interface where you can set up identical DTMF codes on the corresponding intercom devices, which allows residents to enter the DTMF code on the soft keypad or press the DTMF code attached unlock tab on the screen, for example, to unlock the door for visitors during a call.

To configure a door unlock by the DTMF code using the device web interface:

Account > Advanced > DTMF

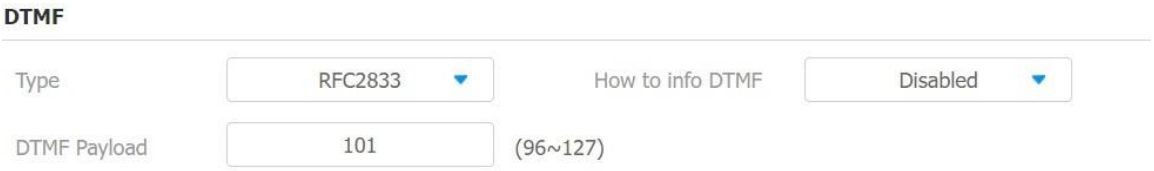


Table A17 - MyBell 2-Wire Indoor Monitor - Configuration of door unlock by DTMF code	
Setting	**Description**
Type	Select a DTMF type from the following options: • Info • RFC 2833 • Info+RFC 2833
How to info DTMF	Select among the following options: • Disable • DTMF • DTMF-Relay • Telephone-Event
DTMF Payload	Select the payload 96-127 for data transmission identification.

Note.

Please refer to the Relay Switch Setting for the specific DTMF code setting. Intercom devices involved need to be consistent in the DTMF type, otherwise, the DTMF code can't be applied.

11.3.2 - Door unlock through the HTTP command

You can unlock the door remotely without approaching the device physically for door access by typing the created HTTP command (URL) in the web browser to trigger the relay when you aren't available by the door.

To configure a door unlock by the HTTP code using the device web interface:

Phone > Relay > Remote Relay By HTTP or HTTPS

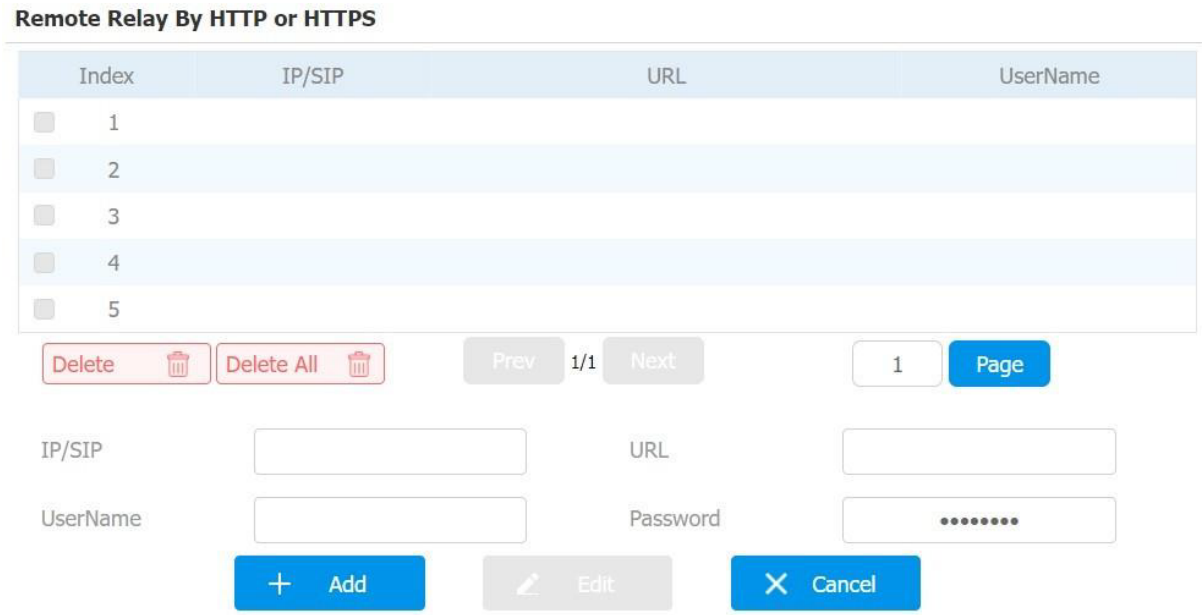


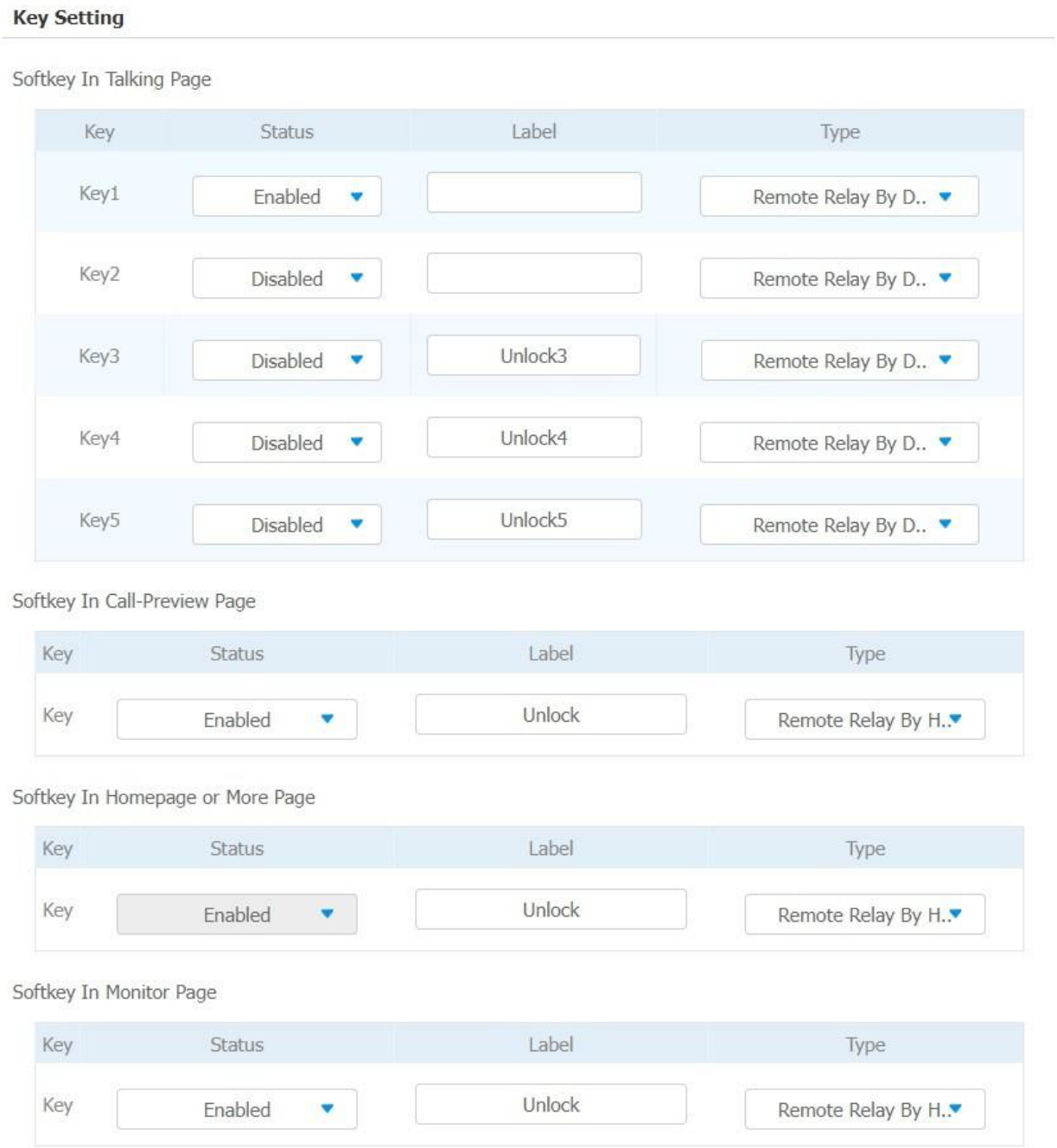
Table A18 - MyBell 2-Wire Indoor Monitor - Configuration of door unlock by HTTP command	
Setting	**Description**
IP/SIP	To configure an IP address or a SIP account to trigger a certain remote relay of doorphone by sending an HTTP message.
Username	Enter the device username to be used as a part of an HTTP command to trigger the local relay.
Password	Enter the device password to be used as part of a HTTP command to trigger the local relay. Please refer to the following example: http://192.168.35.127/fcgi/do?action=OpenDoor&UserName=admin&Password=12345&DoorNum=1

Note.
DoorNum in the HTTP command above refers to the relay number #1 to be triggered.

11.3.3 - Unlock by icon button

To configure a door unlock by the icon button using the device web interface:

Phone > Relay > Key Setting



12 CALL SETTING

12.1 - Call auto-answer configuration

The device answer all incoming calls if call auto-answer is enabled and receives live stream if live stream is enabled.

To enable or disable a call-auto answer by the device web interface:

Account > Advanced > Call > Auto Answer

To configure the corresponding auto answer settings by the device web interface:

Phone > Call Feature > Others

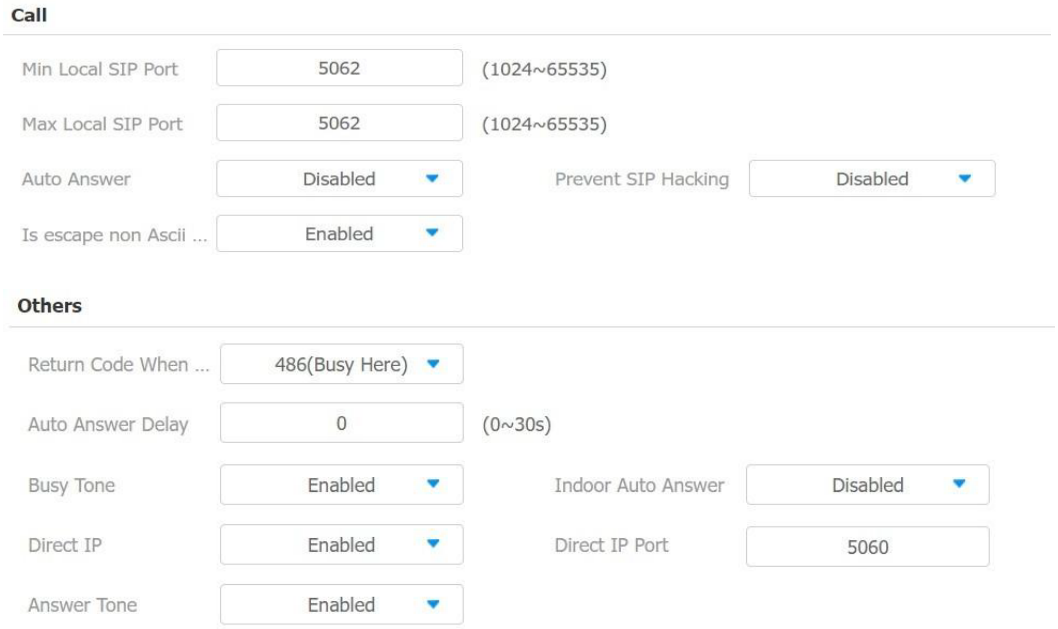


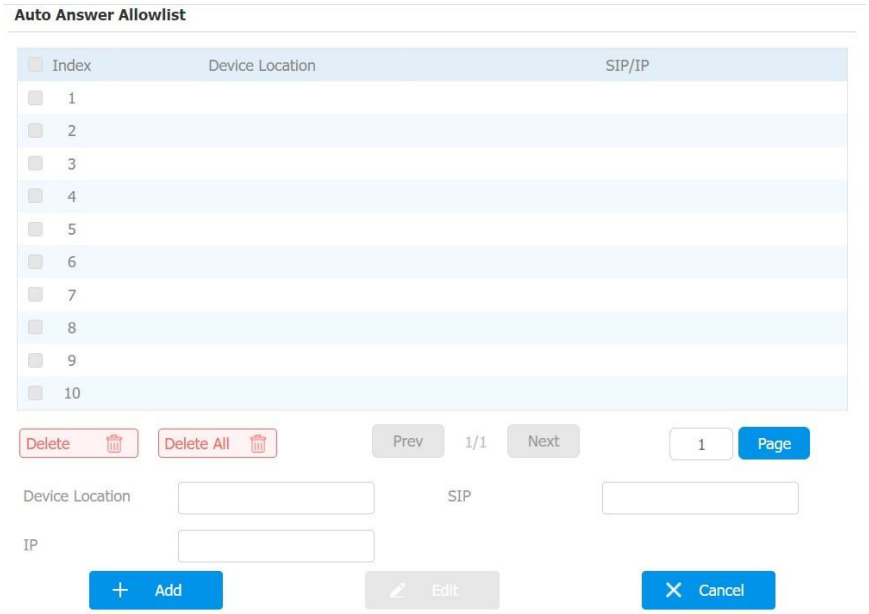
Table A19 - MyBell 2-Wire Indoor Monitor - Configuration of call auto-answer	
Setting	**Description**
Auto Answer	Turn on the **Auto Answer** function by ticking the square box. It applies to all intercom devices.
Auto Answer Delay	Set up the delay time (from 0 to 30 seconds) before the call can be answered automatically. For example, if you set the delay time to 1 second, the call is answered in 1 second automatically.
Indoor Auto Answer	Enable it if you want to auto-answer the call from the indoor monitor only.

12.2 - Auto-answer allow list setting

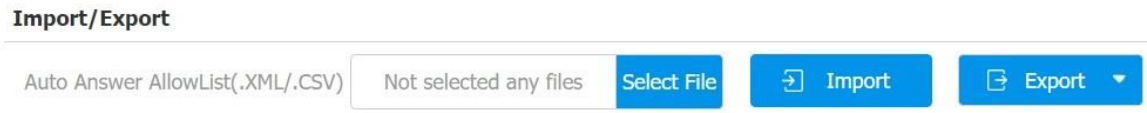
Auto-answer can only be applicable to the SIP or IP numbers that are already added in the auto-answer allow list of your indoor monitor. Therefore, you are required to configure or edit the numbers in the allow list using the web interface.

To configure a call-auto answer allow list setting by the device web interface:

Phone > Call Feature > Auto Answer AllowList



SIP/IP numbers can be imported to or exported out of the indoor monitor in batch.
To import to or export out SIP/IP by the device web interface:
Phone > Call Feature > Import/Export



Note.
- SIP/IP number files to be imported or exported need to be in either .xml or .csv format.
- SIP/IP numbers need to be set up in the phone book of the indoor monitor before they can be valid for the auto-answer function.

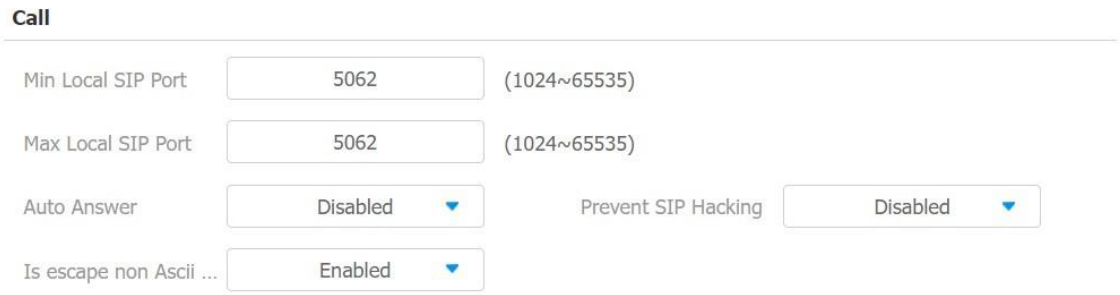
12.3 - Intercom preview setting

If you want to see the image at the door station before answering the incoming call, you can enable the intercom preview function.
To enable the intercom preview function by the device web interface:
Phone > Intercom > Intercom Preview

Note.
A group call isn't available when you enable the intercom preview function.

12.4 - SIP hacking protection

Internet phone eavesdropping is a kind of network attack, which aims to eavesdrop on the communication sessions of others in an unauthorized way. Attackers can use this method to capture and read content containing sensitive and confidential information. SIP hacking prevents SIP call from hacking on the Internet.
To enable the SIP hacking protection by the device web interface:
Account > Advanced > Call



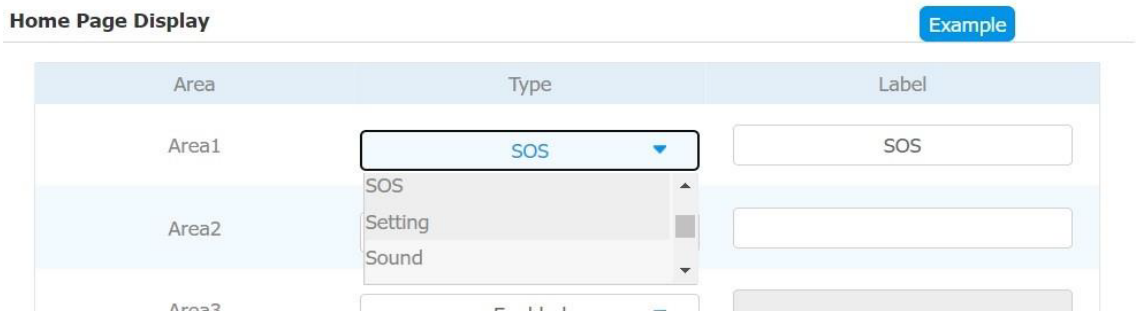
Setting:
- **Prevent SIP Hacking:** this feature is only available for SIP calls, not IP calls.

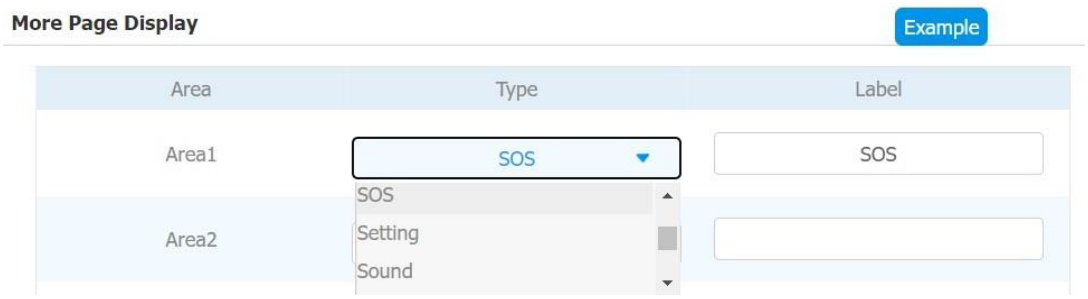
12.5 - Emergency call setting

Emergency call is used to call out three emergency contacts when you are in urgent status. It's especially useful for the elders and children. Press the SOS key, the indoor monitor initiates automatically the target SOS numbers.

12.5.1 - SOS icon display

To display SOS softkey by the device web interface:
Phone > Key/Display
The icon appears on the main interface or more interfaces after configuring.





12.5.2 - SOS number settings by the web interface

To set up SOS numbers by the device web interface:

Phone > Intercom

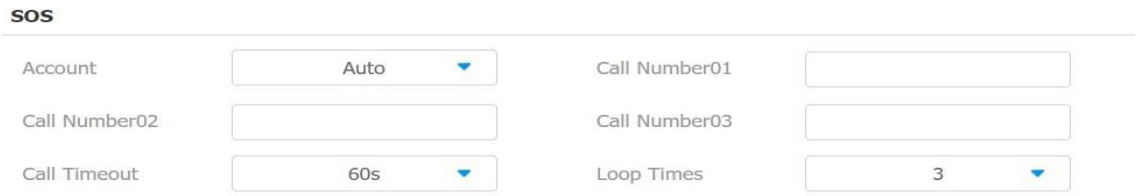
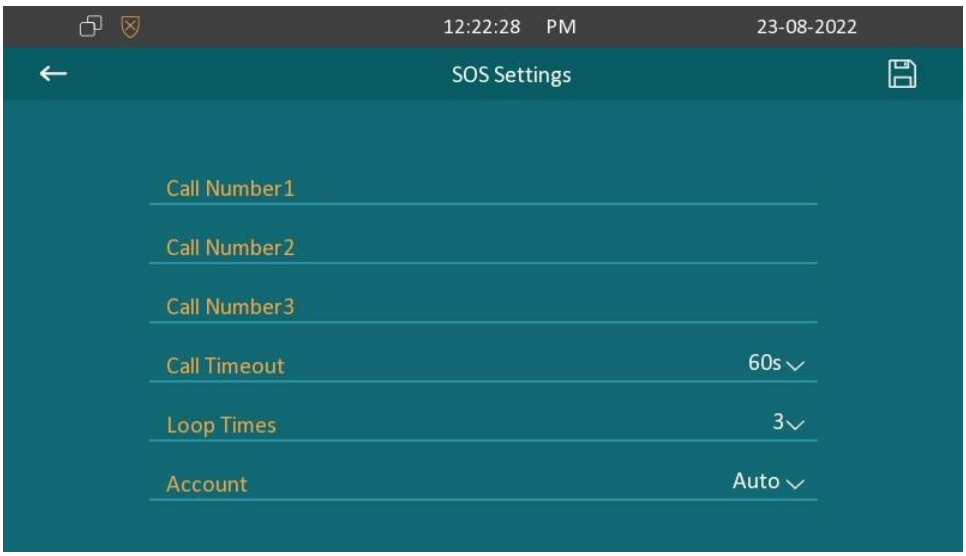


Table A20 - MyBell 2-Wire Indoor Monitor - Configuration of SOS numbers	
Setting	**Description**
Account	Select the account you want to make SOS from account 1 or account 2.
Call Number	To set up 3 SOS numbers. Once users press SOS key on the home screen (SOS display key shall be set on the web manually), indoor monitors call out the numbers in order.
Call Timeout	Set up the timeout for each number. Once users call out, if the other side doesn't answer within the timeout, indoor monitors continue to call the next number.
Loop Times	To set up times of re-dialing.

12.5.3 - SOS number settings on the device

To set up SOS numbers on the device:

More > Setting > Advance > SOS



12.6 - Multicast configuration

Multicast is a one-to-many communication within a range.

To set up multicast communication on the device:

Phone > Multicast

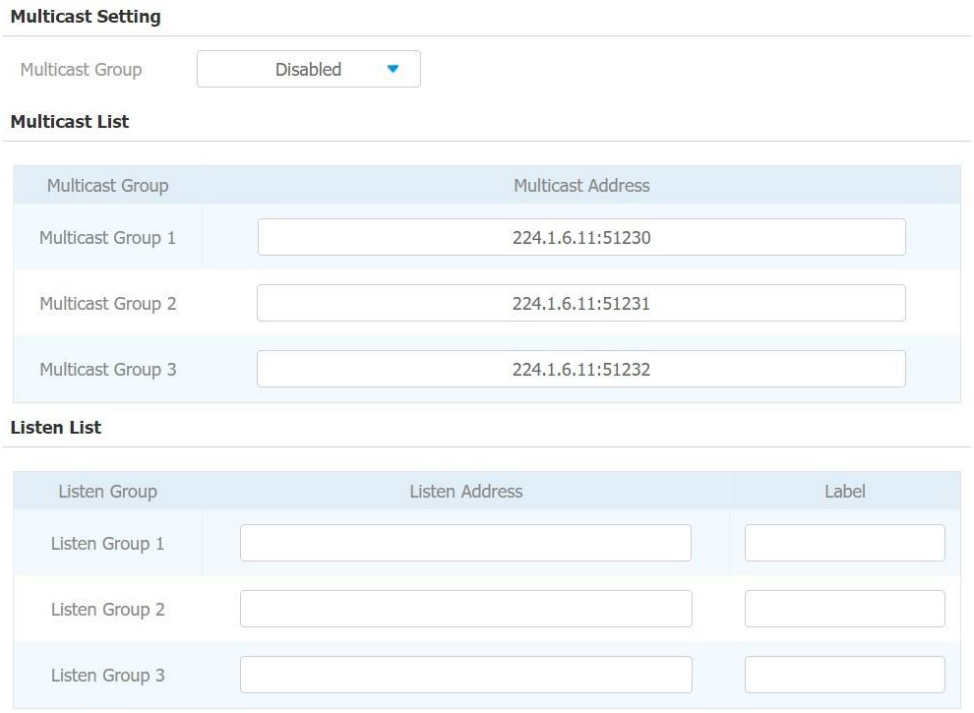


Table A21 - MyBell 2-Wire Indoor Monitor - Configuration of multicast

Setting	Description
Multicast Group	To set the indoor monitor in one of the groups or disable this function.
Multicast List	To fill in the settings of the multicast group. An indoor monitor establish multicast calls to other indoor monitors which are set in multicast group.
Listen List	To fill in the settings of the listen group. Indoor monitor receives multicast calls if some indoor monitors call the listen group.
Label	To show the label name on the calling interface.

12.7 - Call forwarding setting

Call Forward is a feature used to redirect an incoming call to a specific third party. Users can redirect the incoming call based on different scenarios.

11.7.1 - Call forwarding configuration on the device

To set up call forwarding on the device:

More > Setting > Advance > Direct IP

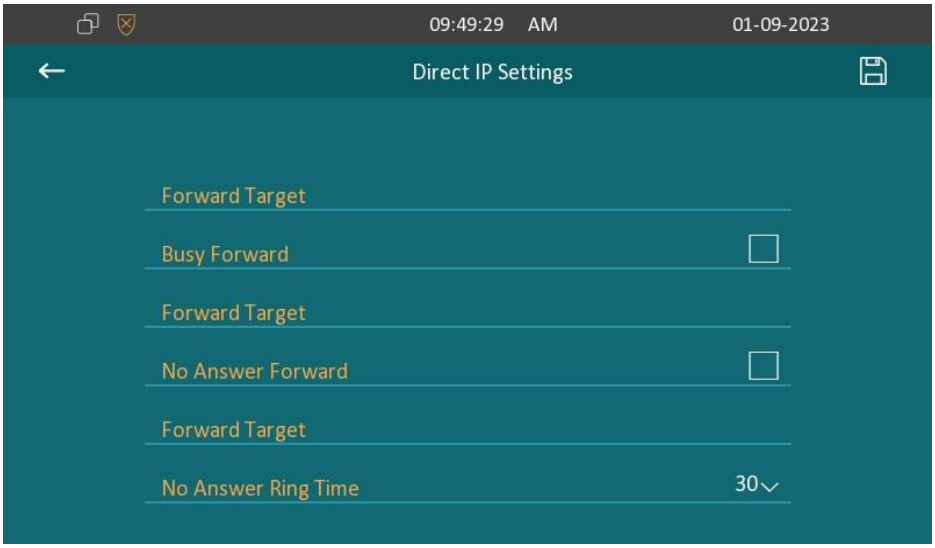


Table A22 - MyBell 2-Wire Indoor Monitor - Configuration of call forwarding on the device	
Setting	**Description**
No Answer Forward	To enable no answer forwarding function. Incoming calls are forwarded to a specific number if the indoor monitor isn't answered.
Busy Forward	To enable the busy forward function. Incoming calls are forwarded to a specific number if the device is busy.
Forward Target	To enter the specific forward number if the device enables **No Answer Forward.**
No Answer Ring Time	Set the number of seconds to wait for call pick-up before transferring to a designated number (0-120 seconds).

12.7.2 - Call Forwarding Configuration by the web interface

To set up forward function using the device web interface:

Phone > Call Feature > Forward Transfer

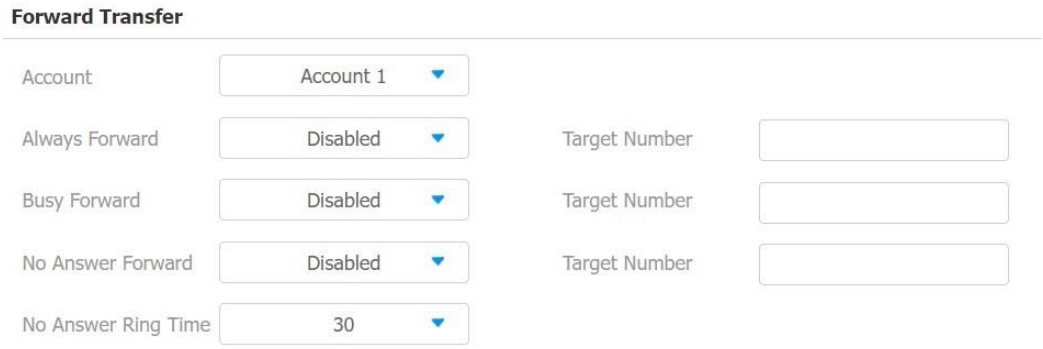


Table A23 - MyBell 2-Wire Indoor Monitor - Configuration of call forwarding by the web interface	
Setting	**Description**
Account	To choose which account shall implement the call forwarding feature.
Always Forward	To enable the always forwarding function. All incoming calls are automatically forwarded to a specific number.
Busy Forward	To enable the busy forwarding function. Incoming calls are forwarded to a specific number if the device is busy.
No Answer Forward	To enable the no answer forwarding function. Incoming calls are forwarded to a specific number if the device isn't picked up within no answer ring time.
Target Number	To enter the specific forward number if the device enables always forward/busy forward / no answer forward.
No Answer Ring Time	Set the number of seconds to wait for call pick-up before transferring to a designated number (0-120 seconds).

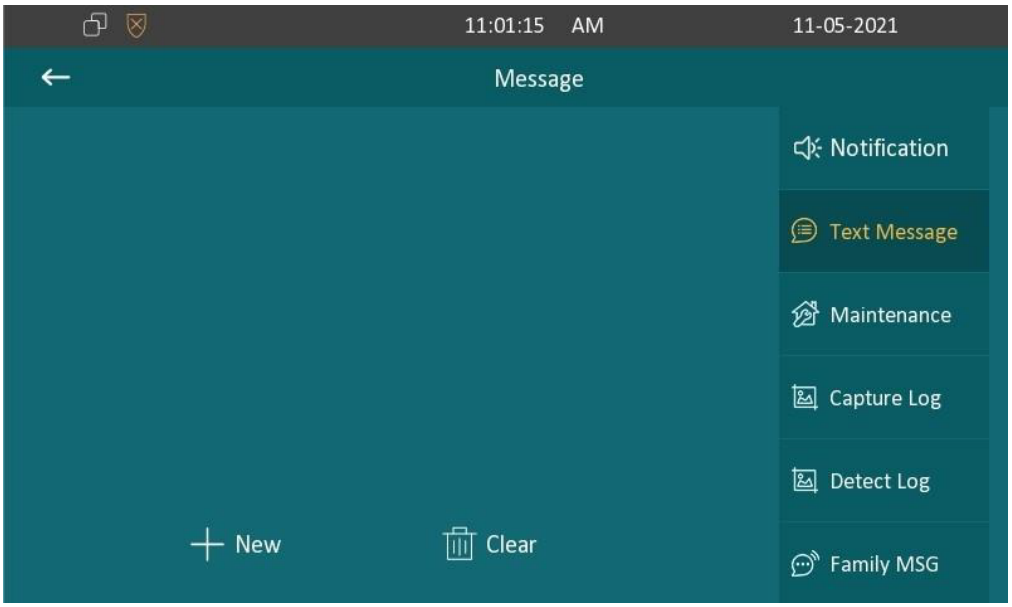
13 INTERCOM MESSAGE SETTING

13.1 - Managing Text Messages

You can check, create and clear messages as needed on the indoor monitor Messages screen. Click **New** to create a new text message and **Clear** icon to delete the existing messages.

To manage text messages on the device:

Message > Text Message

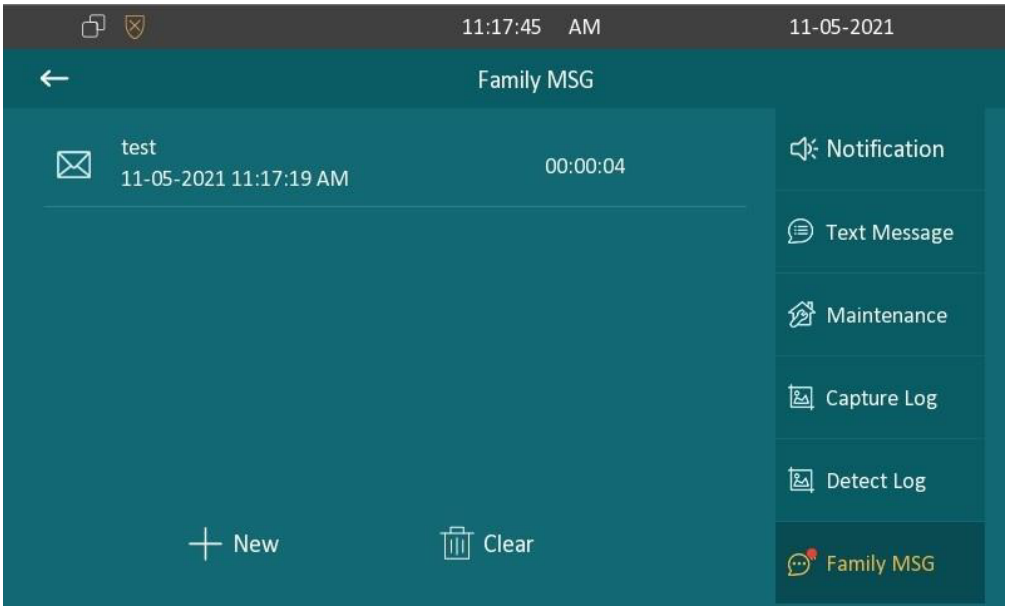


13.2 - Managing Voice Messages

You can create, delete and view the audio messages recorded by family members on the device screen.

To manage voice messages on the device:

Message > Family MSG



14 AUDIO & VIDEO CODEC CONFIGURATION FOR SIP CALLS

14.1 - Audio codec configuration

The indoor monitor supports four types of Codec (PCMU, PCMA, G729, and G722) for encoding and decoding the audio data during the call session. Each type of Codec varies in terms of sound quality. You can select the specific codec with different bandwidths and sample rates flexibly according to the actual network environment.

To configure audio codec by the web interface:

Account> Advanced > Audio Codecs

Please refer to the bandwidth consumption and sample rate for the four codecs types below:

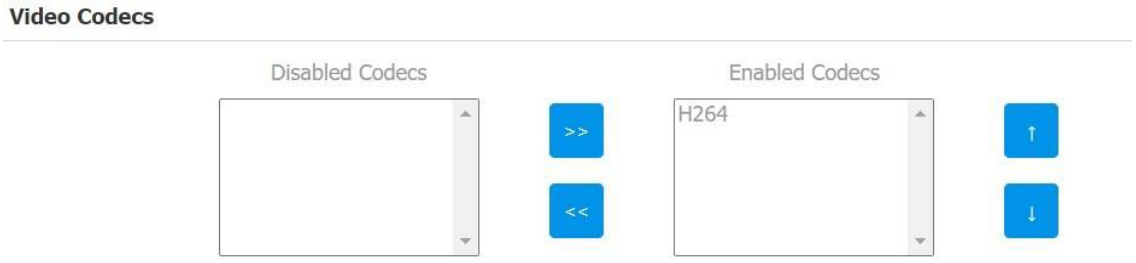
Codec Type	Bandwidth Consumption	Sample Rate
PCMA	64 kbit/s	8kHZ
PCMU	64 kbit/s	8kHZ
G729	8 kbit/s	8kHZ
G722	64 kbit/s	16kHZ

14.2 - Video codec configuration

The indoor monitor supports the H264 codec that provides better video quality at a much lower bit rate.

To configure video codec by the web interface:

Account> Advanced > Video Codecs



15 SECURITY

15.1 - Monitor setting

To configure the monitor setting by the web interface:

Phone > Monitor > Door Phone

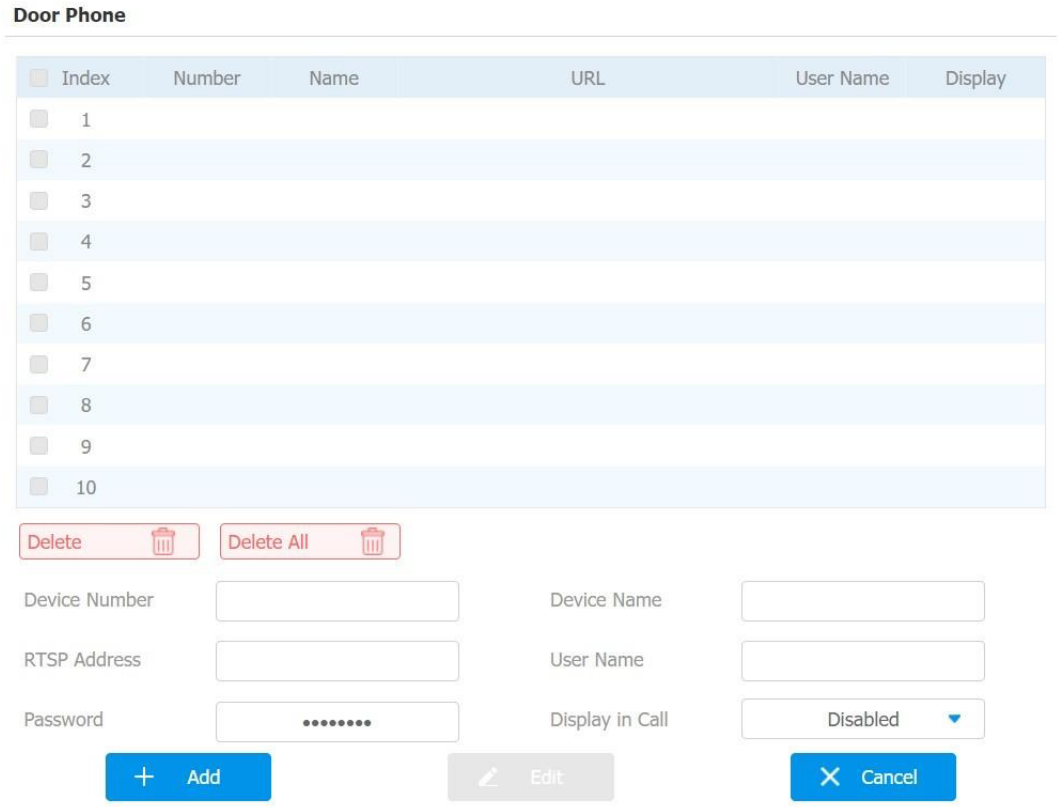
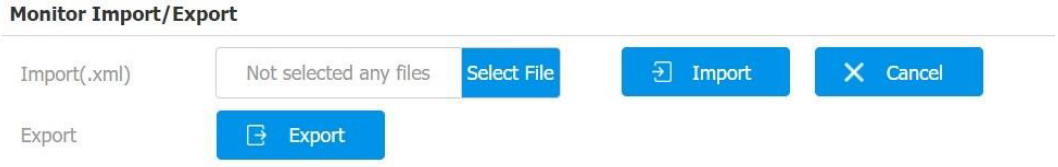


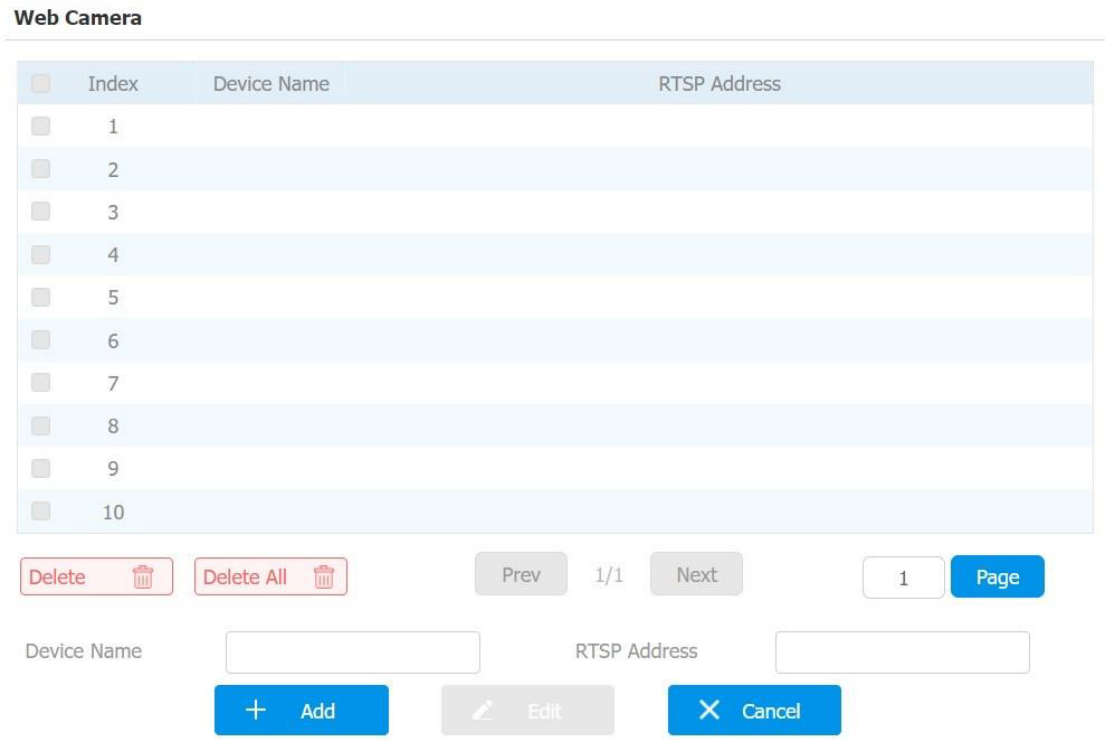
Table A24 - MyBell 2-Wire Indoor Monitor - Monitor setting	
Setting	**Description**
Device Number	To enter the IP address or SIP number of a corresponding camera.
Device Name	To enter the device name of the doorphone, which could be set by users.
RTSP Address	To set RTSP URL for the doorphone. The RTSP format of the doorphone is rtsp://device IP/live/ch00_0
User Name	Enter the username if needed. The username of third-party camera is provided by the third-party camera service provider.
Password	Enter the password if needed. The password of third-party camera is provided by the third-party camera service provider.
Display in Call	Enable or disable to display this monitor during the call. If enabled, when there is an incoming call from the monitor, the video is displayed.

You can also import or export the monitor list in batch using the same interface. Import file only supports .xml format.



15.1.1 - Web camera setting by the web interface

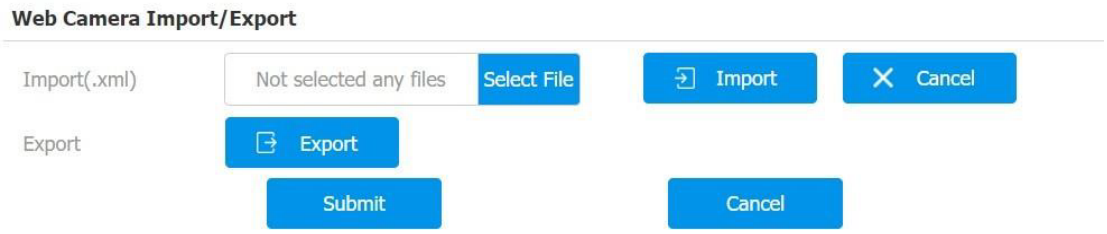
To configure the monitor information for third-party cameras by the web interface:
Phone > Monitor > Web Camera



Setting:

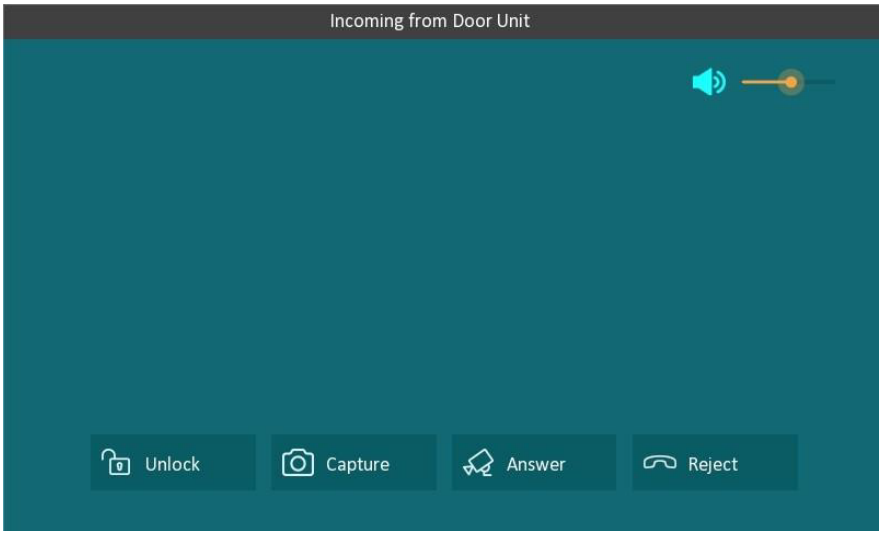
- **Device Name:** to enter the name of the third-party camera.
- **RTSP Address:** to set the RTSP URL for the third-party camera.

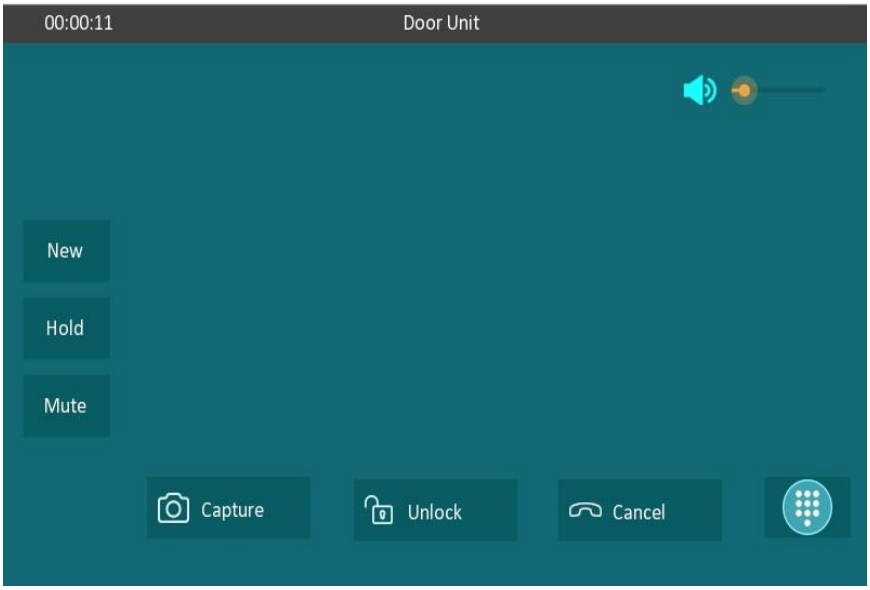
You can also import or export the monitor list in batch on the same interface. The import file only supports .xml format.



15.1.2 - Web camera setting on the device

To capture video images press **Capture** during a monitor or video call.

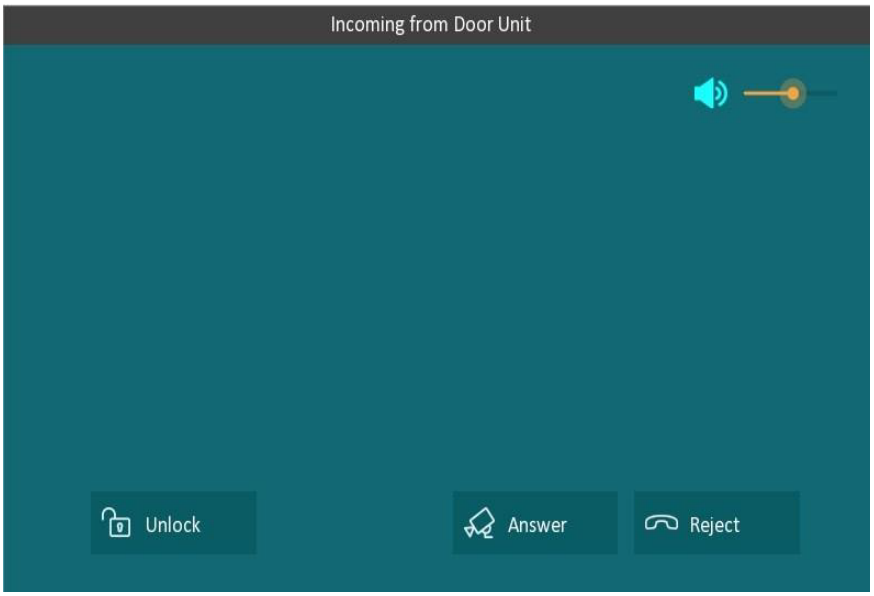


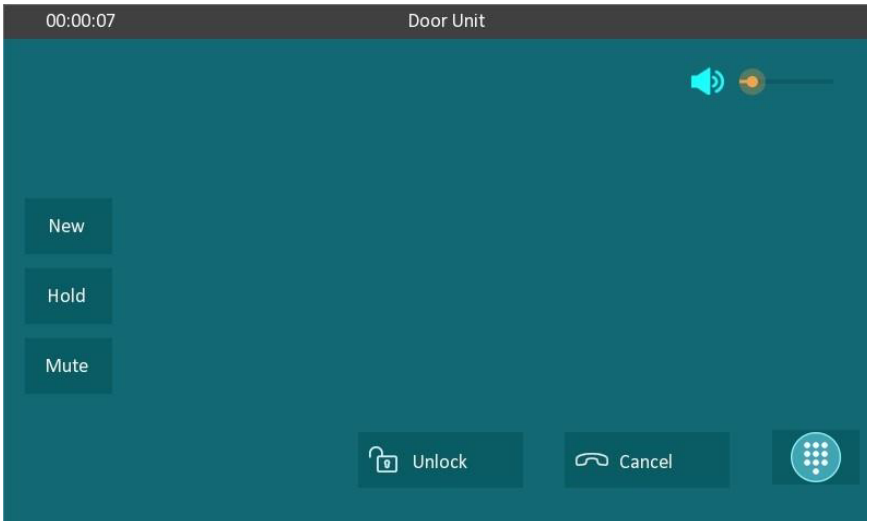


You can also disable the capture function on device web interface.
To disable the capture function by the web interface:
Phone > Key/Display > Softkey In Monitor Page

Softkey In Monitor Page

Key	Display	Label
Capture	Enabled	



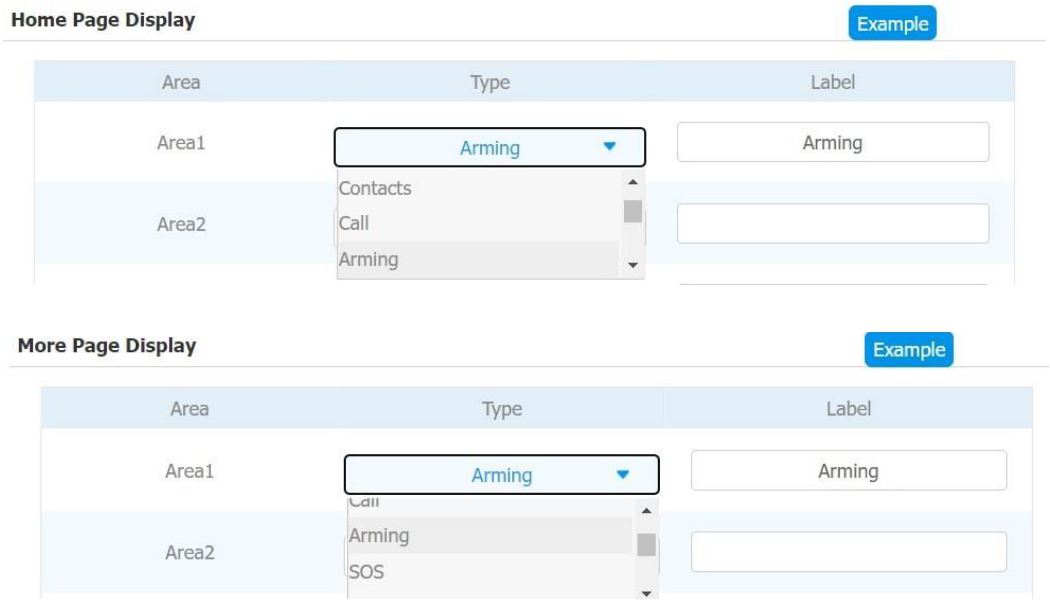


15.2 - Alarm and arming configuration

The alarm feature is used to connect some alarm detection devices to protect your home safety. MyBell 2-Wire Indoor Monitors support 8 alarm connectors, which means you can connect 8 different alarm sensors in different rooms of your house. For example, by connecting a smoker sensor in your kitchen when the leaking gas is detected, the indoor monitor rings and sends the alarm message to the target, like community property. Before checking the alarm feature on the device screen, you need to set up the **Arming icon** on the home page or more page.

To set up the **Arming icon**:

Phone > Key/Display



15.2.1 - Alarm and arming configuration on the device

To set up a location-based alarm sensor on the device:

More > Setting > Advance > Arming > Zone Setting

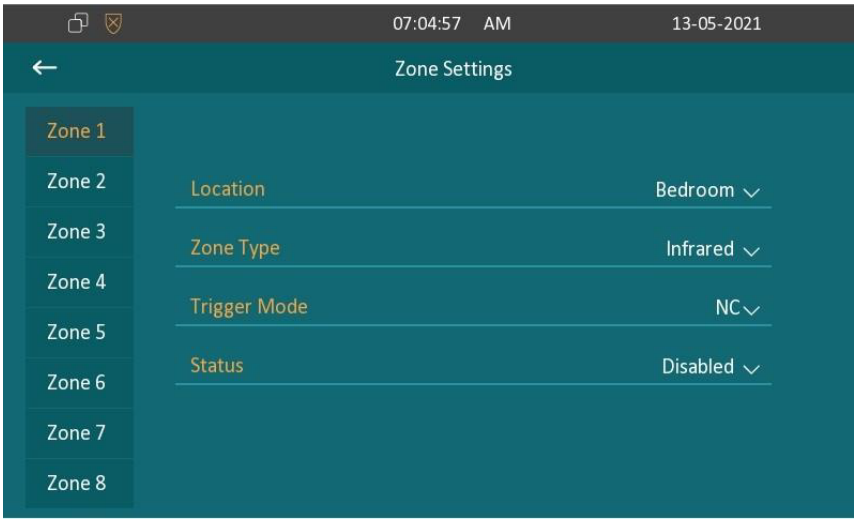
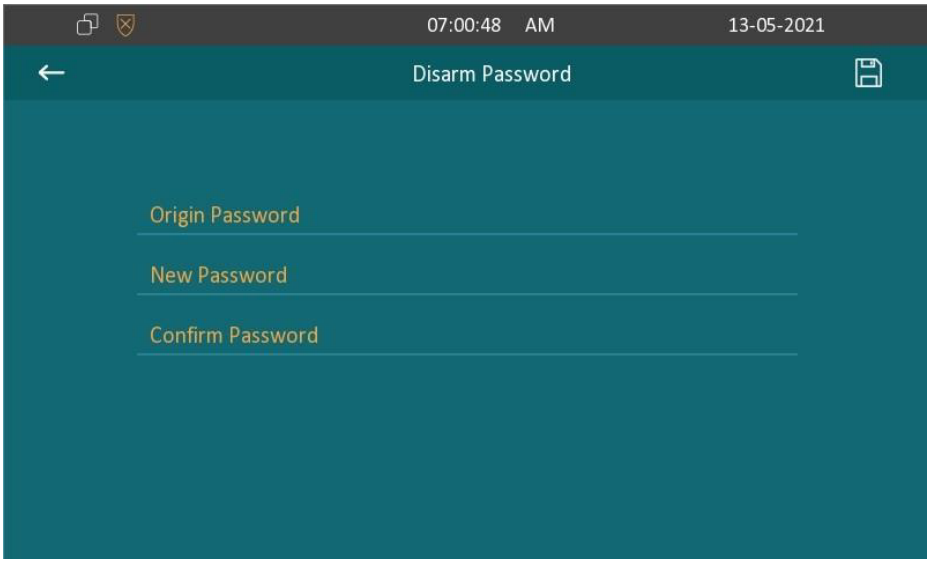


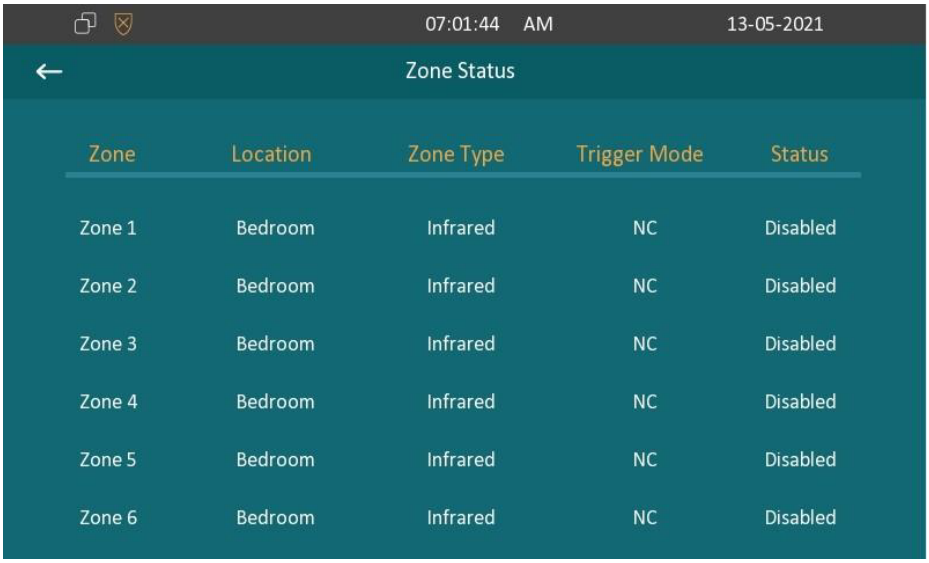
Table A25 - MyBell 2-Wire Indoor Monitor - Monitor setting

Setting	Description
Location	Set up the location according to where the alarm sensor is stalled. You can select among ten location types: **Bedroom, Gate, Door, Guest room, Hall, Window, Balcony, Kitchen, Study**, and **Bathroom**.
Zone Type	Set up the alarm sensor types. You can select among the following sensor types: **Infrared, Drmagnet, Smoke, Gas, Urgency.**
Trigger Mode	Set the sensor trigger mode between NC and NO according to your need.
Status	Set the alarm sensor status among three options: • **Enable** - if you want to enable the alarm, however, you are required to set the alarm again after an alarm is disarmed. • **Disable** - if you want to disable the alarm. • **24H** - if you want the alarm sensor to stay enabled for 24 hours without the need to set up the alarm manually again after the alarm is disarmed.

To configure the disarm code, press **Arming** on the device home screen. Change the current password and save it.

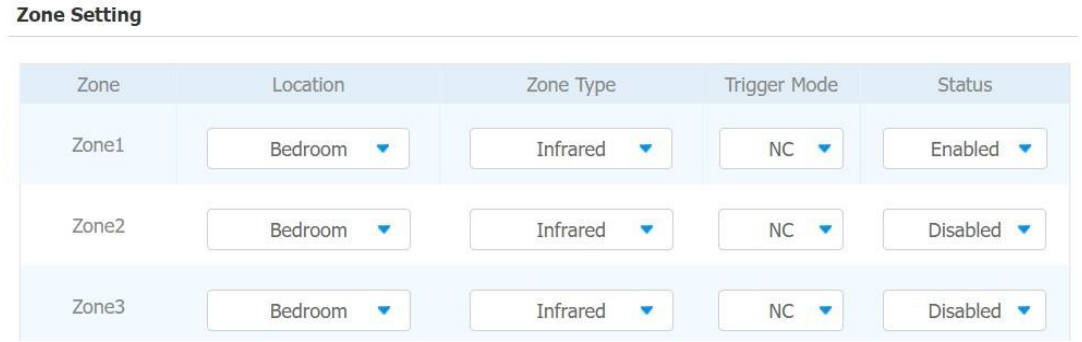


To check the zone status on the device:
Arming > Zone Status



15.2.2 - Alarm and arming configuration by the web interface

To set up a location-based alarm sensor by the web interface:
Arming> Zone Setting > Zone Setting



For more information about options in the zone seetting see the table A25 in section 15.2.1.

15.3 - Location-based alarm configuration

15.3.1 - Location-based alarm on the device

To configure the location-based alarm:

Arming > Arming Mode

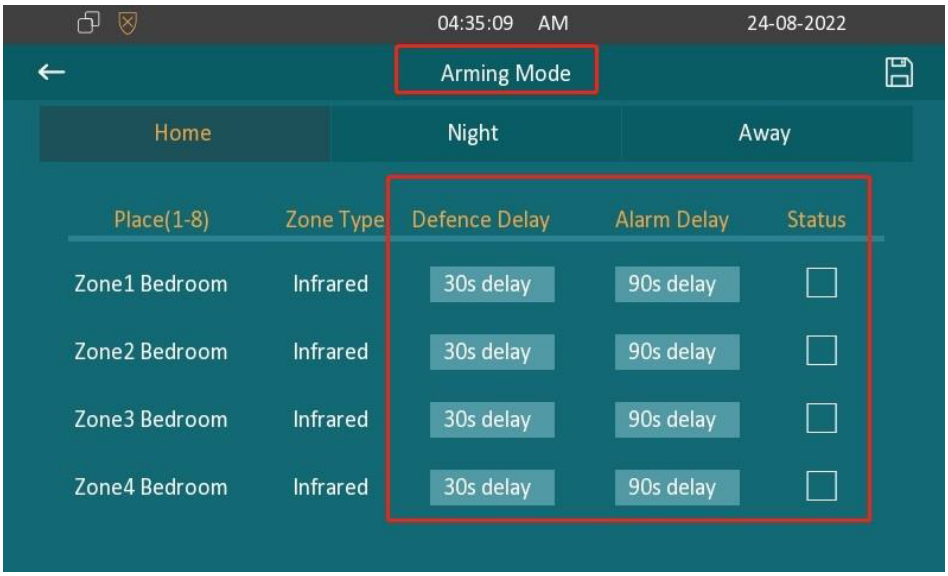
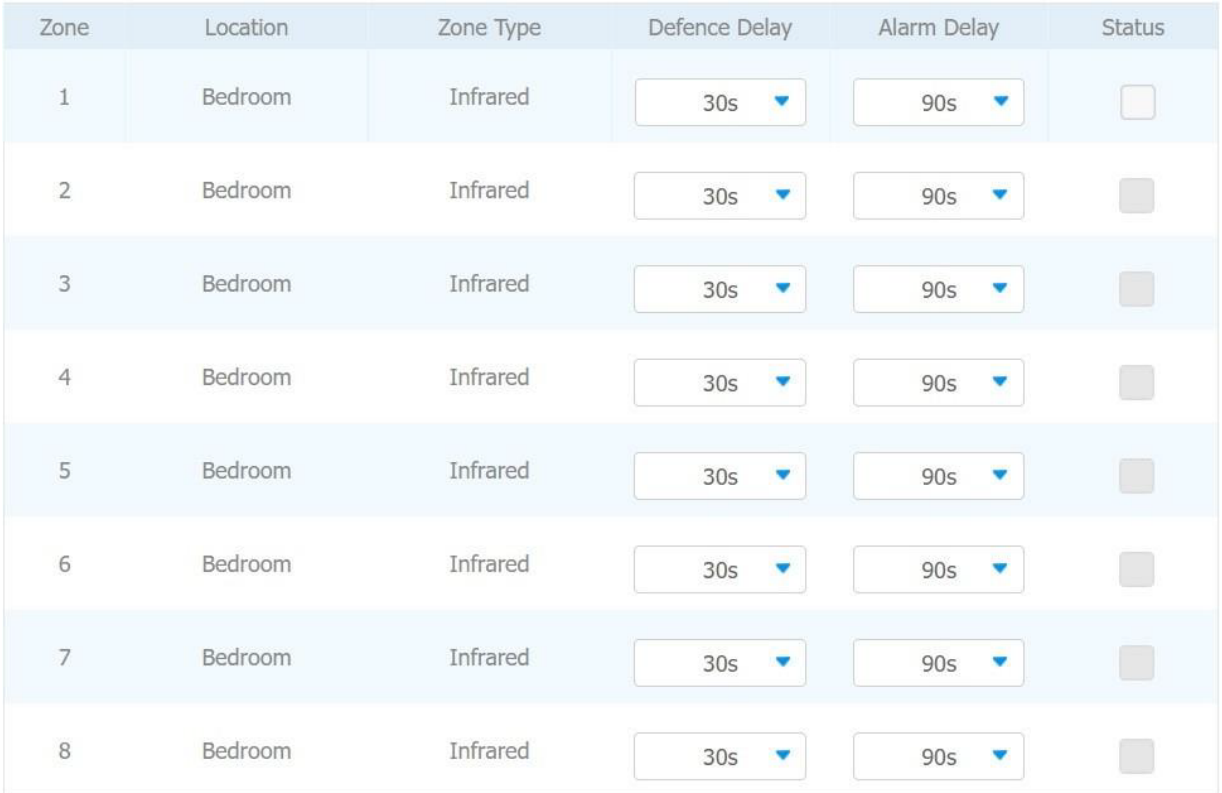


Table A26 - MyBell 2-Wire Indoor Monitor - Configuration of the arming mode	
Setting	**Description**
Place	To display the location of the detection device.
Zone Type	To display the type of detection device.
Defence delay	When the arming mode is enabled, there is 30 seconds delay for the alarm mode to be activated.
Alarm delay	When the sensor is triggered, there is 90 seconds delay to announce the notification.
Status	To enable or disable Arming mode on the corresponding zone.

15.3.2 - Location-based alarm by the web interface

To configure the location-based alarm by the web interface:

Arming > Arming Mode

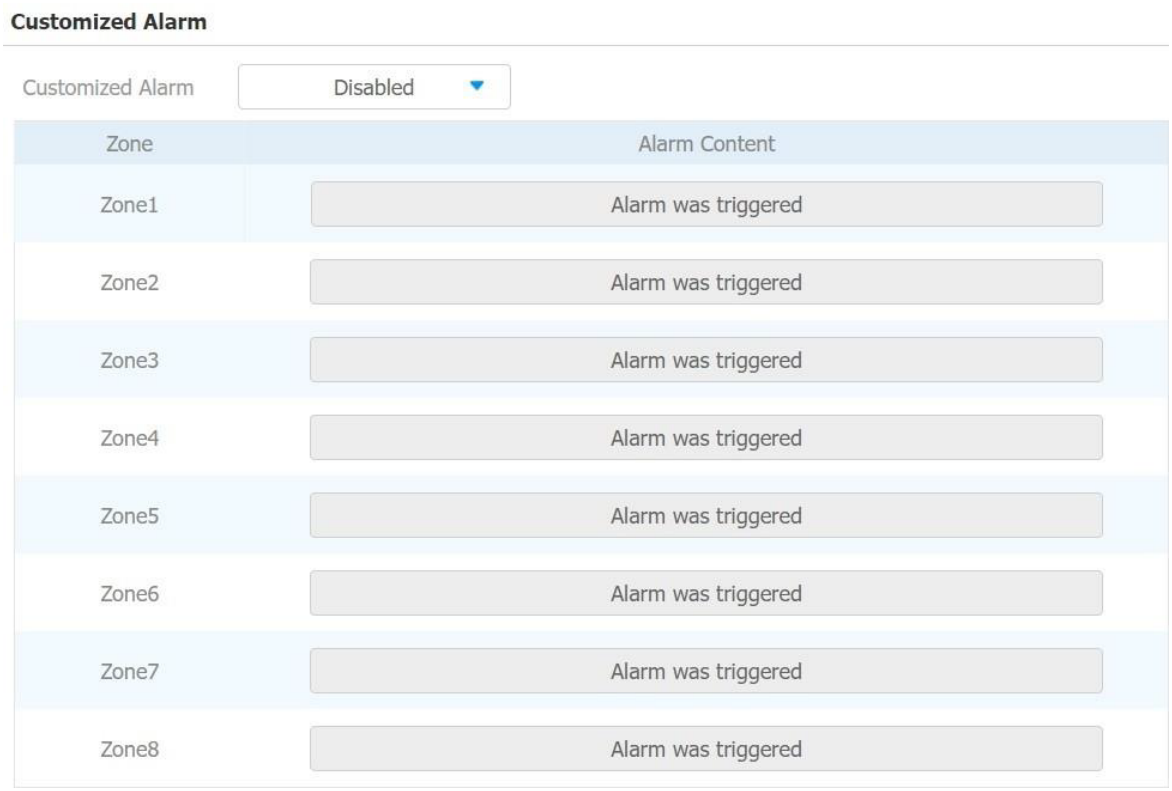


15.4 - Configuring the alarm text

You can customize your alarm text shown on the screen when an alarm is triggered. Enter the alarm text for the alarm at each location according to your need.

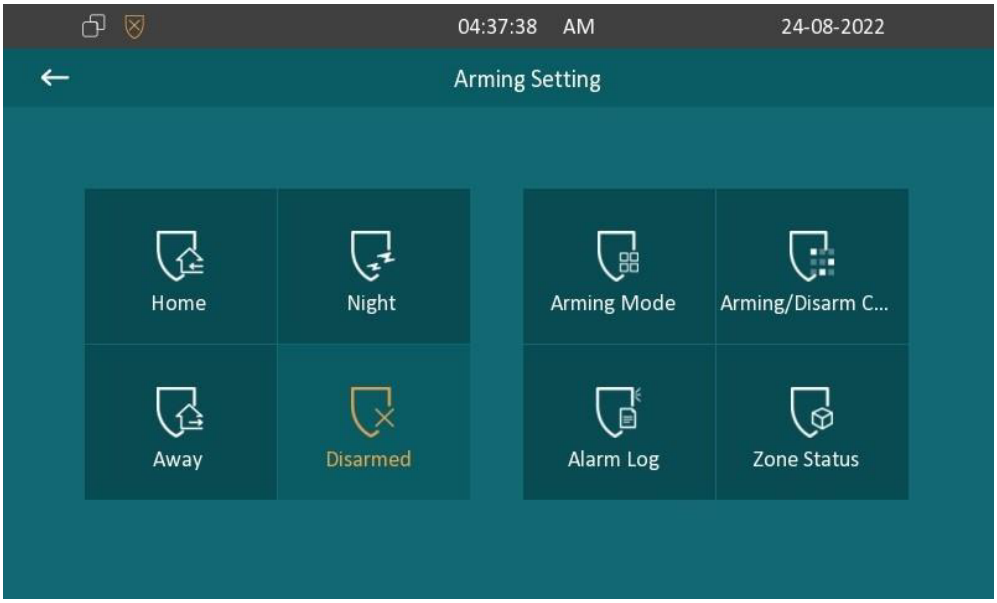
To customize your alarm text alarm:

Arming> Zone Setting > Customized Alarm



15.5. - Configuring the arming mode

You can switch the arming mode, disarm the alarm on the **Arming** screen by pressing their respective icons. Press **Disarm** icon if you want to clear the Arming Mode.



15.6 - Configuring alarm action

The triggering of the alarm sensor can be accompanied by the actions you configured in the forms of an HTTP command, SIP Message, Call, and Local Relay for different security purposes.

To select and set up actions by the web interface:

Arming > Alarm Action

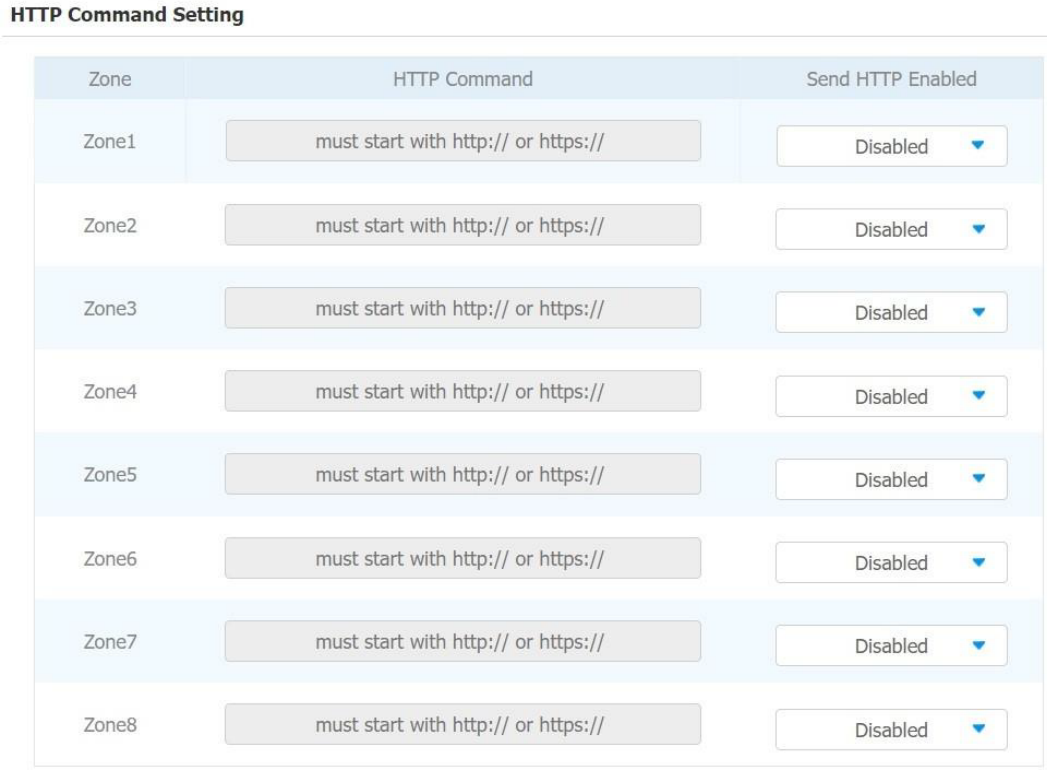
15.6.1 - Configuration of alarm action through HTTP command

You can set up the HTTP Command action by checking **Enable** in the **Send HTTP** field.

Then enter the HTTP command provided by the manufacturer of the device on which the action is to be carried out.

To set the HTTP Command up:

Arming > Alarm Action > HTTP Command Setting

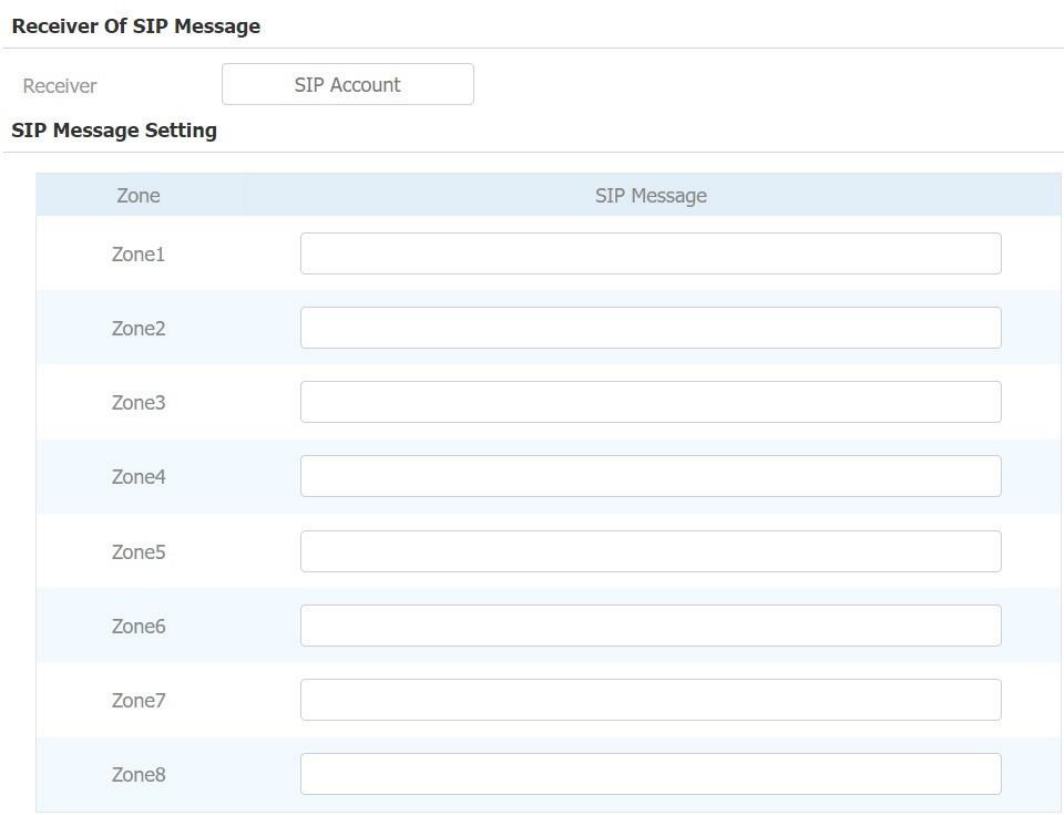


15.6.2 - Configuration of alarm action through SIP message

You can set up the SIP message action receiver using the same web interface. Enter the SIP account to which you want to send the configured SIP message as an action when the alarm is triggered.

To set the SIP message action receiver:

Arming > Alarm Action > Receiver Of SIP Message

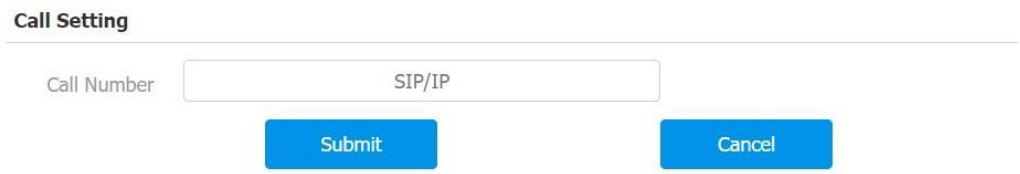


15.6.3 - Configuring the alarm action through SIP message

To set up the call action, you can enter the SIP or IP number of the device to be called as an action, then enable the Alarm Siren for the arming zone as needed.

To set a call action:

Arming > Alarm Action > Call Setting

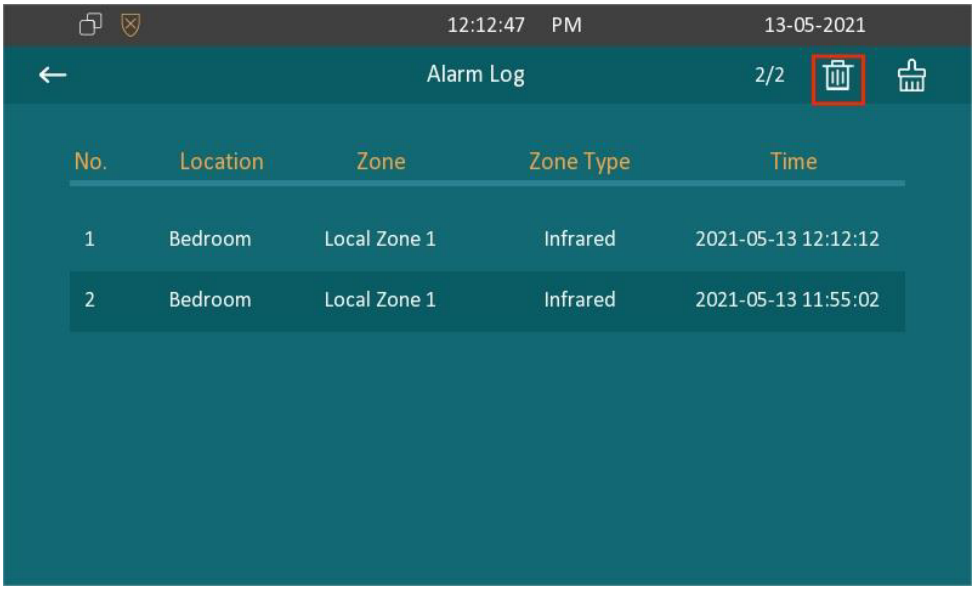


15.7 - Checking alarm logs

To check alarm logs:

Arming > Alarm Log

You can delete the existing alarm log by clicking the **Delete** icon.

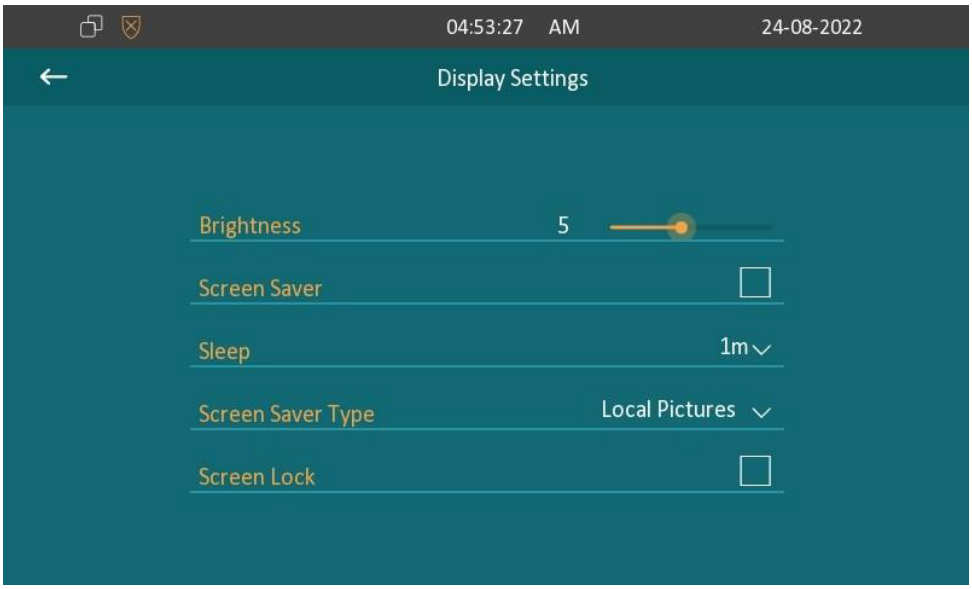


15.8 - Screen unlock setting

The device screen is locked over sleep time. You are required to wake up the device through a PIN code.

To set screen unlock:

More > Setting > Display

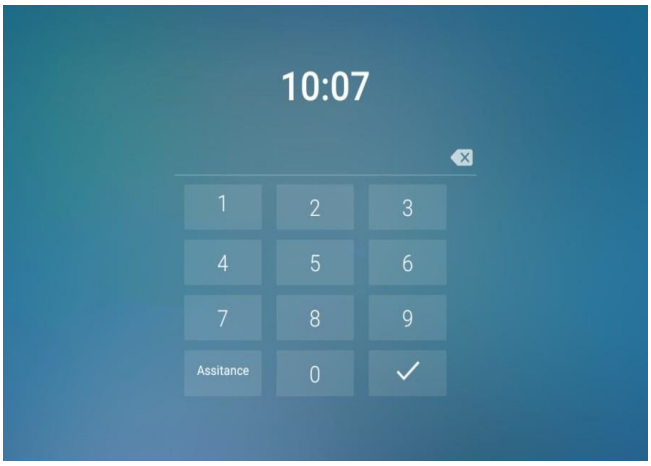


15.9 - Screen unlock by PIN code

You can unlock the device screen by entering the pre-configured PIN code when the screen is locked.

Note.

The default unlock PIN is **123456.**



15.10 - Location-based alarm configuration

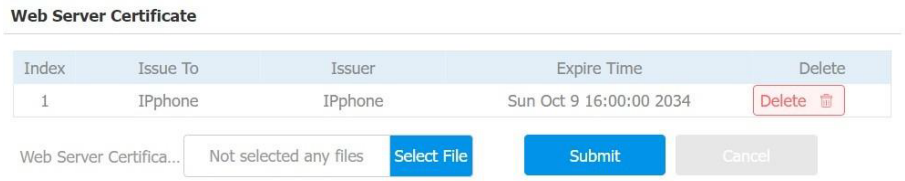
Certificates can ensure communication integrity and privacy when deploying the MyBell 2-Wire Indoor Monitors. So, when the user needs to establish the SSL protocol, it's necessary to upload corresponding certificates for verification.

15.10.1 - Web server certificate

This certificate sends to the client for authentication when the client requires an SSL connection with the device. Currently, the format of the certificate needs to *.PEM file. to be accepted by the device.

To upload web server certificate to the device web interface:

Security > Advanced > Web Server Certificate



15.10.2 - Client certificate

When the device requires an SSL connection with the server, the phone needs to verify the server to make sure it can be trusted. The server sends its certificate to the device. The device verifies this certificate according to the client certificate list.

To upload and configure client certificates to the device web interface:

Security > Advanced > Client Certificate

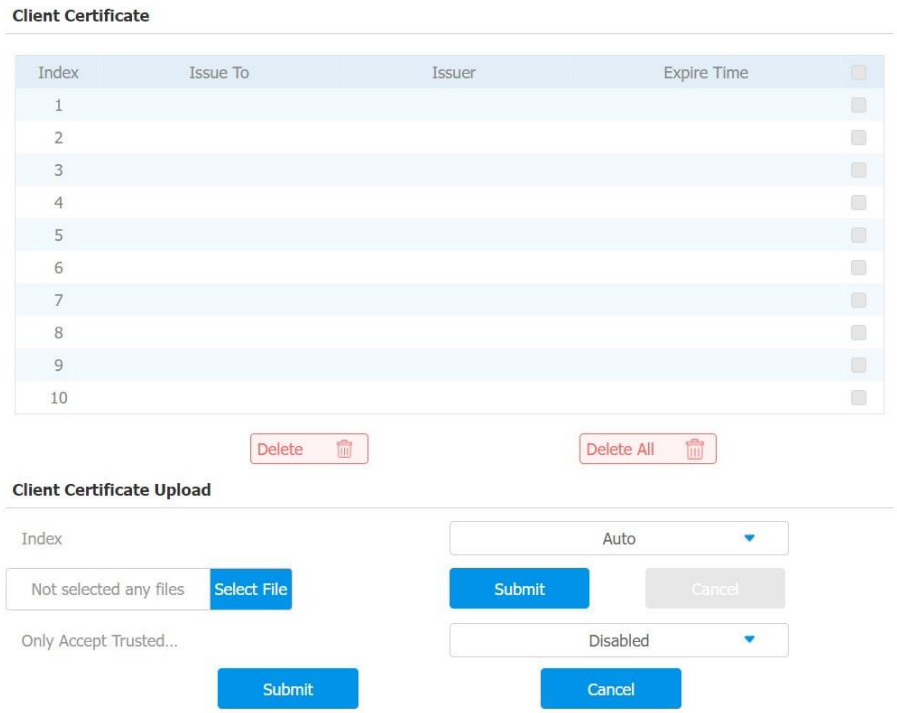
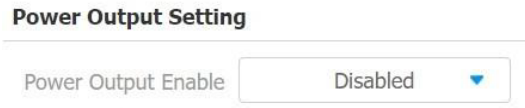


Table A27 - MyBell 2-Wire Indoor Monitor - Configuration of the client certificate	
Setting	**Description**
Index	Select the desired value from drop-down list of Index. If you select the **Auto** value, the uploaded certificate is displayed in numeric order. If you select values from 1 to 10, the uploaded certificate is displayed according to the value selected.
Select File	Click to choose file by browsing the local drive, and locate the desired certificate (*.pem only).
Only Accept Trusted Certificates	If **Enabled**, as long as the authentication succeeds, the device verifies the server certificate based on the client certificate list. If you select **Disabled**, the device verifies the server certificate no matter whether the certificate is valid or not.

15.11 - Power output setting

To enable the power output function for the PON interface using the device web interface:

Device Setting > Basic > Power Output Setting



Note.

When the Power Output function is enabled, and the PON interface is connected with some particular exchangers, which can cause the device to reboot repeatedly.

15.12 - High security mode

High security mode is designed to enhance the security. For example, it optimizes the password storage method.

To configure the high security mode by the web interface

Security > Basic > High Security Mode

Important notes.

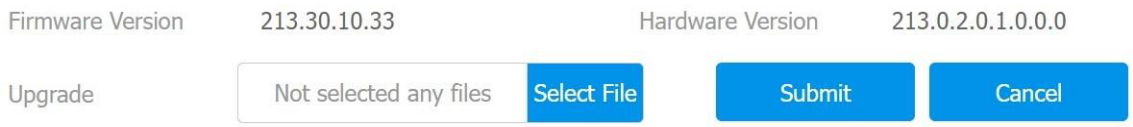
- Once the high security mode is enabled, you can't downgrade the device from the version with this mode to an old one without it.
- This mode is disabled by default when the device is upgraded to a new version with high security from an older version without the high security mode. However, if the device is reset to its factory settings, this mode is enabled by default.
- Enabling this mode makes the old version tools unusable. To continue using them, you need to upgrade them to the following versions:
  - PC Manager: 1.2.0.0
  - IP Scanner: 2.2.0.0
  - Upgrade Tool: 4.1.0.0
  - SDMC: 6.0.0.34
- The supported HTTP format varies depending on whether the high secure mode is enabled or disabled.
  When the mode is turned on, the device only supports new HTTP formats for door opening.
  - http://username:password@deviceIP/fcgi/OpenDoor?action=OpenDoor&DoorNum=1
  - http://deviceIP/fcgi/OpenDoor?action=OpenDoor&DoorNum=1

  When the mode is off, the device supports the above two new formats as well as the old one:
  - http://deviceIP/fcgi/do?ction=OpenDoor&UserName=username&Password=password&DoorNum=1
- You can't import or export tgz. format configuration files between a new version device and an old version device without the high security mode.

16 FIRMWARE UPGRADE

To upgrade the device by the device web interface:

Upgrade > Basic

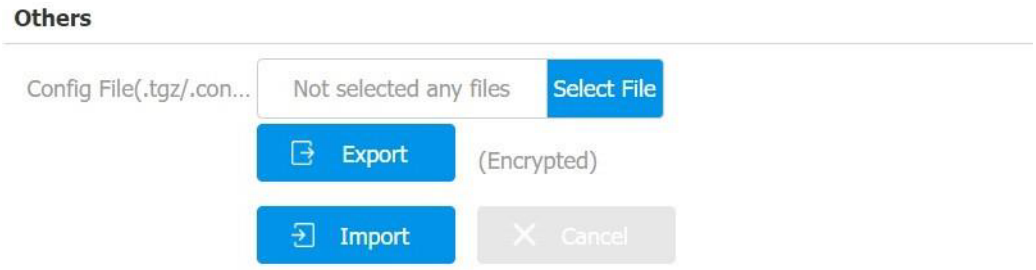


Note.
Firmware files should be .rom format for an upgrade.

17 BACKUP

To import or export encrypted configuration files to your Local PC:

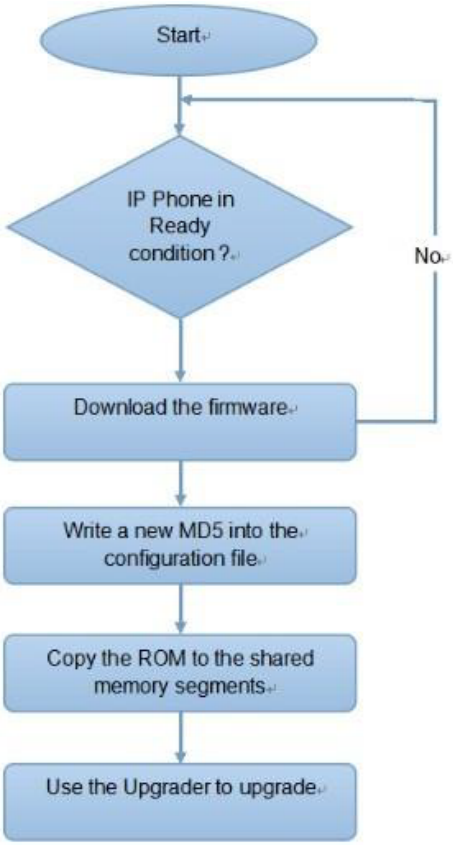
Upgrade > Advanced > Others



18 AUTO-PROVISIONING

Auto-provisioning is a feature used to configure or upgrade devices in batch using third-party servers. DHCP, PNP, TFTP, FTP, and HTTPS protocols are used by MyBell intercom devices to access the URL address of the third-party server which stores configuration files and firmware used to update the firmware and the corresponding settings on the device.

See the flow chart below:



18.1 - Introduction to the configuration files for auto-provisioning

Configuration files have two following formats for auto-provisioning:

- **General configuration provisioning** - a general file is stored in a server from which all the related devices can download the same configuration file to update settings on the devices. For example, cfg.
- **MAC-based configuration provisioning** - MAC-based configuration files are used for auto-provisioning on a specific device as distinguished by its unique MAC number. The configuration files named with the device MAC number are matched automatically with the device MAC number before being downloaded for provisioning on the specific device.

Note.

If a server has these two types of configuration files, then IP devices first access the general configuration files before accessing the MAC-based configuration files.

18.2 - Autop schedule

The device provides you with different Autop methods that enable the indoor monitor to perform provisioning for itself in a specific time according to your schedule.

To set up the schedule by the device web interface:

Upgrade > Advanced > Automatic Autop

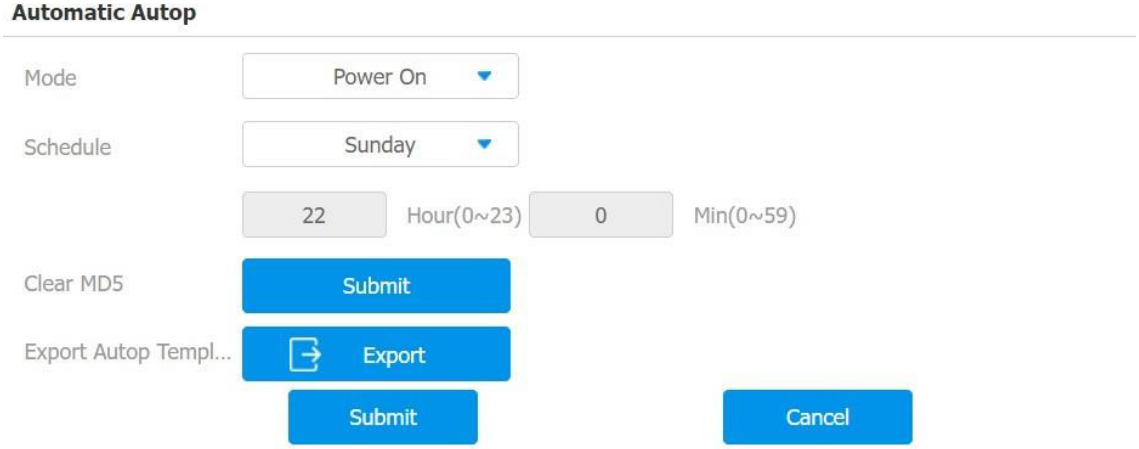


Table A30 - MyBell 2-Wire Indoor Monitor - Configuration of the automatic autop	
Setting	**Description**
Power On	Select **Power On** if you want the device to perform Autop every time it boots up.
Repeatedly	Select **Repeatedly** if you want the device to perform autop according to the schedule you set up.
Power On + Repeatedly	Select **Power On + Repeatedly** if you want to combine **Power On** mode and **Repeatedly** mode, which enable the device to perform Autop every time it boots up or according to the schedule you set up.
Hourly Repeat	Select **Hourly Repeat** if you want the device to perform Autop every hour.

18.3 - Static provisioning configuration

You can manually set up a specific server URL for downloading the firmware or configuration file. If an auto-provision schedule is set up, the device performs the auto-provisioning at a specific time according to the auto provision schedule you set up. In addition, TFTP, FTP, HTTP, and HTTPS protocols can be used for upgrading the device firmware and configuration.

To configure static provisioning:

Upgrade > Advanced > Manual Autop

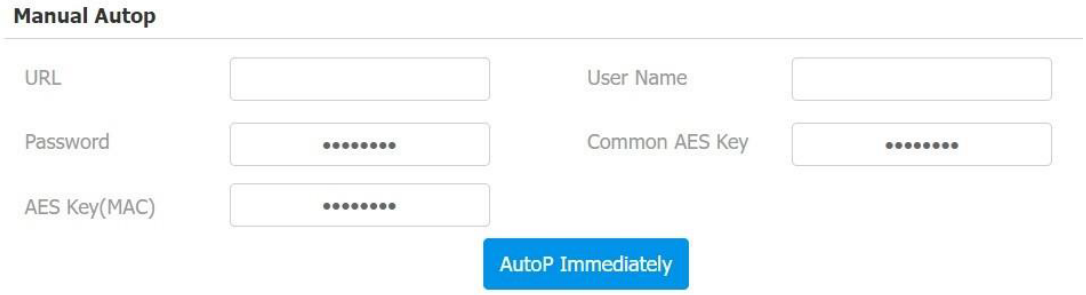


Table A31 - MyBell 2-Wire Indoor Monitor - Configuration of the static provisioning	
Setting	**Description**
URL	Set up TFTP, HTTP, HTTPS, and FTP server address for the provisioning.
Common AES Key	Set up AES code for the intercom to decipher the general Auto Provisioning configuration file.
AES Key (MAC)	Set up AES code for the intercom to decipher the MAC-based auto provisioning configuration file.

Note.

- AES encryption should be configured only when the config file is encrypted with AES.
- User specified server isn't provided. Please prepare TFTP/FTP/HTTP/HTTPS server by yourself.
- Server Address Format:
  - TFTP: tftp://192.168.0.19/
  - FTP: ftp://192.168.0.19/ (allows anonymous login)
  - ftp://username:password@192.168.0.19/(requires a user name and password)
  - HTTP: http://192.168.0.19/ (use the default port 80)
  - http://192.168.0.19:8080/ (use other ports, such as 8080)
  - HTTPS: https://192.168.0.19/ (use the default port 443)
- The general configuration file for the in-batch provisioning is with the format cfg. For example, r000000000313.cfg (9 zeros in total). While the MAC-based configuration file for the specific device provisioning is with the format MAC_Address of the device.cfg, for example, 0C 110504AE5B.cfg.

18.4 - Call log

If you want to check the dial-out calls, received calls, and missed calls in a certain period, you can search the call log by the device web interface and export the call log from the device if needed.

You can also set up the call-related picture capturing if needed.

To check call logs by the device web interface:

Contacts > Call Log

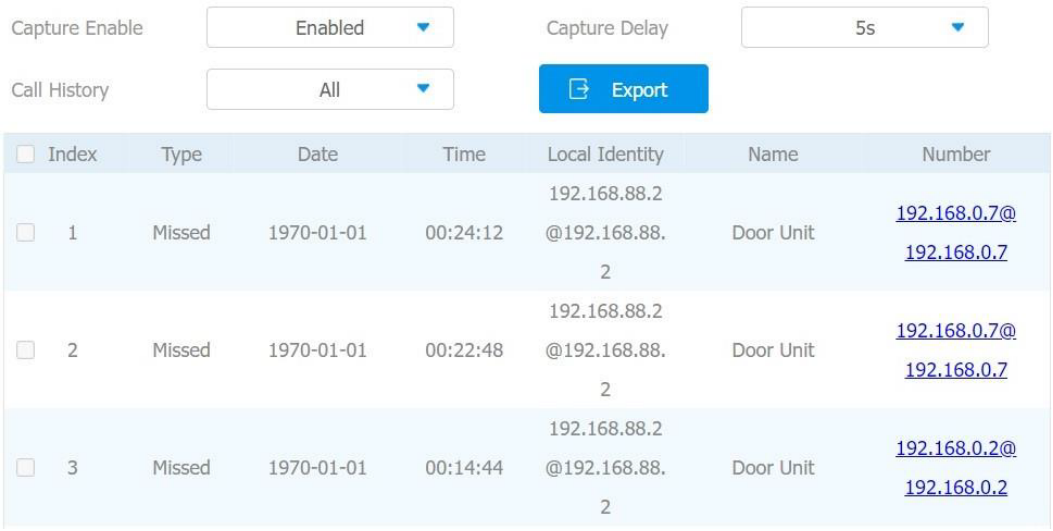


Table A32 - MyBell 2-Wire Indoor Monitor - Configuration of the call log	
Setting	**Description**
Call History	Select call history (All, Dialed, Received, Missed, and Forwarded) for the specific type of call log to be displayed.
Capture Enabled	Enable it so that the picture of the calling party (e.g., picture of a visitor) can be captured in the video preview.
Capture Delay	Set the image capturing starting time when the device goes into a video preview (5-10 seconds).

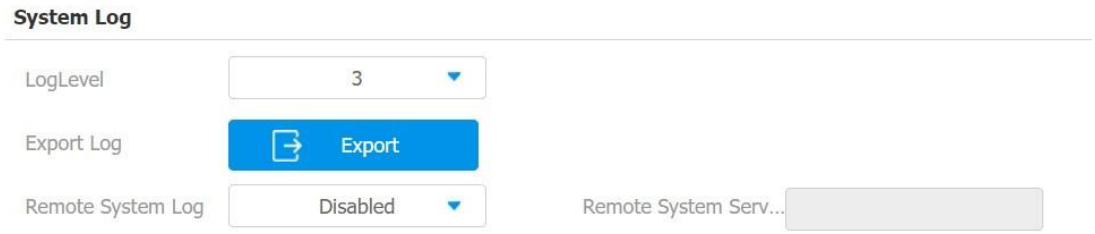
19 DEBUG

19.1 - System Log for debugging

System logs can be used for debugging purposes.

To export the system logs out to a local PC or to a remote server for debugging by the device web interface:

Upgrade > Advanced > System Log



Setting:

- **LogLevel:** Select log levels from 1 to 7 levels. The default log level is 3. The higher the level is, the more complete the log is.
- **Remote System Server:** Enter the remote server address to receive the device logs.

19.2 - PCAP for debugging

PCAP is used to capture the data package going in and out of the devices for debugging and troubleshooting purposes. PCAP needs to be set up before using it.

To set up PCAP by the device web interface:

Upgrade > Advanced > PCAP

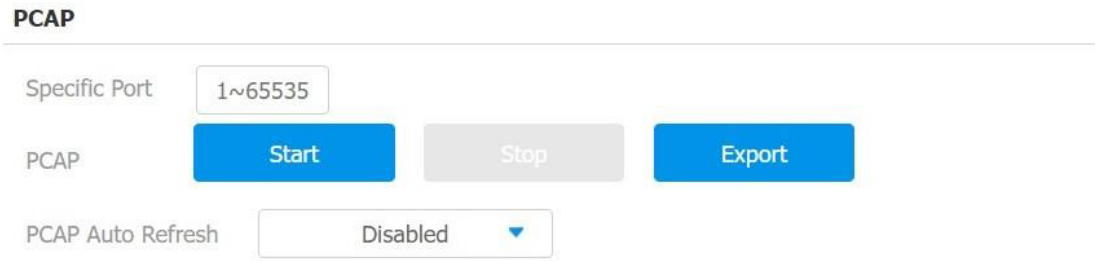


Table A33 - MyBell 2-Wire Indoor Monitor - Configuration of the PCAP

Setting	Description
Specific Port	Select the specific ports from 1-65535 so that only the data packet from the specific port can be captured. You can leave the field blank by default.
PCAP	Click the Start tab and Stop tab to capture a certain range of data packets before clicking Export tab to export the data packets to your Local PC.
PCAP Auto Refresh	If set to **Enable**, PCAP continues to capture data packets even after the data packets reach their 50 MB maximum in capacity. If set to **Disable**, PCAP stops data packet capturing when the data packet captured reaches the maximum capturing capacity of 1 MB.

20 PASSWORD MODIFICATION

20.1 - Modification of the device advanced setting password

This password is used to enter the advanced settings of the device, including password settings, account numbers, SOS numbers, and network settings. The default password is **123456**.

To modify the advanced setting password on the device screen:

More > Setting > Advance > Password

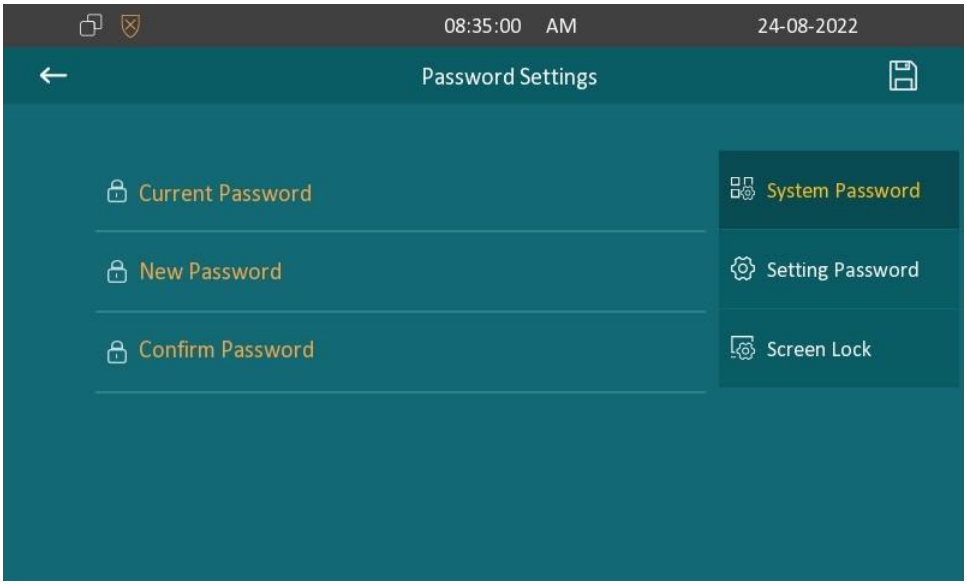


Table A34 - MyBell 2-Wire Indoor Monitor - Modification of the password on the device

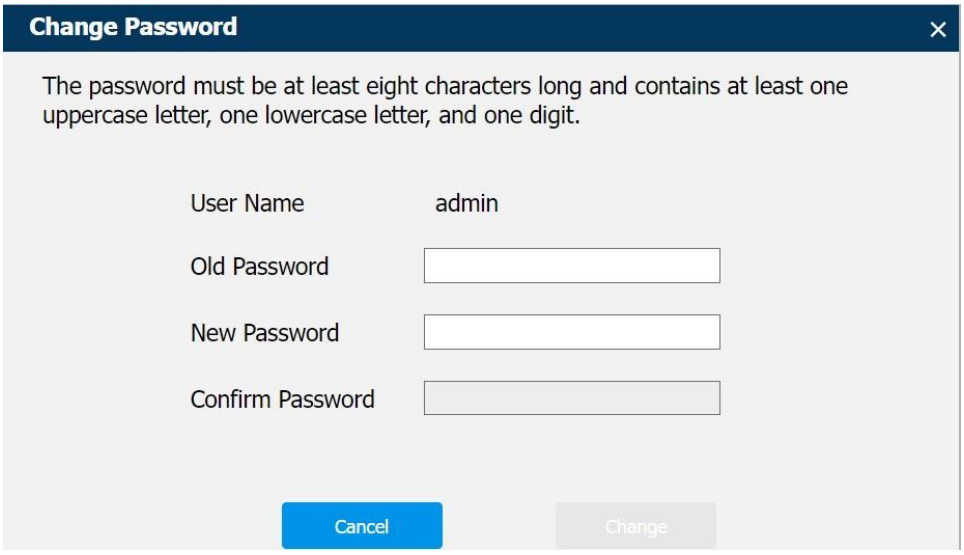
Setting	Description
Setting Password	Used to access the basic setting
System Password	Used to access advance settings
Screen lock	Used to unlock the screen

20.2 - Modification of the device web interface password

To modify the password by the web interface:

Security > Basic > Web Password Modify

Select **Admin** for the administrator account and **User** for the user account. Click the Change Password tab to change the password.



Note.

The default password for the admin account is **admin.**

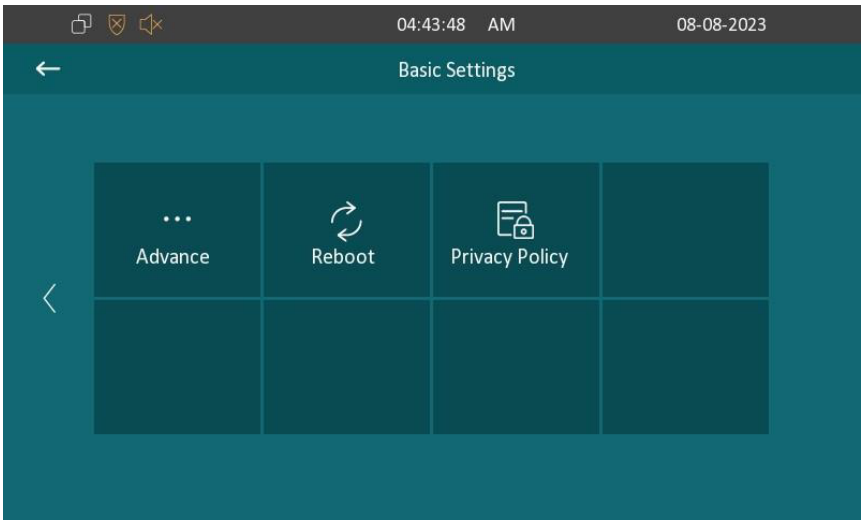
The default password for the user account is **user.**

21 SYSTEM REBOOT & RESET

21.1 - Reboot on the device

To reboot the system on the device screen:

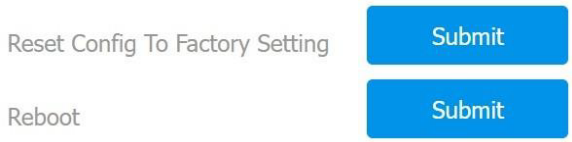
Setting > Reboot



21.2 - Reboot by the web interface

To reboot the system by the web interface:

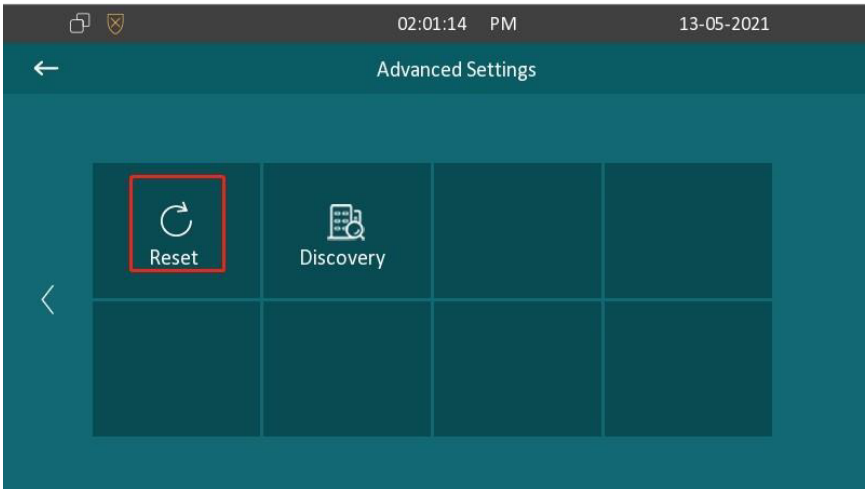
Upgrade > Basic



21.3 - Reset on the device

To reset the whole device system to the factory setting:

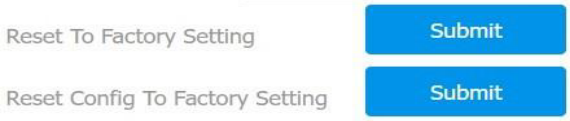
More > Setting > Advance



21.4 - Reset by the web interface

To reset the whole device system to the factory setting by the web interface:

Upgrade > Basic



You can click **Reset Config To Factory Setting** on the same page.

22 REGULATIONS

22.1 - Warranty

We warrant this product to be free from defects in material and workmanship under normal and proper use for one year from the purchase date of the original purchaser. We will, at its option, either repair or replace any part of the products that prove defective due to improper workmanship or materials. THIS LIMITED WARRANTY DOES NOT COVER ANY DAMAGE TO THIS PRODUCT THAT RESULTS FROM IMPROPER INSTALLATION, ACCIDENT, ABUSE, MISUSE, NATURAL DISASTER, INSUFFICIENT OR EXCESSIVE ELECTRICAL SUPPLY, ABNORMALMECHANICAL OR ENVIRONMENTAL CONDITIONS, OR ANY UNAUTHORIZED DISASSEMBLY, REPAIR OR MODIFICATION. This limited warranty shall not apply if: (i) the product was not used in accordance with any accompanying instructions, or (ii) the product was not used for its intended function. This limited warranty also does not apply to any product on which the original identification information has been altered, obliterated or removed, that has not been handled or packaged correctly, that has been sold as second-hand or that has been resold contrary to Country and other applicable export regulations.

22.2 - Declaration of conformity

CE

Hereby, Nice S.p.A. declares that MyBell 2-Wire Indoor Monitor is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: http://www.niceforyou.com/en/support

22.3 - WEEE Directive Compliance

Device labelled with this symbol should not be disposed with other household wastes. It shall be handed over to the applicable collection point for the recycling of waste electrical and electronic equipment.

IS0928A00EN_30-04-2024

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