Product manual
ABB-Welcome IP

H8236-._H8237-. IP touch

1 Notes on the instruction manual

Please read through this manual carefully and observe the information it contains. This will assist you in preventing injuries and damage to property and ensure both reliable operation and a long service life for the device.

Please keep this manual in a safe place. If you pass the device on, also pass on this manual along with it. ABB accepts no liability for any failure to observe the instructions in this manual.

2 Safety

Warning

Electric voltage!

Dangerous currents flow through the body when coming into direct or indirect contact with live components.

This can result in electric shock, burns or even death.

–   Disconnect the mains power supply prior to installation and/or disassembly!
–   Permit work on the 100-240 V supply system to be performed only by specialist staff!

3 Intended use

This device is a central control panel of the ABB-Welcome IP system and operates exclusively with components from this system. The device must only be installed in dry indoor rooms.

IC statement

Product name:

Model:

IC:XXX-YYY

CAN ICES-3 (B)/NMB-3(B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Cet ééquipement est conforme aux limites d exposition aux rayonnements de la IC éétablies pour un environnement non contrôéé. Cet ééquipement doit êêtre installé et fonctionner à au moins 20 cm de distance d un radiateur ou de votre corps.

WiFi installation

Note

If the device supports WiFi function, please make sure the device has good WiFi signal reception before installation. The distance between the router and monitors, and the construction materials used in the walls are factors that can affect signal quality.

If the WiFi signal is not strong enough to guarantee correct operation, a WiFi repeater must be installed between the router and this device in order to boost the WiFi signal received by this device.

Micro SD card

SD card

The indoor station supports the following SD card type:

- Type: Micro SDHC
- Capacity: 4...32 G
- Speed: Class10
- File system: FAT32
- Please use a SD card complying with SDHC standard, some SD cards may not perform correctly. It is recommended to use SanDisk, Kingston, Transcend SDHC cards, which are fully tested and verified.
- Do not remove SD card or reboot indoor station while recording or copying images onto the SD card, otherwise this SD card may fail to preform when recording or playing images.
- ABB is no responsible for the performance of an SDHC card.

IP-Cam

Note

The indoor station supports IP-Cam with onvif protocol (Profile S).

Ringtone

Note

The ringtone supports .mp3 and .wav format, with a maximum size of 32 M.

Audio and video file

Note

The audio file supports .mp3 and .wav format.
The video file supports .avi and .mp4 format, with a maximum resolution of 1920 x 1080.

Picture

Note

The picture supports .jpg, .png and .bmp format, with a maximum resolution of 2048 x 1920. The recommend resolution is 1024 x 600.

4   Environment

Consider the protection of the environment!

Used electric and electronic devices must not be disposed of with household waste.

– The device contains valuable raw materials that can be recycled. Therefore, dispose of the device at the appropriate collecting facility.

4.1   ABB devices

All packaging materials and devices from ABB bear the markings and test seals for proper disposal. Always dispose of the packing materials and electric devices and their components via an authorized collection facility or disposal company.

ABB products meet the legal requirements, in particular the laws governing electronic and electrical devices and the REACH ordinance.

(EU-Directive 2012/19/EU WEEE and 2011/65/EU RoHS)

(EU-REACH ordinance and law for the implementation of the ordinance (EG) No.1907/2006)

5   Product description

5.1   Device type

Article number	Order number	Product name	Colour	Size (DxHxW) Unit: mm
H8236-4B	2TMA130050B0065	IP touch 7",DES+KNX+f@h+APP,LAN+WiFi,T-loop	Black	198.5 x 149.6 x 36
H8236-4W	2TMA130050W0065	IP touch 7",DES+KNX+f@h+APP,LAN+WiFi,T-loop	White	198.5 x 149.6 x 36
H8236-5B	2TMA130050B0067	IP touch 7",DES+KNX+f@h+APP,LAN+LAN,T-loop	Black	198.5 x 149.6 x 36
H8236-5W	2TMA130050W0067	IP touch 7",DES+KNX+f@h+APP,LAN+LAN,T-loop	White	198.5 x 149.6 x 36
H8237-4B	2TMA130050B0054	IP touch 10",DES+KNX+f@h+APP,LAN+WiFi,T-loop	Black	251 x 185 x 27
H8237-4W	2TMA130050W0054	IP touch 10",DES+KNX+f@h+APP,LAN+WiFi,T-loop	White	251 x 185 x 27
H8237-5B	2TMA130050B0055	IP touch 10",DES+KNX+f@h+APP,LAN+LAN,T-loop	Black	251 x 185 x 31
H8237-5W	2TMA130050W0055	IP touch 10",DES+KNX+f@h+APP,LAN+LAN,T-loop	White	251 x 185 x 31

5.2 Control elements

IP touch 7

No.	Function
1	Touch screen

IP touch 10

No.	Function
1	Touch screen

5.3 **Terminal description**

IP touch 7

No.	Function
1	Power input connector
2	Power input connector (DC-JACK input)
3	Doorbell connector
4	LAN1 (PoE)
5	Micro USB Upgrade connector
6	[3] Extension module connector
7	Microphone
8	Dismantling switch
9	Micro SD card connector
10	Speaker
11	[2] LAN2
12	[2] Alarm connector
13	[2] RS485 connector, 12 V output, emergency port (SOS, GAS, fire)
14	[2] Relay output

[2] IP touch 7 (LAN+LAN)   [3] IP touch 7 (LAN)

IP touch 10

No.	Function
1	Power input connector
2	Power input connector (DC-JACK input)
3	Doorbell connector
4	LAN1 (PoE)
5	Micro USB Upgrade connector
6	Interface module connector
7	Microphone
8	Dismantling switch
9	Micro SD card connector
10	Speaker
11	² LAN2
12	² Alarm connector
13	² RS485 connector, 12 V output (12 V output is not available when PoE powered)
14	² Relay output
15	N/A

² IP touch 10 (LAN+LAN)

6 Technical data

IP touch 7

Designation	Value
Rating voltage	24 V ⎓
Operating voltage range	20-27 V ⎓
[1] Rating current	27 V ⎓, 250 mA 24 V ⎓, 280 mA
[2] Rating current	27 V ⎓, 390 mA 24 V ⎓, 440 mA
[3] Rating current	27 V ⎓, 240 mA 24 V ⎓, 270 mA
Display size	7"
Resolution	1024 x 600 px
Operating temperature	-10 °C … +55 °C
PoE standard	IEEE802.3 af
[2] Alarm power output	12 V ⎓, 200 mA
[2] Relay output	30 V ⎓, 1 A
[1] Wireless transmission band	**802.11b/g/n:** 2412...2462MHz (for United States) 2412...2472MHz (for European countries) **802.11a/n:** 5150…5250MHz 5250…5350MHz 5470…5725MHz (not used in Russia) 5725…5850MHz (for United States)
[1] Wireless transmission power	Max. 20 dBm@12 Mbps OFDM 2.4 G Max. 20 dBm@12 Mbps OFDM 5.8 G
[1] Wireless transmission standard	IEEE 802.11 a/b/g/n

[1] IP touch 7 (LAN+WiFi)   [2] IP touch 7 (LAN+LAN)   [3] IP touch 7 (LAN)

IP touch 10

Designation	Value
Rating voltage	24 V ⎓
Operating voltage range	20-27 V ⎓
[1] Rating current	27 V ⎓, 390 mA 24 V ⎓, 440 mA
[2] Rating current	27 V ⎓, 520 mA 24 V ⎓, 600 mA
Display size	10"
Resolution	1280 x 800 px
Operating temperature	-10 °C … +55 °C
PoE standard	IEEE802.3 af
[2] Alarm power output	12 V ⎓, 200 mA (12 V output is not available when PoE powered)
[2] Relay output	30 V ⎓, 1 A
[1] Wireless transmission band	**802.11b/g/n:** 2412...2462MHz (for United States) 2412...2472MHz (for European countries) **802.11a/n:** 5150…5250MHz 5250…5350MHz 5470…5725MHz (not used in Russia) 5725…5850MHz (for United States)
[1] Wireless transmission power	Max. 20 dBm@12 Mbps OFDM 2.4 G Max. 20 dBm@12 Mbps OFDM 5.8 G
[1] Wireless transmission standard	IEEE 802.11 a/b/g/n

[1] IP touch 10 (LAN+WiFi)   [2] IP touch 10 (LAN+LAN)

7 Mounting/Installation

Warning

Electric voltage!
Dangerous currents flow through the body when coming into direct or indirect contact with live components.
This can result in electric shock, burns or even death.
– Disconnect the mains power supply prior to installation and/or disassembly!
– Permit work on the 100-240 V supply system to be performed only by specialist staff!

7.1 Requirement for the electrician

Warning

Electric voltage!
Install the device only if you have the necessary electrical engineering knowledge and experience.
– Incorrect installation endangers your life and that of the user of the electrical system.
– Incorrect installation can cause serious damage to property, e.g. due to fire.
The minimum necessary expert knowledge and requirements for the installation are as follows:
– Apply the "five safety rules" (DIN VDE 0105, EN 50110):
  1. Disconnect
  2. Secure against being re-connected
  3. Ensure there is no voltage
  4. Connect to earth and short-circuit
  5. Cover or barricade adjacent live parts.
– Use suitable personal protective clothing.
– Use only suitable tools and measuring devices.
– Check the type of supply network (TN system, IT system, TT system) to secure the following power supply conditions (classic connection to ground, protective grounding, necessary additional measures, etc.).

7.2   Product dimensions

Uint: mm

IP touch 7

IP touch 10

7.3   Installation height

1.50 m (4.9 feet)

7.4 Surface-mounted installation

This installation method is not suitable for IP touch (LAN+LAN).

Surface-mounted box – IP touch 7

IP touch 10

Installation

7.5   Flush-mounted installation

With pre-installation box

7.6 Cavity wall installation

7.7   Desktop installation

This installation method is not suitable for IP touch (LAN+LAN).

7.8 Dismantling

7.9 Replacing the end strip

This operation is not suitable for full glass IP touch.

8 Commissioning

8.1 Initial setup

This indoor station enters initial setup automatically when powered on the first time or "Clear all data" is carried out on the "Engineering settings" screen. Please see the "Clear all data" chapter for more details.

1. Selecting a system language

2. Acceptping the licensing terms

INSTALLATION

ABB End User License Agreement ("EULA")

IMPORTANT: PLEASE READ THE TERMS AND
CONDITIONS OF THIS LICENSE AGREEMENT
CAREFULLY BEFORE CONTINUING WITH THIS
PROGRAM INSTALL

This End-User License Agreement ("EULA") is a legal
agreement between you (either an individual or a single
entity) and ABB GENWAY XIAMEN ELECTRICAL
EQUIPMENT CO., LTD or its affiliates (the "Company") for
the "SOFTWARE PRODUCT". SOFTWARE PRODUCT
means the machine readable (object code) version of the

☑ I accept the terms "Licensing Terms"

‹   ›

INSTALLATION

Licensing Terms
ABB-Welcome

License Agreement for Software for Use on Phone

0. Definitions, Delivery of the Software

This license agreement shall be concluded between ABB
Information Systems AG, Switzerland (hereinafter referred to
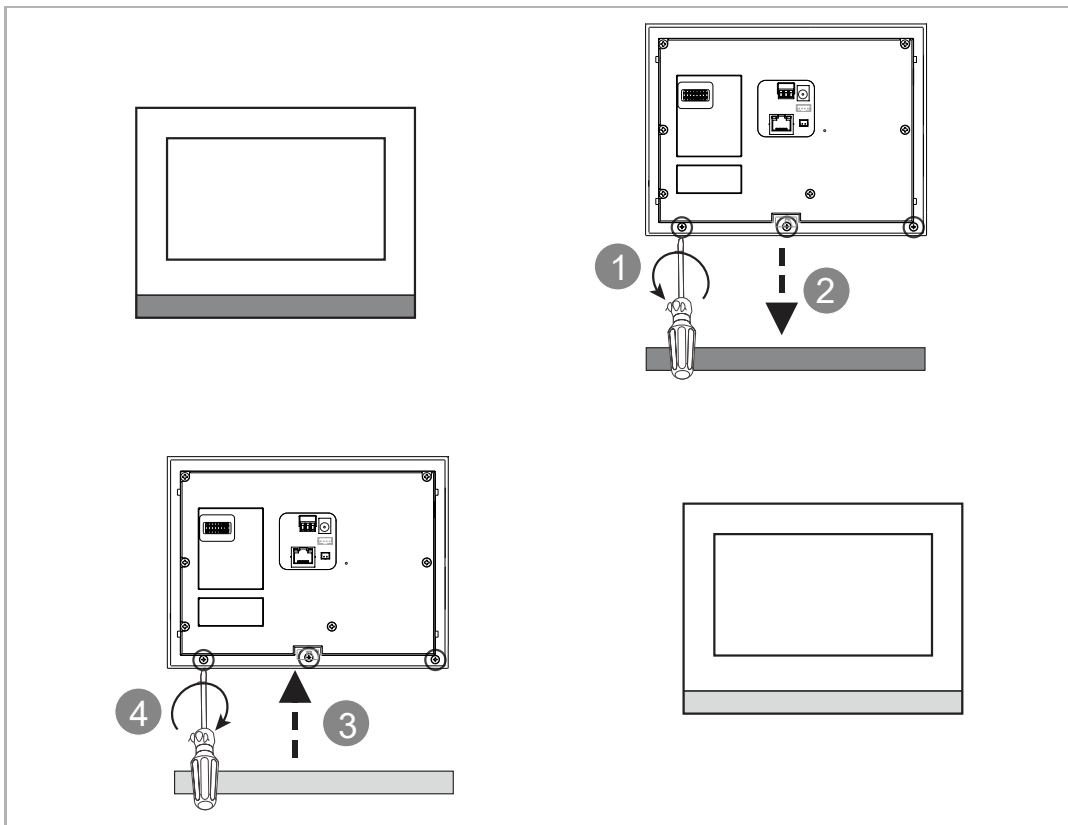as "Licensor") and the licensee, for example, by means of a
download of the application (which may contain parts of OSS
components) ("Software") of the the Licensor from APP
Market or upon any other acknowledgment of the Licensing
Terms

☑ I accept the terms "Licensing Terms"

‹   ›

3. Selecting a country

INSTALLATION

Statement:

Please correctly choose the country where the product is used. We do not take any responsibility for any consequence, damage and risk whatsoever arising out of or caused by improper selection of the country where the product is used, including but not limited to impact on use of this product or use of other products or facilities, incompliance with local regulations or policies, and any other direct or indirect losses or claims.

Current location (C):

China

4. Setting the date and time

INSTALLATION

Please select date and time

Time
16   56
17   57
18 : 58
19   59
20   00

Date
22   05   2016
23   06   2017
24   07   2018
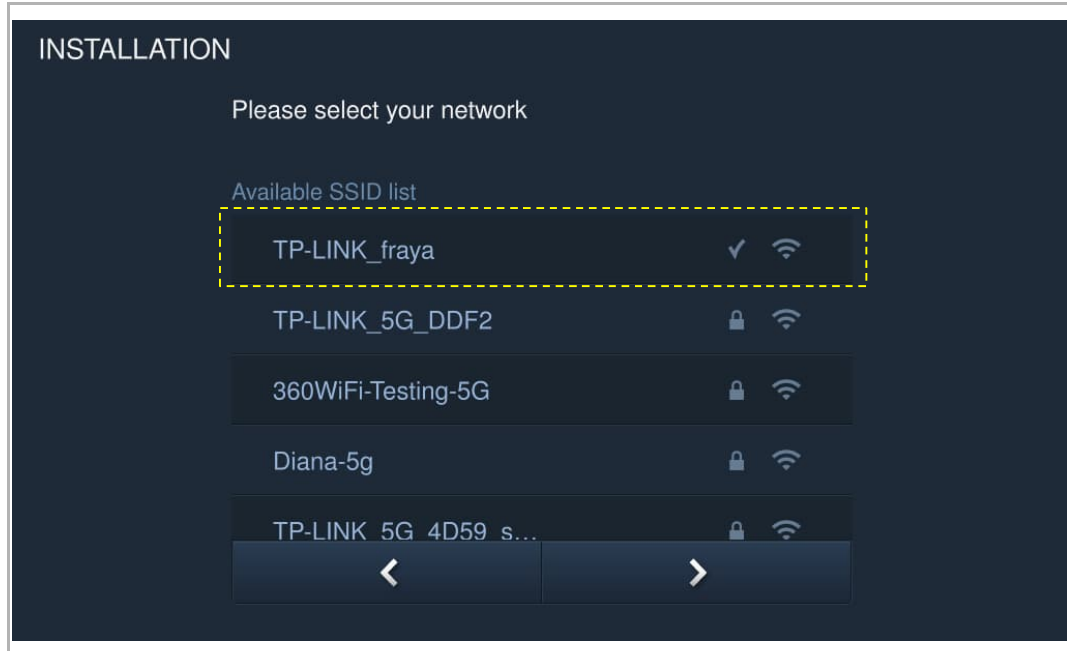25   08   2019
26   09   2020

Time Format
24 hours

Date Format
DD/MM/YYYY

5. Setting the WiFi

This setting applies to IP touch (LAN+WiFi) only.

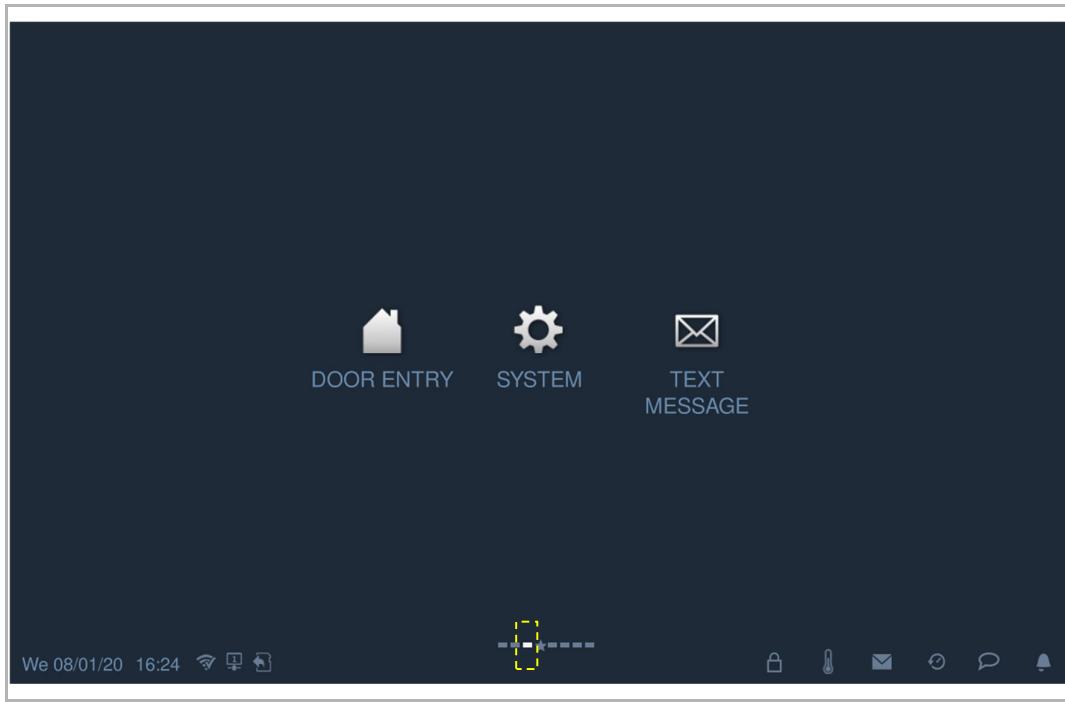Please see the "Network settings" chapter for more details.

8.2 Home screen

The home screen displays a "★" at the bottom. The system default home screen is "Home automation" screen. The Home screen can be set on the "Engineering setting" screen. .
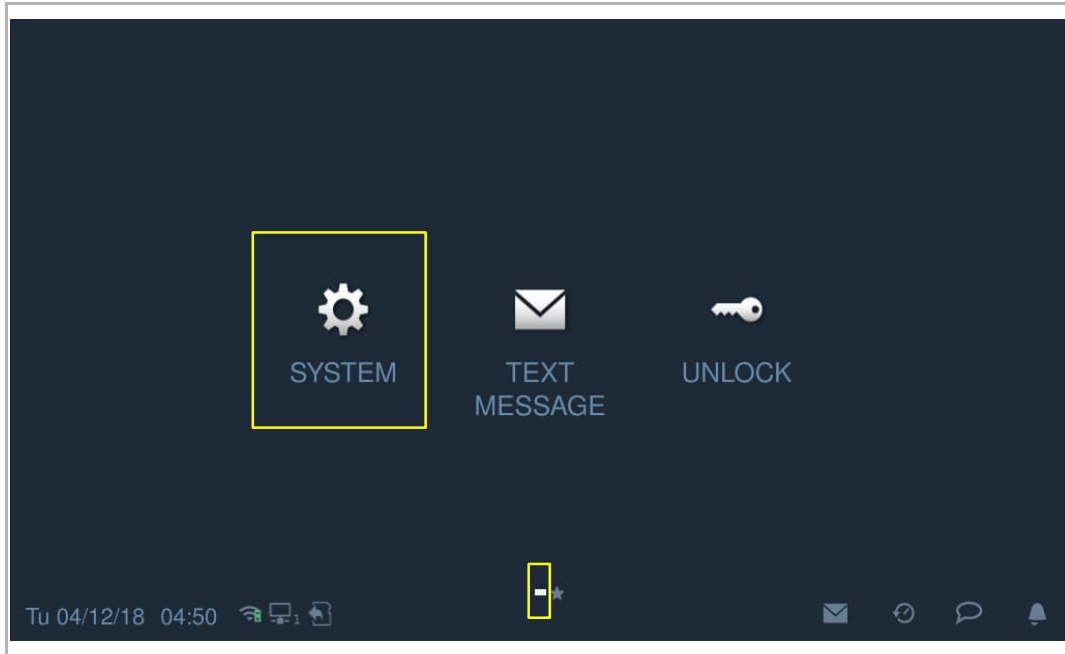
8.3   Extra screen

The extra screen displays "−" at the bottom of the screen.
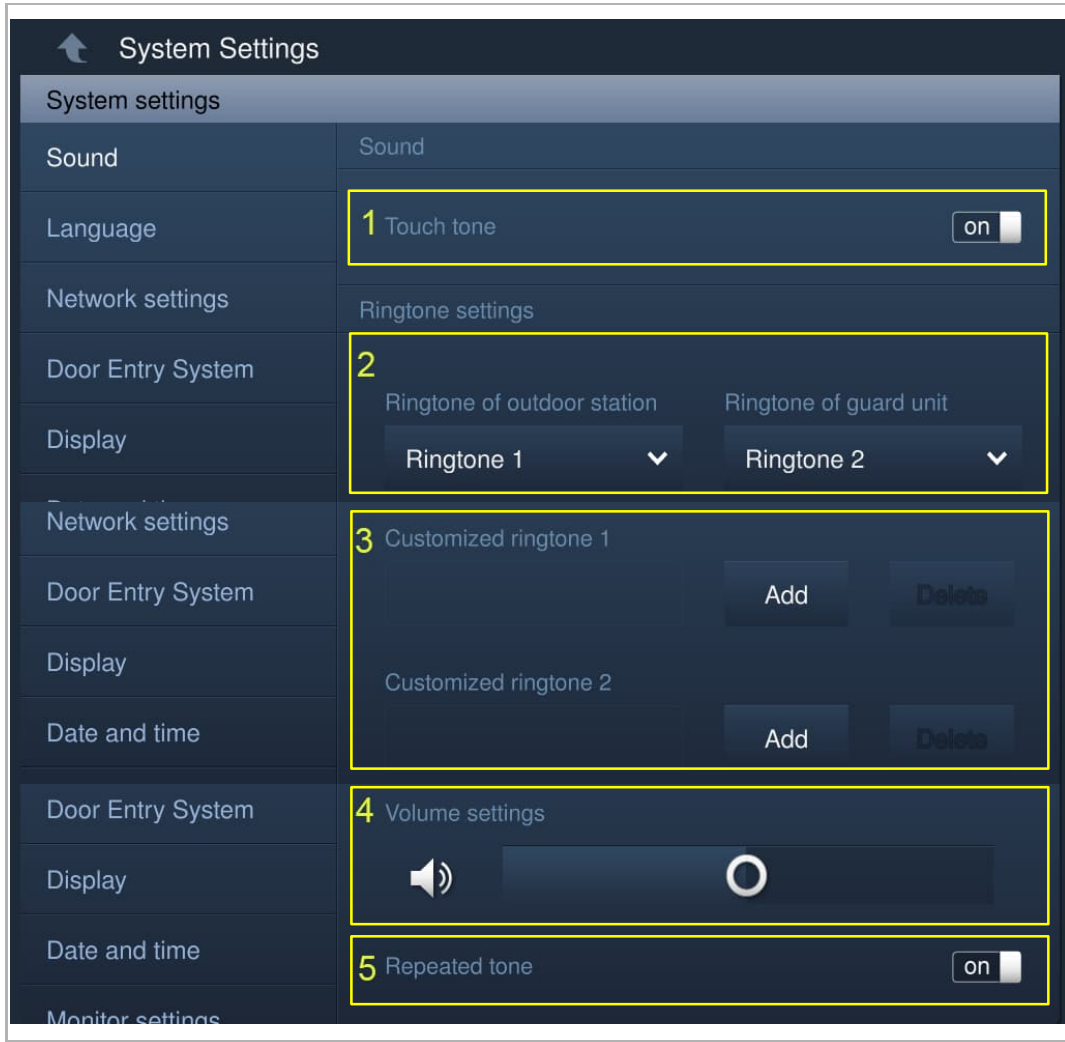
8.4   System settings

8.4.1   Accessing the "System settings" screen

On the extra screen, click "System" to access the corresponding screen.

8.4.2   Sound setting

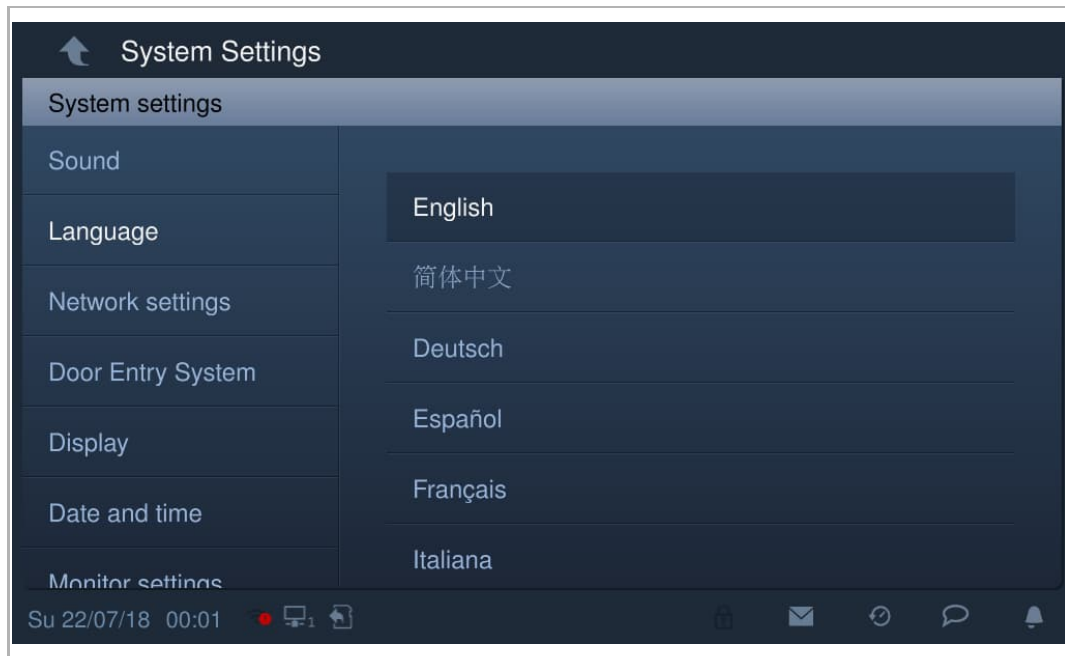On the "System settings" screen, click "Sound" to access the corresponding screen.

No.	Function
1	**Touch tone setting**
2	**Ringtone setting** Click the drop-down list to select the ringtones for outdoor station, indoor stations, guard unit and doorbell (built-in 4 ringtones).
3	**Customized ringtone** A maximum of 3 customized ringtones can be added from an SD card.
4	**Volume settings** Adjust the volume of the ringtone.
5	**Repeated tone setting** ON = repeated ringtone within 30 s, OFF = rings only once

8.4.3   Language setting

On the "System settings" screen, click "Language" to access the corresponding screen.

8.4.4   Network setting

WIFI settings
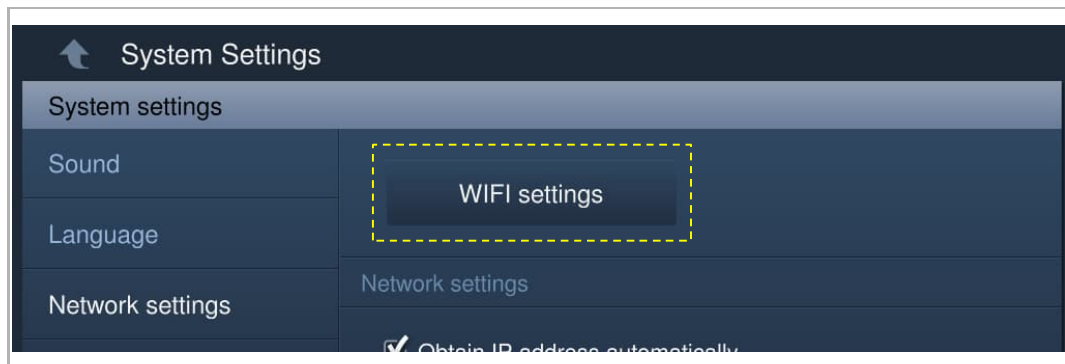
This setting applies to IP touch (LAN+WiFi) only.
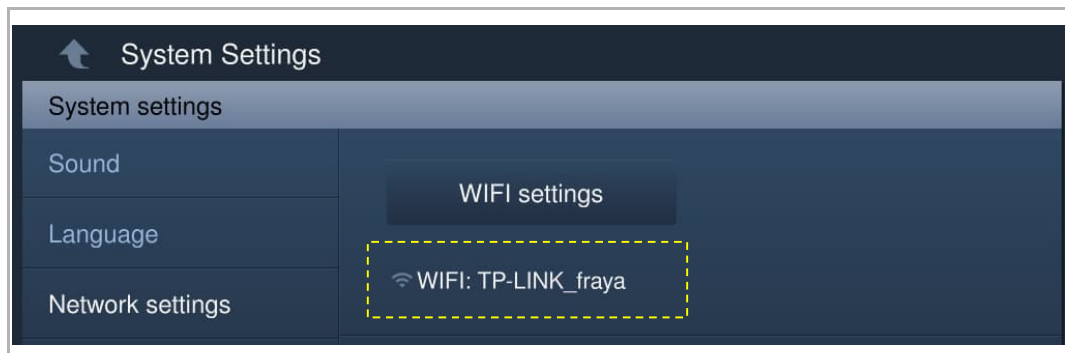
1. Connect WiFi

Please ensure the "SSID broadcast" function is used on the router.

On the "System settings" screen, click "Network settings" >> "WiFi settings".

The indoor station will obtain an SSID list automatically. Select a WiFi name from the SSID list and enter the password to connect to that WiFi network.

Go to the "Network settings" screen, and the WiFi name will be displayed if successful.
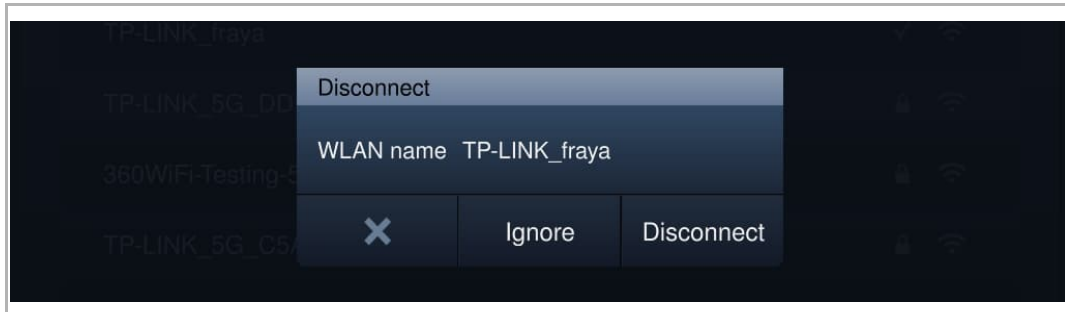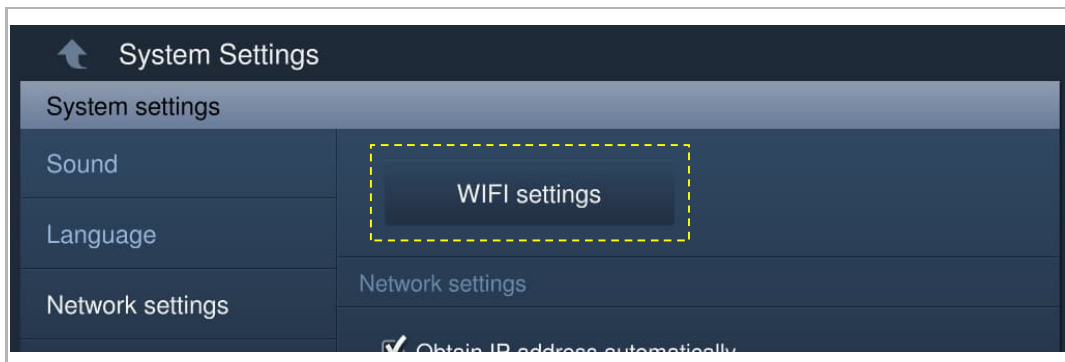
2. Disconnect WiFi

Select the designated WiFi name from the SSID list, click "Ignore" or "Disconnect" to disconnect the WiFi.

Ignore: password needed to reconnect this WiFi.

Disconnect: no password needed to reconnect this WiFi.

Go to the "Network settings" screen, the WiFi name will disappear if successful.

8.4.5 Automatic snapshot setting

On the "System settings" screen, click "Door Entry System" to access the corresponding screen. Then tick the "Automatic snapshots" checkbox to enable the function.

The indoor station will take 3 snapshots automatically during an incoming call.

8.4.6   Absence message setting

The indoor station allows you to leave voice messages for visitors and to record voice message from visitors.

Enable "Absence message"

> **Note**
> At least one voice message must exist before this function can be used. .

Please follow the steps:

[1] On the IP touch screen, tap " " on the status bar.

[2] Tap "Voice message".

[3] Tap " 🔧 " to enter the setting mode. If "√ Absence message" has been displayed on the screen, please continue to step 6 and step 7, otherwise continue to step 4 and step 5.

[4] Tick the check box "Absence message".

[5] Tap "OK" to save the setting.

[6] On the "System settings" screen, tap "Door Entry System".

[7] Tick the check box "Absence message" to enable the function.

Disable "Absence message"

Please follow the steps:

[1] On the "System settings" screen, tap "Door Entry System".

[2] Untick the check box "Absence message" to disable the function.

8.4.7   Unlock button setting

Unlock button

In standby status, on the "Door Entry" screen, the unlock button is disabled by default.

Activating the "Releasing the default lock" function

Please follow the steps to activate the function:

[1] On the "System settings" screen, tap "Door Entry System".

[2] Tap "Address of default unlock".

[3] Select the lock type from the drop-down list. It can be set to "Door lock" or "Actuator lock".

[4] Select the designated device from the drop-down list.

[5] Tap "OK" to save the setting.

Note

If the gate station (device type = GS) or network IP actuator need to be assigned the function, a gate station (device ID =1) must be used before assignment.

If the building outdoor station (device type = OS) or building IP actuator need to be assigned the function, a building outdoor station (device ID =1) must be used before assignment.

[6] In standby status, on the "Door Entry" screen, the unlock button is assigned to the "Release the default lock" function.

8.4.8 Program button setting

Program button

In standby status, on the "Door Entry" screen, program button is disabled by default.

Assigning the "Open auxiliary lock" function

Please follow the steps to assign the address:

[1] On the "System settings" screen, tap "Door Entry System". The program button is assigned to the "Open auxiliary lock" function by default.

[2] Tap "Address of default unlock".

[3] Select the lock type from the drop-down list. It can be set to "Door lock" or "Actuator lock".

[4] Select the designated device from the drop-down list.

[5] Tap "OK" to save the setting.

Note

If the gate station (device type = GS) or network IP actuator need to be assigned the function, a gate station (device ID =1) must be used before assignment.

If the building outdoor station (device type = OS) or building IP actuator need to be assigned the function, a building outdoor station (device ID =1) must be used before assignment.
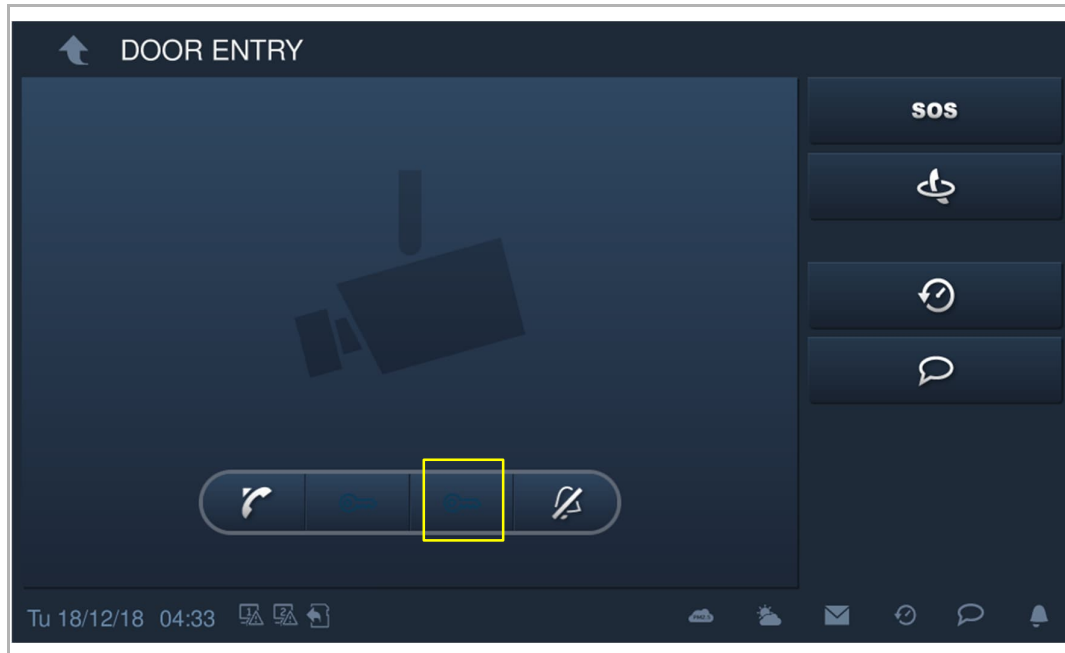
[6] In standby status, on the "Door Entry" screen, the program button has been assigned to the "Open the auxiliary lock" function.
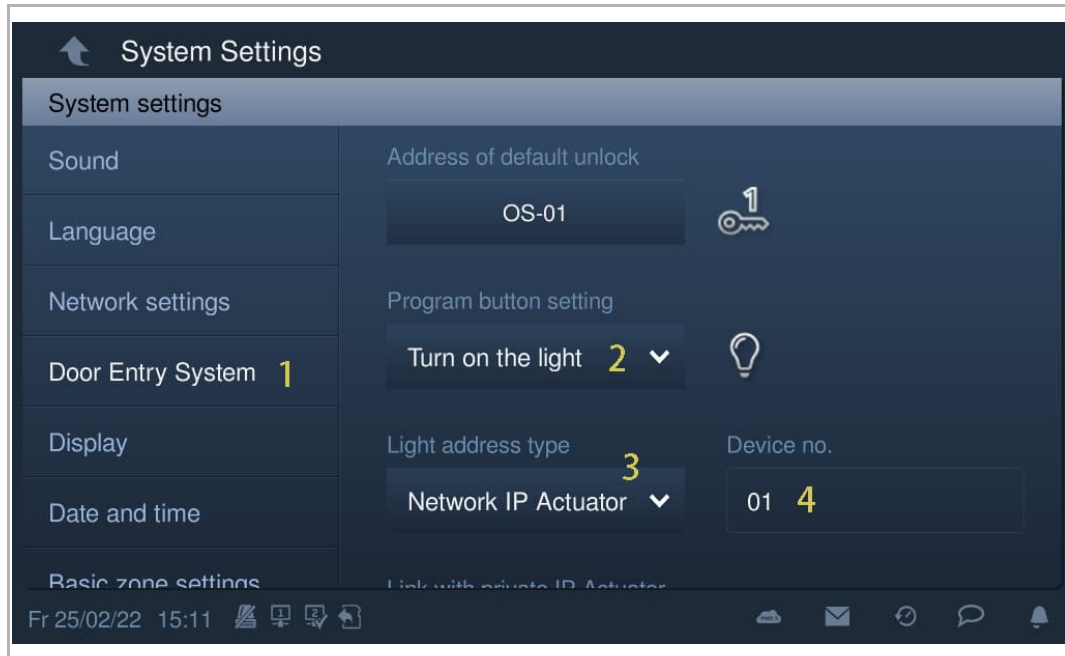
Assigning the "Turn on the light" function

Please follow the steps to assign the address:

[1] On the "System settings" screen, tap "Door Entry System".

[2] Select "Turn on the light" from the drop-down list.

[3] Select the IP actuator type from the drop-down list. It can be set to "Network IP actuator", "Building IP actuator" or "Private IP actuator".

[4] Enter the device number.

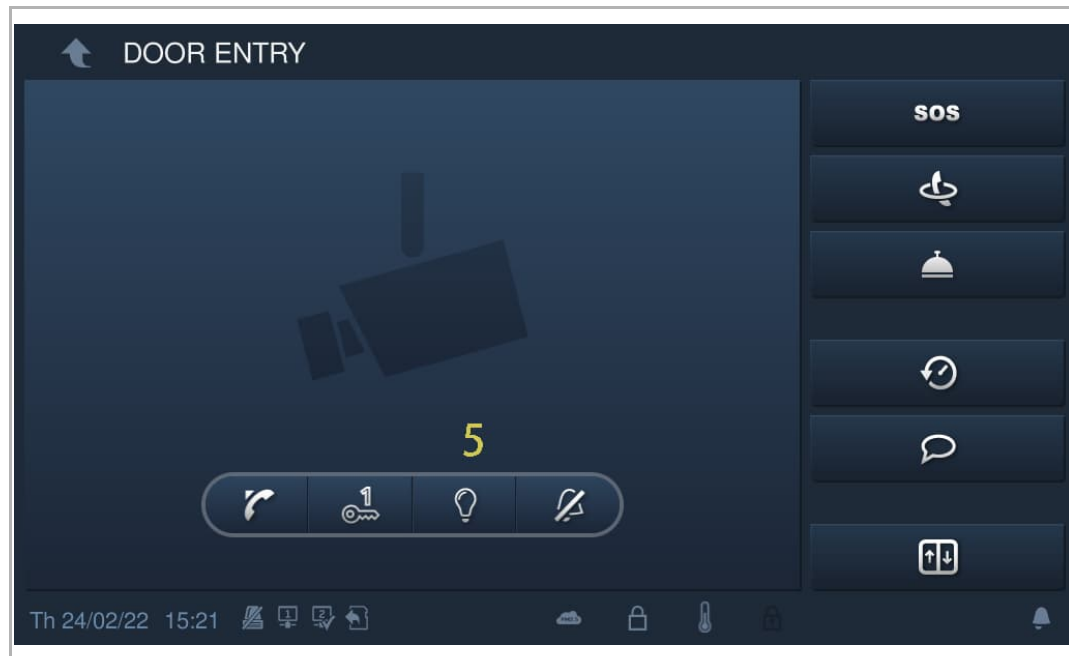**Note**

If the IP actuator needs to be assigned the function, a gate station (device ID =1) must be used before assignment.

If the building IP actuator needs to be assigned the function, a building outdoor station (device ID =1) must be used before assignment.

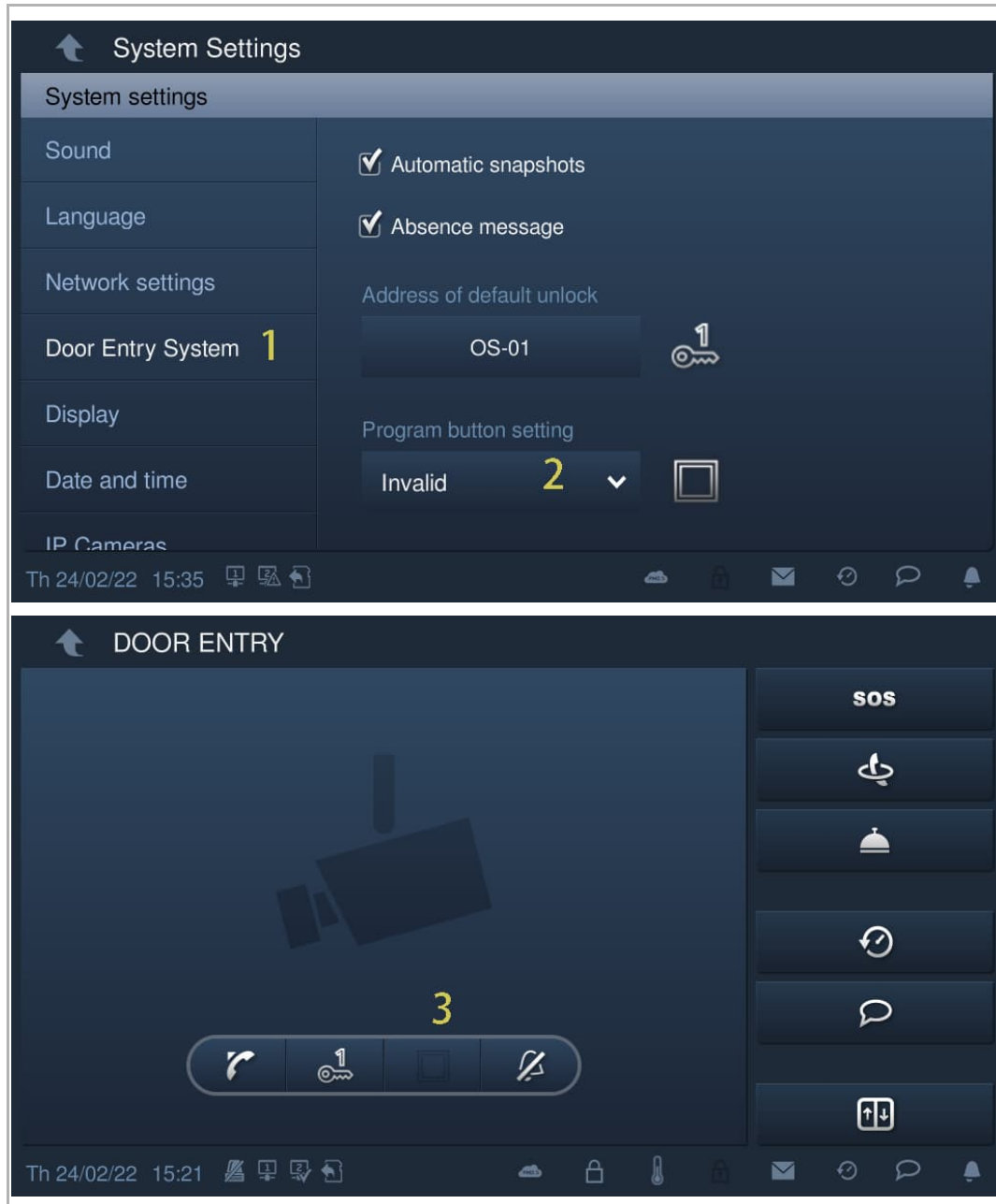[5] In standby status, on the "Door Entry" screen, the program button has been assigned to "Turn on the light" function.

Disable the program button

Please follow the steps to assign the address:

[1] On the "System settings" screen, tap "Door Entry System".

[2] Select "Invalid" from the drop-down list.

[3] In standby status, on the "Door Entry" screen, the program button has the function disabled.

8.4.9   Auto unlock setting

You can use the "Auto unlock" function to release the locks on the default outdoor station automatically during the designated period.

Precondition

On the "Engineering settings", "Local settings" screen, the "Unlock timer" function must be enabled.

Auto unlock setting

Please follow the steps below:

[1] On the extra screen, tap "Unlock timer" to access the corresponding screen.

[2] Tap " 🔧 ".

[3] Tap "Add automatic unlock".

[4] Select the days of the week, with the selected options shown with highlighting.

[5] Set the start time.

[6] Set the end time.

[7] Tap "OK".

Note

A maximum of 10 items is supported.

[8] With this setting, this device will enter auto unlock mode automatically and display " 🔒 " on the status bar.

[9] The lock will be released automatically 5 s later during an incoming call.

8.4.10   Card management

This indoor station can manage IC cards for IP pushbutton outdoor station.

Note
It is recommended that IC cards are created and maintained using local outdoor stations or management software only.

On the "System settings" screen, click "Door Entry System", "Card management", and enter the user password (the system default is 123456) to access the corresponding screen.

Card register

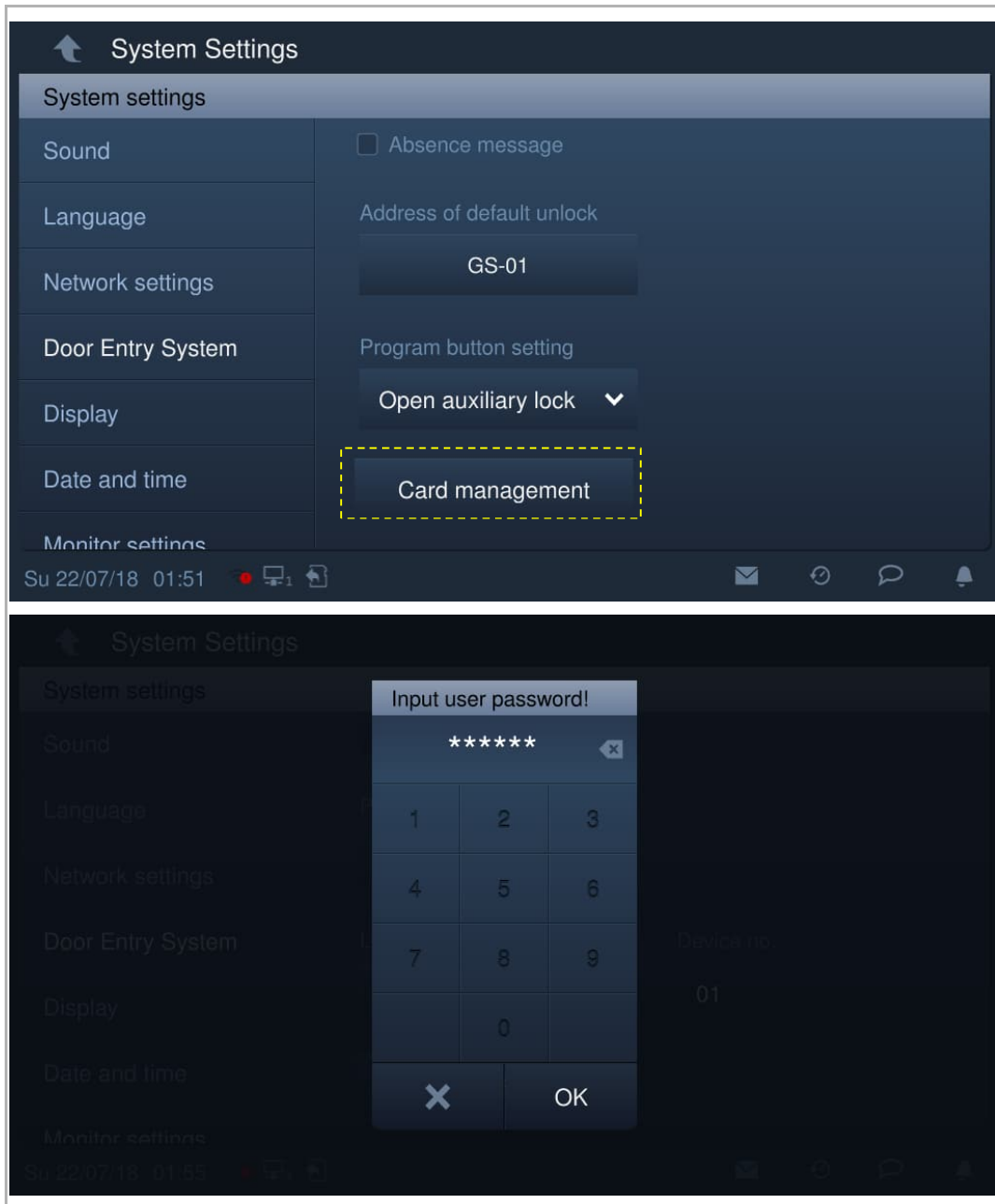1. Enter registering mode

On the "Card management" screen, click "Card register", select the device and then click "Card register".

The pushbutton module on the outdoor station will flash orange as a prompt to swipe an IC card.

2. Exit registration mode

Press the first button on the outdoor station to exit registration mode.

If an IC card has been registered, the outdoor station will exit registration mode automatically if no operations are carried out within 15 s.

If no IC card has been registered, the outdoor station will exit registration mode automatically if no operations are carried out within 300 s.
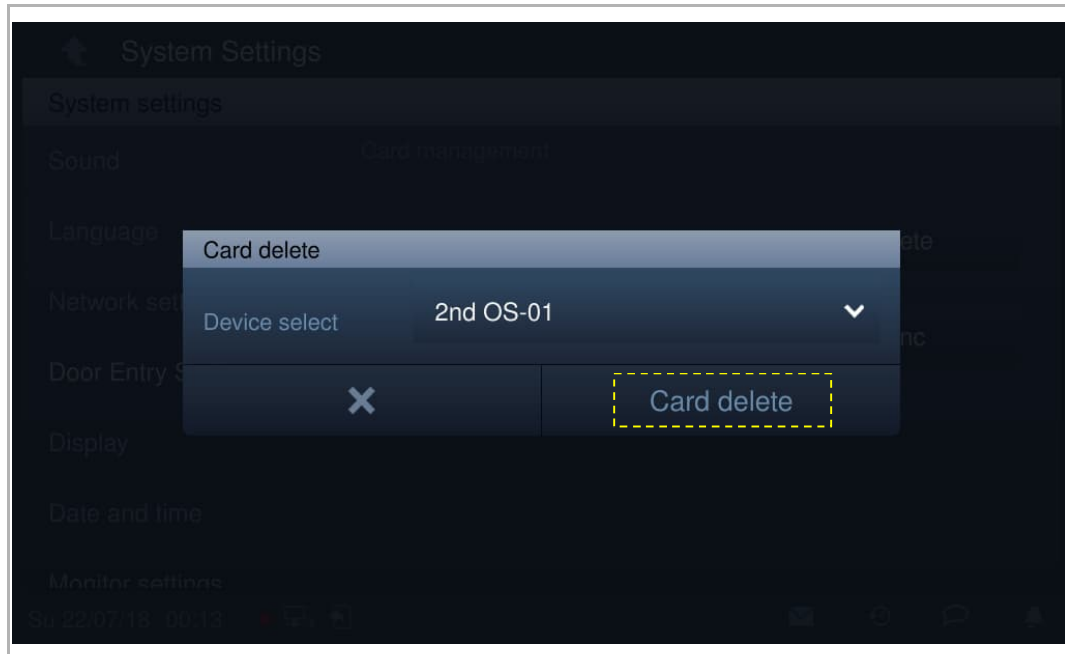
Card delete

1. Entering delete mode

On the "Card management" screen, click "Card delete", select the device and then click "Card delete".

The pushbutton module on the outdoor station will flash orange as a prompt to swipe an IC card.

2. Exiting delete mode

Press the first button on the outdoor station to exit delete mode.

If an IC card has been deleted, the outdoor station will exit delete mode automatically if no operations are carried out within 15 s.

If no IC card has been deleted, the outdoor station will exit delete mode automatically if no operations are carried out within 300 s.
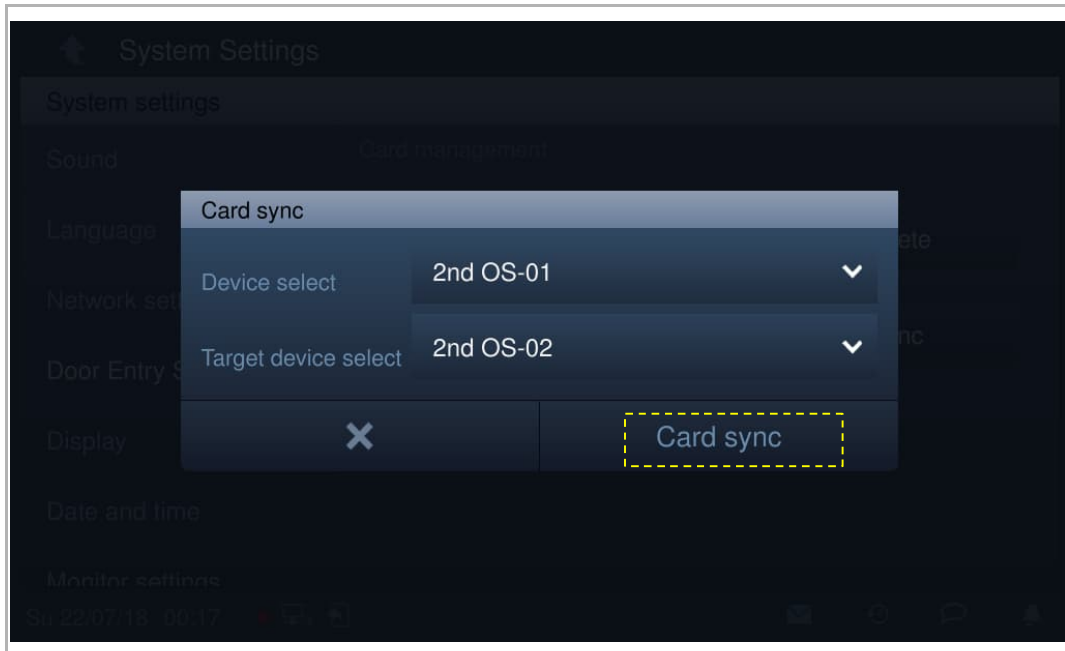
Card clear

On the "Card management" screen, click "Card clear", select the device and click "Card clear".

Card sync

On the "Card management" screen, click "Card sync", select a source device and a target device, then click "Card sync".

8.4.11 Display setting

On the "System settings" screen, click "Display" to access the corresponding screen.

No.	Function
1	**Clean screen** Please see the "Clean screen" chapter for more details.
2	**Brightness**
3	**Screensaver** ▪ "Digital clock": displays the current time at a random position on the screen. ▪ "Built-in picture": displays 3 built-in pictures. ▪ "External picture": displays pictures stored on the SD card.
4	**Auto full screen (default)**

8.4.12 Date and time setting

On the "System settings" screen, click "Date and time" to access the corresponding screen.

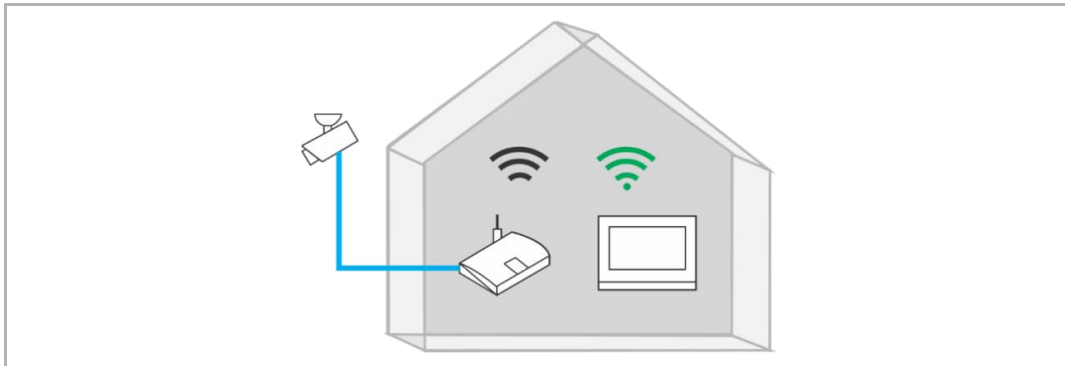| No.	Function
1	**Sync time type** Tick the checkbox to sync date and time from the management software or from NTP automatically.
2	**Time and date setting**
3	**Set time zone** If you don't sync date and time from management software or from NTP. You need to set time zone before use.

8.4.13 Home monitor settings

You can use this IP touch to monitor the private IP cameras. This IP touch and the camera must be on the same network.

○
Note
Video streaming between the indoor station and the 3rd party camera is unencrypted.

Please follow the steps below:

[1] On the "System settings" screen, tap "Monitor settings".

[2] Tap "Home monitor".

[3] Tap " 🔧 ".

[4] Tap " 🔄 " to search the IP cameras automatically.

Name	Address	Status	Linked with doorbell	Enable

System Settings ⟩ Home monitor

Home monitor

Name	Address	Status

Delete All 🗑

[5] The designated camera is displayed on the screen.

[6] Tap " ⓘ ".

[7] Enter the alias name.

[8] Enter the user account and password.
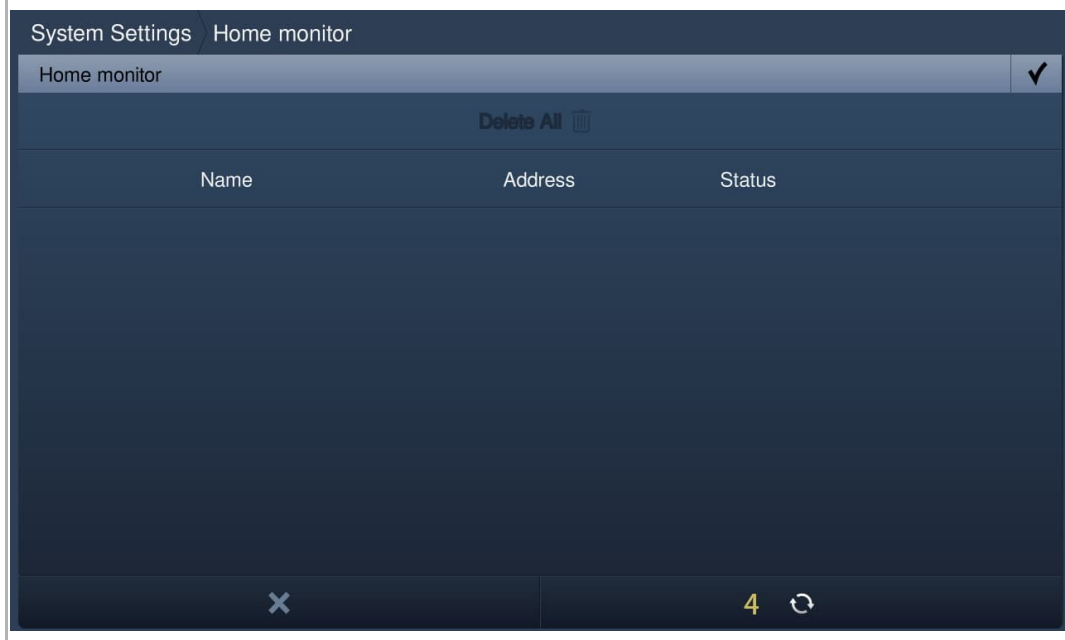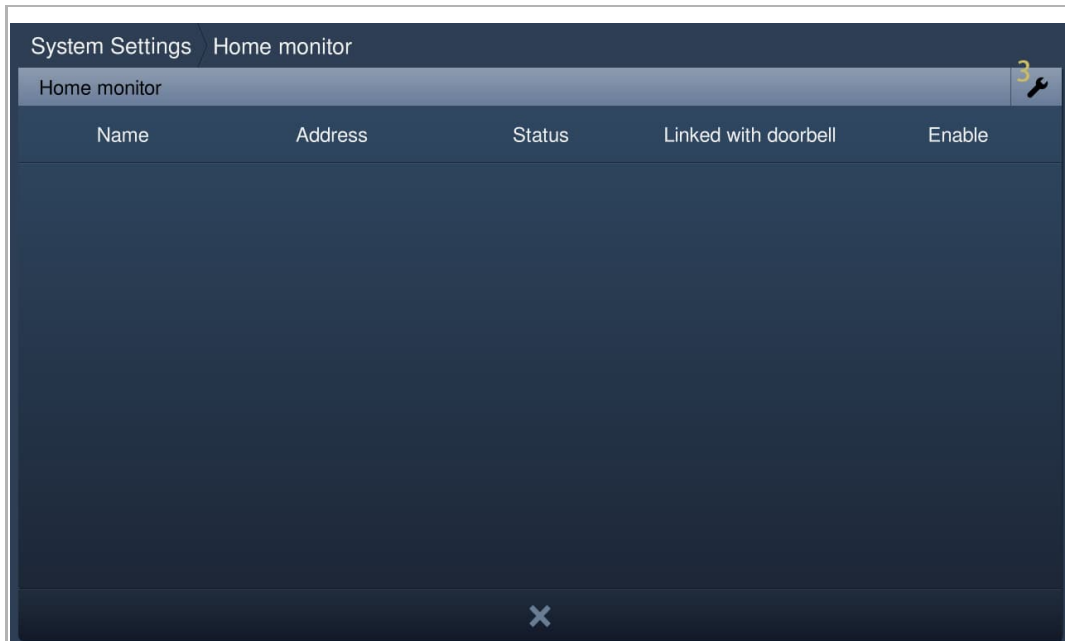
[9] Tap "OK".

System Settings › Home monitor

| Home monitor | | | ✓ |

Delete All 🗑

	Name	Address	Status	
5	abb	192.168.36.100	**6** ⓘ	🗑

✖   ↻

System Settings › Home monitor

| Home monitor | | | ✓ |

Delete All 🗑

Name	Address	Status	
abb		ⓘ	🗑

Please enter account and password

Name	abb **7**
User account	admin **8**
Password	************

✖   **9** OK

✖   ↻

[10] " " will be displayed if successful.

[11] Tap " ".

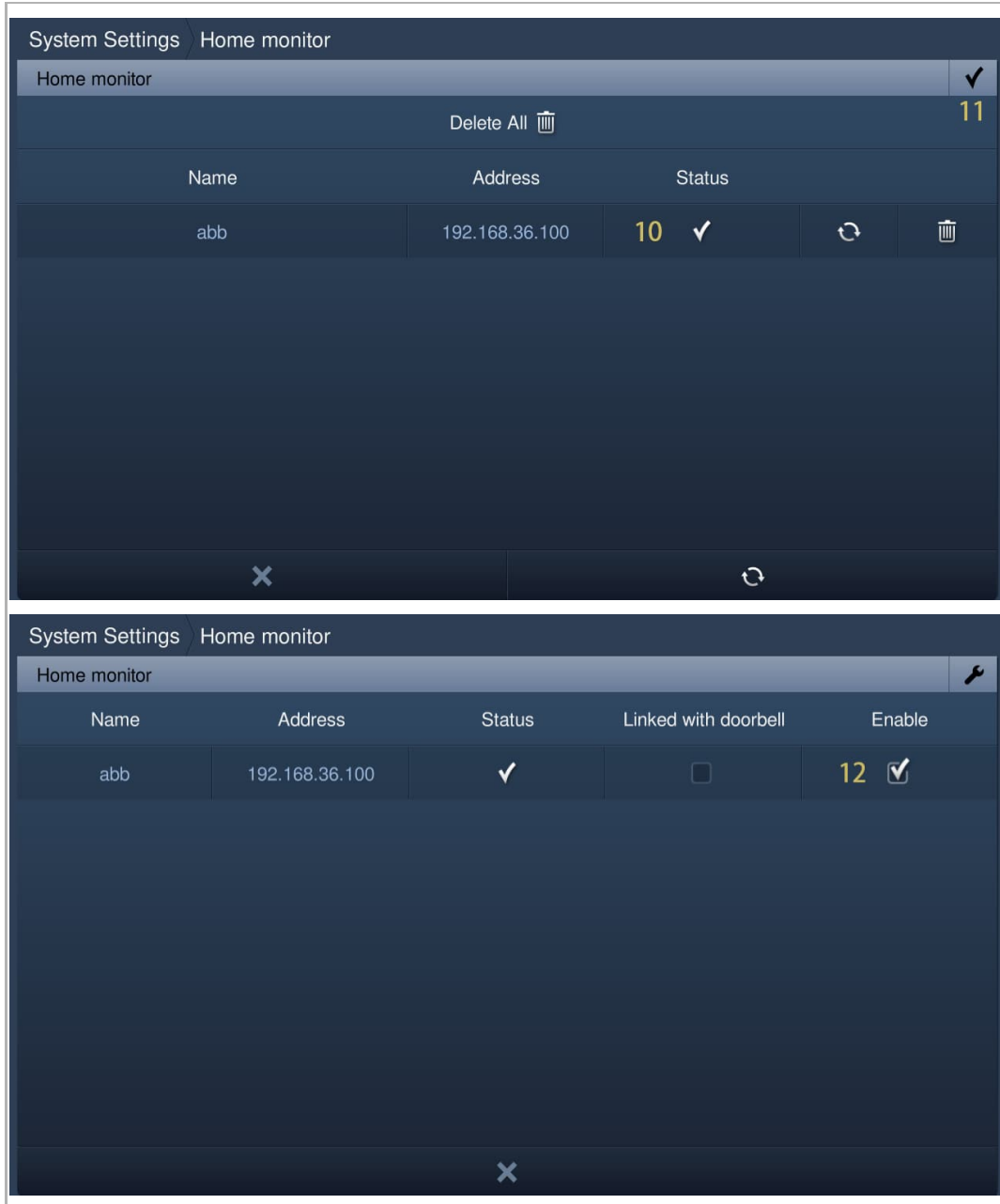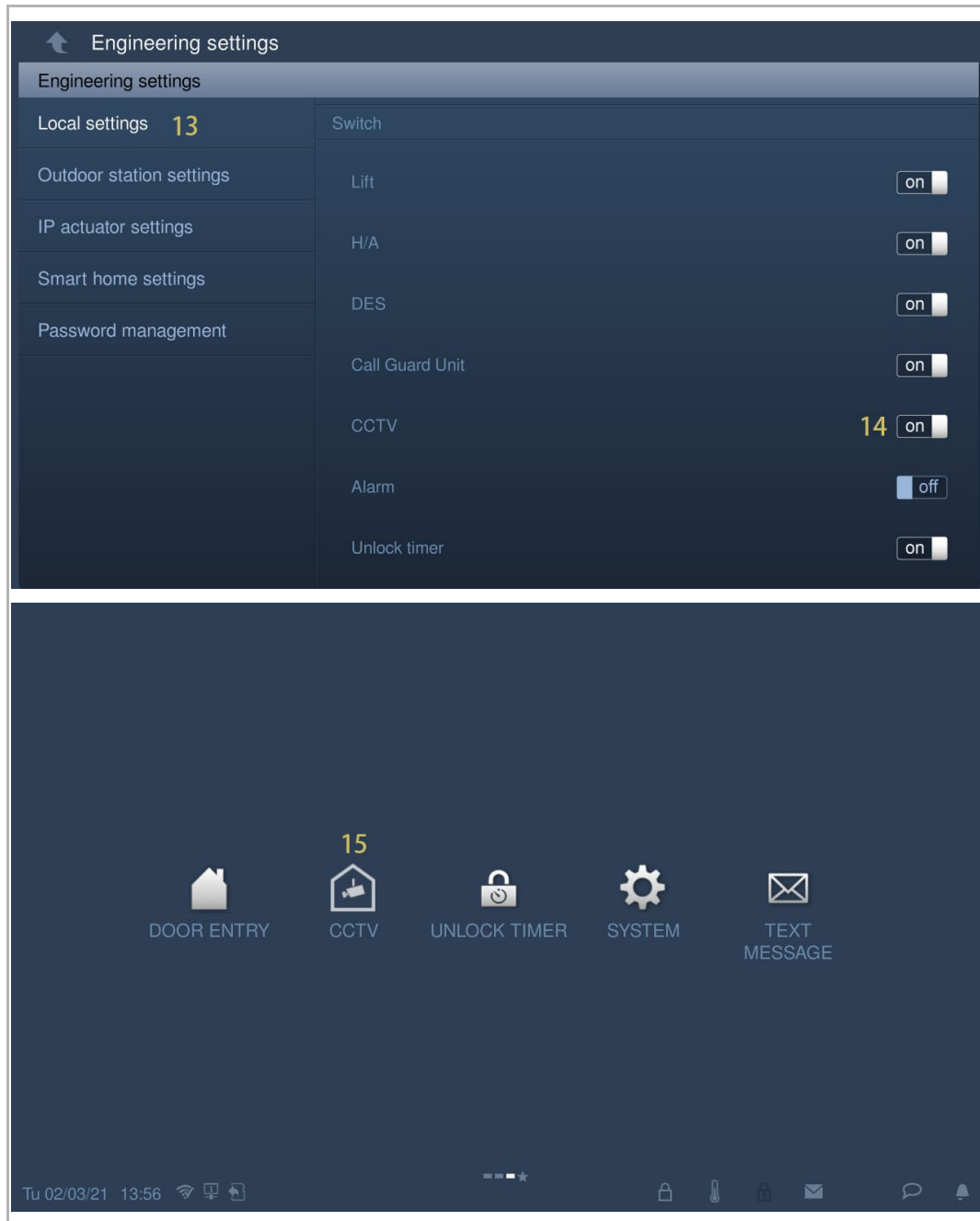[12] Tick the check box to enable the function.

[13] On the "Engineering settings" screen, tap "Local settings".

[14] Switch on the "CCTV" function.

[15] On the extra screen, tap "CCTV".

[16] The image of the designated camera is displayed on the screen. Select the other camera from the drop-down list.

[17] Tap to switch to the previous camera or the next one.

8.4.14   Community monitor settings

On the "System settings" screen, click "Monitor settings", "Community monitor" to access the corresponding screen.

Click to download the camera list from the management software.

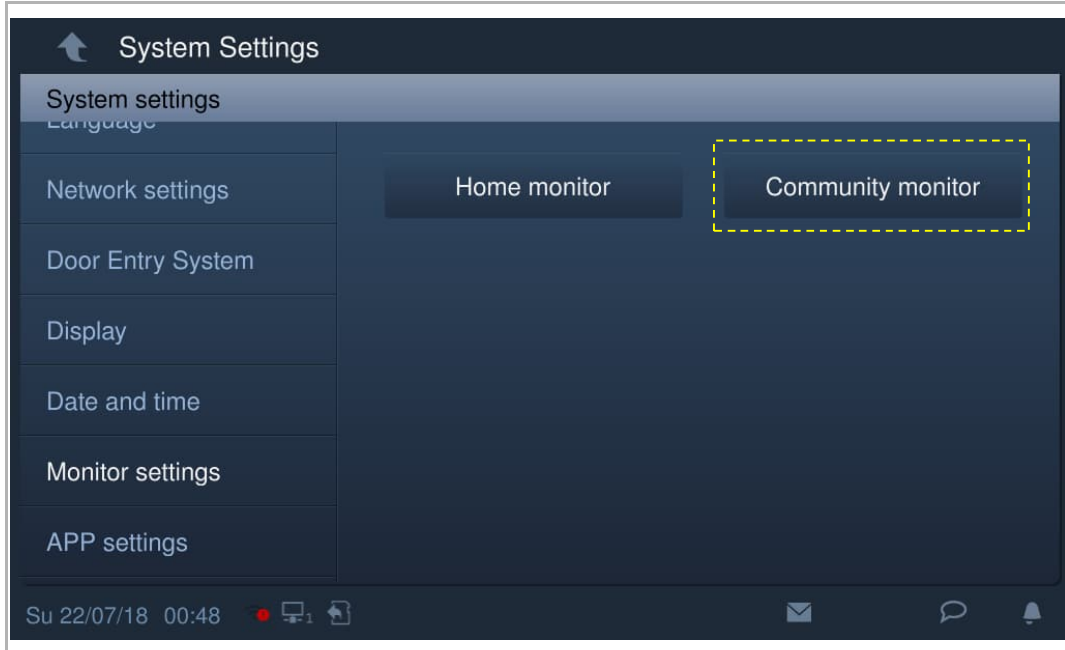### 8.4.15 App settings

1. Registering an account on the MyBuildings portal

Access the link: https://eu.mybuildings.abb.com/en/user/login/ and click "Register". Fill in the form as required to register an account. Then activate the user account when you receive the email sent from the MyBuildings portal.

2. Logging into the MyBuildings portal on the indoor station

On the "System settings" screen of the indoor station, click "APP settings" and enter the user password (the system default if 123456) to access the settings screen. Then enter an account name, alias name and password, and click "Log in".

3. Downloading and installing the APP

Download the APP from Google Play or the APP Store via the keyword "ABB Welcome". Then install the relevant APP on mobile or tablet.

Note
The following snapshots used in this document were taken on the IOS system.

On the mobile/tablet, click to open the APP.

Note
It is recommended to accept the permissions of the microphone, camera and notification for further use.

If you do not grant the permissions, you will be able to add them later on.

For example, click "⊚" to access the settings screen on the mobile, swipe the screen down and then click ⬛ to accept the permissions.

4.   Logging into the app

On the mobile phone/tablet, click [icon] to open the app, enter the user name, password and alias, tick the checkboxes to accept all the terms and conditions, then click "Log in".

Note
If an incorrect password is entered more than 3 times, no further attempts are permitted within certain period of time.

5. Pairing the devices

On the APP "Home" screen, tap "∨", followed by "Pair devices", "IP gateway".

Then tap to call up the device list, and select the alias, click "OK" to send a pairing request to the indoor station. Please write down the token ID (e.g. 1849C4BC in this case).

On the "System settings", "APP settings" screen of the indoor station, click "Unpaired", select the relevant functions in the pop-up window, and click "Pair".

Enter the token ID and click "OK". The indoor station will display "Paired" if successful.

6. Portal Sync

If you have purchased a remote service, you can click "Portal sync" on the "APP settings" screen to enable the remote service immediately.

8.4.16   Changing password

User password

The system default user password is 123456. It can be used to set the following functions:

▪ Card management

▪ Reset user setting

▪ App setting

▪ Basic zone setting

▪ Set alarm timer

▪ Arm or disarm the indoor station

Change user password

Please follow the steps below:

[1] On the "System settings" screen, tap "Change password".

[2] Tap "Change user password".

[3] Input original password.

[4] Input new password twice.

[5] Click "OK" to save the setting.

Password rule

This password must not include continuously increasing or decreasing numbers (e.g. 123456, 654321). Three consecutive identical numbers are similarly not permitted (e.g. 123444, 666888).

Unlock password

This password is used to release the lock of the outdoor station by entering the password.

Changing unlock password

Please follow the steps below:

[1] On the "System settings" screen, tap "Change password".

[2] Tap "Change unlock password".

[3] Input new password twice (3…8 digits).

[4] Click "OK" to save the setting.

Password rule

This password must not include continuously increasing or decreasing numbers (e.g. 123456, 654321). Three consecutive identical numbers are similarly not permitted (e.g. 123444, 666888).

Duress password

When the resident is under duress, he can enter this password to disarm the indoor station. At the same time, an alarm message is sent to the guard unit and the management software.

The system default user password is 654321.
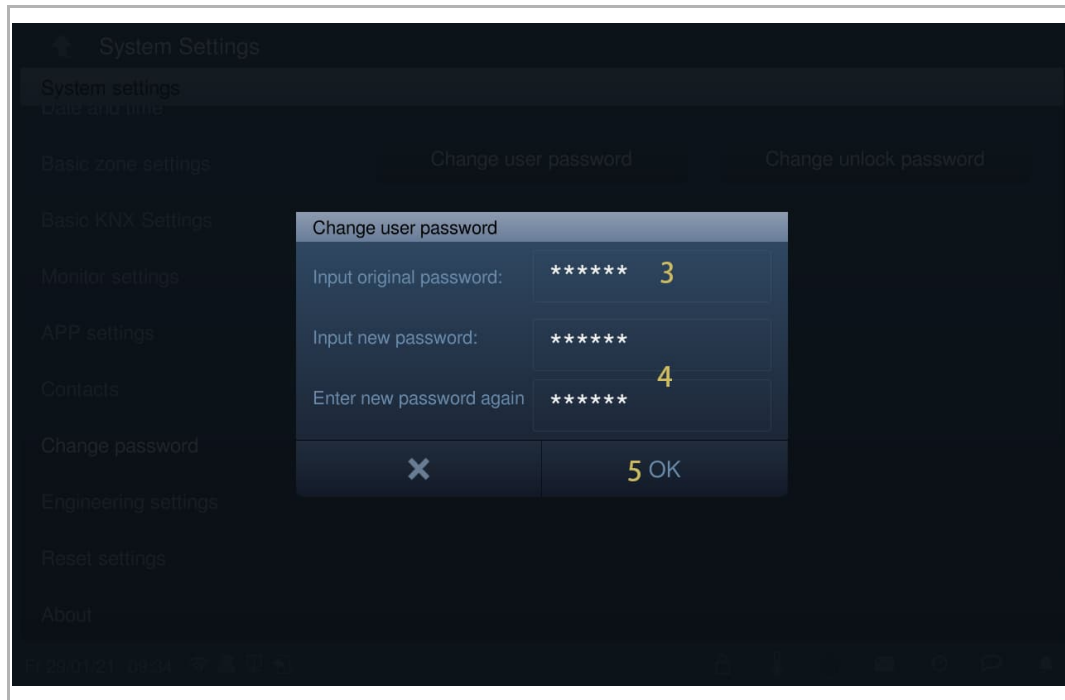
Changing duress password

Please follow the steps below:

[1] On the "System settings" screen, tap "Change password".

[2] Tap "Change duress password".

[3] Input original password.

[4] Input new password twice.

[5] Click "OK" to save the setting.

Password rule

This password must not include continuously increasing or decreasing numbers (e.g. 123456, 654321). Three consecutive identical numbers are similarly not permitted (e.g. 123444, 666888).
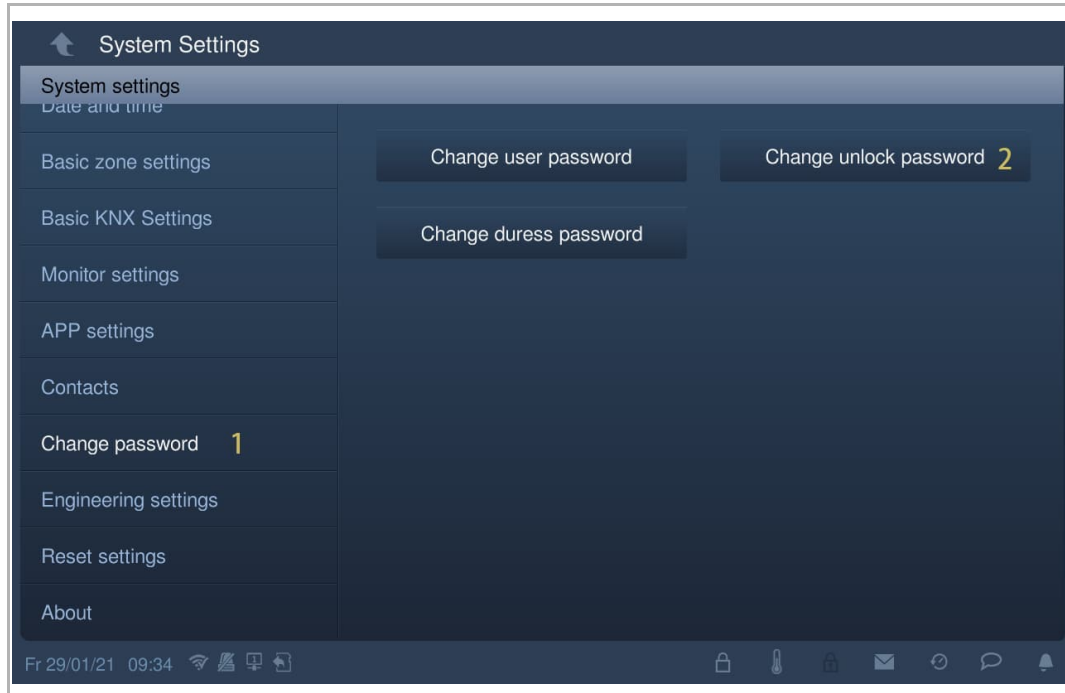
8.4.17   Resetting user settings

Please follow the steps below：

[1] On the "System settings" screen, tap "Reset settings".

[2] Tap "Reset user settings"

[3] Enter the user password (the system default is 123456).

[4] Tap "OK".

8.4.18 Reset engineering password

Note
This function is only available for 120 s when this indoor station is powered on.
This function resets the engineering password to the default value (345678).

Please follow the steps below：

[1] On the "System settings" screen, tap "Reset settings".

[2] Tap "Reset engineering pwd."

[3] Tap "OK".

8.4.19   Viewing the version

On the "System settings" screen, click "About" to view the version information.

8.4.20 Viewing the device address

On the "System settings" screen, click "About" to view the address information.

8.4.21 Obtaining the product manual

Please follow the steps below:

[1] On the "System settings" screen, tap "About".

[2] Using the mobile to scan the QR code to access the website.

[3] On the website, click "Downloads".

[4] Click "Manual".

[5] Click "PDF" to download the file.

8.4.22 Updating the firmware

Please follow the steps below:

[1] On the "System settings" screen, tap "About".

[2] Use the mobile to scan the QR code to access the website.

[3] On the website, click "Downloads".

[4] Click "Software".

[5] Click "ZIP" to download the file.

[6] Unzip the zip file (1 .img file and 1 .sig file), copy these 2 files to an SD card.

[7] Insert the SD card to the IP touch. An icon will be displayed on the status bar if the SD card is inserted successfully.

[8] On the "System settings" screen, tap "About".

[9] Tap "Firmware update".

[10] Select the update file and then click "OK" to update the firmware.

8.5   Engineering settings

8.5.1   Enter engineering settings

Engineering password

The system default engineering password is 345678. The user must change the engineering password when accessing the engineering settings for the first time.

Please follow the steps below:

[1] On the "System settings" screen, tap "Engineering settings".

[2] Input original password.

[3] Input new password twice.

[4] Click "OK" to save the setting.

Password rule

This password must not include continuously increasing or decreasing numbers (e.g. 123456, 654321). Three consecutive identical numbers are similarly not permitted (e.g. 123444, 666888).

Enter engineering settings

Please follow the steps below:

[1] On the "System settings" screen, tap "Engineering settings".

[2] Input the engineering password.

[3] Click "OK" to access the "Engineering settings" screen.

Wrong password
If the wrong password is entered 10 times within 5 minutes, it is not possible to enter the password again for 5 minutes.

Forgotten engineering password
Please contact the technical support engineers if you forget the engineering password.

8.5.2 Accessing the "Local settings" screen

On the "Engineering settings" screen, tap "Local settings" to access the corresponding screen.

8.5.3   Call mode setting

1. Call mode = physical address (default)

In this mode, when the user wants to initiate an intercom call, he needs to enter the physical address (e.g. "001-0102").

2. Call mode = logical address

In this mode, when the user wants to initiate an intercom call, he needs to enter the logical address (e.g. "A1").

Please follow the steps below:

[1] On the "Local settings" screen, select call mode from the drop-down list.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

For more information, .

8.5.4 Device mode setting

1. Master mode

Only one indoor station can be set to master mode in the same apartment.

Both IP touch (LAN+LAN) and IP touch (LAN+WiFi) can be set to master mode.

Please follow the steps below:

[1] On the "Local settings" screen, select "Master mode" from the drop-down list.

[2] Enter the block number.

[3] Enter the room number.

[4] Tap " " to exit the setting, tap "OK" to save the settings.

2. Subsidiary mode

In the same apartment, except for the master indoor station, other indoor stations must be set to the subsidiary indoor station.

All types of indoor stations can be set to the subsidiary indoor station.

Please follow the steps below:

[1] On the "Local settings" screen, select "Subsidiary mode" from the drop-down list.

[2] Enter the device number.

[3] Tap "🏠" to exit the setting, tap "OK" to save the settings.

3. Independent mode

If IP touch is set to independent mode, no other devices can be supported.

The independent indoor station can be managed using management software.

Please follow the steps below:

[1] On the "Local settings" screen, select "Independent mode" from the drop-down list.

[2] Enter the block number.

[3] Enter the room number.

[4] Tap " " to exit the setting, tap "OK" to save the settings.

8.5.5 Home network port setting

Home network port means the port connect to the router via LAN or WiFi.

Please follow the steps below:

[1] On the "Local settings" screen, select home network port from the drop-down list.

[2] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.5.6 Default home page setting

Default home page can be selected among "H/A" (default), "DES" and "CCTV".

Follow the steps below to change the setting:

[1] On the "Local settings" screen, select default home page from the drop-down list.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.5.7 Function management

Please follow the steps:

[1] On the "Local settings" screen, tap the designated slider to switch on/off the function.

[2] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.5.8 Screensaver picture setting

Please follow the steps:

[1] On the "Local settings" screen, tap " ".

[2] Select the designated picture from the SD card.

[3] Tap " " to exit the setting, tap "OK" to save the settings.

Note
The picture supports .jpg, .png and .bmp format, with a maximum resolution of 2048 x 1920. The recommend resolution is 1024 x 600.

8.5.9   Default guard unit setting

Please follow the steps:

[1] On the "Local settings" screen, tap "Address of default guard unit".

[2] Enter the address (1…32).

[3] Tap " " to exit the setting, tap "OK" to save the settings.

8.5.10 Exporting the configuration file

Note
An SD card must be inserted to the IP touch before use.

Please follow the steps:

[1] On the "Local settings" screen, tap "Import/export configuration".

[2] Select the designated functions.

[3] Tap "Export configuration file" to output a configuration file to the SD card.

8.5.11 Importing the configuration file

Note
An SD card must be inserted to the IP touch before use.

Please follow the steps:

[1] On the "Local settings" screen, tap "Import/export configuration".

[2] Tap "Import configuration file" to import a configuration file from the SD card.

8.5.12 Compatible mode setting

The IP touch works in security mode to guarantee high security (Compatible mode is disabled by default).

It is suggested that compatible mode is only used when the devices need to communicate with previous generation products. In this mode, data transmission between devices is not encrypted, may lead to data leaks and has the risk of being attacked.

Please follow the steps below:

[1] On the "Local settings" screen, tap the slider "Compatible mode" to switch on/off the function.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.5.13 Remote control setting

If the "Remote setting" is enabled (default), the IP touch can be set locally or set by the management software remotely.

If the "Remote setting" is disabled, this IP touch can only be set locally.

Please follow the steps:

[1] On the "Local settings" screen, tick/untick the checkbox "Remote setting" to enable/disable the function.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

Note

This setting is only available on the indoor station which is set as "Master mode" or "Independent mode".

8.5.14 Clearing all data

On the "Local settings" screen, tap "Clear all data" to reset all user settings and all engineering settings to the factory defaults.

Note

This function is only available within 120 s after the indoor station is powered on.

8.5.15 Password management

On the "Engineering password" screen, tap "Password management" to access the corresponding screen.

- Tap "Engineering password" to change the password in the pop-up window.
- Tap "Reset user pwd." to reset the user password to the default value (123456).
- Tap "Reset unlock pwd." to reset the unlock password to the default value (null).
- Tap "Reset user pwd." to reset the duress password to the default value (654321).

Note

The engineering password must be changed when accessing the engineering settings for the first time. (The system default is 345678. This password is only to be used for initial setting work, and it should then be changed to another password. It cannot used as the actual password.)

8.5.16 Certification list

Precondition

This function applies to single-house application.

Master indoor station will create a certification and assign the certificates to other devices on the same home networks (e.g. 2nd outdoor station, private IP actuator and subsidiary indoor station). Only IP pushbutton outdoor station and mini OS can be supported in this case.

Master IP touch obtains the certificate

Please follow the steps below:

[1] On the "Engineering settings" screen of master IP touch, tap "Local settings".

[2] Tap the slider "Certification" to enable the function.

[3] Tap " " to exit the setting, tap "OK" to save the settings.

[4] On the "Engineering settings" screen, tap "Certification list".

[5] Tap "Certification list".

[6] The devices got the certification are displayed on the screen.

Other devices obtain the certificates

There are 2 options to add other devices.

1. Adding devices via search

Please follow the steps below:

[1] On the "Certification list" screen, tap " 🔧 ".

[2] Tap "Search".

[3] The devices obtain the certificates, whichare displayed on the screen.

Name	Device no.	Serial number			
Indoor station	01	102807A7F030593			
2nd OS	01	101807A7F02D43D	3	✓	🗑

Engineering settings

Engineering settings ✓

Add manually ✚   Search 🔍   Delete All 🗑

Th 04/02/21 11:02

2. Adding devices manually

Please follow the steps below:

[1] On the "Certification list" screen, tap " 🔧 ".

[2] Tap "Add manually".

[3] Select the device type from the drop-down list. It can be set to "2nd OS", "Private IP actuator" or "Indoor station".

[4] Enter the device number.

[5] The function should be disabled if the device is connected to the router in the same apartment.

[6] Enter the serial number.

[7] Tap "OK".

[8] The device obtains the certificate, which is displayed on the screen.

Trusting the device

The IP touch cannot release the lock on the outdoor station, or the IP actuator only obtains the certificate. The outdoor station or the IP actuator needs to set the trusted list at the same time.

The following operations are based on the outdoor station and the similar operations for the IP actuator.

[1] On the "Certificate list" screen, tap " ".

[2] Tap " ".

[3] Select the check box to add the device to the trusted list on the outdoor station.

[4] Tap "OK" to save.

Removing the certificate of the device

Please follow the steps below:

[1] On the "Certificate list" screen, tap " 🔧 ".

[2] Tap " 🗑 " to remove the certificate of one device.

[3] Tap "Delete All 🗑 " to remove all the certificates on all devices except the master indoor station.

8.6   KNX settings

8.6.1   Precondition

Please ensure the follow settings are carried out before use.

▪ On the "Engineering settings", "Local settings" screen, the "H/A" function is enabled.

▪ On the "Engineering settings", "Smart home settings" screen, the smart home mode is set to "KNX settings".

8.6.2 Basic KNX settings

Access the "Basic KNX settings" screen

On the "System settings" screen, tap "Basic KNX settings" to access the corresponding screen.

Ringtone setting

On the "Basic KNX settings" screen, you can set the ringtone for "Alarm", "Hint" and "Fault". A maximum of 5 built-in ringtones are supported and you can also select the ringtone from the SD card.

You can drag the slider to set the volume value.

Separator format setting

On the "Basic KNX settings" screen, you can set the separator format.

Temperature unit setting

On the "Basic KNX settings" screen, you can set the temperature unit.

First day of week setting

On the "Basic KNX settings" screen, you can set the first day of week. This setting will affect the KNX timer setting.

Pincode setting

1. Setting the pincode

KNX pages, KNX timers and KNX alarms can be set a pincode to access. There are 3 levels of pincodes for selection. And the priority for these pincodes is "level 3" > "level 2" > "level 1".

On the "Basic KNX settings" screen, you can set the pincodes.

The system default pincode of "level 1" is "111111".

The system default pincode of "level 2" is "222222".

The system default pincode of "level 3" is "333333".

2. Entering the pincode

In standby status, tap " 🔒 " on the status bar and enter the pincode. After that, if this pincode has the same priority as the KNX pages or the higher priority than the KNX pages, you don't need to enter the pincode again.

3. Logging out the pincode

In standby status, tap " " on the status bar and tap "OK" to log out the pincode.

Temperature display setting

On the "Basic KNX settings" screen, select the check box to display the temperature.

When you tap " [ ] " on the status bar, the temperature value will be displayed in a pop-up window.

8.6.3   Advanced KNX settings

Access the "Advanced KNX settings" screen

Please follow the steps below:

[1] On the "Engineering settings" screen, tap "Smart home setting".

[2] Select "KNX settings" from the drop-down list to access the corresponding screen.

Importing the configuration file

Please follow the steps below:

[1] Copy the configuration file (.pid) to an SD card.

[2] Insert the SD card to IP touch.

[3] On the "Engineering settings", "Smart home settings" screen, tap "Read SD card".

[4] Select the configuration file from the SD card.

[5] Tap "OK".

[6] On the home screen, KNX pages will be displayed on the screen.

IP touch 7 supports a maximum of 8 KNX pages and a maximum of 64 KNX icons.

IP touch 10 supports a maximum of 8 KNX pages and a maximum of 100 KNX icons.

KNX interface setting

Please follow the steps below:

[1] Tick/untick the check box to enable/disable the function.

- This function must be enabled if an IPS with encryption function is used.

- This function must be disabled if an IPS without encryption function is used. Then step 2 and step 3 can be skipped.

[2] If the KNXnet/IP secure function is enabled, you need to enter the tunneling password.

[3] Enter the authentication code (optional).

[4] To use the KNX IP interface, the network settings must be changed. To do this, enter the IP address of the KNX IP interface in the IP touch.

- KNX IP interfaces should always have a fixed IP address. This can either be a static address or a fixed DHCP address.

- The IP touch used must be in the same IP address range as the KNX IP interface.

Note
When using a router or level 3 switch, no separate port release is required. If VLAN is used on a router or level 3 switch, please ensure that IP touch and IPS/S are in a common VLAN.

[5] Tap "OK".

Commissioning of the KNX function via DCA (from ETS5)

Please see the ETS5 product manual.

https://search.abb.com/library/Download.aspx?DocumentID=2CKA001473B5022&LanguageCode=en&DocumentPartId=&Action=Launch

Commissioning

8.6.4 KNX timer

You can use the "KNX timer" function to control the KNX devices automatically during the designated period.

Access the "KNX timer" screen

On the extra screen, tap "KNX timer" to access the corresponding screen.

Product manual 2TMD041800D0002 | 135

Adding a KNX timer

Please follow the steps below:

[1] On the "KNX timer" screen, tap " ".

[2] Tap " ".

[3] On the "Smart home" screen, on the designated KNX icon, tap " ".

[4] Select the days of the week, with the selected options shown with highlighting.

[5] Set the start time.

[6] Set the end time.

■ Select the check box "End time" and enter the time.

- Select the check box "Astrofunciton", set "Not before" time and "Not after" according to the actual situation.

[7] Tap "Create".

[8] Select the icon from the drop-down list.

[9] Select the timer type from the drop-down list. It can be set to "Always", "Only at vacation" or "Not at vacation".

[10] Switch on/off the timer. The system default is "on".

[11] Tap to add a new KNX timer. A maximum of 10 times is supported for each KNX device.

[12] Tap "OK".

[13] The total count of the timer is display on the screen.

[14]Tap " ✔ " to exit the setting.

Removing a KNX timer

Please follow the steps below:

[1] On the "KNX timer" screen, tap " ".

[2] Tap " ".

Favourites

Please follow the steps below:

[1] On the "KNX timer" screen, tap " ✏ ".

[2] On the designated timer, tap " 🤍 " and " ♥ " will be displayed if successful.

[3] On the "Smart home" screen, tap " ".

[4] Tap " ".

[5] The favourite timer is displayed on the list.

8.7   free@home settings

8.7.1   Precondition

Please ensure the follow settings are carried out before use.

▪ On the "Engineering settings", "Local settings" screen, the "H/A" function is enabled.

▪ On the "Engineering settings", "Smart home settings" screen, the smart home mode is set to "free@home".

8.7.2   free@home settings

Please follow the steps below:

[1] On the "Engineering settings" screen, tap "Smart home setting".

[2] Tap "System Access Point".

[3] Tap the designated system access point.

[4] Enter the user name and the password.

[5] Tap "OK".

[6] "Success" is displayed on the screen if successful.

[7] On the home screen, free@home pages will be displayed on the screen.

IP touch 7 supports a maximum of 4 free@home pages and a maximum of 64 free@home icons.

IP touch 10 supports a maximum of 4 free@home pages and a maximum of 100 free@home icons.

8.7.3 Commissioning the device via free@home

For commissioning the device via free@home, please use the information in the free@home system manual.

The free@home system manual can be accessed via the following link: https://new.abb.com/products/2CKA006200A0155.

8.8 Alarm settings

8.8.1 Alarm zone connection

1. Connect normally closed detectors

Connect one detector

Connect multiple detectors

Z(n): Designated alarm zone connector on the indoor station

2. Connect normally open detectors

Connect one detector

Connect multiple detectors

Z(n): Designated alarm zone connector on the indoor station

Connect multiple detectors

"Connect multiple detectors" above can be applied when multiple detectors are used as the same type of alarm zones.

Unused alarm zone

If an alarm zone is not used, there are 2 options to carry out:

[1] Option 1

On the "Engineering settings" >> "Advanced zone settings" >> "Alarm zone attribute" screen, set the "Sensor" to "None" (default).

[2] Option 2

Follow the diagram below to connect a 10K resister.

8.8.2   Alarm zone capacity

1.   IP touch (LAN+LAN)

8 alarm zones

In this case, its interface module can support 8 alarm zones.

23 alarm zones

In this case, an alarm zone extended module should be connected to the interface module.

Its interface module (7) + an alarm zone extended module (16) can support 23 alarm zones.

Alarm zone extended module

32 alarm zones

In this case, 2 alarm zone extended modules should be connected to the interface module.

Its interface module (0) + 2 alarm zone extended modules (16*2) can support 32 alarm zones.

Alarm zone extended module

2. IP touch (LAN+WiFi)

16 alarm zones

In this case, an alarm zone extended module should be connected.

This alarm zone extended module (16) can support 16 alarm zones.

Alarm zone extended module

32 alarm zones

In this case, 2 alarm zone extended modules should be connected.

These alarm zone extended modules (16*2) can support 32 alarm zones.

Alarm zone extended module

8.8.3   Precondition

On the "Engineering settings", "Local settings" screen, the "Alarm" function is enabled.

8.8.4 Basic zone settings

Access the "Basic zone settings" screen

Please follow the steps below:

[1] On the "System settings" screen, tap "Basic zone settings".

[2] Enter the user password (the system default is "123456").

[3] Tap "OK".

Basic zone settings

On the "Basic zone settings" screen, please follow the steps below:

[1] "Exit delay" means when a resident enters the user password to arm the IP touch, a certain amount of time is available for the resident to leave the house without the alarm being triggered.

[2] "Entry delay" means when the resident enters the house, there is a certain amount of time available to enter the password to disarm the indoor station to avoid the alarm being triggered.

[3] Set the alarm duration. The system default is 5 minutes.

[4] If the "Tamper proof switch" function is enabled, the IP touch will issue an alarm if it is removed from the wall or its front part is dismantled from the back part. An alarm message will be sent to the guard unit and the management software. This function will be activated automatically when this indoor station begins being armed.

8.8.5   Advanced zone settings

Access the "Advanced zone settings" screen

On the "Engineering settings" screen, tap "Advanced zone settings" to access the corresponding screen.

No.	Description
1	Tap "Change Program pwd." to change the program password. This password is used to arm and disarm the indoor station (the system default is 345678).
2	Tap "Start testing mode" to test that the zones are working properly.
3	**Alarm type** It can be set to "Floor plan" or "Simple mode". When "Floor plan" is selected, the alarm icons will be displayed on a floor plan for more intuitive viewing.
4	**Alarm capacity** Select the alarm zone number from the drop-down list.
5	When "Floor plan" is selected, click "+" to add a floor plan from the SD card if an SD card is inserted.

Alarm zone position setting

This setting is only available when "Floor plan" is selected.

Please follow the steps below:

[1] On the "Advanced zone settings" screen, select "Floor plan" from the drop-down list.

[2] Tap "Alarm zone position".

[3] Tap anywhere to create an alarm zone.

[4] Tap " ![icon] " to exit the current setting.

Alarm zone attribute setting

Note
The following descriptions are based on the "Floor plan" type. It can also be used as a reference for the "Simple mode" type

Please follow the steps below:

[1] On the "Advanced zone settings" screen, tap "Alarm zone attribute".

[2] Tap an alarm zone icon to access the corresponding screen.

[3] Display the zone number to be set.

[4] Select the sensor from the drop-down list. It can be set to "Emergency alarm", "Door magnetic", Infrared", "Gas", "Smoke", "Other" or "None".

[5] Select the location from the drop-down list.

[6] Select the trigger type from the drop-down list. It can be set to "Instant", "Delay", "24 hour" or "Transfer delay" (see details on the next page).

[7] Tap to select the alarm mode. It can be selected from "Arm for stay", "Arm for away" and "Arm for rest".

[8] Select the linked zone from the drop-down list. With this setting, the alarm zone is combined with the other alarm zone. Fox example, zone 1 is linked to zone 2. Both zones must be set to the same trigger type. Either of them can be triggered first, and the other zone will then also be triggered within 20 s, an alarm will be sounded and an alarm message will be sent to the guard unit and the management software.

[9] Select the linked camera from the drop-down list. When the zone is triggered, the camera will record a 15 s video and save it to the SD card if an SD card has been inserted.

Engineering settings	Alarm settings	
Alarm zone attribute		
Zone no.	Sensor	Location
Zone no.1 3	Door magnetic 4	Bedroom 5
Trigger type	Alarm mode	Linked with zones
Transfer delay 6	Arm all 7	Zone no.2 8
Home camera list		
None 9		
✕	10 OK	
Mo 08/02/21 08:41		

Alarm zone trigger type

1. Instant zone

With this setting, when the zone is triggered during arming, an alarm sound is played and an alarm message is sent to the guard unit and the management software immediately. The alarm will be turned off when this indoor station is disarmed.

2. Delay zone

With this setting, when the zone is triggered during arming, the resident has some time to enter user password to disarm this indoor station, meaning no alarm will be sounded and no alarm message will be sent.

3. 24-hour zone

With this setting, when the zone is triggered (whether arming or disarming), an alarm sound will be played and an alarm message will be sent to the guard unit and the management software immediately. The only way to end the alarm is to disable the zone.

4. Transfer delay zone

With this setting, the alarm zone is combined with a delay zone.

For example, zone 1 = delay zone, zone 2 = transfer delay zone

If zone 2 is triggered first, an alarm will be sounded and an alarm message will be sent to the guard unit and the management software.

If zone 1 is triggered, a countdown will start. Then when zone 2 is triggered within this countdown, an alarm will be sounded and an alarm message will be sent to the guard unit and the management software if no disarm operation during the countdown. No alarm will be sent if you do disarm operation during the countdown.

Removing the alarm zones

Note
The following descriptions are based on the "Floor plan" type.

Please follow the steps below:

[1] On the "Advanced zone settings" screen, tap "Alarm zone position".

[2] Tap an existing alarm zone icon.

[3] Tap "OK" to remove this alarm zone.

8.8.6 Linking with home automation

The alarm zone can be linked with a home automation scene.

Please follow the steps below:

[1] On the extra screen, tap "Alarm" to access the corresponding screen.

[2] Tap " ".

[3] Enter the user password.

[4] Tap "OK".

[5] Tap "Select alarm mode".

[6] Tick to select an alarm mode.

[7] Tap "OK".

[8] Tap a scene (KNX scene or free@home scene).

After this setting, when you apply the scene, the linked alarm operation will be carried out at the same time. Or when you carry out the alarm operation, the linked scene will also be applied at the same time.

8.9   Outdoor station settings

8.9.1   Precondition

Please ensure the follow settings are carried out before use.

[1] "Compatible mode" is disabled

On the IP touch "Engineering settings", "Local settings" screen, "Compatible mode" is disabled.

[2] Outdoor station enters engineering mode

Note
The following settings apply to the pushbutton outdoor station only.
The outdoor station must enter engineering mode before use.

▪ Power on the outdoor station, wait until all 3 LED indicators go out.

▪ Press and hold the first button on the outdoor station for 10 s until all 3 LED indicators flash.

8.9.2 Accessing the "Outdoor station settings" screen

On the "Engineering settings" screen on the IP touch, tap "Outdoor station settings" to access the corresponding screen.

8.9.3 Device type setting

1. Device type = GS (gate station)

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select "GS" from the drop-down list.

[2] Enter the device number (1…32).

[3] Tap " " to exit the setting, tap "OK" to save the settings.

2. Device type = OS (outdoor station)

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select "OS" from the drop-down list.

[2] Enter the block number (1…999).

[3] Enter the device number (1…64).

[4] Tap "　" to exit the setting, tap "OK" to save the settings.

Product manual 2TMD041800D0002 | 169

3. Device type = 2nd OS (2nd confirmed outdoor station)

Location of IP gateway = Internal

In this case, the 2nd OS is connected to the router in the apartment (see diagram below).

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select "2nd OS" from the drop-down list.

[2] Select "Internal" from the drop-down list.

[3] Enter the device number (1…32).

[4] Tap "⬆" to exit the setting, tap "OK" to save the settings.

Location of IP gateway = External

In this case, the 2nd OS is connected to the switch outside the apartment (see diagram below).

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select "2nd OS" from the drop-down list.

[2] Select "External" from the drop-down list.

[3] Enter the block number (1…999).

[4] Enter the room number (01…63 + 01…32 e.g. 0101).

[5] Enter the device number (1…2).

[6] Tap " ↰ " to exit the setting, tap "OK" to save the settings.

Note
The external and internal types cannot be used in mixed scenarios in the same apartment.

8.9.4 Unlock type when swiping setting

This setting applies to pushbutton outdoor stations with card reader only.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select unlock type from the drop-down list. It can be set to "Default lock" or "Subsidiary lock".

[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.5 Default lock setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the lock type from the drop-down list. It can be set to "Lock-GND", "NO-NC-COM" or "IP Actuator".

[2] If lock type = "IP actuator", you need to set the lock type from the drop-down list. It can be set to "Power lock" or "Relay lock" (optional).

[3] If lock type = "IP actuator", you need to set the device number of the IP actuator (optional).

[4] Enter the unlock time for the power lock (default 5 seconds).

[5] Enter the unlock time for the signal lock (default 5 seconds).

[6] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.9.6 Subsidiary lock setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select lock type from the drop-down list. It can be set to "Lock-GND", "NO-NC-COM" or "IP Actuator".

[2] If lock type = "IP actuator", you need to set the lock type from the drop-down list. It can be set to "Power lock" or "Relay lock" (optional).

[3] If lock type = "IP actuator", you need to set the device number of the IP actuator (optional).

[4] Enter the unlock time for the power lock (default 5 seconds).

[5] Enter the unlock time for the signal lock (default 5 seconds).

[6] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.9.7 Door status detection setting

If this function is enabled, the IP touch will send an alarm to the management software when the door is open longer than 120 s (A sensor should first be connected to the outdoor station).

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the check box "Door status detection" to enable the function.

[2] If the function "Sound of local alarm" is enabled, the IP touch also sounds an alarm locally.

[3] Tap "⬆" to exit the setting, tap "OK" to save the settings.

8.9.8 Tamper proof alarm setting

If this function is enabled, the IP touch will send an alarm to the management software if the outdoor station is removed from the wall.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the check box "Tamper proof alarm" to enable the function.
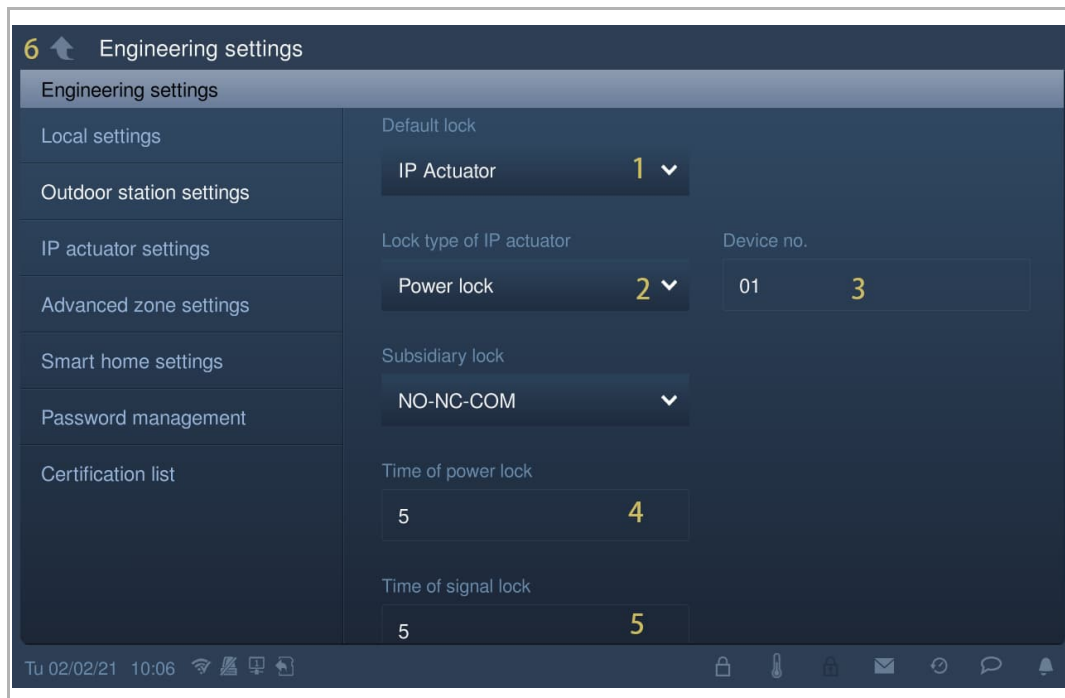
[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.9 Ringtone volume setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tap "+" or "-" to adjust the ringtone volume.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.10 Button tone setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tick the check box "Button tone" to enable the function.

[2] Tap "+" or "-" to adjust the voice volume.

[3] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.9.11 Voice prompts setting

If this function is enabled, the outdoor station will play the sound for "Call in progress" during the operation.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tick the check box "Voice prompts" to enable the function.

[2] Tap "+" or "-" to adjust the voice volume.

[3] The language of the voice prompt will be the same as the language setting.

[4] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.12 Language setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select a language from the drop-down list.

[2] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

8.9.13 Lift control setting

This setting is available when the device type of outdoor station is set to "OS".

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tick the check box "Lift control settings" to enable the function.

[2] Enter the floor number of the local outdoor station (-7…+63).

[3] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.14 Anti-flicker setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the refresh rate from the drop-down list. It can be set to "60 Hz" or "50 Hz".

[2] Tap "   " to exit the setting, tap "OK" to save the settings.

8.9.15 Call forward setting

This setting is available when the device type of outdoor station is set to "OS" or "GS". If this function is enabled, each incoming call from this outdoor station will be transferred to the designated guard unit.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the check box "Call forward" to enable the function.

[2] Enter the address of the designated guard unit (1…32).

[3] Tap "⬆" to exit the setting, tap "OK" to save the settings.

3 ⬆ Engineering settings	
Engineering settings	
Local settings	60 Hz ⌄
Outdoor station settings	Call forward
IP actuator settings	☑ Call forward 1
Advanced zone settings	Address of guard unit
Smart home settings	01 2
Password management	Other
Certification list	Columns of button
	1 ⌄ Push-button address setting
	Sync time automatically
Mo 01/02/21 14:31	

8.9.16 Wiegand setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the check box "Wiegand output" to enable the function.

[2] Select the Wiegand output format from the drop-down list. It can be set to "26 bits" or "34 bits".

[3] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.17 Push-button setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the columns of button from the drop-down list. This setting is only available when detecting the bar push-button module on the outdoor station. It can be set to "1" or "2" (optional).

[2] Tap "Push-button address setting".

[3] Select the function from the drop-down list. It can be set to "Call", "Turn on the light" or "None".

[4] Select the device type from the drop-down list. It can be set to "Indoor station" or "Phone guard unit".

[5] Enter the address according to the device type.

[6] Tap "OK".

[7] Tap " " to exit the setting, tap "OK" to save the settings.

Engineering settings	Outdoor station settings				
Push-button address setting					
No.	Fuction of pushbutton	Device type	Block no.	Room no.	Device no.
1	Call **3** ⌄	Indoor station **4** ⌄	001	0101	01
				5	

✖   **6** OK

Mo 01/02/21 14:31

8.9.18   Time sync setting

Please follow the steps below:

[1] On the "Outdoor station settings" screen, select the sync time method from the drop-down list. It can be set to "Sync with mgmtc." or "Close time sync". If "Sync with mgmtc." is selected, the outdoor station will sync the time from the management software.

[2] If "Close time sync" is selected, the time and date need to be set manually (optional).

[3] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.19 Compatible mode setting

The outdoor station works in security mode to guarantee the high security ("Compatible mode is disabled by default).

It is suggested that compatible mode is only used when the devices need to communicate with previous generation products. In this mode, data transmission between devices is not encrypted, may lead to data leaks and has the risk of being attacked.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tap the slider "Compatible mode" to switch on/off the function.

[2] Tap " " to exit the setting, tap "OK" to save the settings.

8.9.20 Updating the firmware

Note
The outdoor station must exit engineering mode before the firmware is upgraded.
If the gate station (device type = GS) needs to update the firmware, a gate station (device ID =1) must be used before updating.
If the building outdoor station (device type = OS) needs to update the firmware, a building outdoor station (device ID =1) must be used before updating.

Please follow the steps below:

[1] On the "Outdoor station settings" screen, tap "Firmware update".

[2] Select the designated outdoor station from the drop-down list.

[3] Select the upgrade file from the SD card.

[4] Tap "OK" to update the firmware.

8.9.21 Viewing the version

On the "Outdoor station settings" screen, view the version information.

8.9.22 Viewing the serial number

On the "Outdoor station settings" screen, view the serial number.

8.10 IP actuator settings

8.10.1 Precondition

Please ensure the follow settings are carried out before use.

[1] "Compatible mode" is disabled

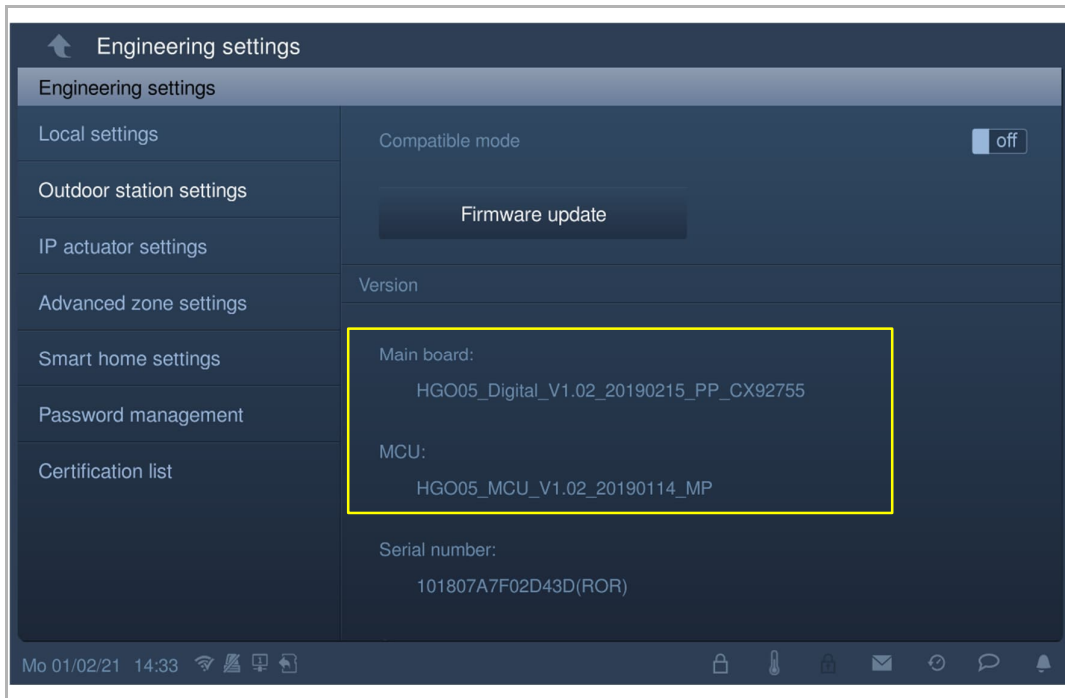On the IP touch "Engineering settings", "Local settings" screen, "Compatible mode" is disabled.

[2] IP actuator enters Engineering mode

Note
The IP actuator must enter engineering mode before use.

Press the reset button of the IP actuator once when it works normally; the LED flashing green means that the IP actuator has entered engineering mode.

8.10.2   Accessing the "IP actuator settings" screen

On the "Engineering settings" screen on the IP touch, tap "IP actuator settings" to access the corresponding screen.

Tip
The IP actuator will exit engineering mode if no operation is carried out for 5 minutes.

8.10.3 Device type setting

On the "IP actuator settings" screen.

1. Device type = Network IP Actuator

Please follow the steps below:

[1] On the "IP actuator settings" screen, select "Network IP Actuator" from the drop-down list.

[2] Enter the device number (1…32).

[3] Tap " " to exit the setting, tap "OK" to save the settings.

2. Device type = Building IP actuator

Please follow the steps below:
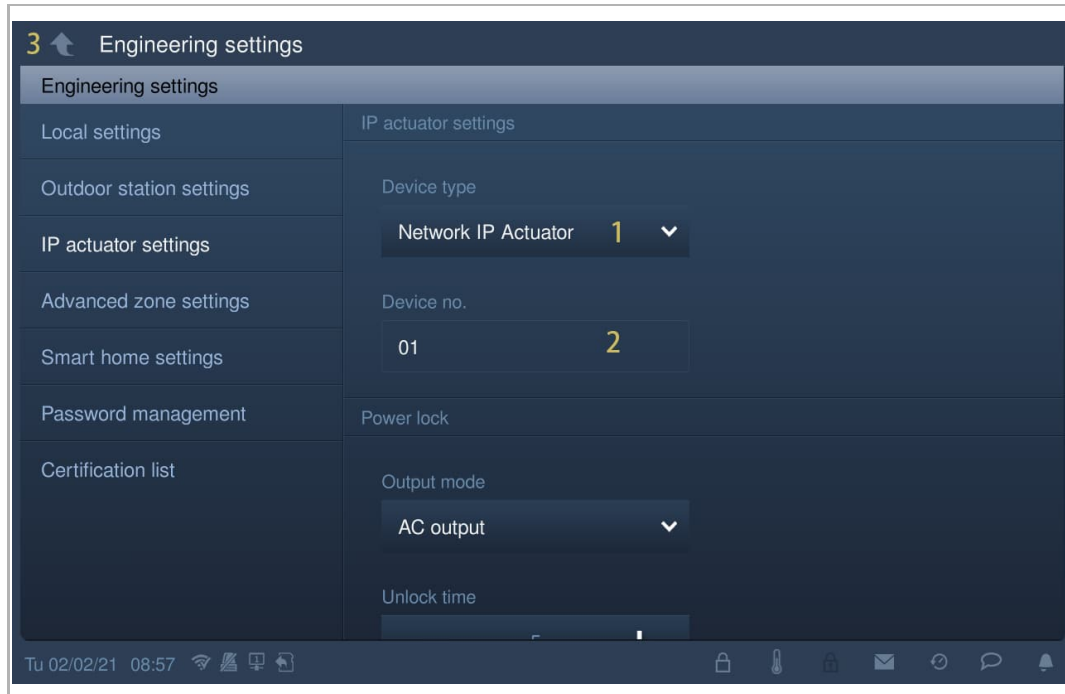
[1] On the "IP actuator settings" screen, select "Building IP Actuator" from the drop-down list.

[2] Enter the block number (1…999).

[3] Enter the device number (1…32).

[4] Tap " " to exit the setting, tap "OK" to save the settings.

4 Engineering settings	
Engineering settings	
Local settings	IP actuator settings
Outdoor station settings	Device type
IP actuator settings	Building IP Actuator 1 ⌄
Advanced zone settings	Block no.
Smart home settings	001 2
Password management	Device no.
Certification list	01 3
	Power lock
	Output mode

Tu 02/02/21 08:57

3. Device type = Private IP Actuator

Location of IP actuator = Internal

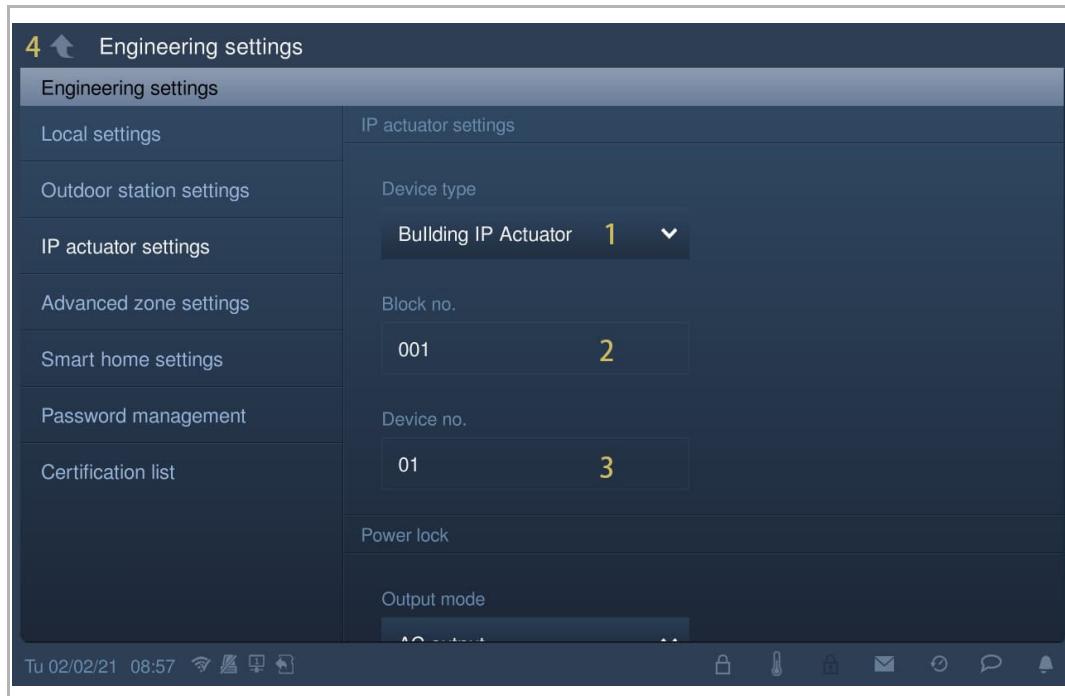In this case, the IP actuator is connected to the router in the apartment (see diagram below).

Please follow the steps below:

[1] On the "IP actuator settings" screen, select "Private IP Actuator" from the drop-down list.

[2] Select "Internal" from the drop-down list.

[3] Enter the device number (1…32).

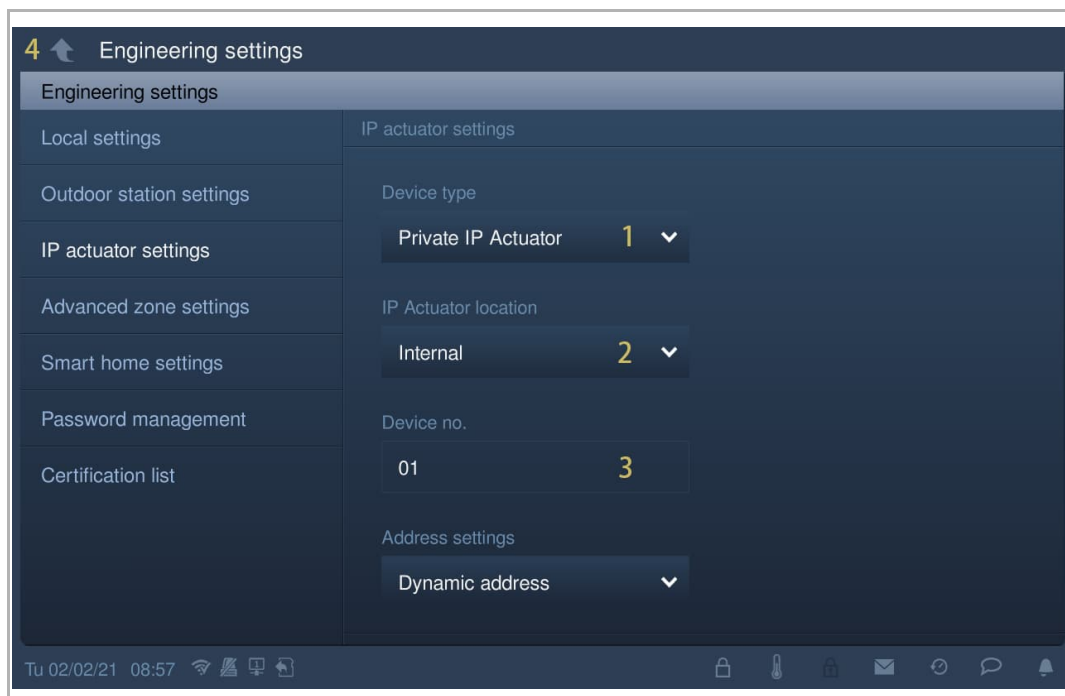[4] Tap " " to exit the setting, tap "OK" to save the settings.

Location of IP actuator = External

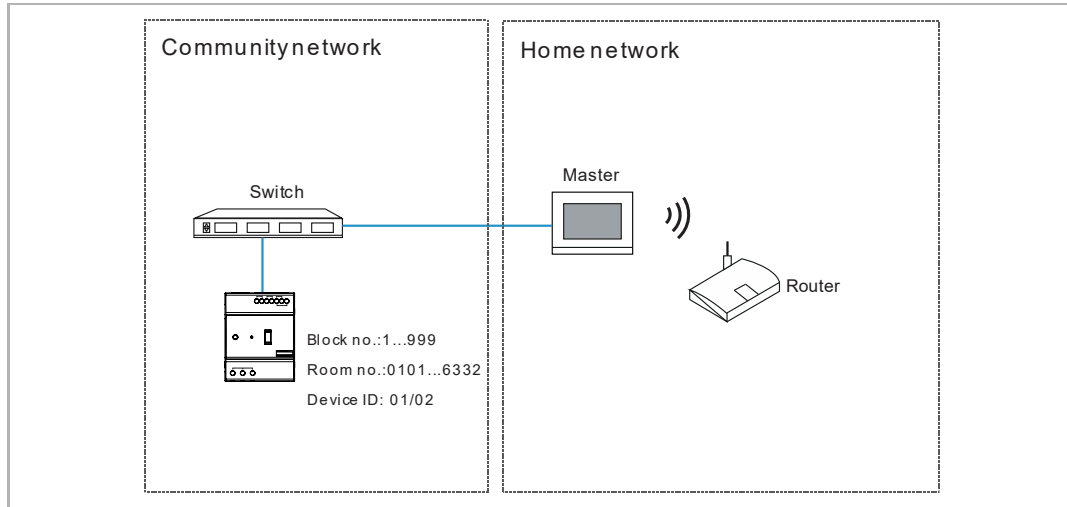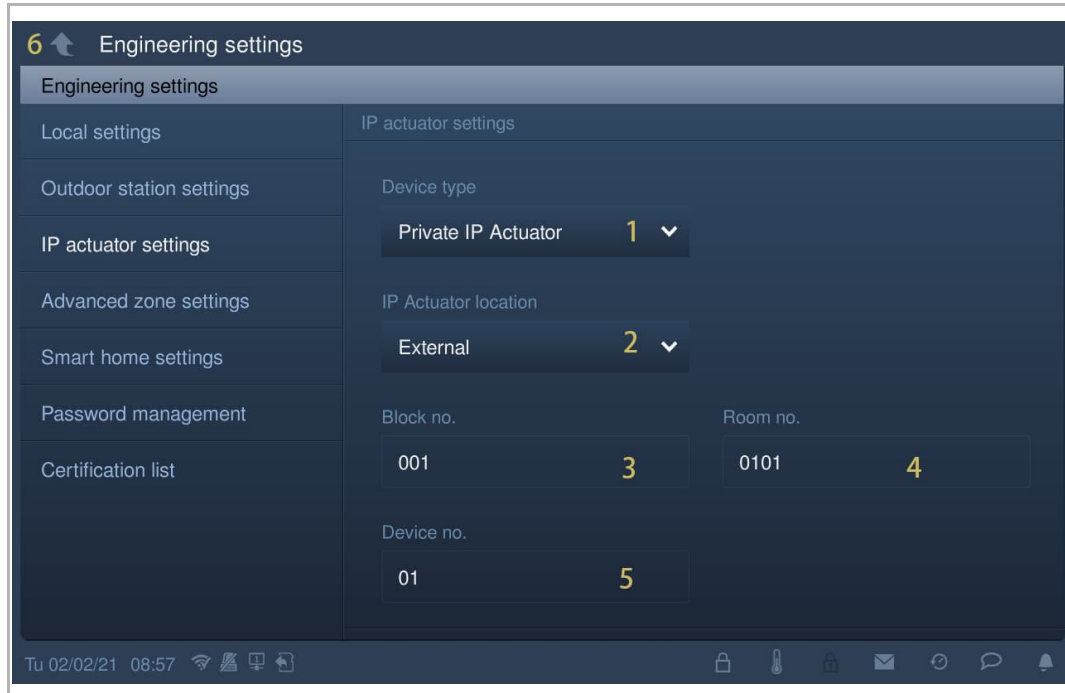In this case, the IP actuator is connected to the switch outside the apartment (see diagram below).

Please follow the steps below:

[1] On the "IP actuator settings" screen, select "Private IP Actuator" from the drop-down list.

[2] Select "External" from the drop-down list.

[3] Enter the block number (1...999).

[4] Enter the room number (01…63 + 01…32 e.g. 0101).

[5] Enter the device number (1…2).

[6] Tap " " to exit the setting, tap "OK" to save the settings.
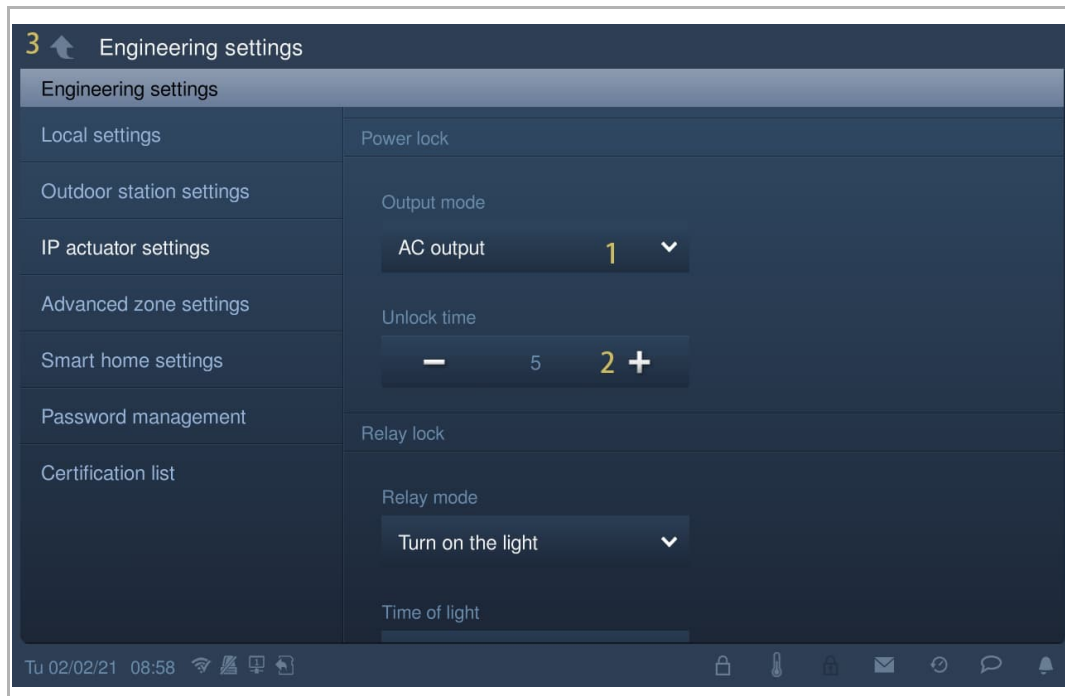

	Note
○	The external and internal types cannot be used in mixed scenarios in the same apartment.

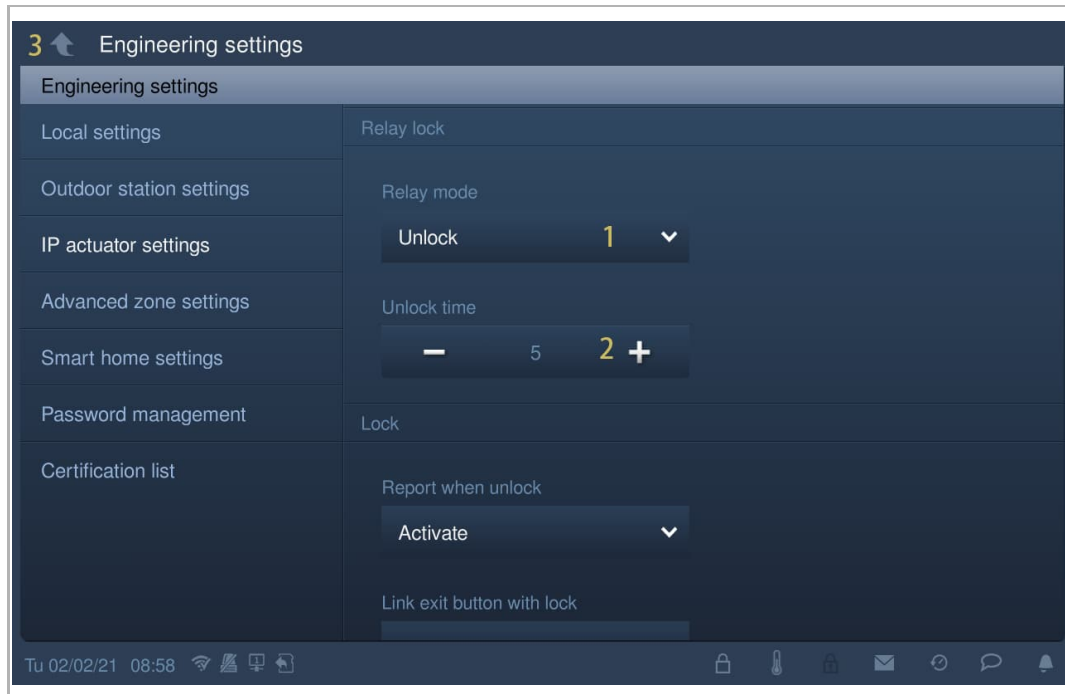### 8.10.4 Power lock setting

Please follow the steps below:

[1] On the "IP actuator settings" screen, select output mode from the drop-down list. It can be set to "AC output", "DC output (NC)" or "DC output (NO)".

[2] Enter the unlock time (default 5 seconds).

[3] Tap "   " to exit the setting, tap "OK" to save the settings.

3 ↟ Engineering settings
Engineering settings

Local settings	Power lock
Outdoor station settings	
IP actuator settings	Output mode
Advanced zone settings	AC output 1 ⌄
Smart home settings	Unlock time
Password management	— 5 2 +
Certification list	Relay lock
	Relay mode
	Turn on the light ⌄
	Time of light

Tu 02/02/21 08:58

8.10.5 Relay lock setting

Please follow the steps below:

[1] On the "IP actuator settings" screen, select relay mode from the drop-down list. It can be set to "Unlock" or "Turn on the light".

[2] If relay mode = "Unlock", you need to set the unlock time for the IP actuator. If relay mode = "Turn on the light", you need to set the light time for the IP actuator.

[3] Tap " ![icon] " to exit the setting, tap "OK" to save the settings.
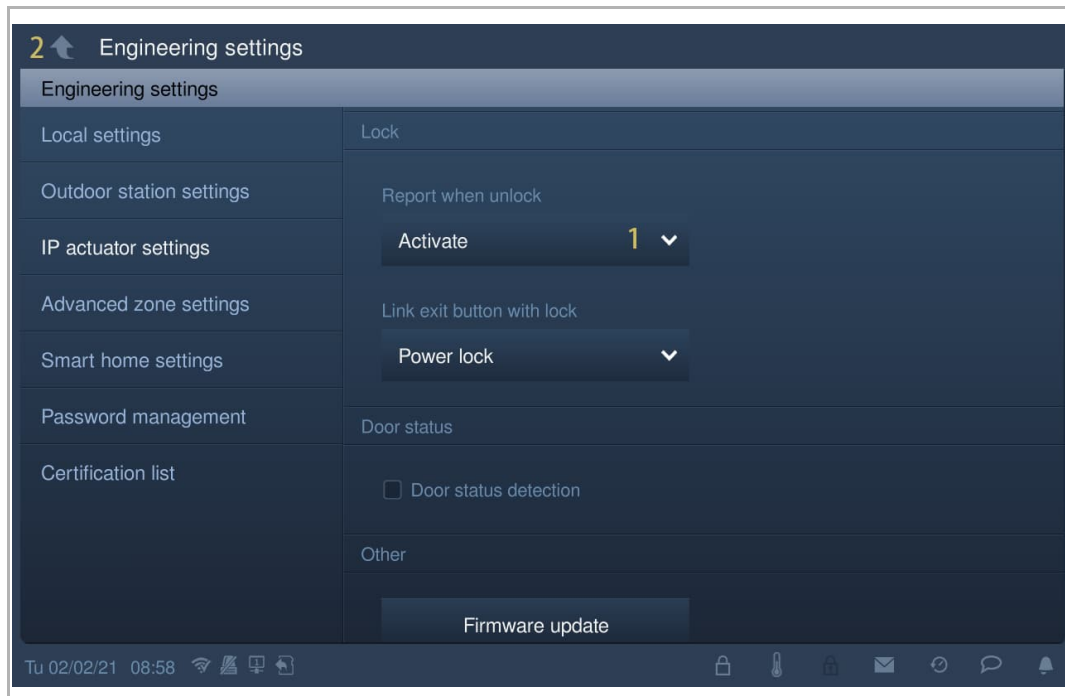
8.10.6 Report when unlock setting

If this function is enabled, each unlock record from the IP actuator will be sent to the management software.

Please follow the steps below:

[1] On the "IP actuator settings" screen, select "Activate" or "Close" from the drop-down list to enable/disable the function.

[2] Tap "   " to exit the setting, tap "OK" to save the settings.
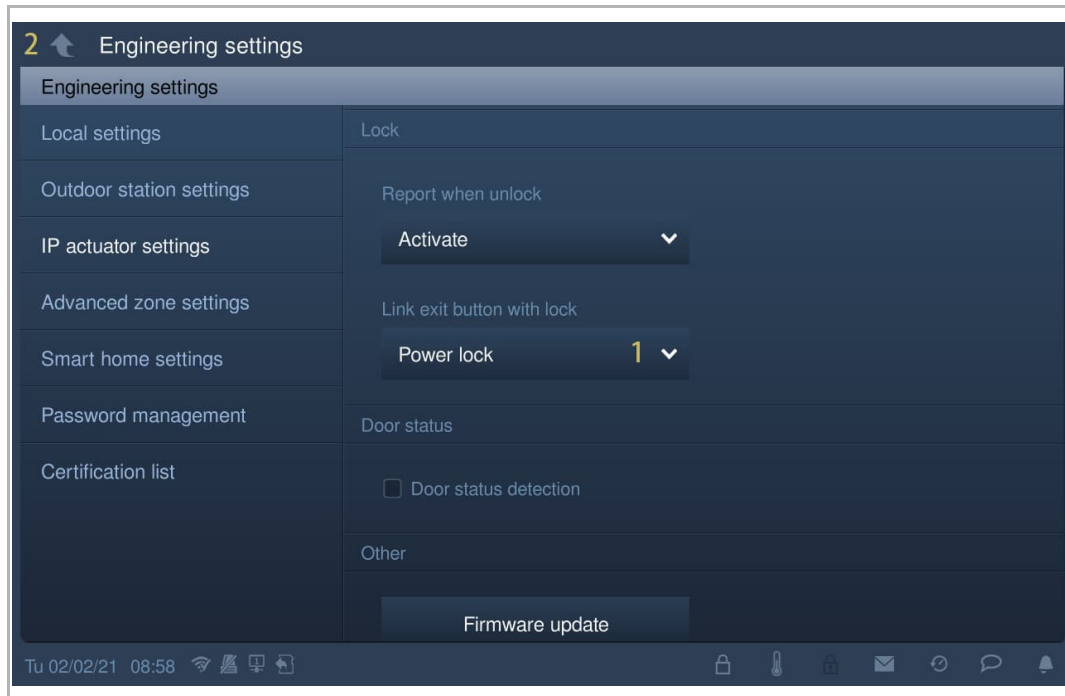
8.10.7 Exit button setting

The exit button can be linked with the designated lock of the IP actuator.

Please follow the steps below:

[1] On the "IP actuator settings" screen, select lock type from the drop-down list. It can be set to "Power lock" or "Relay lock".

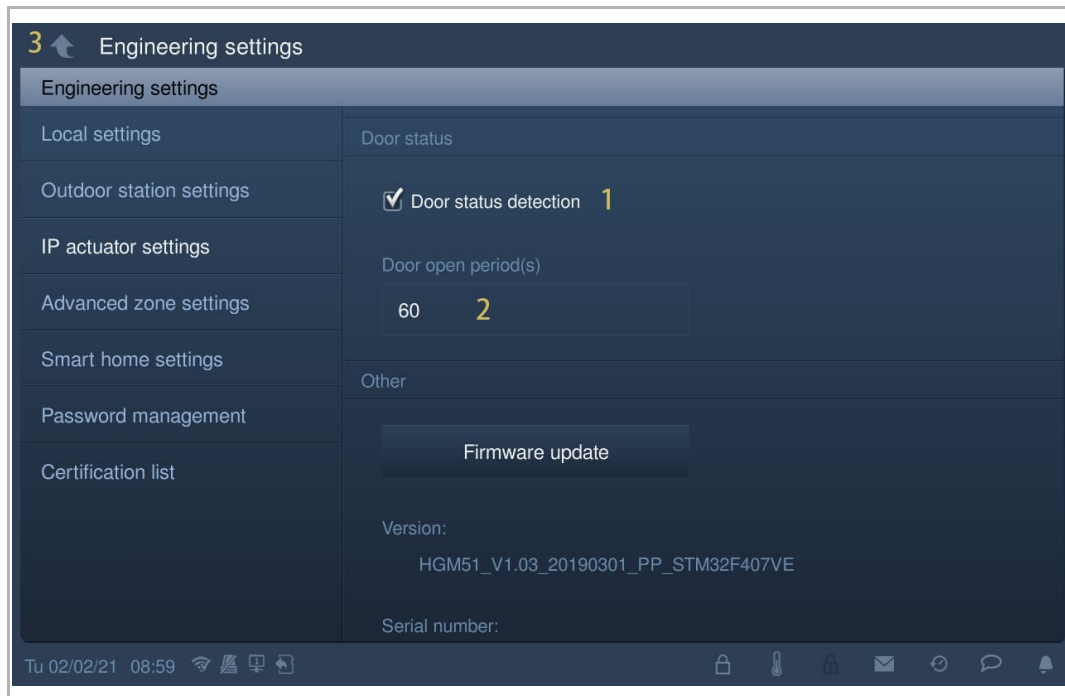[2] Tap "⬆" to exit the setting, tap "OK" to save the settings.

8.10.8 Door status detection setting

If this function is enabled, when the door is open longer than the setting value, the IP actuator will send an alarm to the management software (a sensor should first be connected to the IP actuator).

Please follow the steps below:

[1] On the "IP actuator settings" screen, tick the check box "Door status detection" to enable the function.

[2] Enter the door open period (1…600 seconds).

[3] Tap " ⬆ " to exit the setting, tap "OK" to save the settings.

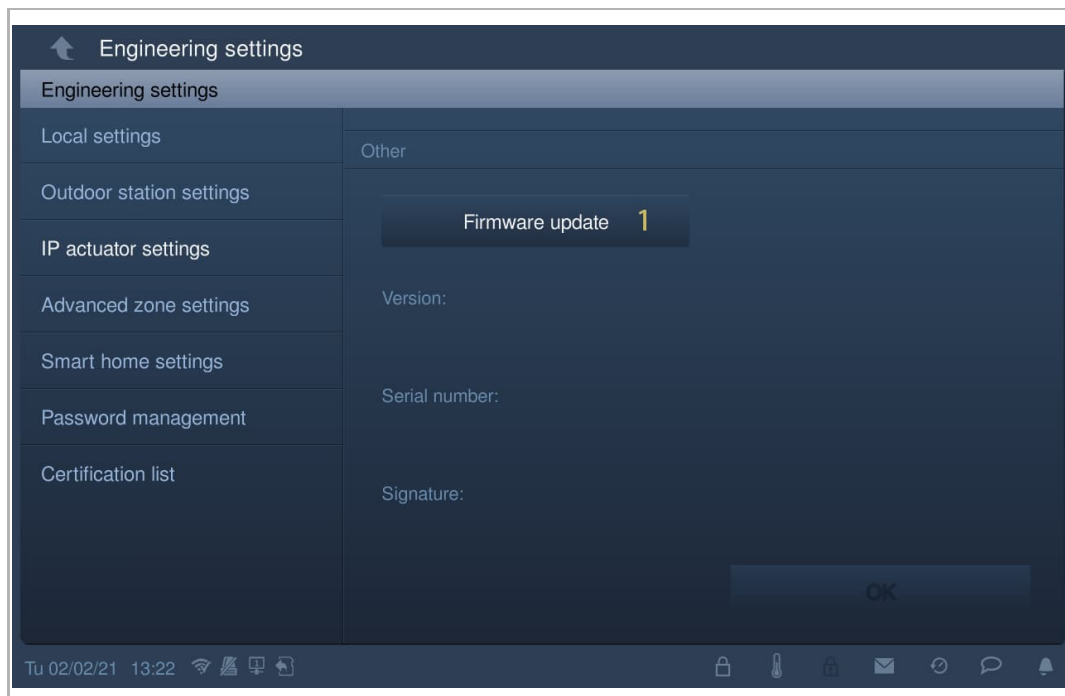|	
3 ⬆ Engineering settings	
Engineering settings	
Local settings	Door status
Outdoor station settings	☑ Door status detection **1**
IP actuator settings	
Advanced zone settings	Door open period(s)
Smart home settings	60 **2**
Password management	Other
Certification list	Firmware update
	Version:
	HGM51_V1.03_20190301_PP_STM32F407VE
	Serial number:
Tu 02/02/21 08:59	

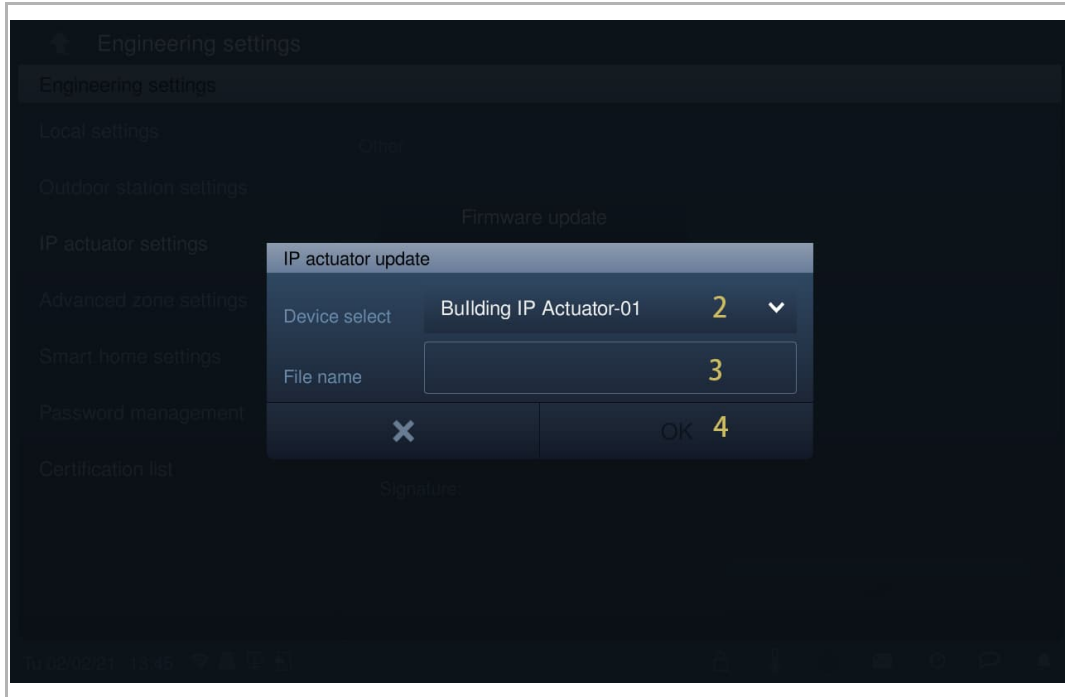### 8.10.9   Updating the firmware

Note

The IP actuator must exit engineering mode before the firmware is upgraded.

If the network IP actuator needs to update the firmware, a gate station (device ID =1) must be used before updating.

If the building IP actuator needs to update the firmware, a building outdoor station (device ID =1) must be used before updating.

Please follow the steps below:

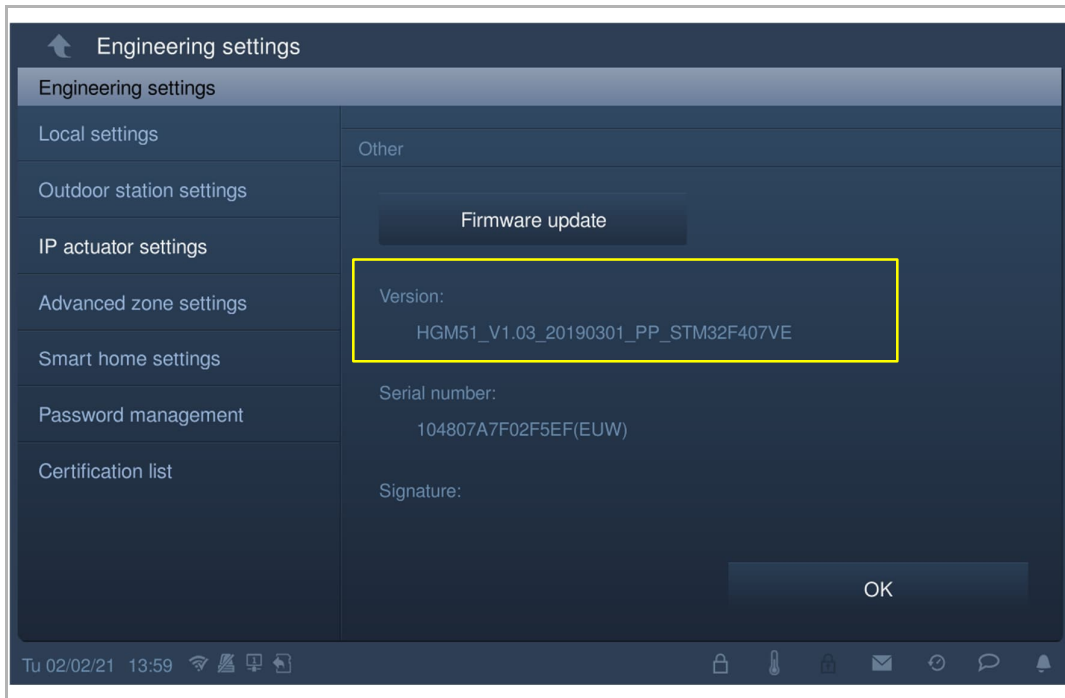[1] On the "IP actuator settings" screen, tap "Firmware update".

[2] Select the designated IP actuator from the drop-down list.

[3] Select the upgrade file from the SD card.

[4] Tap "OK" to update the firmware.
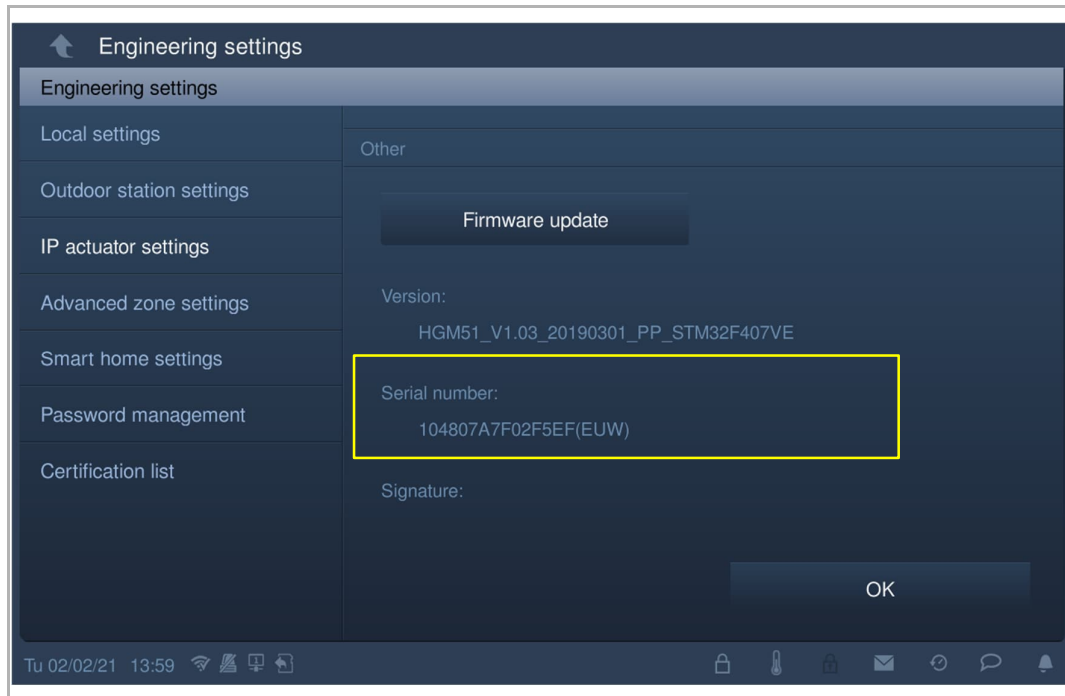
8.10.10 Viewing the version

On the "IP actuator settings" screen, view the version information.

8.10.11 Viewing the serial number

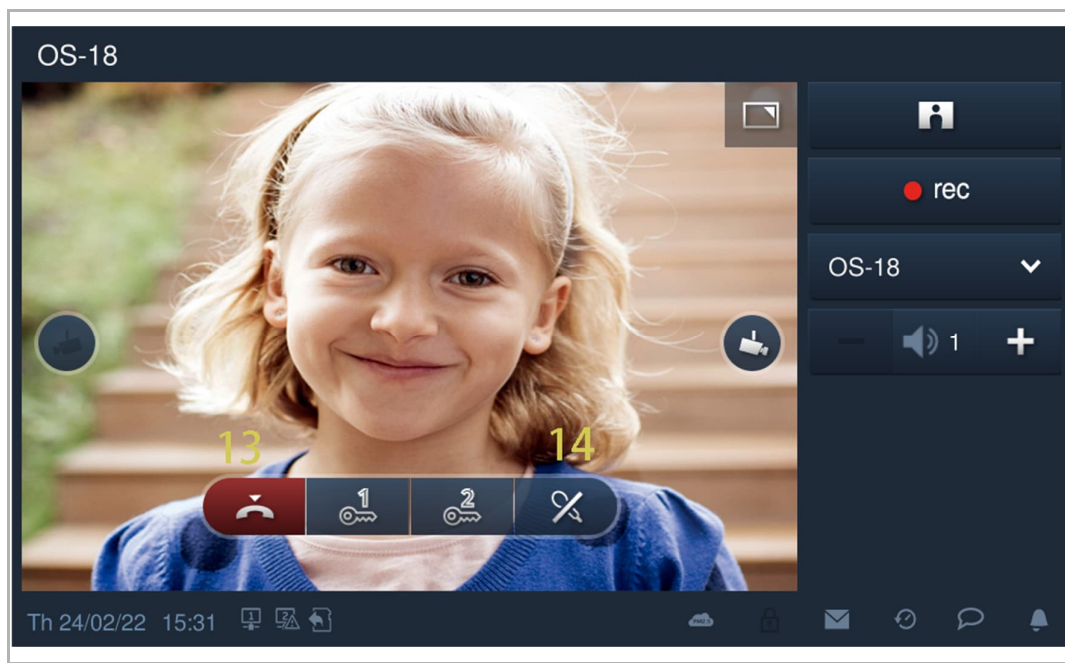On the "IP actuator settings" screen, view the serial number.

9 Operation

9.1 Incoming call

9.1.1 Call from Outdoor Stations

The IP touch displays the image as full screen by default. Tap " " to switch to normal screen.

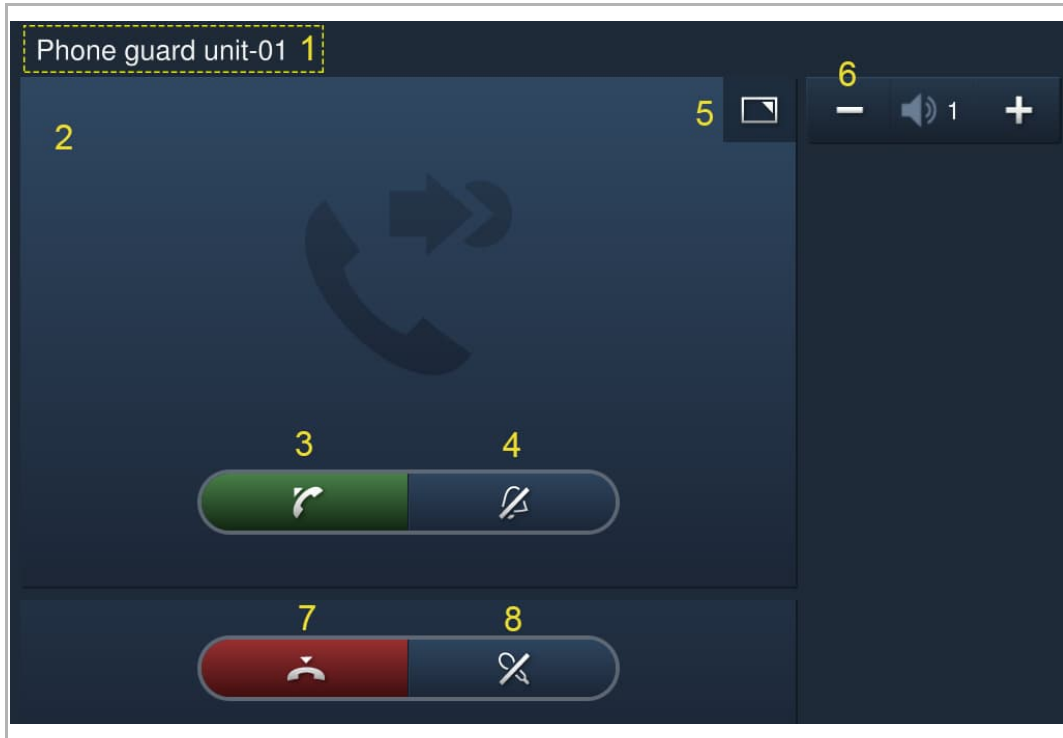| No.	Function
1	Caller ID
2	Display the image of the outdoor stations (The countdown will be displayed in the last 9 s).
3	Tap to accept the call.
4	**Release the default lock** Tap to release the default lock on the calling outdoor station.
5	**Program button** Tap to release the subsidiary lock on the calling outdoor station. It can be set to switch on the light.
6	Tap to mute the ringtone on this device.
7	Tap to display the image of the next camera.
8	Tap to switch the image between full screen and normal screen.
9	Tap to take a snapshot manually.
10	Tap to record a video when the SD is inserted.
11	Select the image of the outdoor station or the camera from the drop-down list.
12	Tap "+" or "-" to adjust the volume.

No.	Function
13	Tap to end the call.
14	Tap to mute the volume.

9.1.2 Call from Guard Units or Indoor Stations

The IP touch displays the image as full screen by default.
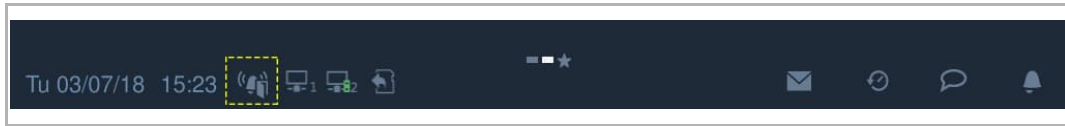
Tap " " to switch to normal screen.

No.	Function
1	Caller ID
2	Display the countdown in the last 9 s.
3	Tap to accept the incoming call.
4	Tap to mute the ringtone on this device.
5	Tap to switch between full screen and normal screen.
6	Tap "+" or "-" to adjust the volume.
7	Tap to end the call.
8	Tap to mute the volume.

9.1.3   Call from doorbell

When the doorbell is pressed, this device will display " " for 5 s on the status bar.

If the doorbell is associated with the camera, the IP touch will display the image from the camera automatically. See the "Home monitor setting" chapter on page xx.

9.2   Intercom

9.2.1   Accessing the "Intercom" screen

In standby status, on the "Door Entry" screen, tap " " to access the corresponding screen.
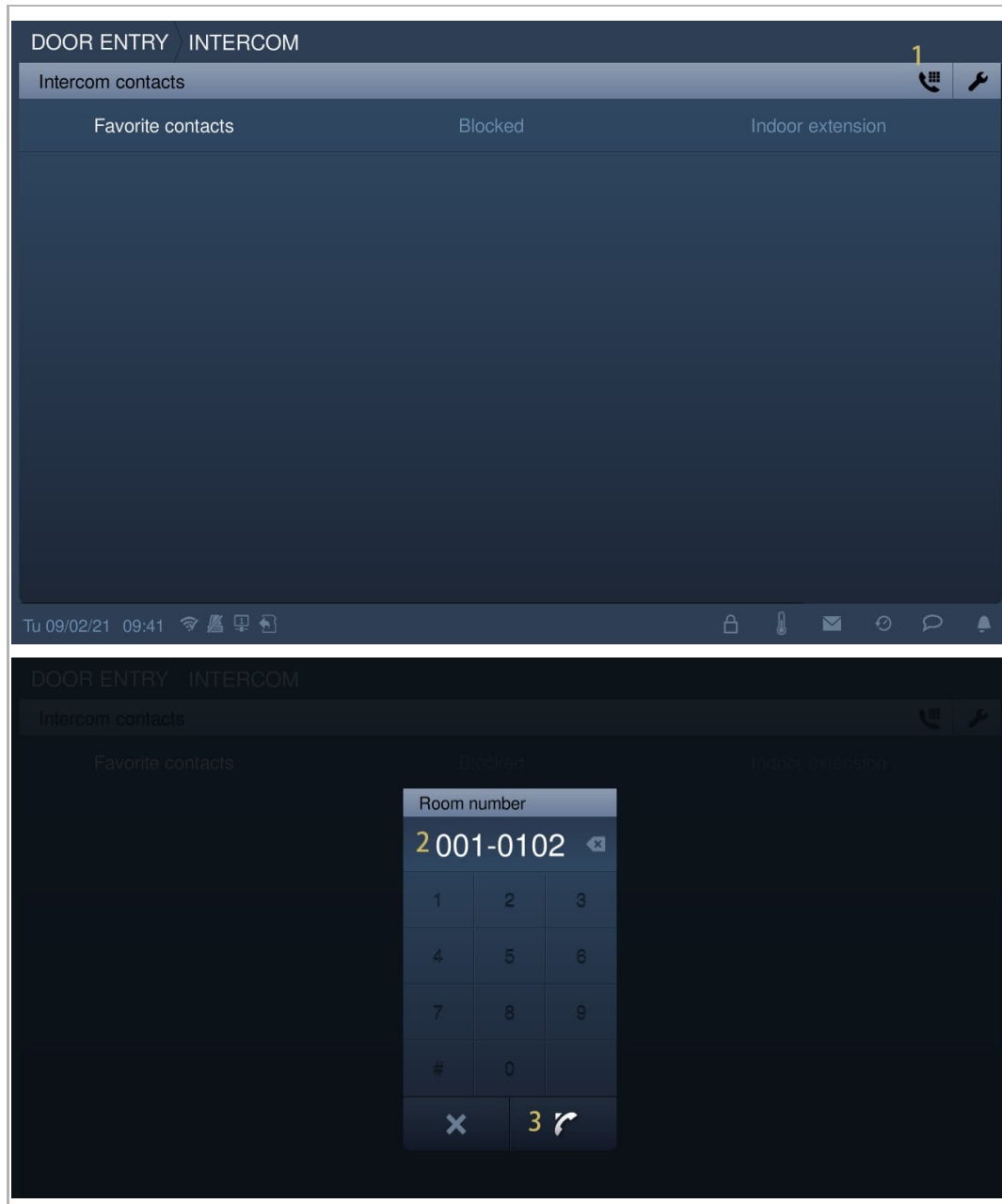
9.2.2   Initiating an intercom call

1. Initiating an intercom call between the different apartments via the keypad

Please follow the steps below:

[1] On the "Intercom" screen, tap " ".

[2] Enter the room number.

[3] Tap " " to initiate an intercom call.

2. Initiating an intercom call between the different apartments via the contact list

Note
At least one contact needs to be added before use.

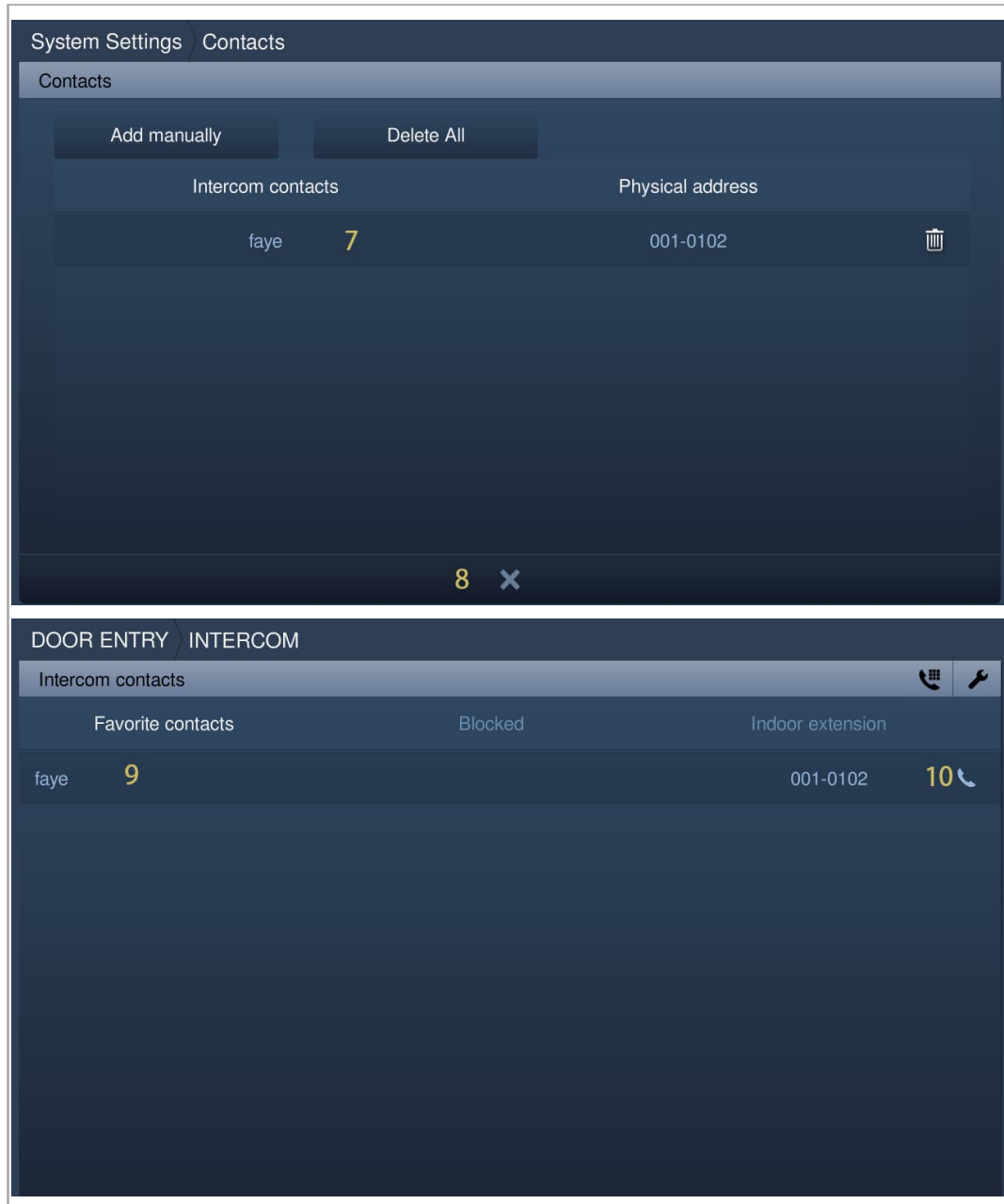Please follow the steps below:

[1] On the "System settings" screen, tap "Contacts".

[2] Tap "Contacts".

[3] Tap "Add manually".

[4] Enter the contact name.

[5] Enter the room number.

[6] Tap "OK".

System Settings 〉 Contacts

Contacts

Add manually   3   Delete All

Intercom contacts	Physical address

✖

System Settings Contacts

Contacts

Add manually

Intercom contacts   Physical address

Add contacts

Intercom con…   faye   4

Room number   0010102   5

✖   6   OK

[7] The result is displayed on the screen.

[8] Tap "X" to exit the setting.

[9] On the "Intercom" screen, the contact is displayed on the screen.

[10] Tap " 📞 " to initiate an intercom call.

System Settings ⟩ Contacts		
Contacts		
Add manually	Delete All	
Intercom contacts		Physical address
faye **7**		001-0102 🗑

8 ✖

DOOR ENTRY ⟩ INTERCOM		
Intercom contacts		📞⊞ 🔧
Favorite contacts	Blocked	Indoor extension
faye **9**		001-0102 **10** 📞

3. Initiating a group call in the same apartment

Please follow the steps below:

[1] On the "Intercom" screen, tap "Indoor extension".

[2] "Group call" is displayed on the screen.

[3] Tap " 📞 " to initiate an intercom call.

4. Initiating a dedicated room call in the same apartment.

Please follow the steps below:

[1] On the "System settings" screen, tap "Contacts".

[2] Tap "Indoor extension settings".

[3] Tap the designated extension.

[4] Enter the alias name.

[5] Tap "OK".

[6] Tap "X" to exit the setting.

[7] The alias name is displayed on the screen.

[8] Tap "📞" to initiate an intercom call.

9.2.3 Adding contacts to the blacklist

Blacklist applies to the intercom call among different apartments only. If you don't want to receive a call from someone who has been added to your contact list, you can use the blacklist.

Please follow the steps below:

[1] On the "Intercom" screen, tap " 🔧 ".

[2] Tap the designated contact.

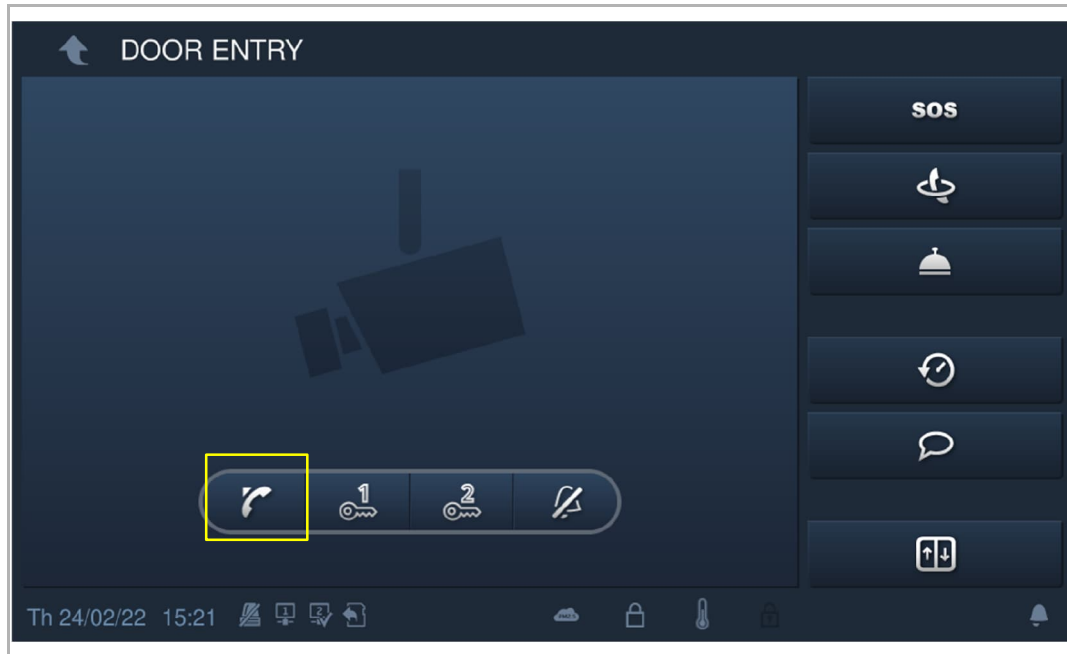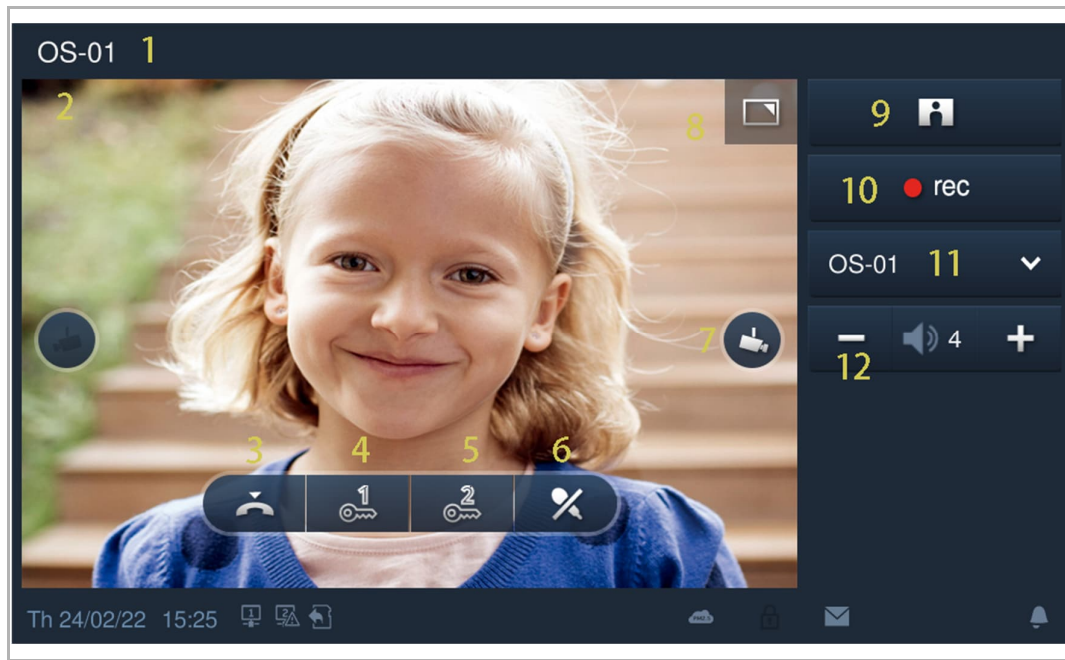[3] Select "Blocked" from the drop-down list.

[4] Tap "√" to save.

[5] Tap "Block".

[6] The blocked contact is displayed on the screen.

9.2.4 Restoring contacts from the blacklist

Please follow the steps below:

[1] On the "Intercom" screen, tap " 🔧 ".

[2] Tap the designated contact.

[3] Select "Allowed" from the drop-down list.

[4] Tap "√" to save.

9.3   Surveillance

9.3.1   Surveillance from outdoor stations

In standby status, on the "Door Entry" screen, tap " " to access the corresponding screen.

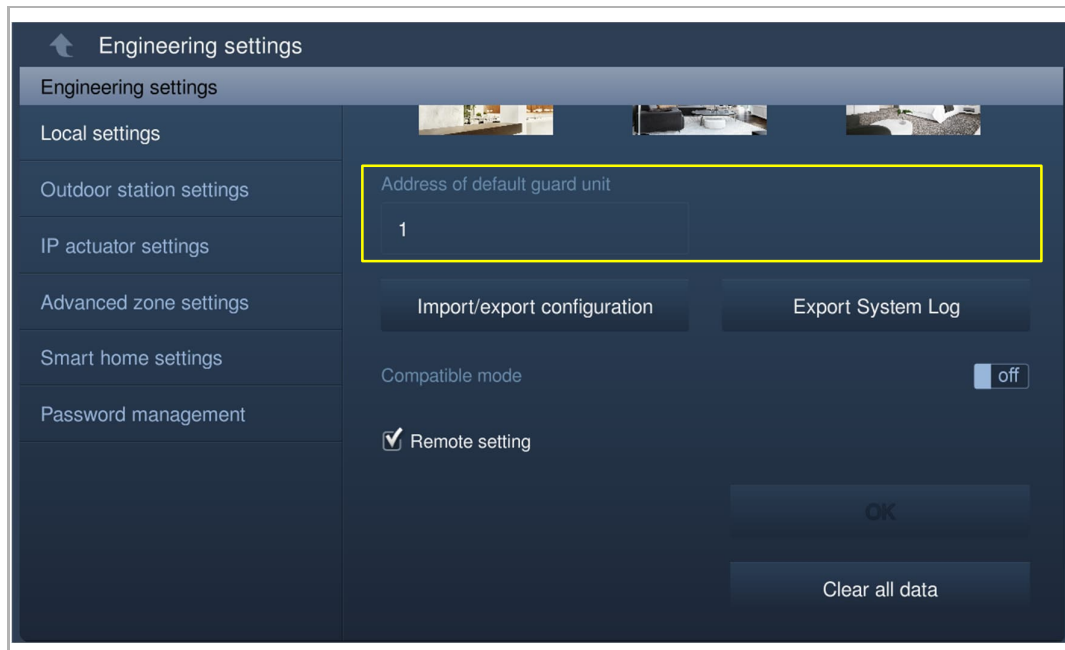| No.	Function
1	Caller ID
2	Display the image from the outdoor station (the countdown will be displayed in the last 9 s).
3	Tap to end the surveillance.
4	**Release the default lock** Tap to release the default lock of the monitored outdoor station.
5	**Program button** Tap to release the subsidiary lock on the monitored outdoor station by default. It can be set to other function e.g. switch on the light.
6	Tap to mute (default) or unmute the volume during surveillance.
7	Tap to display the image of the next outdoor station or the next camera.
8	Tap to switch between full screen and normal screen.
9	Tap to take a snapshot.
10	Tap to record a video only when an SD is inserted.
11	Select the image of the outdoor station or the camera from the drop-down list.
12	Tap "+" or "-" to adjust the volume.

Unauthorized surveillance call

If a pop-up warning window appears, it means the surveillance call function is disabled on the designated outdoor station via "Smart Access Point".

Please see the "Smart Access Point" product manual for more details.

9.3.2 Surveillance from IP camera

No.	Function
1	Caller ID
2	Display the image from the cameras. (The countdown will be displayed in the last 9 s)
3	Tap to end the surveillance.
4	Tap to display the image of the next outdoor station or the next camera.
5	Tap to switch between full screen and normal screen.
6	Tap to take a snapshot.
7	Tap to record a video only when an SD is inserted.
8	Select the image of the outdoor station or the camera from the drop-down list.

9.4   Call Guard Unit

9.4.1   Precondition

Please ensure the follow settings are carried out before use.

▪ On the "Engineering settings", "Local settings" screen, the "Call guard unit" function is enabled.

▪ On the "Engineering settings", "Local settings" screen, the address of default guard unit must be set (the system default is 1).

9.4.2   Initiating a call

In standby status, on the "Door entry" screen, tap " ⬙ " to initiate a call.

9.5   Alarm

9.5.1   Accessing the "Alarm" screen

On the extra screen, tap "Alarm" to access the corresponding screen.

9.5.2 Arming the device manually

Please follow the steps below:

[1] On the "Alarm" screen, tap the designated icon to carry out an arming action (e.g. "Arm all").

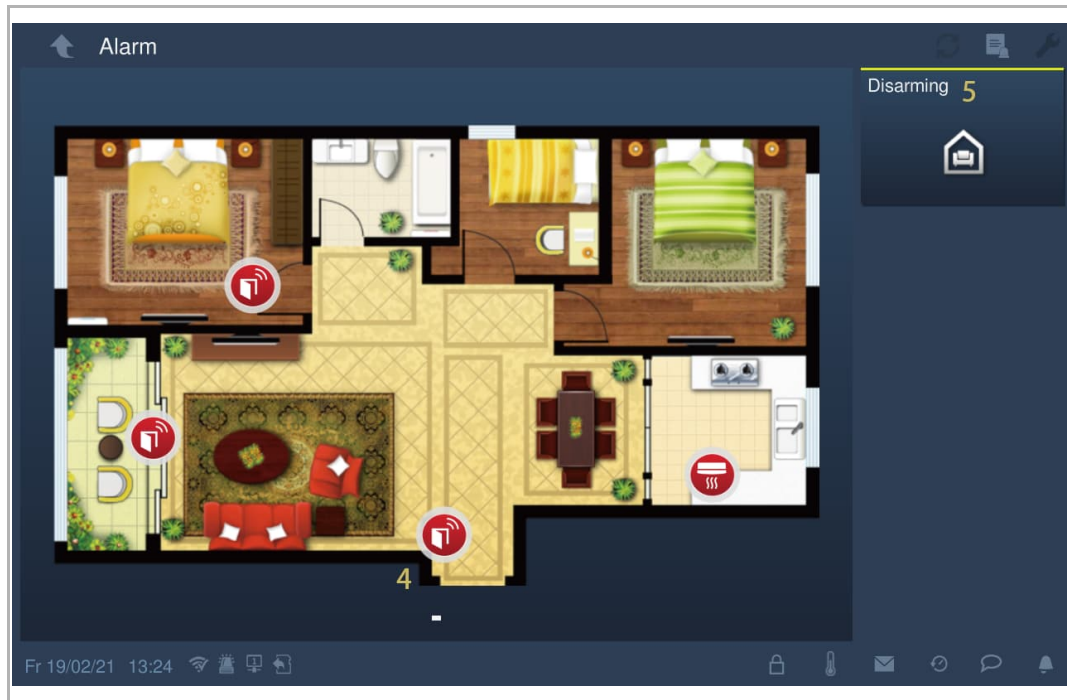

[2] Enter the password (a user password or a program password can be used).

▪ If a user password is used to arm the device, only this user password can be used to disarm it.

▪ If a program password is used to arm the device, both the user password and the program password can be used to disarm it.

[3] Tap "OK".

[4] The designated zone icons turn red on the screen.

[5] "Disarming" is displayed on the screen.

[6] When an alarm zone is triggered, the zone icon will turn orange.

9.5.3 Disarming the device manually

Please follow the steps below:

[1] On the "Alarm" screen, tap "Disarming".
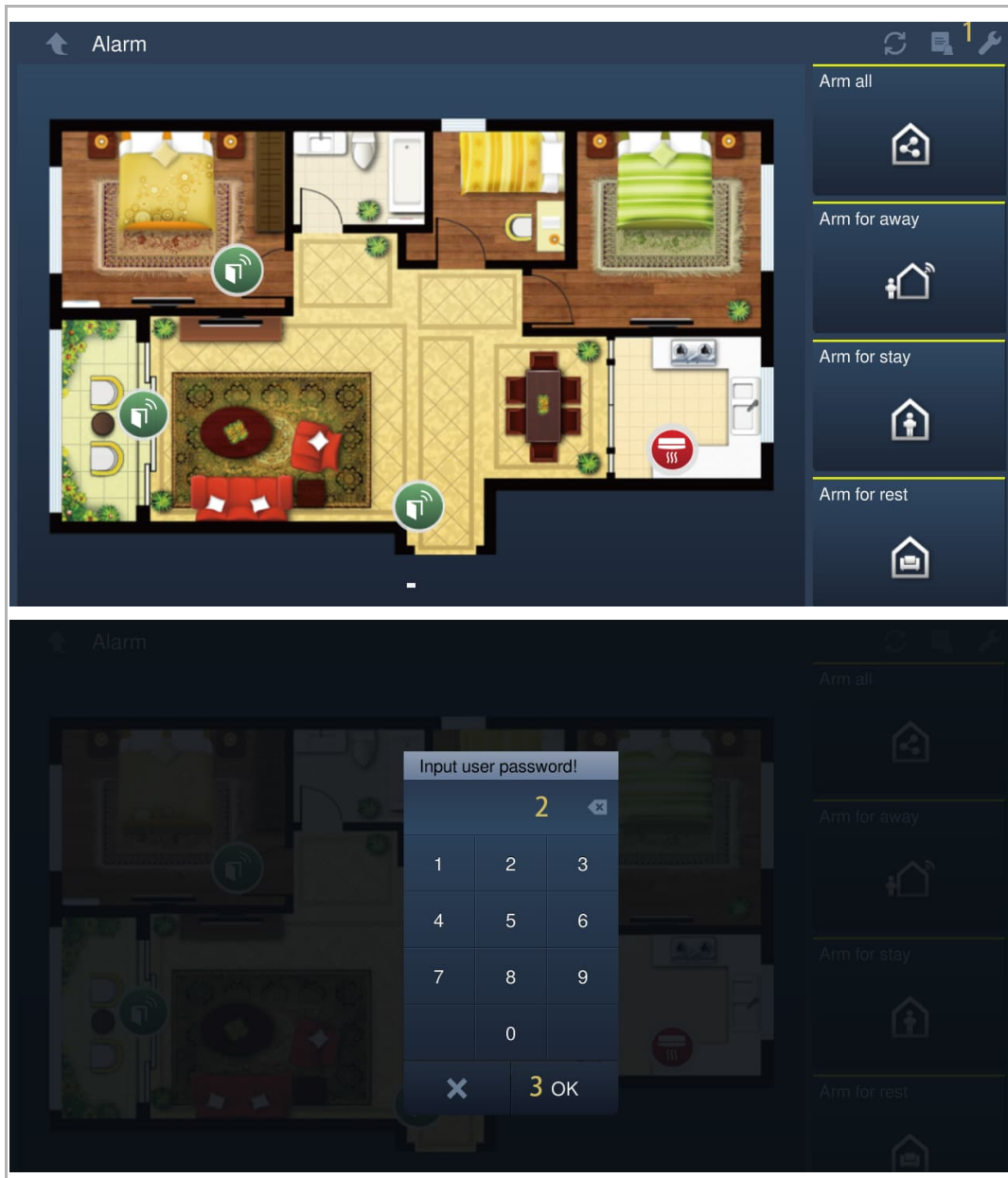
[2] Enter the password.

[3] Tap "OK".

9.5.4   Arming the device automatically

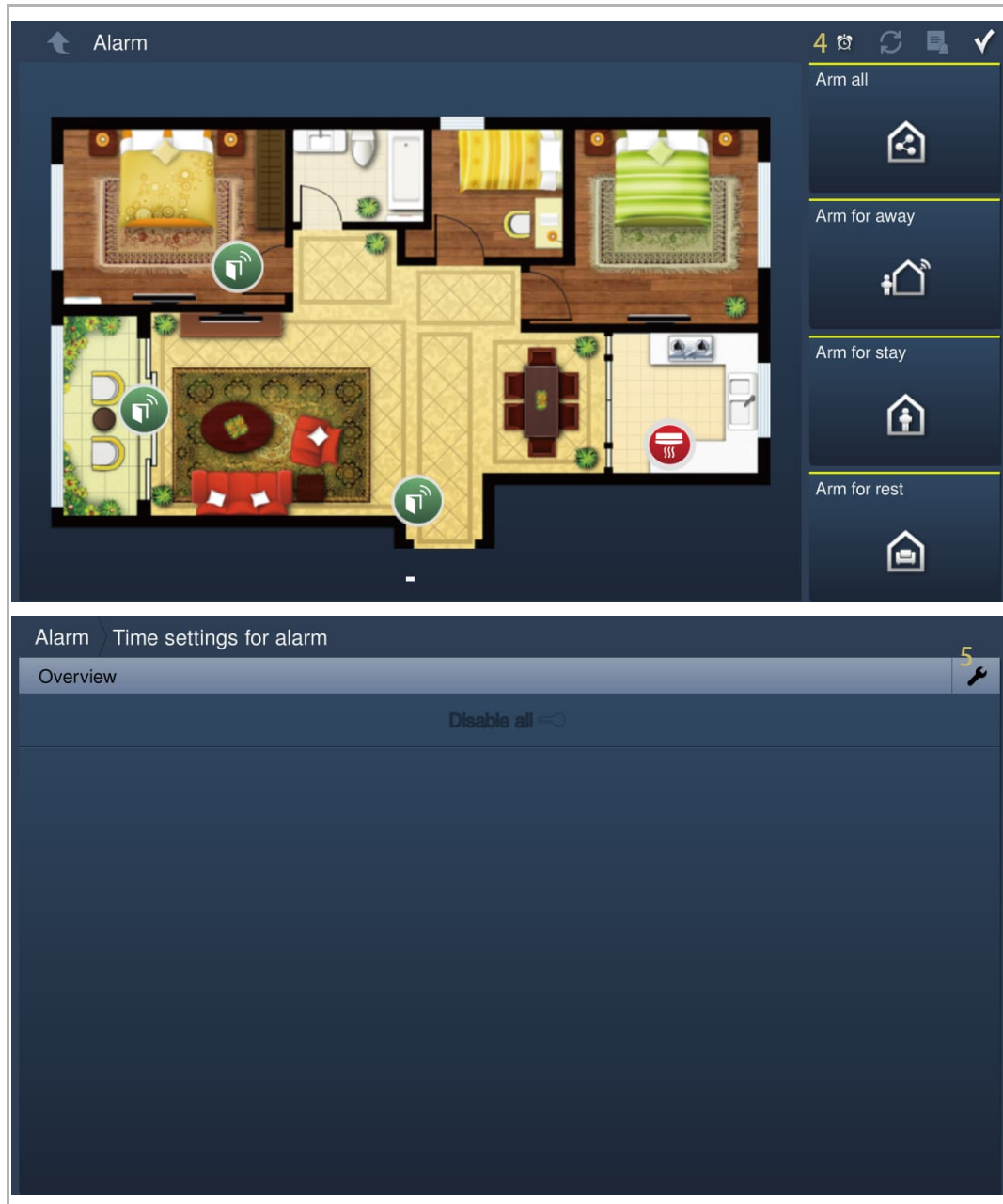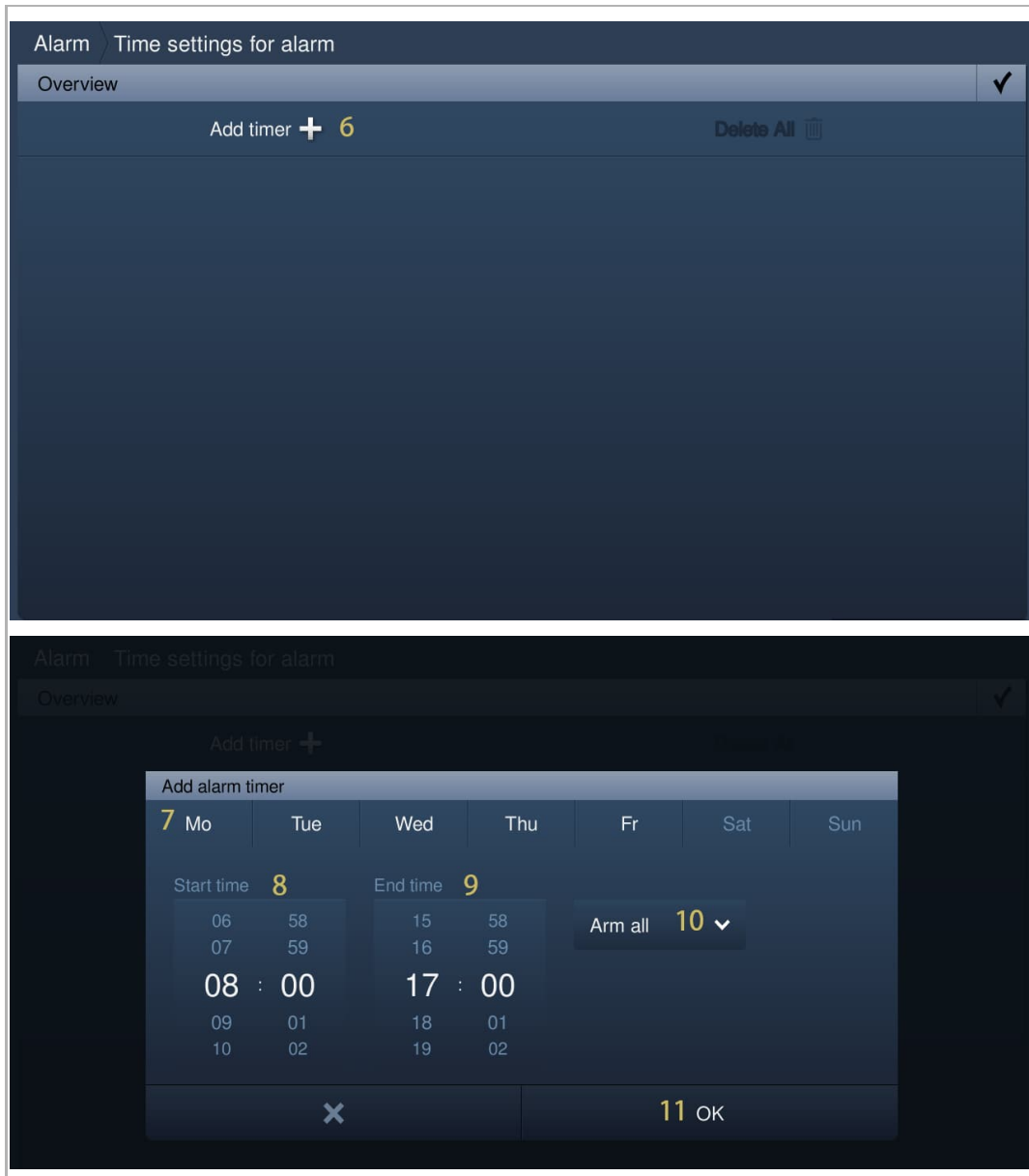You can use an alarm timer to arm the device automatically.

Please follow the steps below:

[1] On the "Alarm" screen, tap "   ".

[2] Enter the user password.

[3] Tap "OK".

[4] Tap " ".

[5] Tap " ".

[6] Tap "Add timer".

[7] Tap to select the working days.

[8] Tap to set the start time.

[9] Tap to set the end time.

[10] Select the arming type from the drop-down list. It can be set to "Arm all", "Arm for stay", "Arm for away" or "Arm for rest".

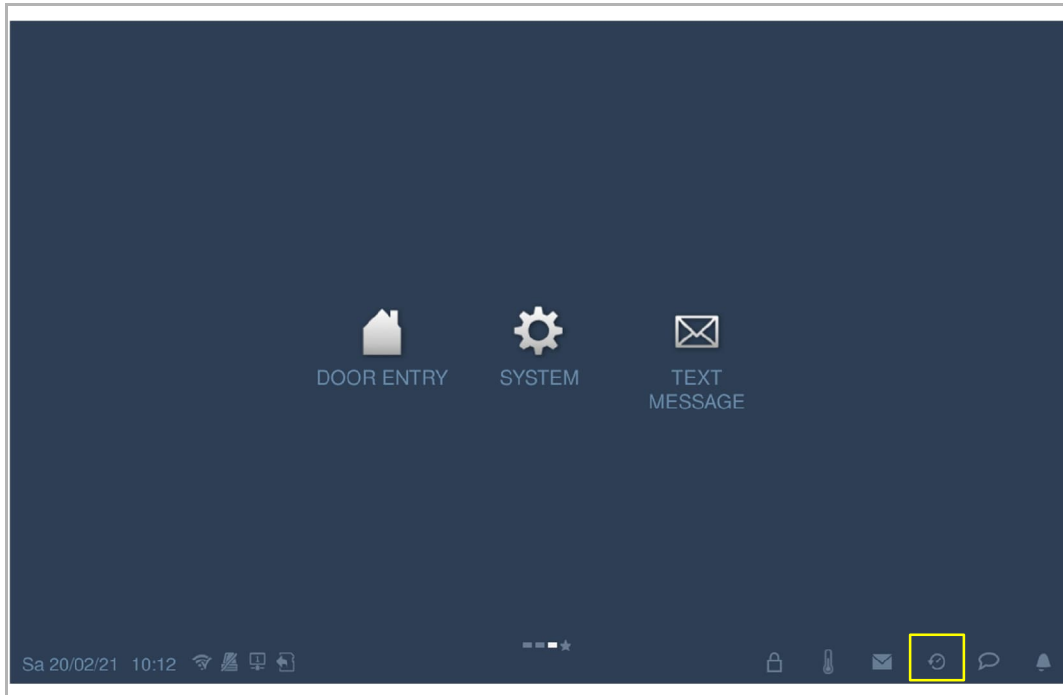[11] Tap "OK".

Note

A maximum of 10 items is supported.

[12] With this timer setting, the indoor station will arm automatically and " " will be displayed on the status bar.

9.6   History

9.6.1   Viewing call records

Accessing the "History" screen

In standby status, tap " [icon] " on the status bar to access the corresponding screen.

Viewing the call records

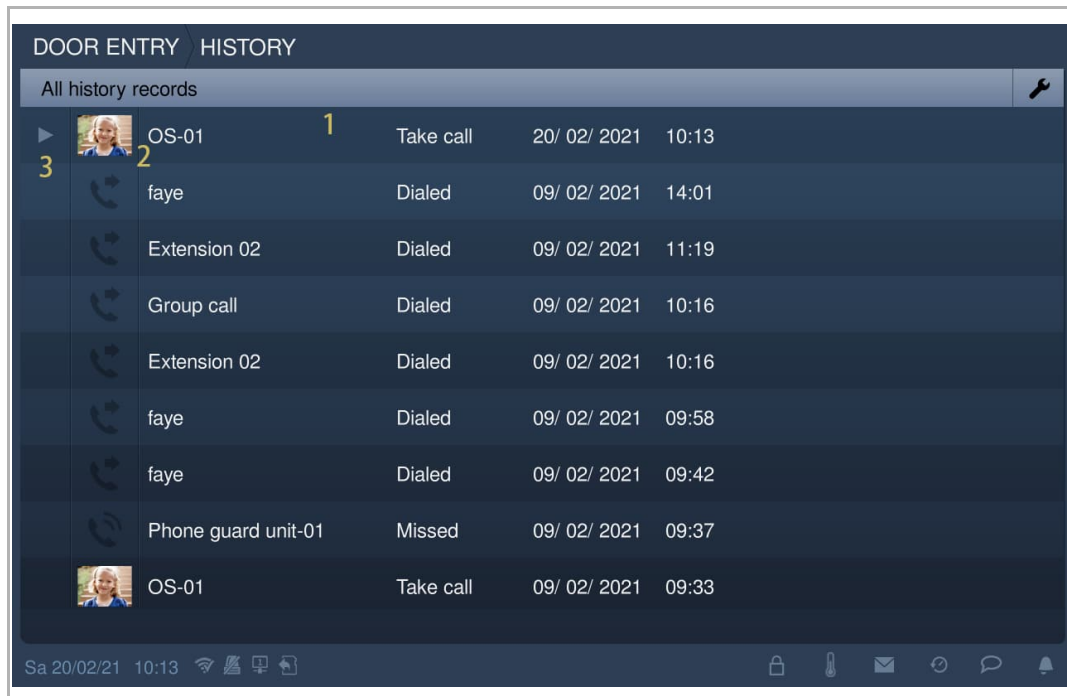[1] On the "History" screen, all the call records are displayed on the screen.

> **Note**
> A maximum of 30 call records can be stored. Highlighting indicates unread status.

[2] Tap the picture to see details on the pop-up window. A maximum of 3 pictures are supported for each record, you can tap "<" or ">" to view the pictures.

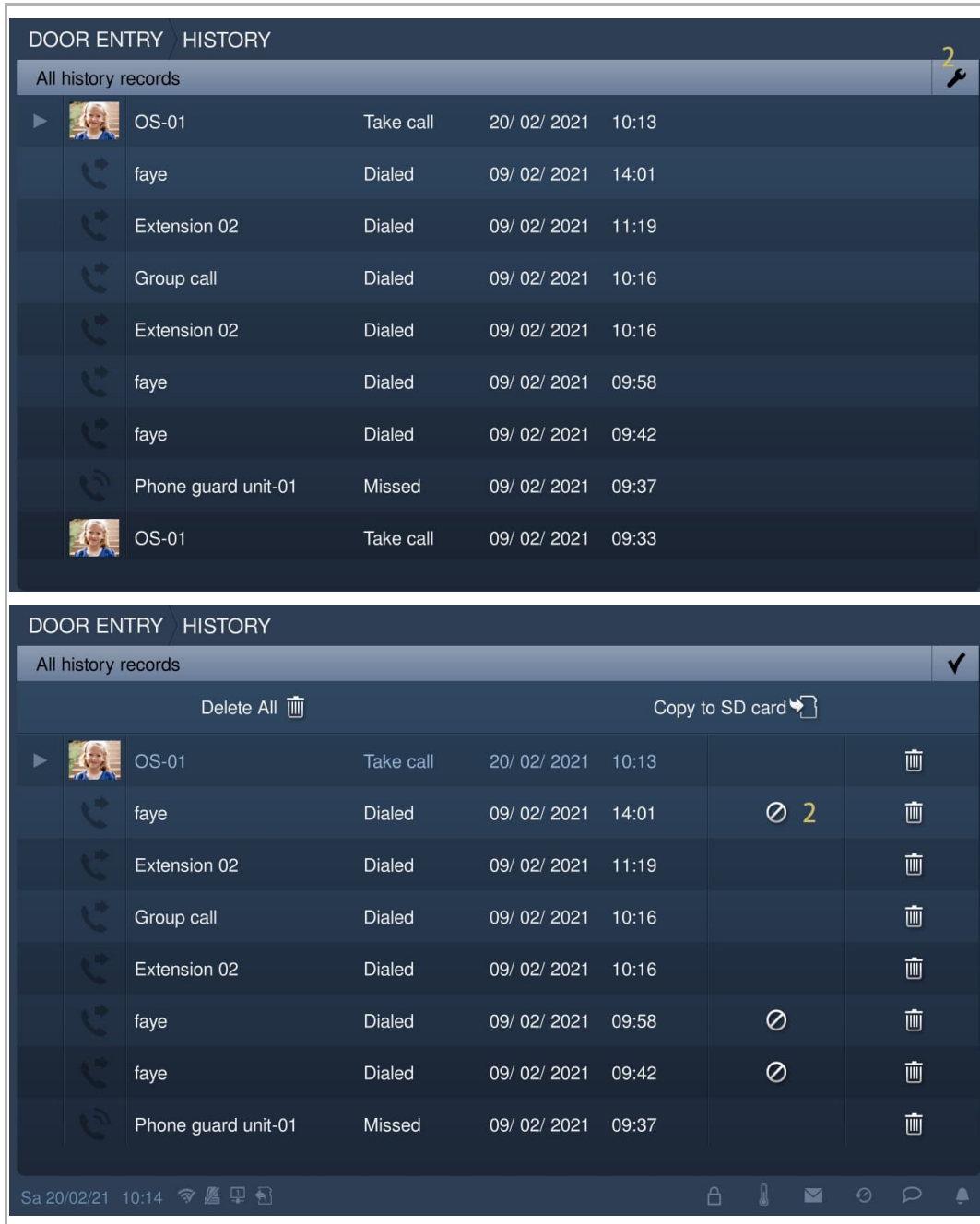[3] Tap " ▶ " to play the audio or video record on the pop-up window when an SD card is inserted.

9.6.2 Adding a contact to the blacklist list

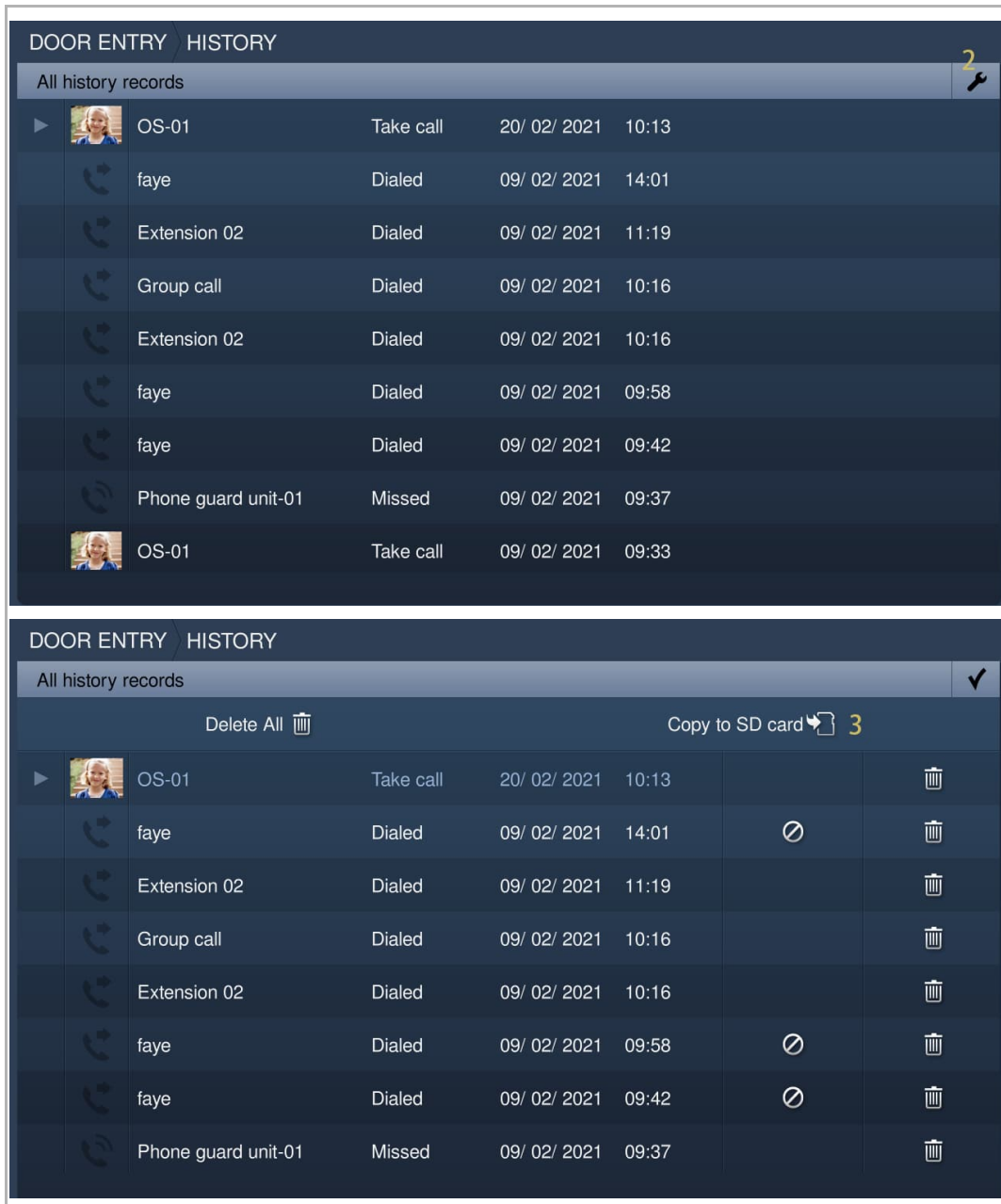Please follow the steps below:

[1] On the "History" screen, tap " 🔧 ".

[2] Tap " ⊘ " to add the contact to the blacklist quickly.

9.6.3 Copying snapshot to an SD card
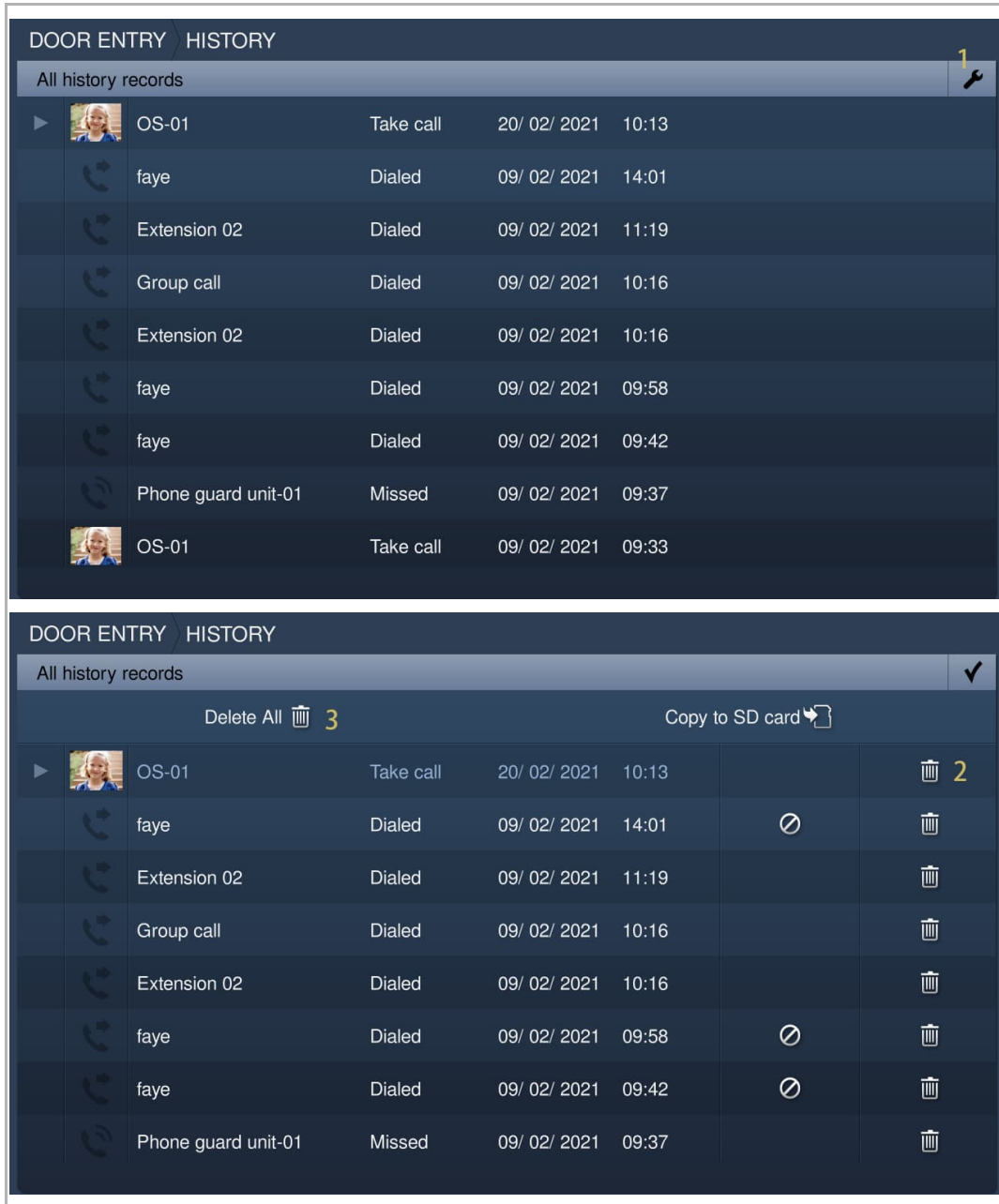
Please follow the steps below:

[1] Insert an SD card to the IP touch.

[2] On the "History" screen, tap " ".

[3] Tap "Copy to SD card".

9.6.4 Removing call records

Please follow the steps below:

[1] On the "History" screen, tap " 🔧 ".

[2] Tap " 🗑 " to remove one call record.

[3] Tap "Delete all" to remove entire history records (optional).

DOOR ENTRY ⟩ HISTORY				
All history records				1 🔧
▶ 👧 OS-01	Take call	20/ 02/ 2021	10:13	
📞 faye	Dialed	09/ 02/ 2021	14:01	
📞 Extension 02	Dialed	09/ 02/ 2021	11:19	
📞 Group call	Dialed	09/ 02/ 2021	10:16	
📞 Extension 02	Dialed	09/ 02/ 2021	10:16	
📞 faye	Dialed	09/ 02/ 2021	09:58	
📞 faye	Dialed	09/ 02/ 2021	09:42	
📞 Phone guard unit-01	Missed	09/ 02/ 2021	09:37	
👧 OS-01	Take call	09/ 02/ 2021	09:33	

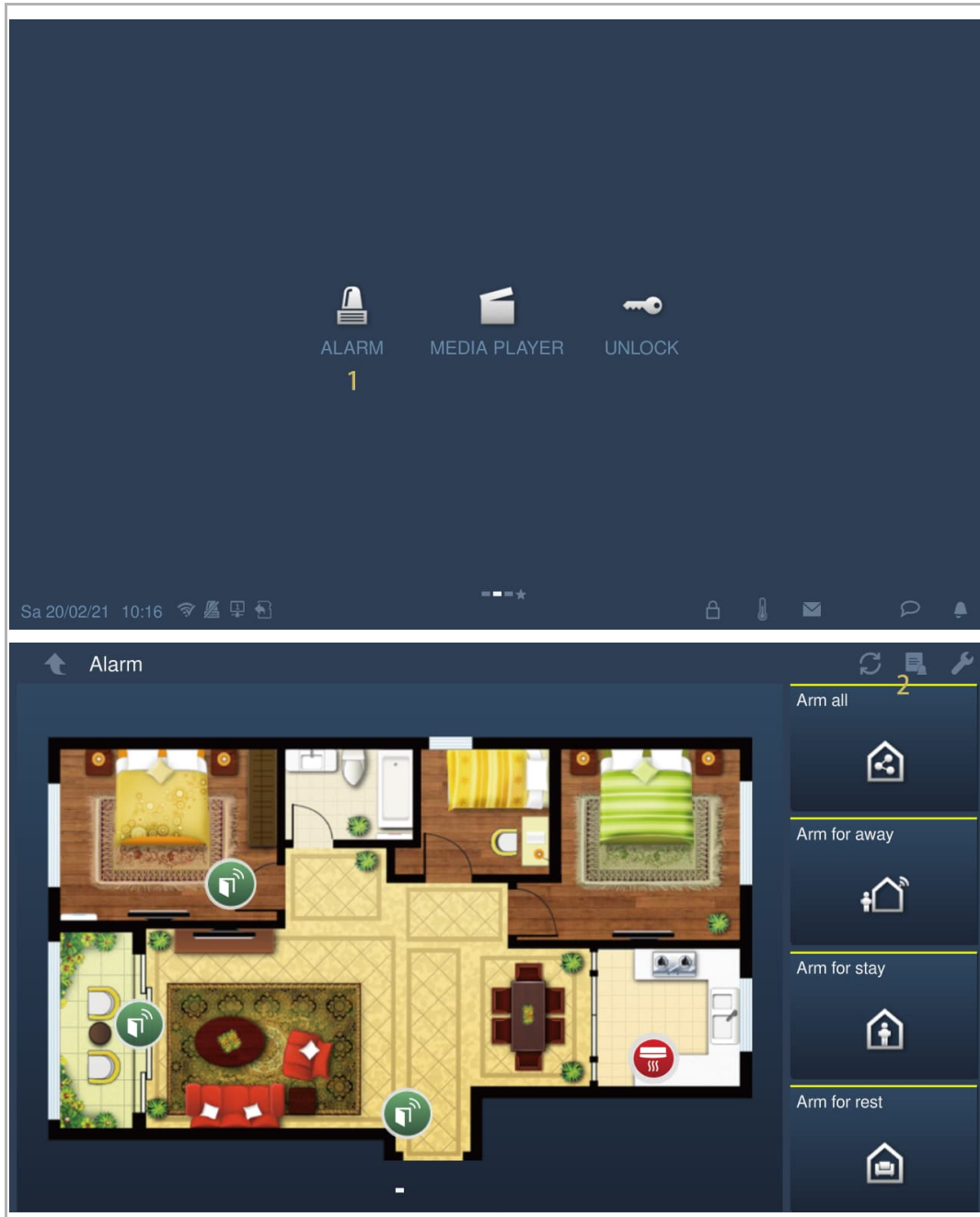| DOOR ENTRY ⟩ HISTORY					
All history records					✓
Delete All 🗑 3			Copy to SD card 📤		
▶ 👧 OS-01	Take call	20/ 02/ 2021	10:13		🗑 2
📞 faye	Dialed	09/ 02/ 2021	14:01	⊘	🗑
📞 Extension 02	Dialed	09/ 02/ 2021	11:19		🗑
📞 Group call	Dialed	09/ 02/ 2021	10:16		🗑
📞 Extension 02	Dialed	09/ 02/ 2021	10:16		🗑
📞 faye	Dialed	09/ 02/ 2021	09:58	⊘	🗑
📞 faye	Dialed	09/ 02/ 2021	09:42	⊘	🗑
📞 Phone guard unit-01	Missed	09/ 02/ 2021	09:37		🗑

9.6.5 Viewing alarm records

Please follow the steps below:

[1] On the extra screen, tap "Alarm".

[2] Tap " ".

[3] The alarm records are displayed on the screen, tap " ▶ " to play the alarm video if possible.

Alarm	Alarm record			
Alarm				Count of alarm records:4
Zone no.	Sensor	3	Location	Alarm time
Disconnecting	Other		Local device	19/ 02/ 2021 13:24
Disconnecting	Other		Local device	19/ 02/ 2021 13:16
Disconnecting	Other		Local device	08/ 02/ 2021 08:39
Disconnecting	Other		Local device	08/ 02/ 2021 08:30

Sa 20/02/21 10:16

9.7   Voice message

9.7.1   Creating a voice message

Please follow the steps below:

[1] In standby status, tap " ⬚ " on the status bar.

[2] Tap "New voice message".

[3] Tap " 🔴 " to start the recording. Tap " ⬜ " to start the recording. Tap " ▶ " to play the recording.

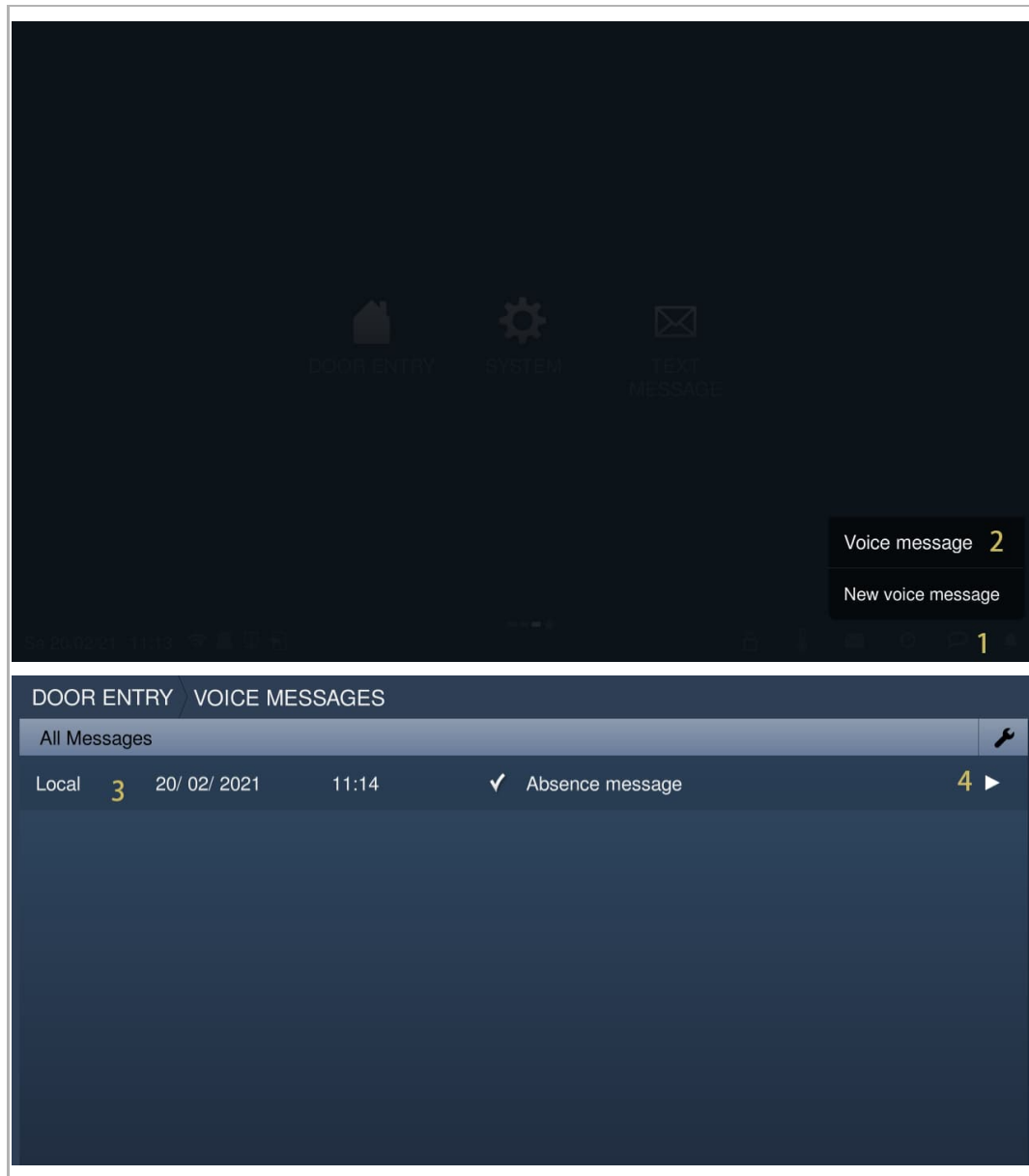[4] Tap "OK" to save. A maximum of 30 voice messages can be stored.

9.7.2 Reading a voice message

This IP touch will flash " 💬 " on the status bar if there is an unread message.
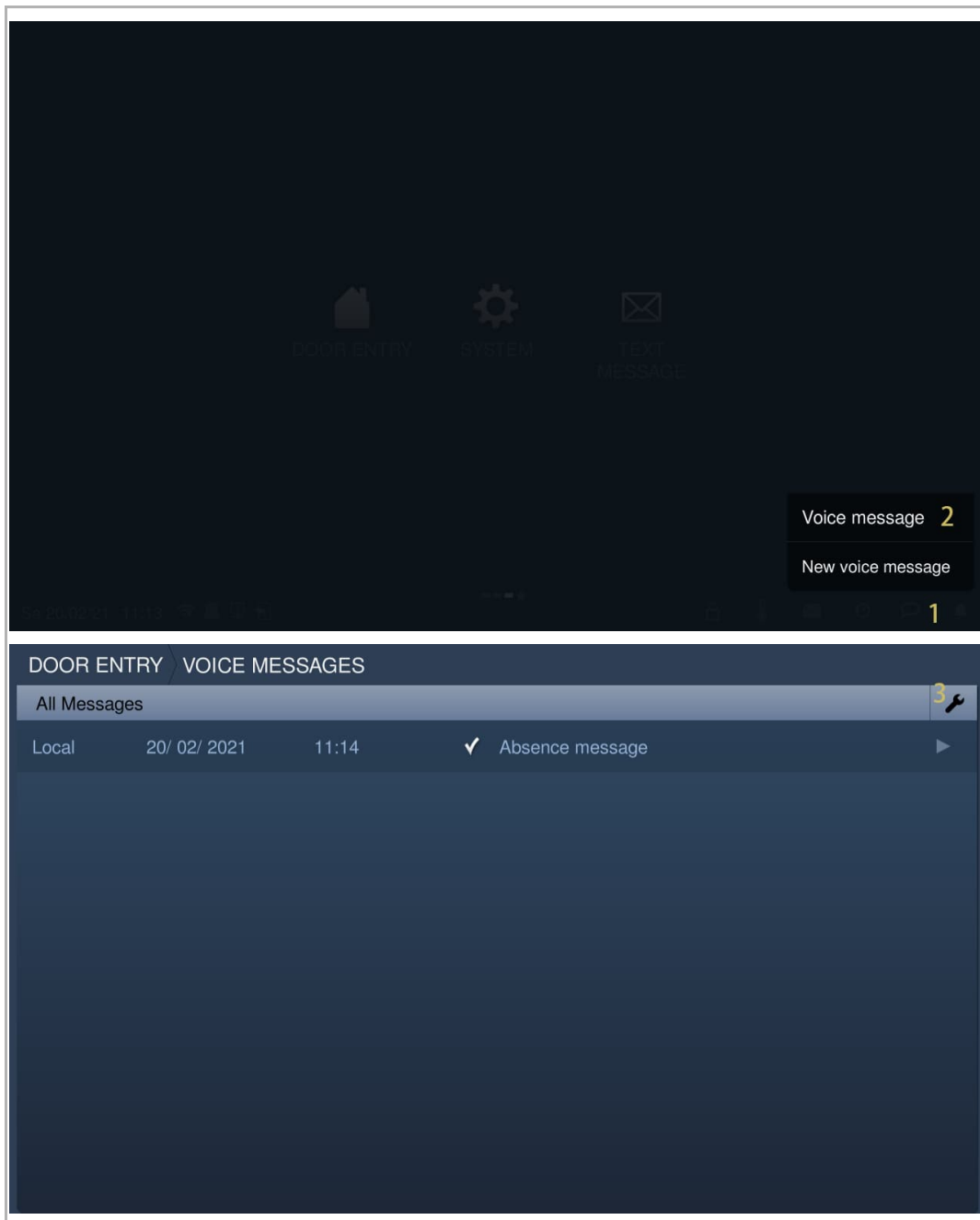
Please follow the steps below:

[1] In standby mode, tap " 💬 " on the status bar.

[2] Tap "Voice message".

[3] The voice messages are displayed on the screen.

[4] Tap " ▶ " to play the designated voice message.
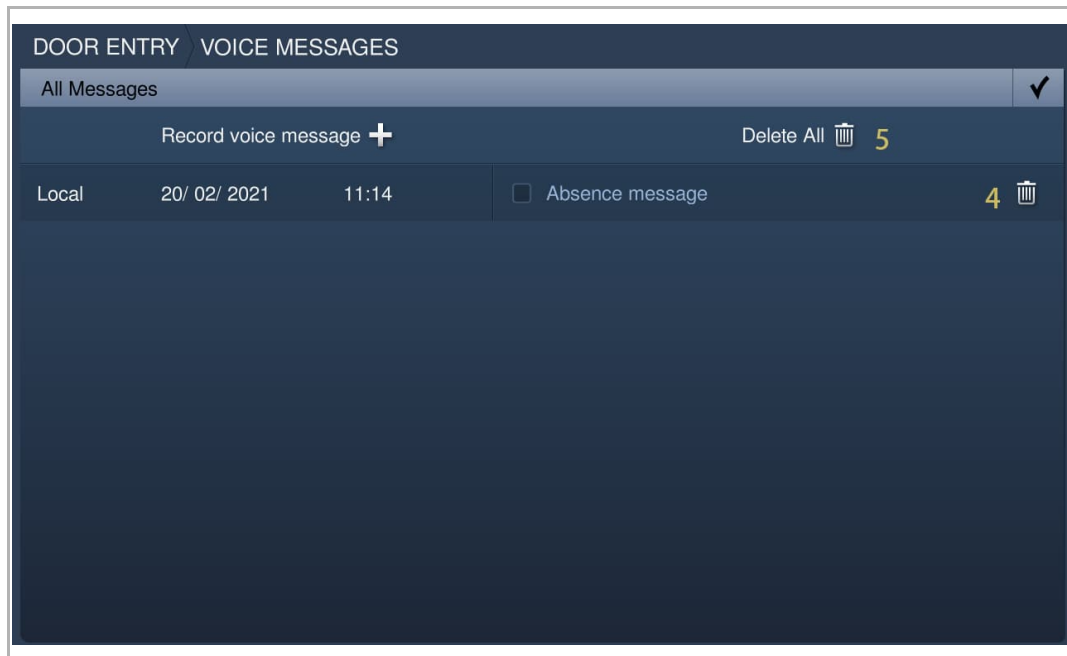
9.7.3 Removing voice messages

Please follow the steps below:

[1] In standby mode, tap " 🗨 " on the status bar.
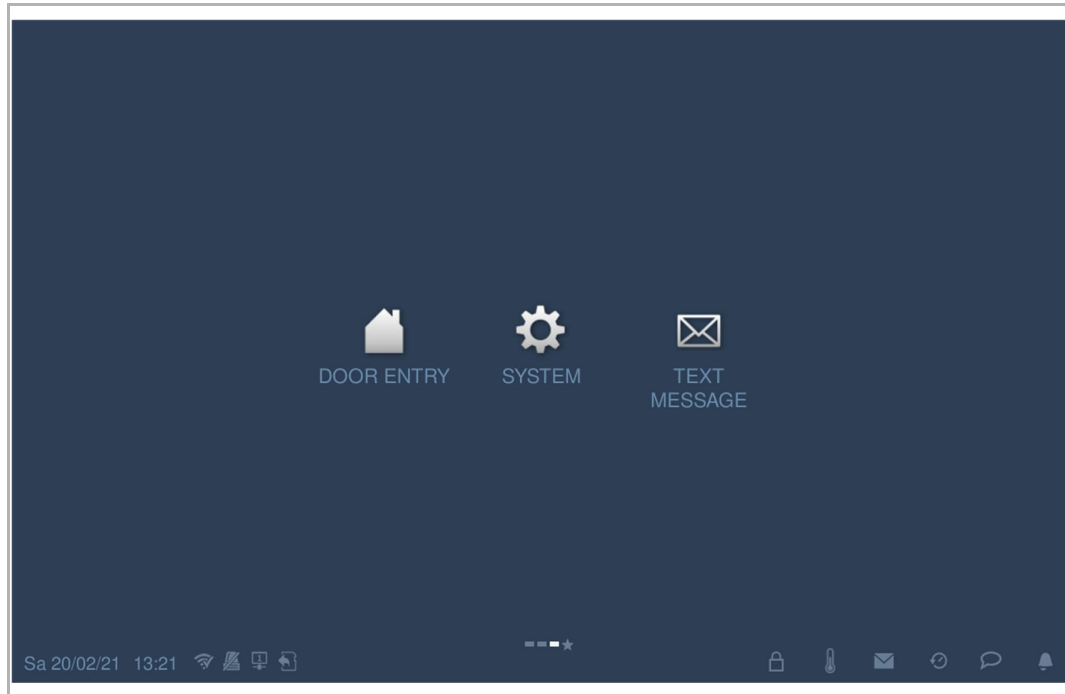
[2] Tap "Voice message".

[3] Tap " 🔧 ".

[4] Tap " 🗑 " to remove one voice message.

[5] Tap "Delete all" to remove all voice messages (optional).

9.8 **Text message**

9.8.1 **Accessing the "Text message" screen**

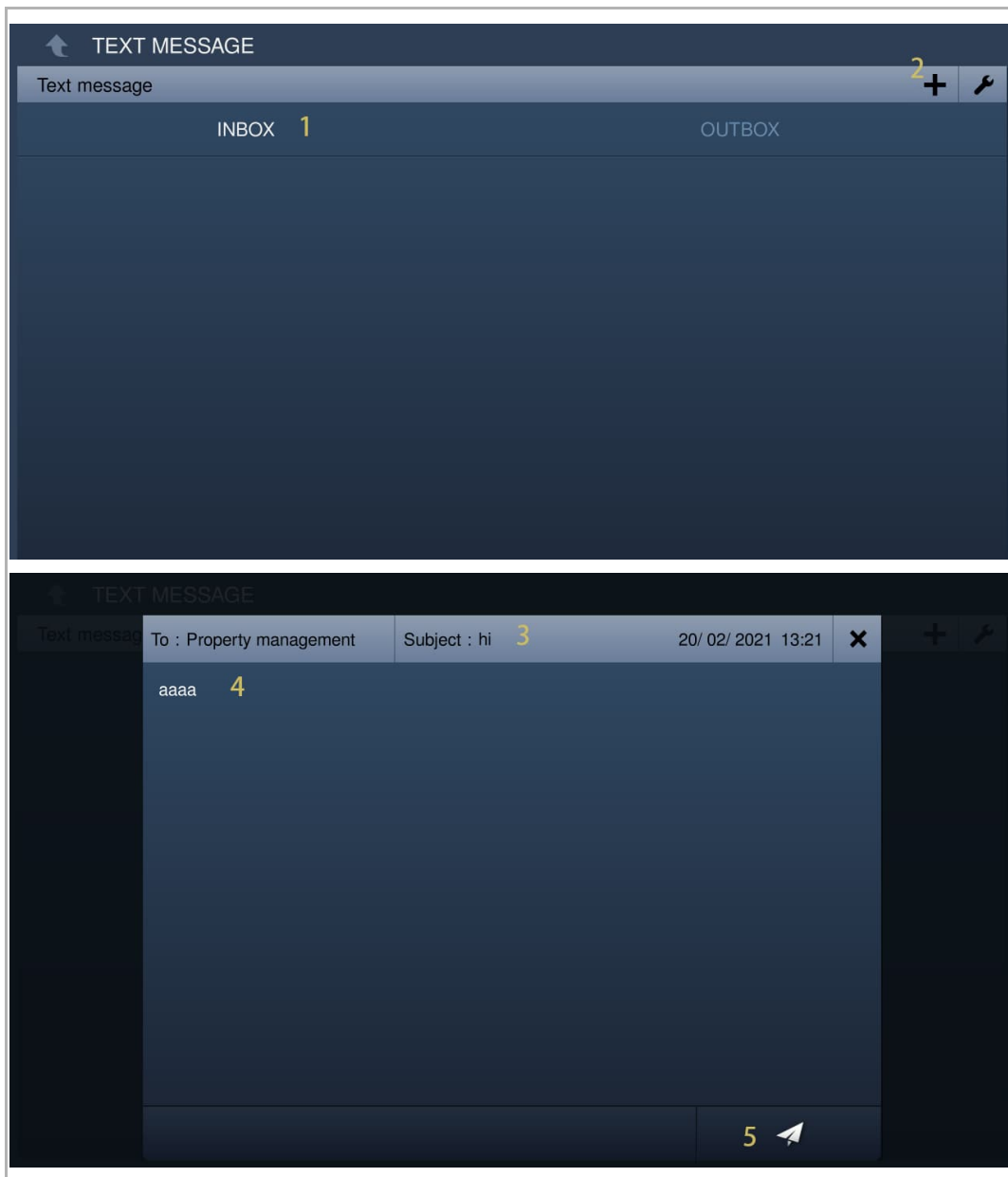On the extra screen, tap "Text message" to access the corresponding screen.

9.8.2   Sending a text message

The IP touch can send text messages to the management software.

Please follow the steps below:
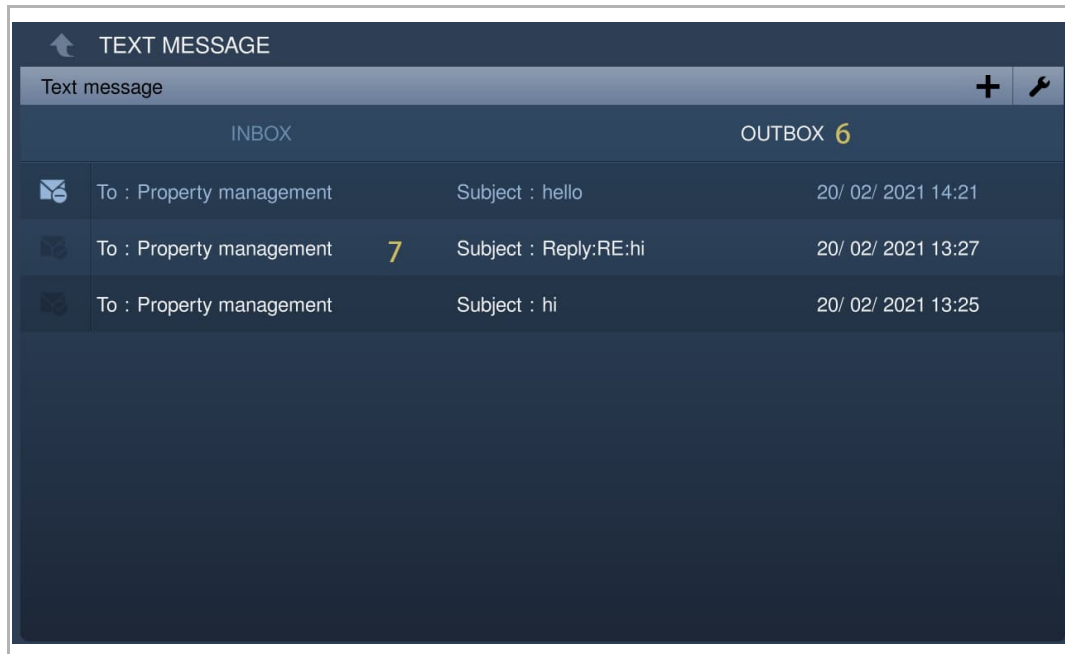
[1] On the "Text message" screen, tap " Inbox".

[2] Tap " + ".

[3] Enter the subject.

[4] Enter the content.

[5] Tap " ✈ " to send this message to the management software.

[6] Tap "Outbox".

[7] The sent text message is displayed on the screen. " " means an undelivered message.

[8] If the message is marked as " ", tap the message, followed by " " to send this message again.

9.8.3 Replying to a text message

Note

In standby status, this IP touch will flash " ✉ " on the status bar if there is an unread text message from the management software.
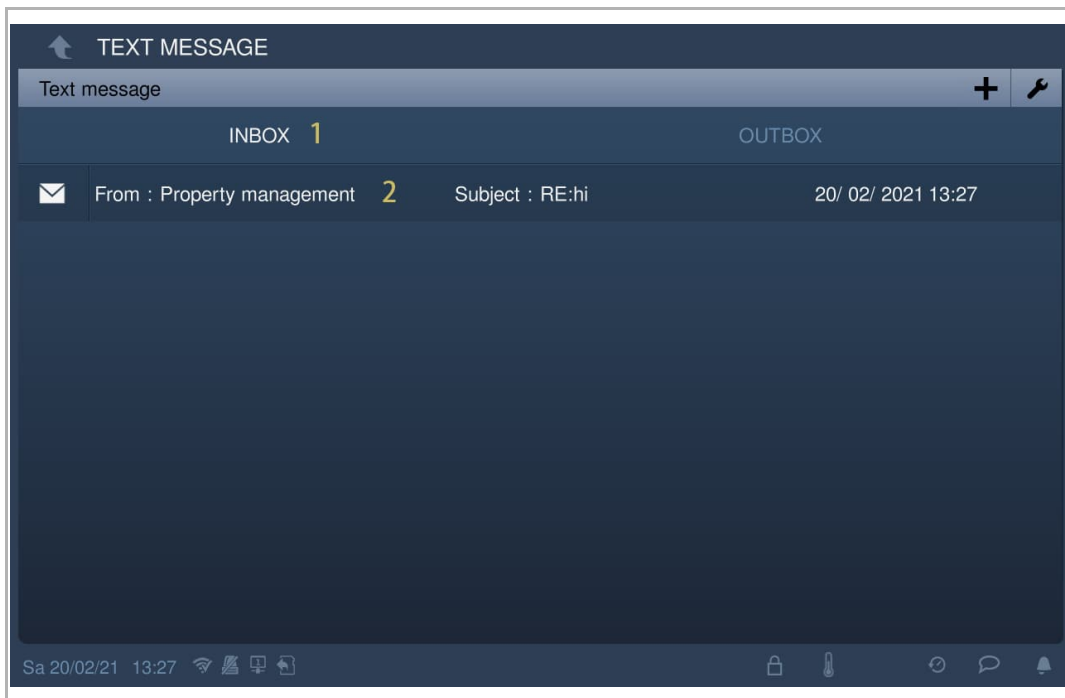
Please follow the steps below:

[1] On the "Text message" screen, tap "Inbox".

[2] Tap the designated message.

Note

A maximum of 30 text messages can be supported. Highlighting indicates unread status.

[3] Tap " 🗩 ".

[4] Enter the content.

[5] Tap " ✈ " to reply this message to the management software.

9.8.4 Marking all text messages as read

Please follow the steps below:

[1] On the "Text message" screen, tap "Inbox".

[2] Tap " 🔧 ".

[3] Tap "Mark all as read".

9.8.5 Removing text messages

Please follow the steps below:

[1] On the "Text message" screen, tap "Inbox".

[2] Tap " 🔧 ".

[3] Tap " 🗑 " to remove one text message.

[4] Tap "Delete all" to remove all text messages (optional).

9.9   Standby unlock

9.9.1   Accessing the "Standby unlock" screen

On the extra screen, tap "Unlock" to access the corresponding screen.

9.9.2   Adding a lock

Please follow the steps below:

[1] On the "Standby unlock" screen, tap " 🔧 ".

[2] Tap "+".

[3] Select lock type from the drop-down list. It can be set to "Door lock" or "Actuator lock".

[4] Select the lock from the drop-down list.

[5] Enter the alias name of the lock.

[6] Tap "OK".

[7] The result is displayed on the screen. (= Door lock, = Actuator lock)

[8] Tap " ✔ " to exit the setting.

9.9.3 Releasing a lock

Please follow the steps below:

[1] On the "Standby unlock" screen, tap the designated lock icon.

[2] The designated lock is released.

9.9.4 Editing a lock

Please follow the steps below:

[1] On the "Standby unlock" screen, tap " ".

[2] Tap " " to edit the lock information.

9.9.5 Removing a lock

Please follow the steps below:

[1] On the "Standby unlock" screen, tap " 🔧 ".

[2] Tap " 🗑 " to remove the lock.

9.10   Media player

9.10.1   Accessing the "Media player" screen

On the extra screen, tap "Media player" to access the corresponding screen.

9.10.2 Playing audios or videos

Note
Please insert an SD card into the IP touch before use.
It is recommended to create a folder called "Media" in the root directory of the SD card before use.

Please follow the steps below:

[1] On the "Media player" screen, tap "A/V".

[2] Tap "Directory".

[3] Tap to select the designated folder.

[4] Tap to select the designated audio or video.

[5] Tap "OK".

Note
Media format supported: .mp3, .wav, .mp4, .avi.
The maximum video solution is 1920 x 1080.

9.10.3 Playing photos

Note

Please insert an SD card into the IP touch before use.

It is recommended to create a folder called "Photo" in the root directory of the SD card before use.

Please follow the steps below:

[1] On the "Media player" screen, tap "Image".

[2] Tap "Directory".

[3] Tap to select the designated folder.

[4] Tap to select the designated picture.

[5] Tap "OK".

[6] Tap " " to play the pictures as a slideshow (full screen by default).

[7] Tap " " to set the transition when displaying multiple photos.

Note
Photo formats supported: .jpg, .png
The maximum photo solution is 2048 x 1920.
The maximum photo size is 3 M.

9.11   Call the elevator

9.11.1   Precondition

Please ensure the follow settings are carried out before use.

▪ On the "Engineering settings", "Local settings" screen, the "Lift" function is enabled.

9.11.2 Call the lift

Please follow the steps below:

[1] On the "Door Entry" screen, tap " " to call the lift to the current floor.

[2] " " will be displayed on the status bar if successful.

9.12   PM 2.5 value

This function applies to IP touch (LAN+LAN) only.

It is permitted to connect 2 pcs PM2.5 sensors to the 485 connectors on the IP touch.

Please contact a local engineer for more details if you need this application.

In standby status, tap " ☁ " on the status bar to display the PM2.5 values.

9.13 **Clean screen**

On the "System settings" screen, "Display" screen , tap " ".

The countdown (1…30) is displayed on the screen. Any operations on the screen will be invalid. This device will exit "Clean screen" mode if an incoming call is received.

10 Cyber security

10.1 Disclaimer

This product is designed to be connected and to communicate information and data via a network interface, which should be connected to a secure network. It is the customer's sole responsibility to provide and continuously ensure a secure connection between the product and customer's network or any other network (as the case may be) and to establish and maintain appropriate measures (such as but not limited to the installation of firewalls, application of authentication measures, encryption of data, installation of antivirus programs, etc.) to protect the H8236 product, the network, its system and interfaces against any kind of security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information. ABB Ltd and its affiliates are not liable for damages and/or losses related to such security breaches, unauthorized access, interference, intrusion, leakage and/or theft of data or information.

Although ABB provides functionality testing on the products and updates that we release, you should institute your own testing program for any product updates or other major system updates (to include but not limited to code changes, configuration file changes, third party software updates or patches, hardware change out, etc.) to ensure that the security measures that you have implemented have not been compromised and system functionality in your environment is as expected.

10.2 Performance and service

Network performance

Type	Value
Ethernet	36 Mbps (53,568 packets/s)
ARP	17 Mbps (25,296 packets/s)
ICMP	14 Mbps (20,832 packets/s)
IP	22 Mbps (32,736 packets/sec)

Port and service

Port	Service	Purpose
5060	UDP	To be used by sip client.
5061	TCP	To be used by sip server
5070	TCP	To be used by sip server
50602	UDP	To be used by sip server
7777	TCP/UDP	To be used for device management
7006	TCP	To be used for connectivity detection when this feature is enabled
8001	TCP	To be used for calling the history report
8887	TCP	To be used for firmware updating
10777	TLS	Secure channel for device management
11778	TLS	Secure channel for connectivity detection when this feature is enabled
12779	TLS	Secure channel for calling the history report

10.3 Deployment guideline

Please do not install it within a public place and ensure that physical access to the devices is granted only to trusted personal.

All devices need to work in security mode by default and all devices on one system shall be signed by a public CA at the commissioning stage; in normal situations, the management software functions as the CA.

Its suggested compatible mode is only to be used when the device needs to communicate with previous generation products. In this mode, data transmission between devices are not encrypted, it may lead to data leaks and has the risk of being attacked.

If the user decides to remove the device from the system, the user shall reset the device to the factory settings to remove all the configuration data and sensitive data on the device. This will prevent sensitive data leaks.

It is recommended to apply "MAC filter" and "Rate limiter" in the switch to prevent DOS attack.

10.4 Upgrading

The device supports firmware updating via SD card. In this mode, a signature file will be used to verify the authentication and integrity of firmware.

If Internet services are available, the device will connect to the MyBuildings sever to obtain new firmware automatically, but this needs to be confirmed by end user each time. A signature file will be used to verify the authentication and integrity of the firmware.

10.5 Backup/restore

Some device configurations can be exported to SD card for backup purposes, and on later use, re-imported to restore the configuration.

When connected to a management device, the user can back up and restore configurations on the management device side; this feature is enabled or disabled via a local setting option.

10.6 Malware prevention solution

The device H8236 is not susceptible to malware, because custom code cannot be executed on the system. The only way to update the software is via firmware upgrades. Only firmware signed by ABB can be accepted.

10.7 Password rule

The user needs to change the engineering password when entering the engineering settings for the first time. This engineering password must not use continuously increasing or decreasing numbers (e.g. 12345678, 98765432). Three consecutive identical numbers are similarly not allowed (e.g. 123444, 666888).

Your passwords must not be known by other persons to guarantee security.

Notice

11 Notice

We reserve the right to at all times make technical changes as well as changes to the contents of this document without prior notice.

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