2TMD042300D0035 | 27.09.2023

Product manual
ABB-Welcome IP

H8249-1. IP Touch Lite 7

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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 part of the ABB-Welcome IP system and operates exclusively with components from this system. The device must only be installed in dry indoor rooms.

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)

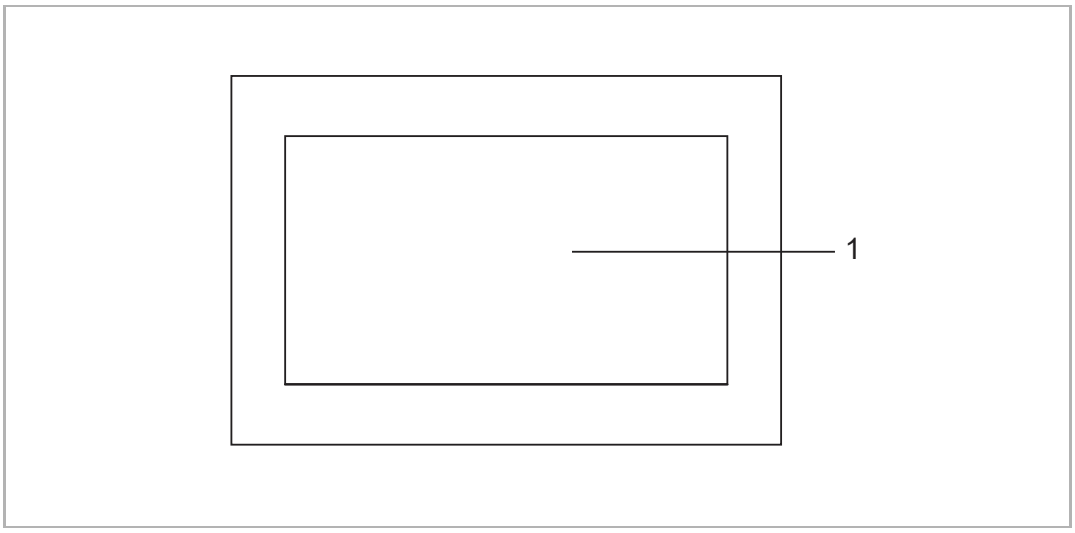
(EU-REACH ordinance and law for the implementation of the ordinance (EG) No.1907/2006)

5 Product description

5.1 Device type

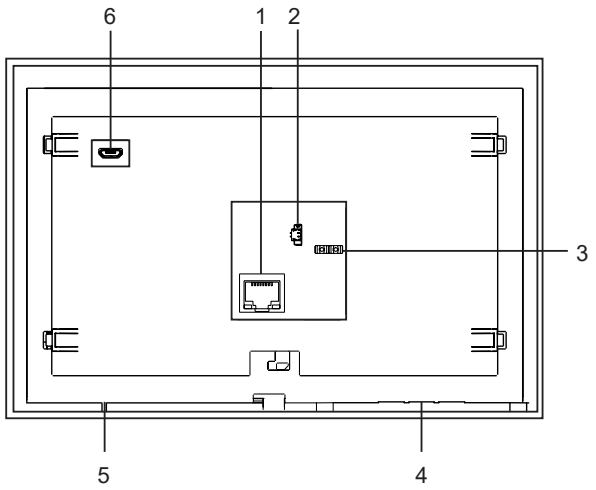
Article number	Order number	Product name	Colour	Size (DxHxW) Unit: mm
H8249-1W	2TMA130051W0010	IP Touch Lite 7	White	192 x 128 x 17.2
H8249-1B	2TMA130051B0009	IP Touch Lite 7	Black	192 x 128 x 17.2

5.2 Control elements



No.	Description
1	Touchscreen

5.3 Terminal description



No.	Description
1	LAN1 (PoE)
2	Doorbell connector
3	Power input connector
4	Speaker
5	Microphone
6	Micro USB connector emergency engineering access

6 Technical data

Designation	Value
Rating voltage	24 V ⎓
Operating voltage range	20-27 V ⎓
Rating current	24 V ⎓, 375 mA
Display size	7"
Resolution	1024 x 600 px
Operating temperature	0 °C … +45 °C
Storage temperature	-25 °C … +70 °C
PoE standard	IEEE802.3 af
Wireless transmission band	**802.11b/g/n:** 2412...2462MHz (for United States) 2412...2472MHz (for European countries) **802.11a/n/ac:** 5150…5250MHz 5250…5350MHz 5470…5725MHz 5725…5850MHz (for United States)
Wireless transmission power	Max. 20 dBm
Wireless transmission standard	IEEE 802.11 a/b/g/n/ac
Diameter of the cable thickness (3)	1.0 mm...1.4 mm

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.

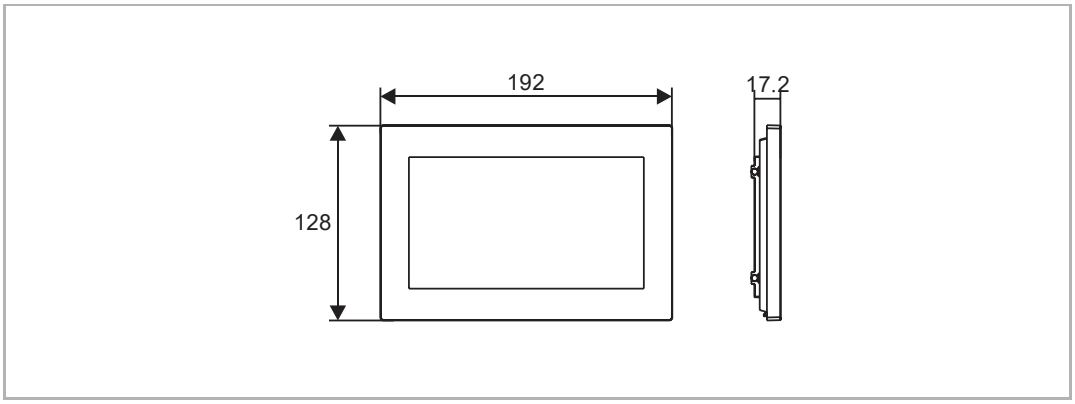
– Incorrect installation endangers your life and that of the user of the electrical system.
– Incorrect installation can cause serious damage to property, e.g. due to fire.

The minimum necessary expert knowledge and requirements for the installation are as follows:

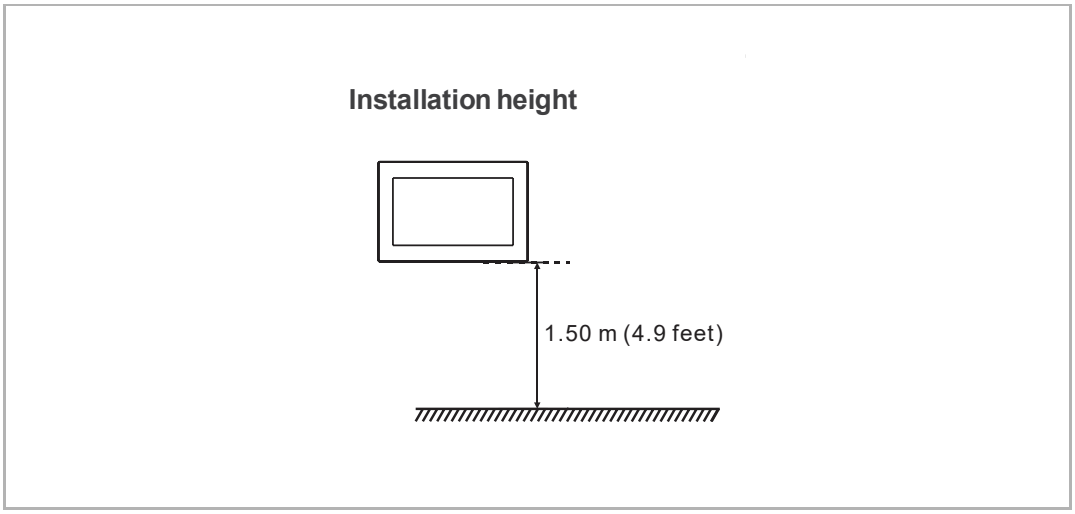
– Apply the "five safety rules" (DIN VDE 0105, EN 50110):
  1. Disconnect
  2. Secure against being re-connected
  3. Ensure there is no voltage
  4. Connect to earth and short-circuit
  5. Cover or barricade adjacent live parts.
– Use suitable personal protective clothing.
– Use only suitable tools 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

Unit: mm



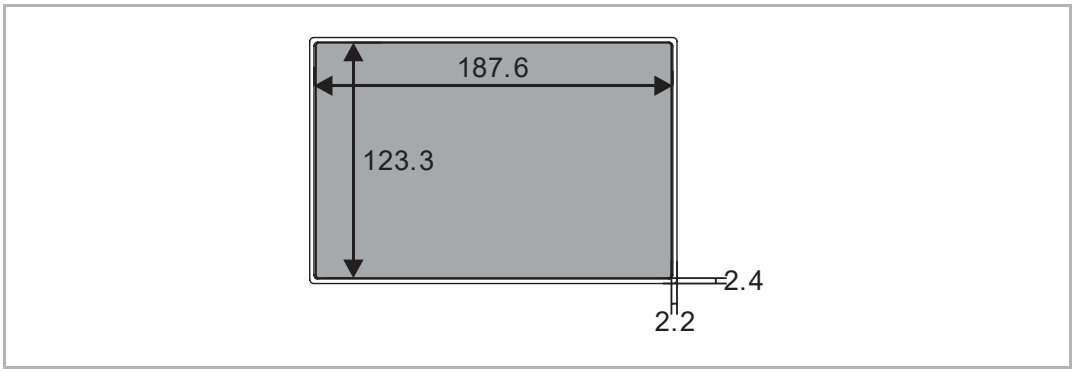
7.3 Installation height



7.4 Surface-mounted installation

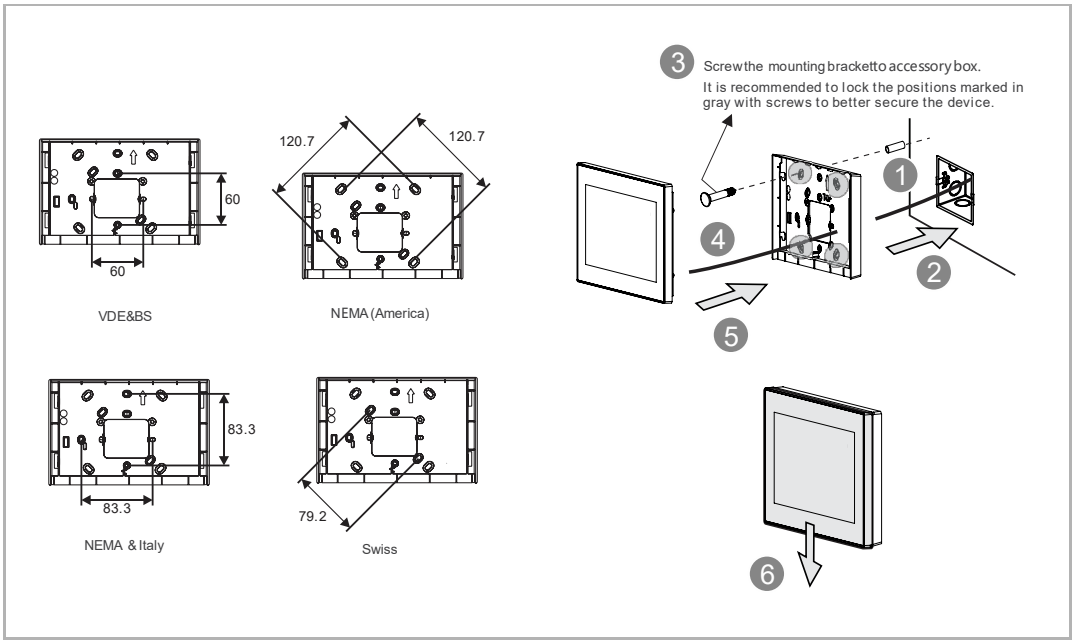
7.4.1 Surface mounting box size

(Unit: mm)



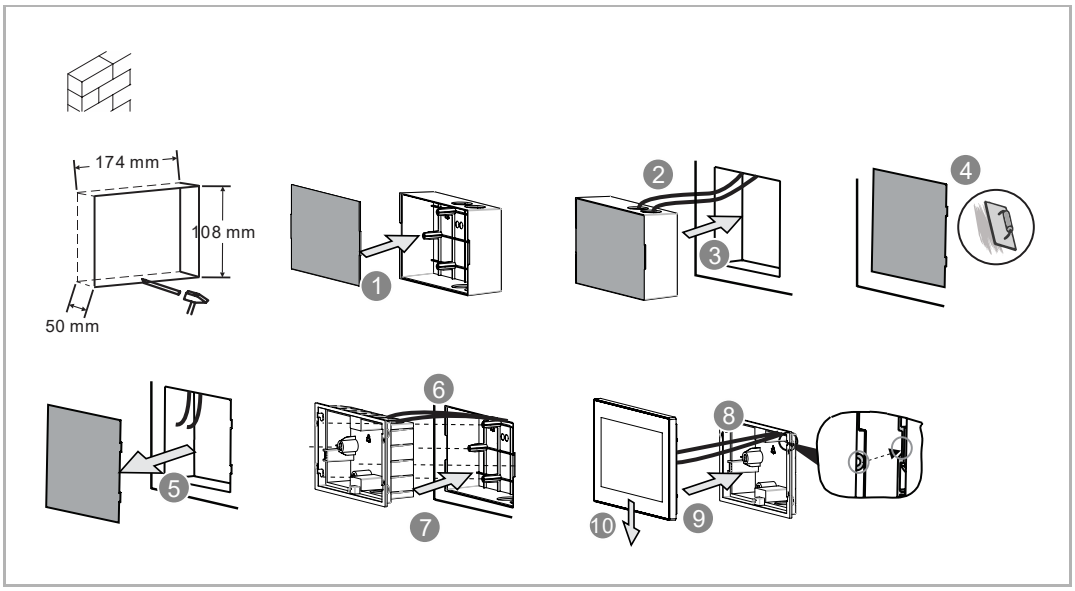
7.4.2 Surface mounted with the electrical accessory box

(Unit: mm)



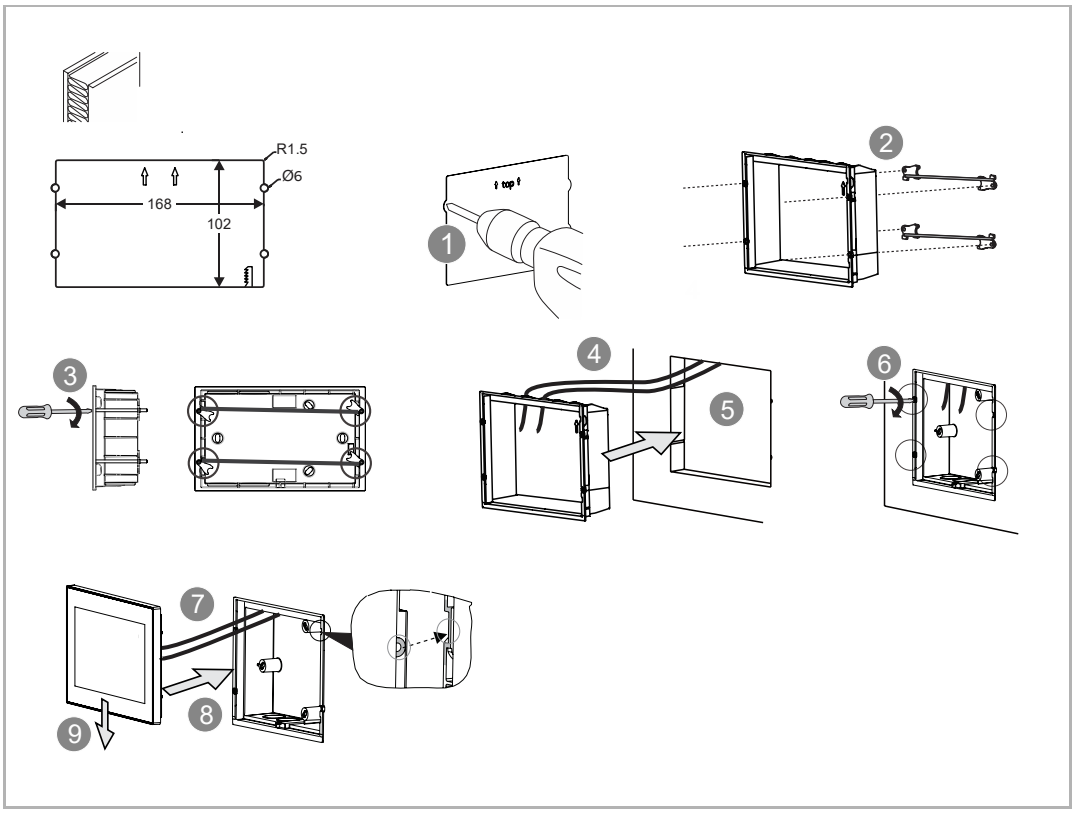
7.5 Flush-mounted installation

(Unit: mm)

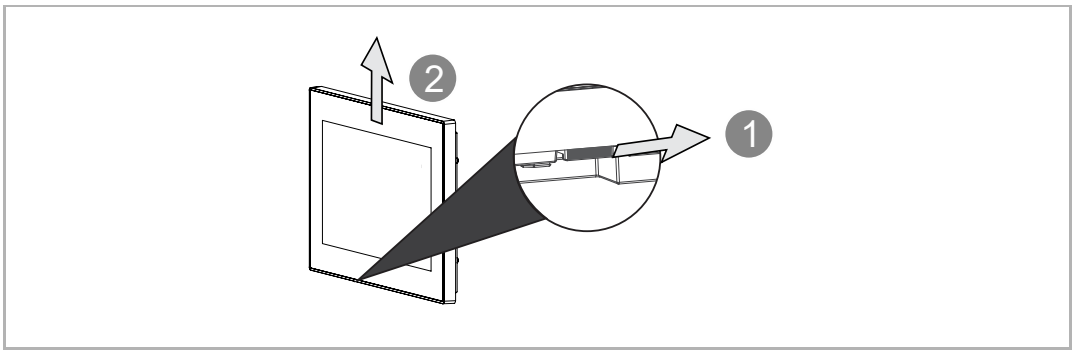


7.6 Cavity wall installation

(Unit: mm)



7.7 Dismantling



8 Commissioning

8.1 Wizard setup

8.1.1 Configuration without SmartAP

This configuration applies to "Single family house" case without SmartAP.

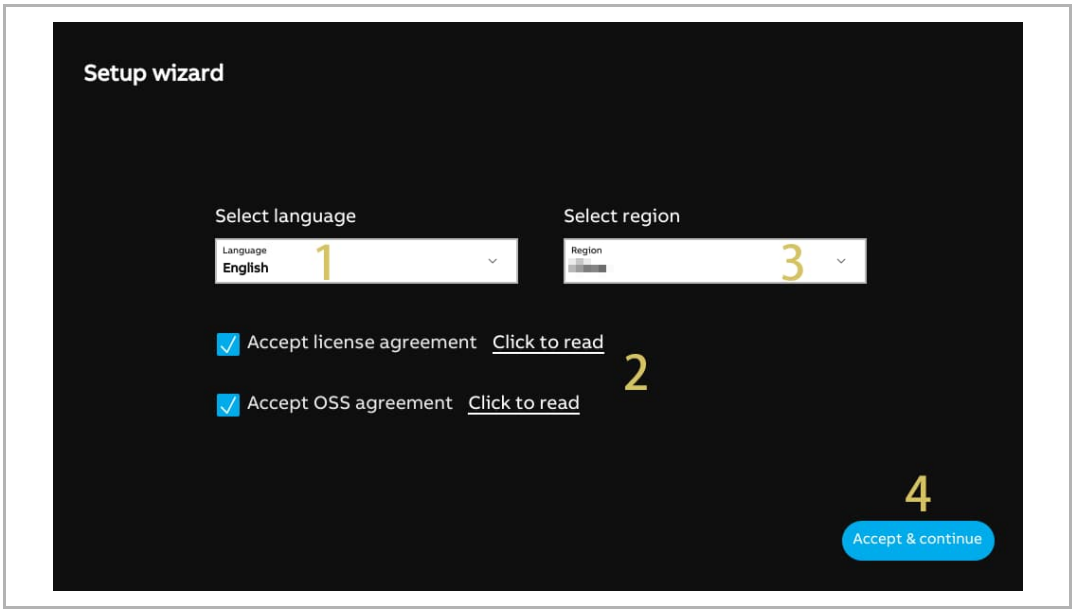
Please follow the steps below:

[1] On the "Setup wizard" screen, select the language from the drop-down list.

[2] Tick the check box to accept the licenses. Or tap "Click to read" to view the details of the license.

[3] Select the region from the drop-down list.

[4] Tap "Accept & continue" to access the next screen.



[5] In this case, select "Panel set-up for single family house".

- Tap " " to see more details.

[6] Tap "Continue".

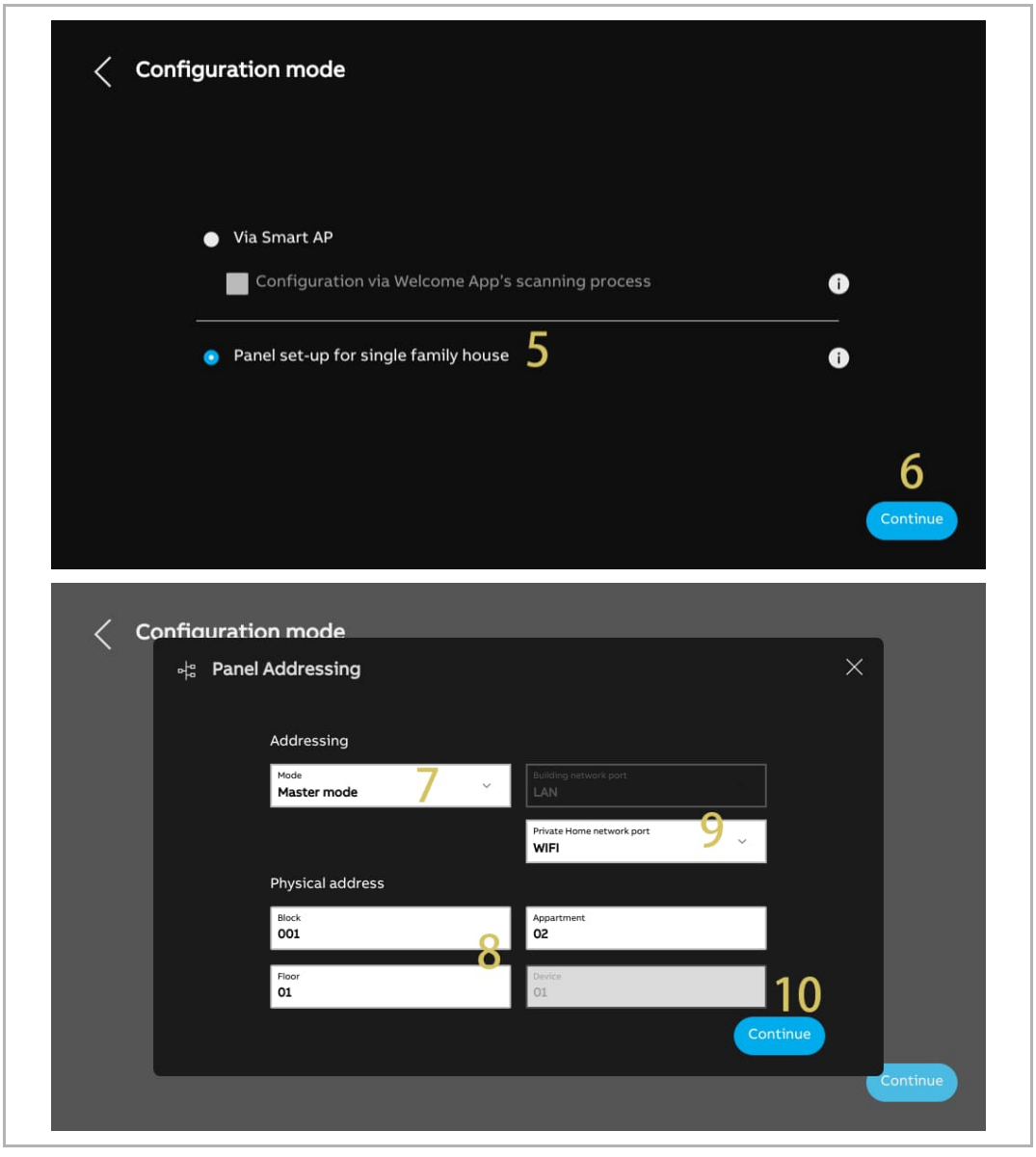
[7] On the "Panel Addressing" screen, select mode for the panel. It can be set to "Master mode" or "Subsidiary mode". Only one Indoor Station can be set to "Master mode" in the same apartment.

[8] Enter the block number, the floor number and the room number.

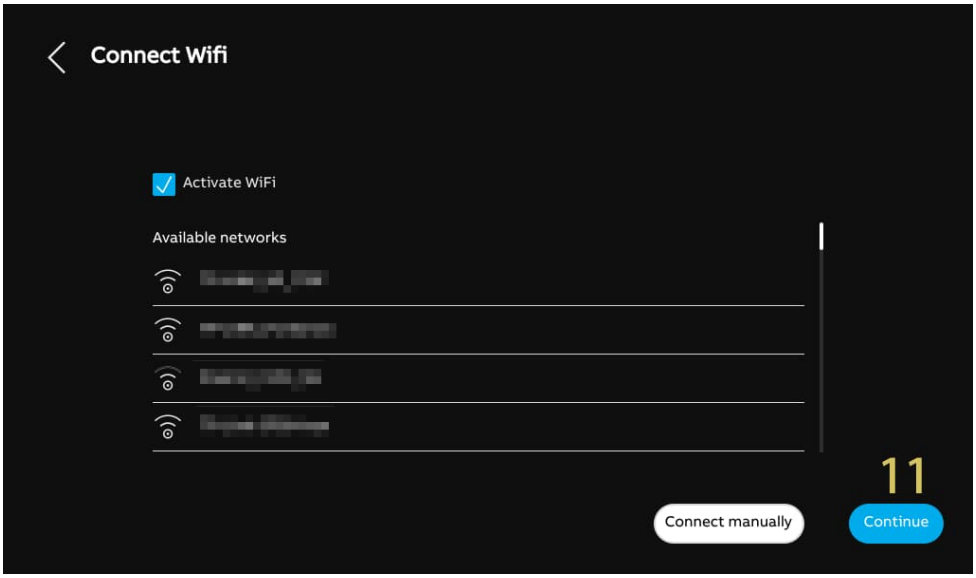
- If the panel is set to "Subsidiary mode", you need to enter the device number.

[9] Select home network port for this panel. It can be set to "WiFi" or "LAN".

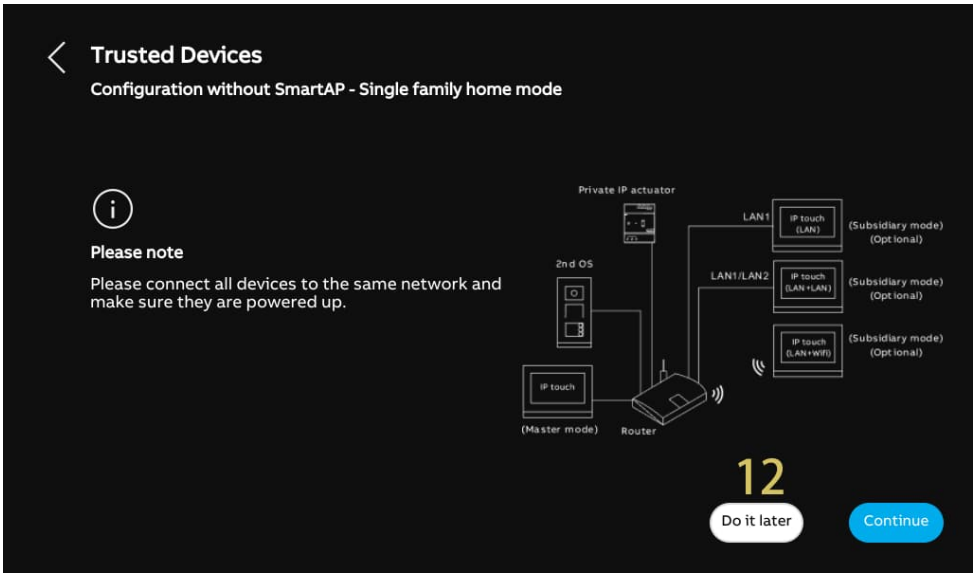
[10] Tap "Continue".



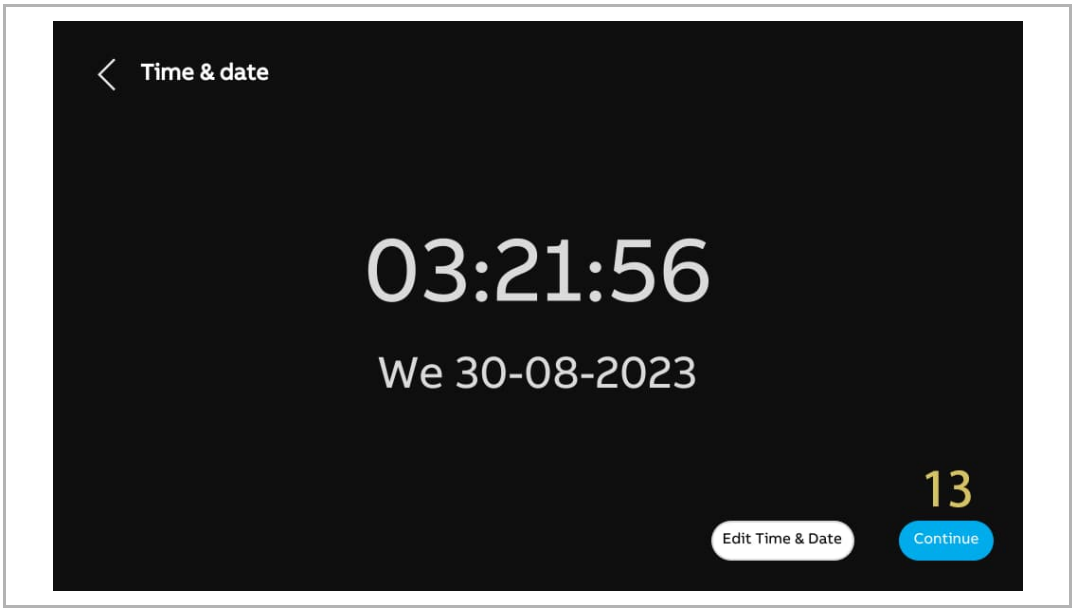
[11]On the "Connect WiFi" screen, tap "Continue" to skip this setting first.



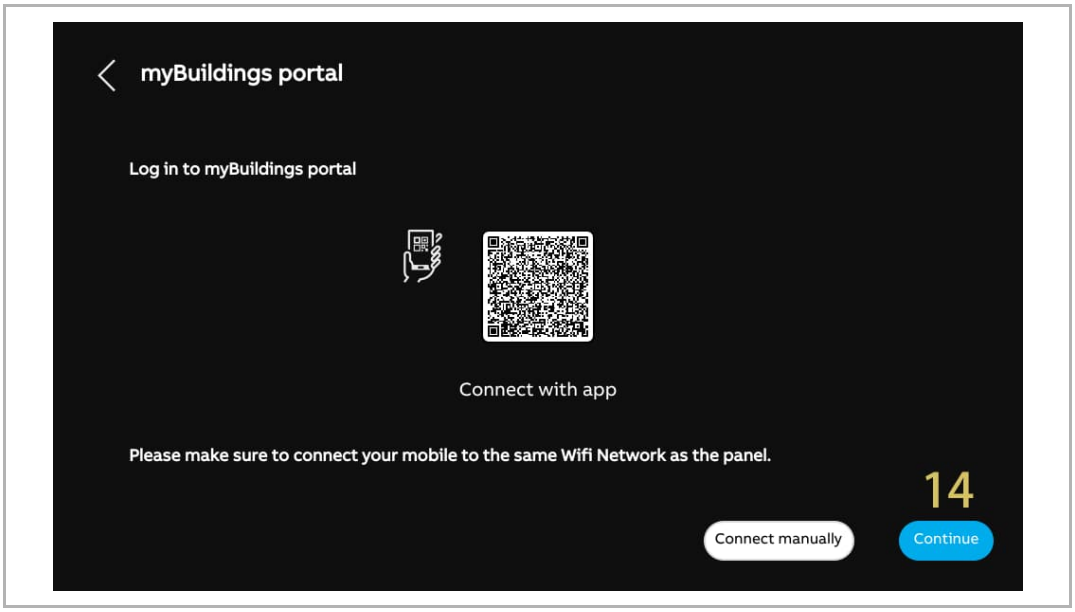
[12]On the "Trusted Devices" screen, tap "Do it later" to skip this setting first.



[13]On the "Time & date" screen, tap "Continue" to skip this setting first.



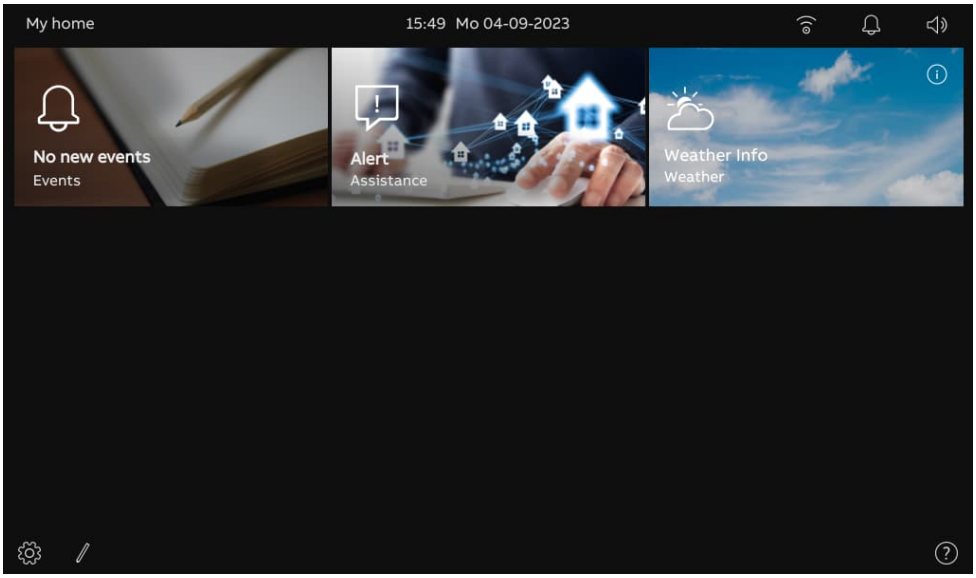
[14]On the "MyBuildings portal" screen, tap "Continue" to skip this setting first.



[15]There are 4 screens to guide you how to use the panel.

[16]Tap "Skip" if you have already been familiar with the panel.

Now, the dashboard will be displayed on the screen.



8.1.2 Configuration via SmartAP

This configuration applies to the case using the SmartAP in the system.

Please follow the steps below:

[1] On the "Setup wizard" screen, select the language from the drop-down list.

[2] Tick the check box to accept the licenses. Or tap "Click to read" to view the details of the license.

[3] Select the region from the drop-down list.

[4] Tap "Accept & continue" to access the next screen.

[5] In this case, select "via SmartAP".

- Tap " " to see more details.
- If "Configuration via Welcome APP's scanning process" is enabled, please continue from step 11. Otherwise continue from step 6.

[6] Tap "Continue".

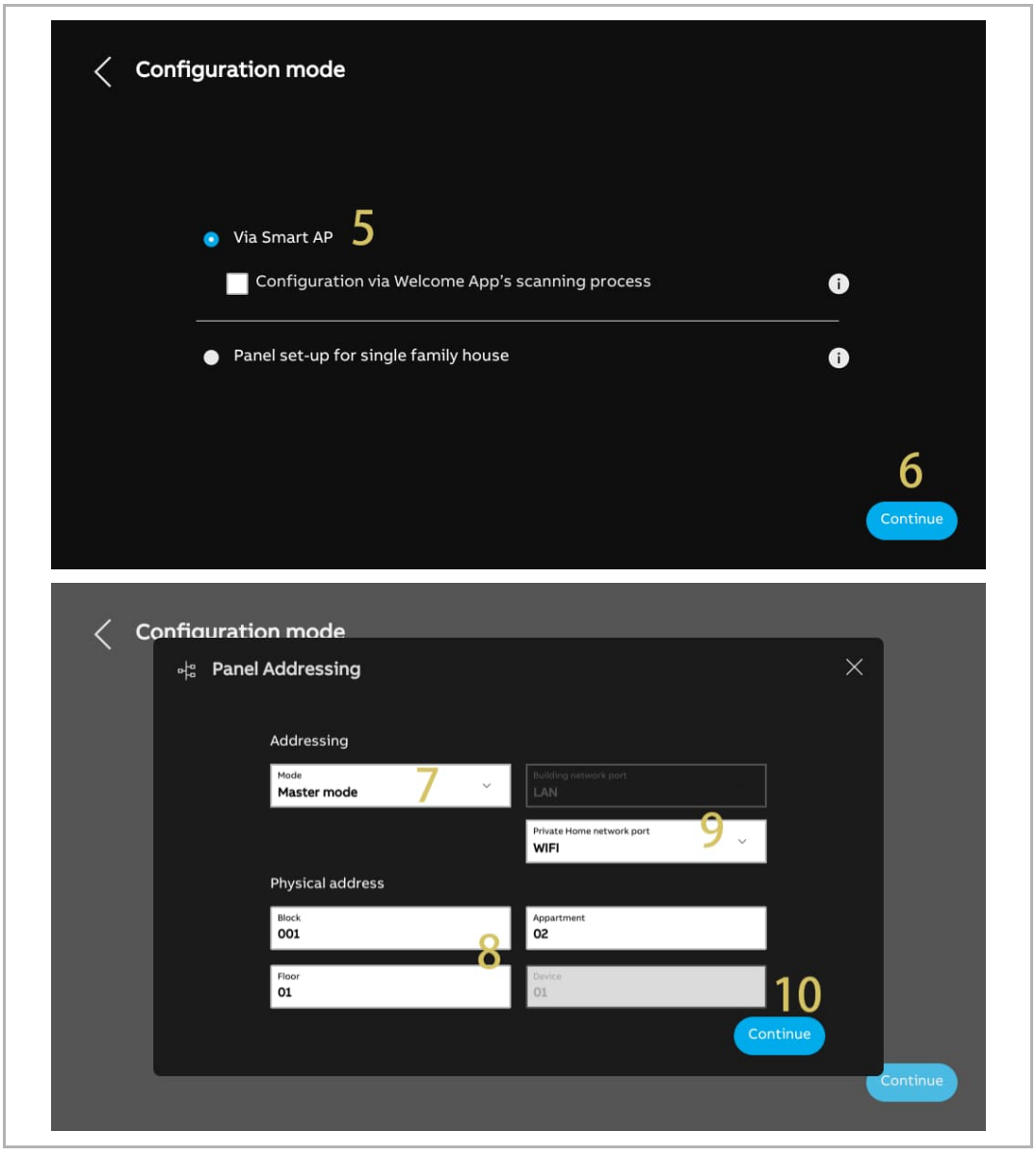
[7] On the "Panel Addressing" screen, select mode for the panel. It can be set to "Master mode" or "Subsidiary mode". Only one Indoor Station can be set to "Master mode" in the same apartment.

[8] Enter the block number, the floor number and the room number.

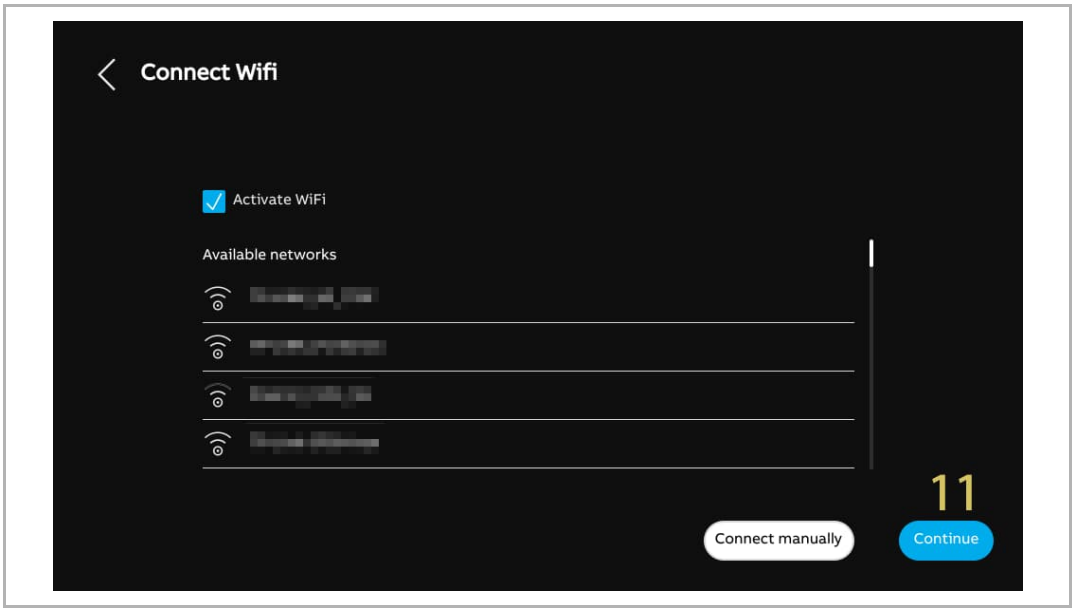
- If the panel is set to "Subsidiary mode", you need to enter the device number.

[9] Select home network port for this panel. It can be set to "WiFi" or "LAN".

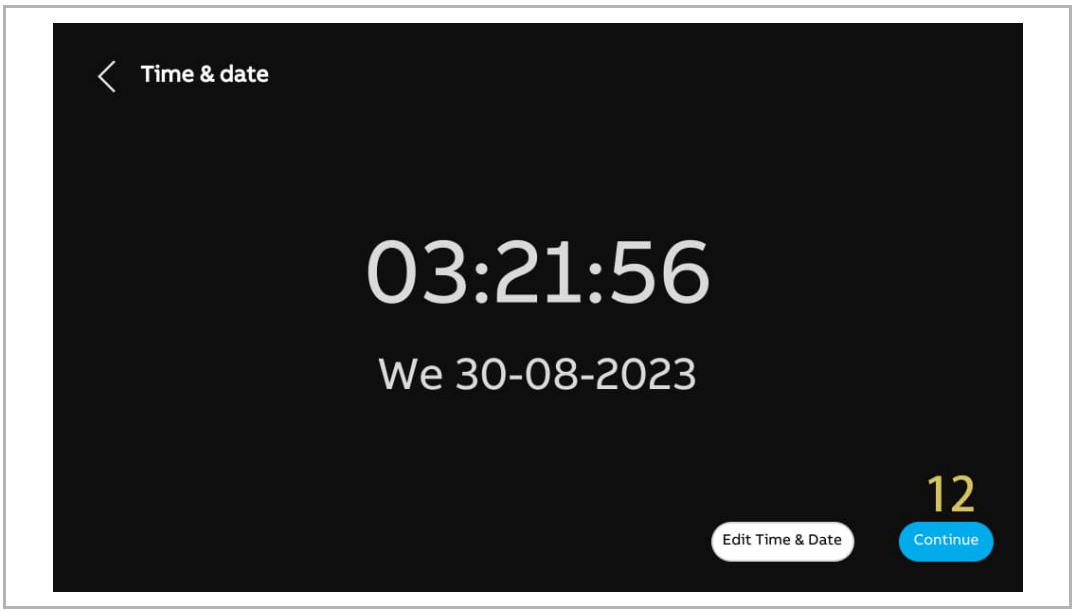
[10] Tap "Continue".



[11]On the "Connect WiFi" screen, tap "Continue" to skip this setting first.



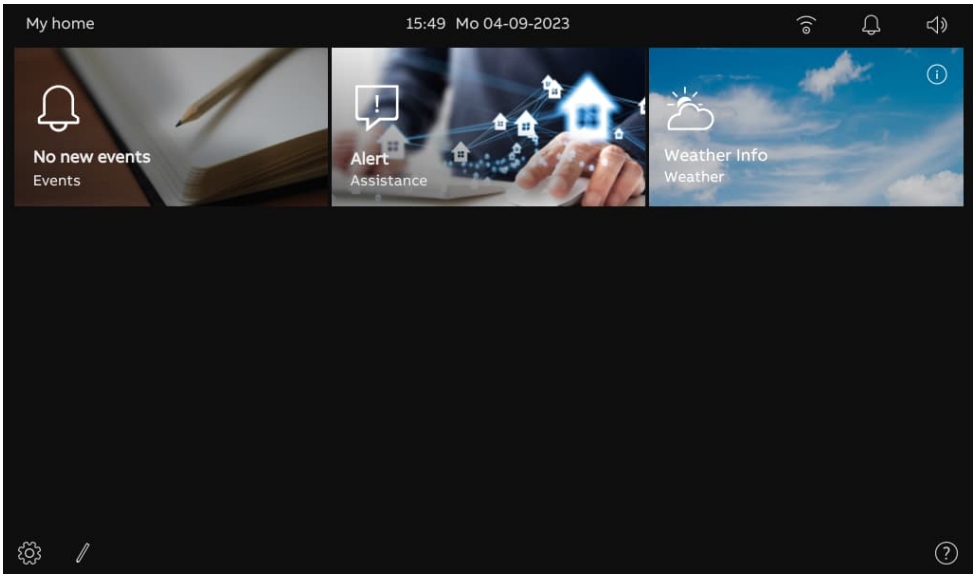
[12]On the "Time & date" screen, tap "Continue" to skip this setting first.



[13]There are 4 screens to guide you how to use the panel.

[14]Tap "Skip" if you have already been familiar with the panel.

Now, the dashboard will be displayed on the screen.



8.1.3 APP scanning setup

The physical address of the panel can be entered manually, it also can be obtained via APP scanning.

There are 2 steps as follow:

[1] Creating a building structure on APP, see chapter 8.1.4 “Creating a building structure on APP“ on page 27.

[2] Importing the building structure from APP to SmartAP, see chapter 8.1.5 “Importing the building structure from APP to SmartAP“ on page 31.

The panel will obtain the physical address automatically after APP scanning setup.

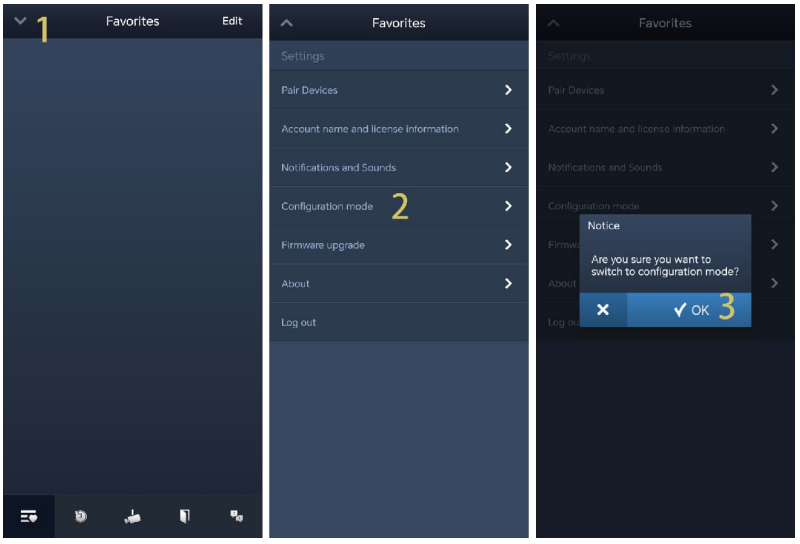
8.1.4 Creating a building structure on APP

Please follow the steps below:

[1] On the home screen of APP, tap " ".

[2] Tap "Configuration mode".

[3] Tap "OK" to access configuration mode.



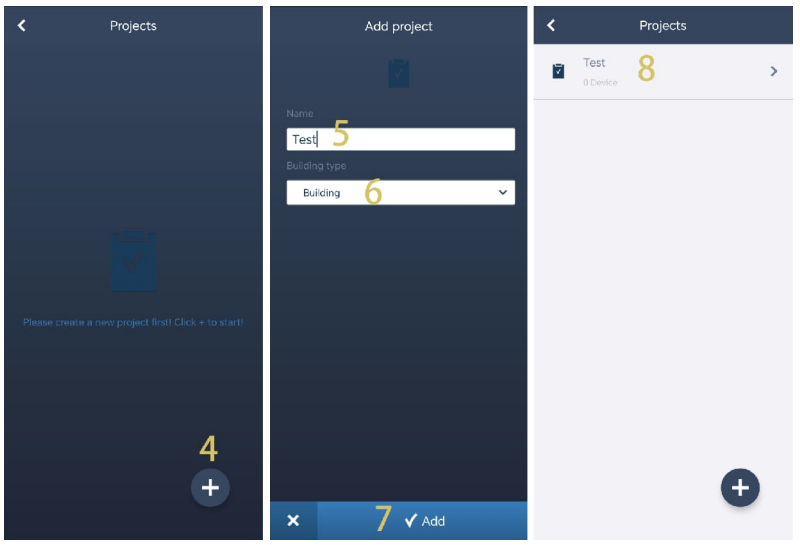
[4] On the "Projects" screen, tap " ".

[5] On the "Add project" screen, enter the project name.

[6] Select the building type from the drop-down list. It can be set to "Building" or "Residential".

[7] Tap "Add" to create a new project.

[8] Tap the designated project.



[9] On the designated project screen, tap " ".

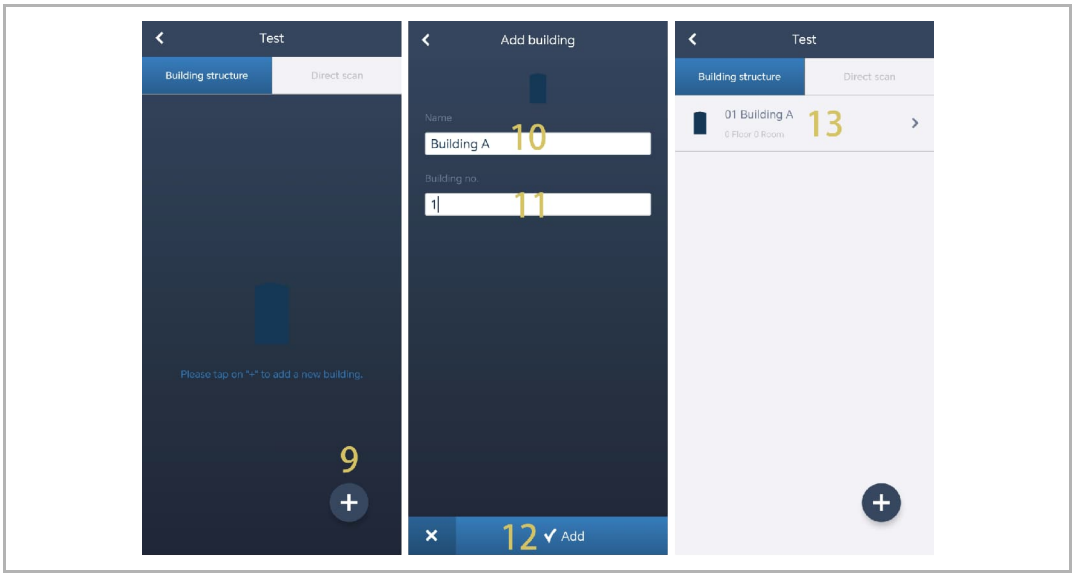
[10]On the "Add building" screen, enter the building name.

[11]Enter the building number.

[12]Tap "Add" to create a new building.

Repeat step 9~12 to create multi buildings.

[13]Tap the designated building.



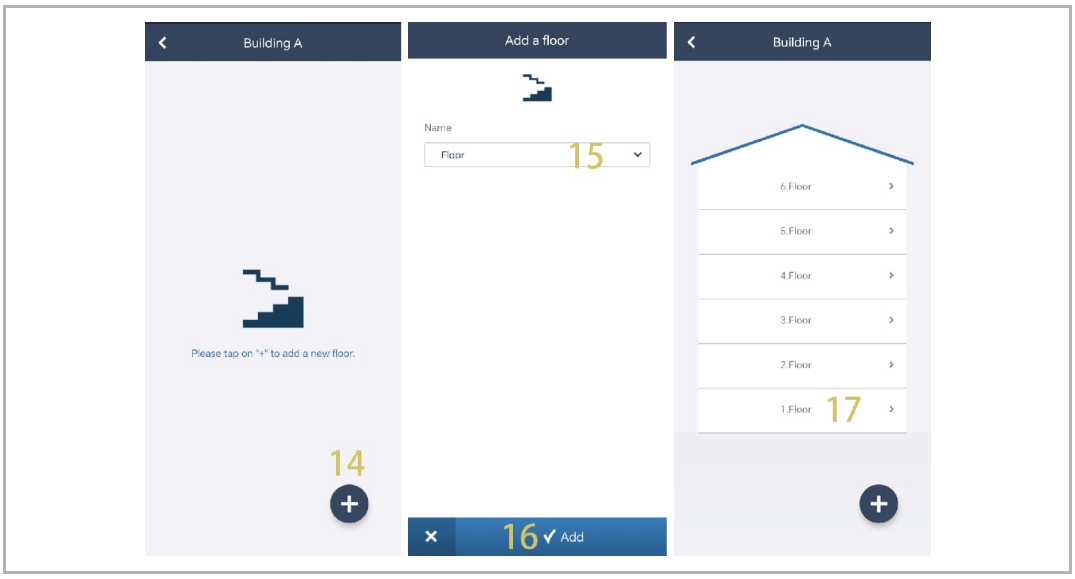
[14]On the designated building screen, tap " ".

[15]On the "Add a floor" screen, select the floor name from the drop-down list. It can be set to "Floor" or "Ground floor".

[16]Tap "Add" to create a new floor.

Repeat step 15~16 to create multi floors for the designated building.

[17]Tap the designated floor.



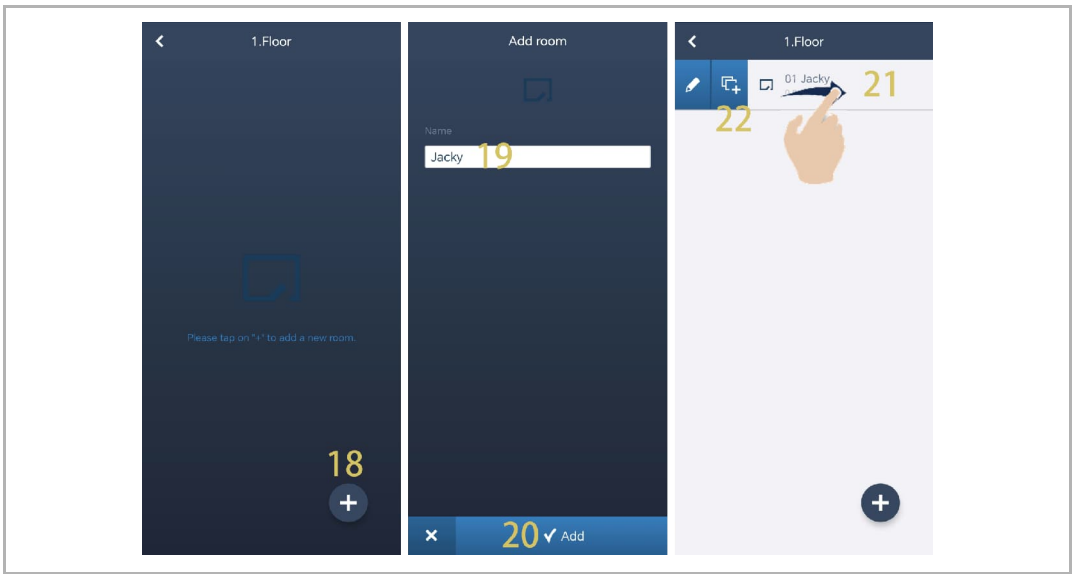
[18]On the designated floor screen, tap " " to add a room.

[19]Enter the alias name for the designated room.

[20]Tap "Add" to create a new room.

[21]On the designated floor screen, swipe a room name to the right.

[22]Tap " " to create multi rooms in batch.



[23]Enter the duplicate number.

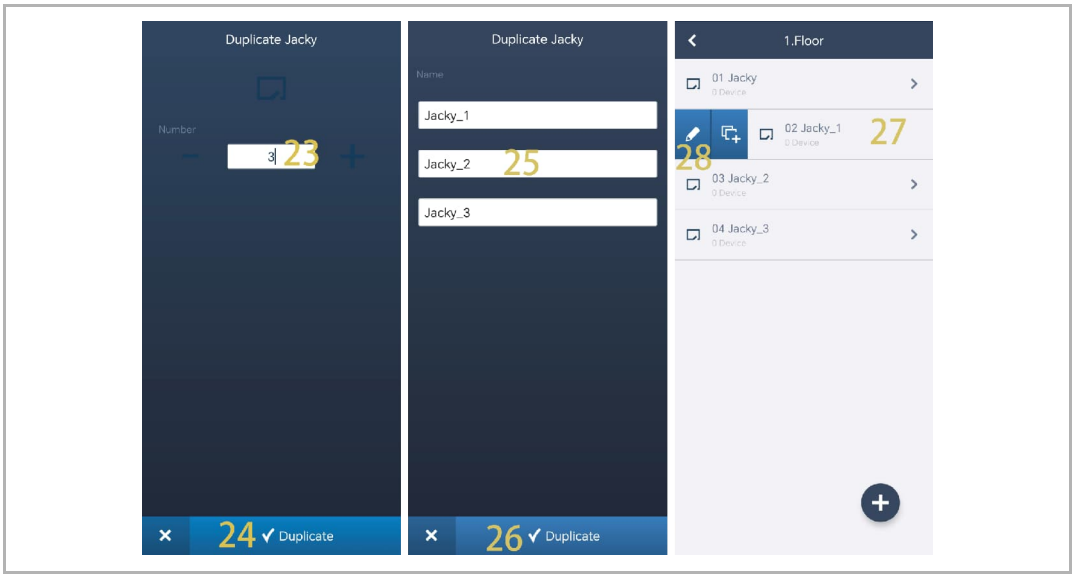
[24]Tap "Duplicate".

[25]Enter the alias name for each room now or do it later.

[26]Tap "Duplicate".

[27]On the designated floor screen, swipe the designated room name to the right.

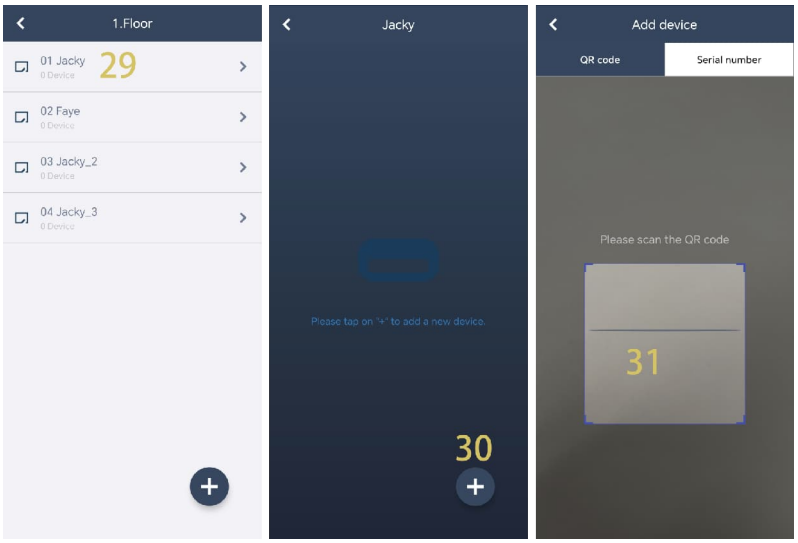
[28]Tap " " to set the alias name for the designated room.



[29]On the designated floor screen, tap the designated room.

[30]On the designated room screen, tap " ".

[31]On the "Add device" screen, scan the QR code which is sticked on the back of the panel.



[32]On the "Device" screen, serial number of the device will be displayed.

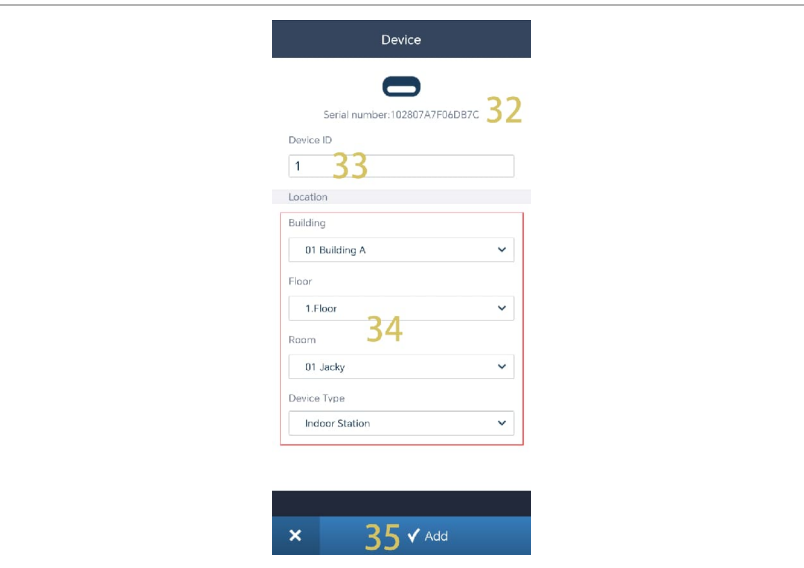
[33]On the "Device" screen, enter the device ID.

- If the panel needs to be set to "Master mode", device ID must be set to 1.
- If the panel needs to be set to "Subsidiary mode", device ID can be set to 2...32.

[34]It is recommended to make a sticker according to the location information and paste this sticker onto the back of the panel.

[35]Tap "Add" to add a new device.

Repeat step 17~35 to add multiple devices.

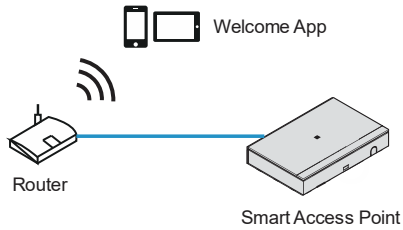


8.1.5 Importing the building structure from APP to SmartAP

- SmartAP can import the building created on App.
- You can import one building once or several buildings in batch.

Precondition

- APP must be in the same network with SmartAP.
- The building structure has been created on App.



Importing rule

Building structure will be overwritten according to the rules below:

- A, B, C, D, E, F means building number.
- B and B+ has the same building number.
- + means the building structure has been changed.

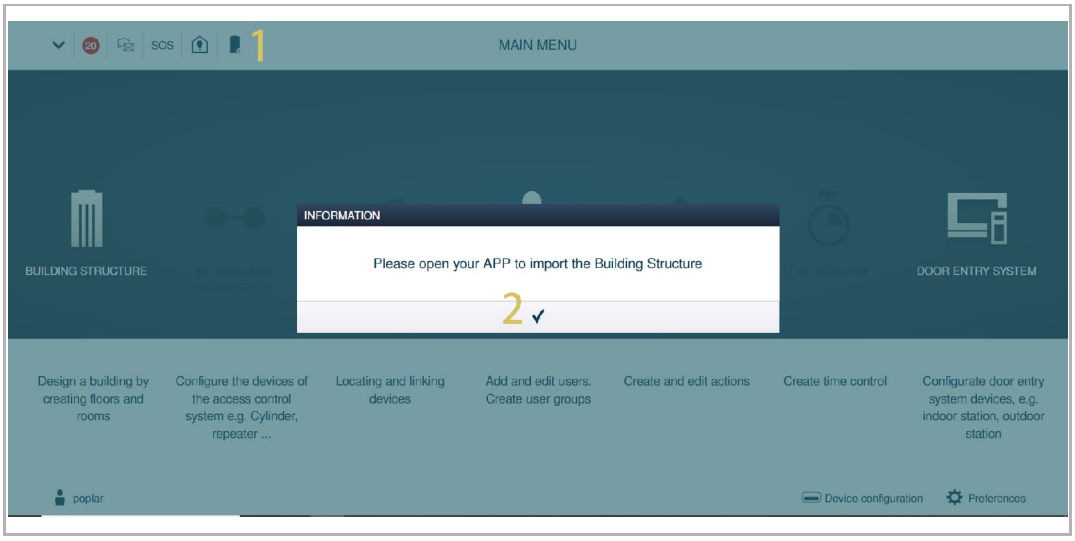
App	SmartAP before	SmartAP after
B+	A, B, C	A, B+, C
B+, C+	A, B, C	A, B+, C+
D, E, F	A, B, C	A, B, C, D, E, F

Importing process

Please follow the steps below:

[1] On the home screen of SmartAP, click " ".

[2] A pop-up window will appear, please keep the window and do not click " √ ".



[3] On the "Projects" screen of the APP, swipe the designated project name to the right.

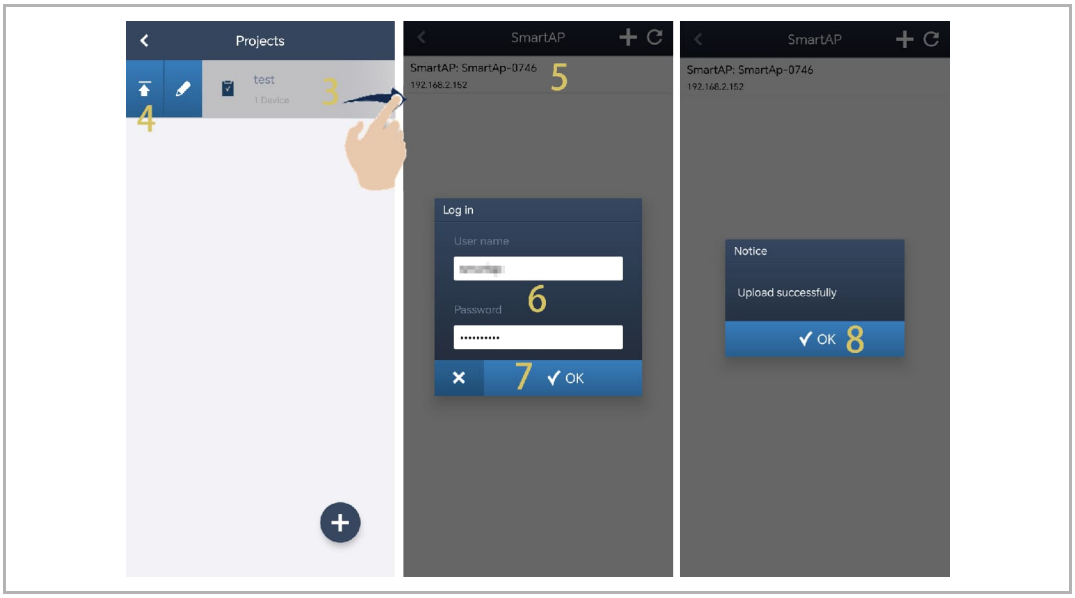
[4] Tap " ".

[5] Tap the designated SmartAP on the list.

[6] Enter the account and the password of the designated SmartAP.

[7] Tap "OK".

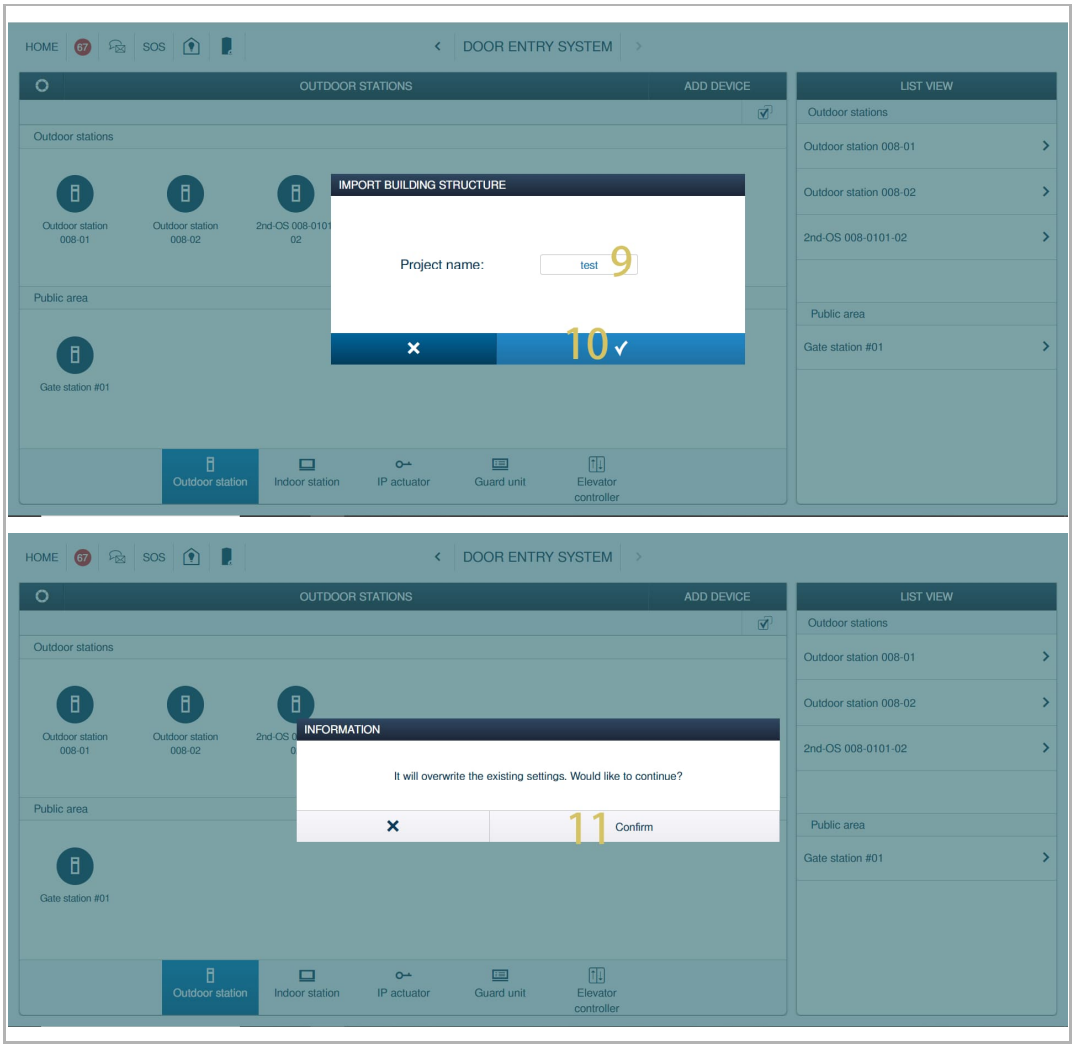
[8] "Upload successfully" will be displayed if success. Tap "OK".



[9] On the configuration screen of SmartAP, the project name will be displayed on the screen.

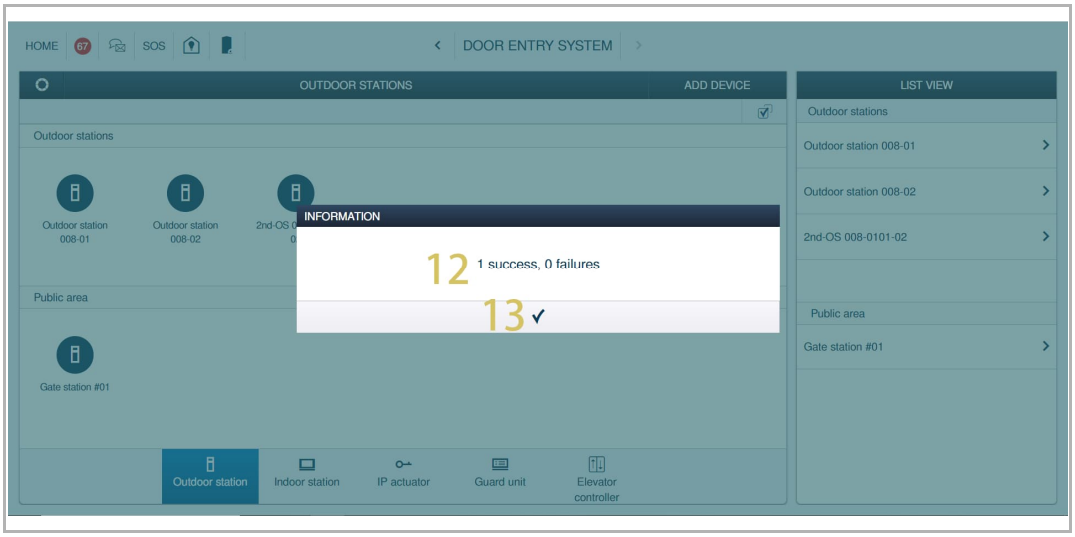
[10]Click " √ ".

[11]Click "Confirm".



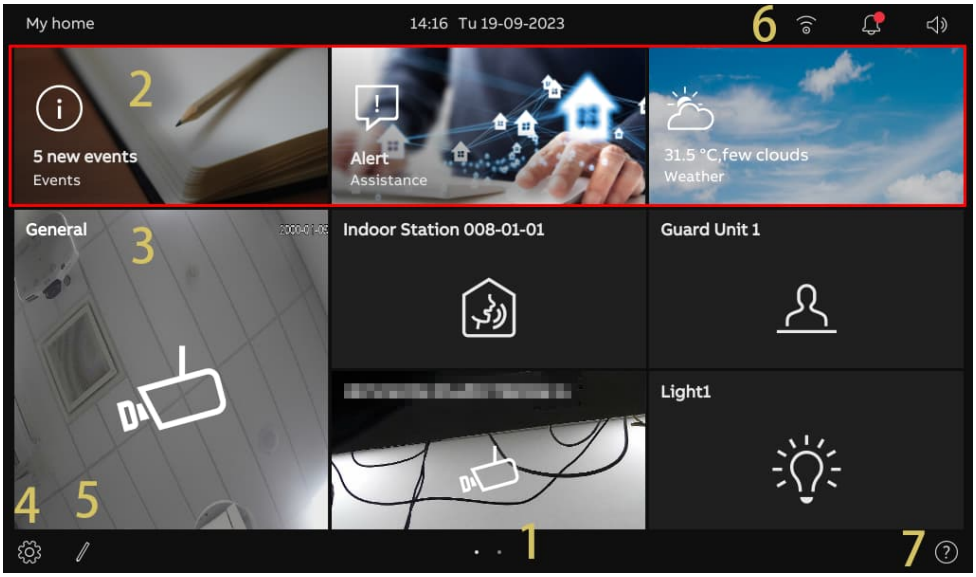
[12]The importing result will be displayed.

[13]Click " √ " to complete the importing.



8.2 Dashboard

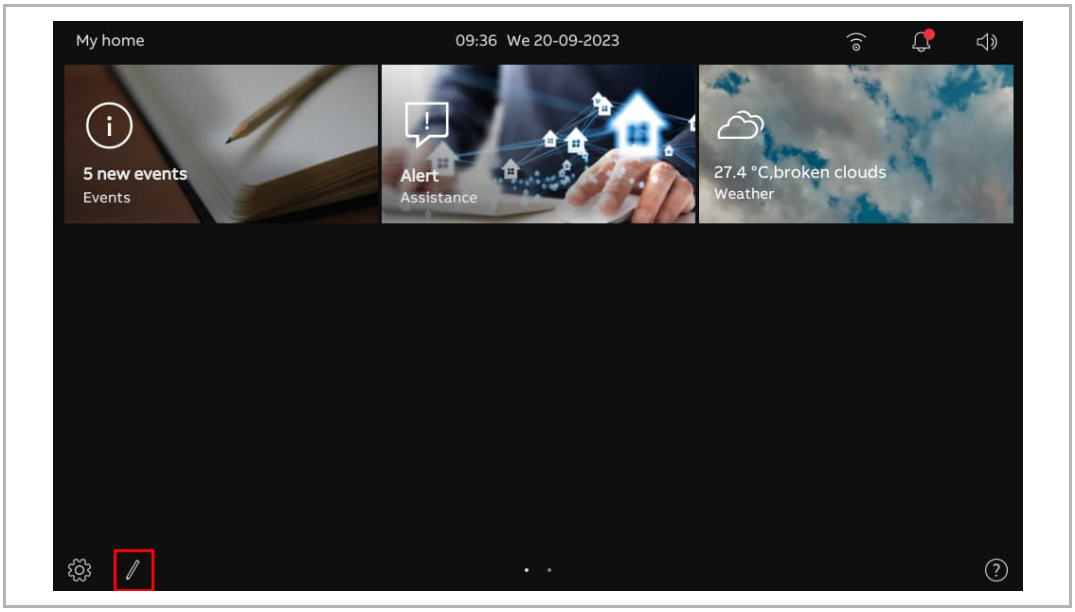
8.2.1 Dashboard overview



No.	Description
1	There are 2 screens available for use, the second screen is empty by default.
2	The three main functional modules are always fixed at the top of the first screen. ▪ **Events**, it indicates if there is a new event, for instance, you'll receive a call, or you have a missed call, see chapter 9.10 “History“ on page 166. ▪ **Alert**, you can tap it to send an alarm request, see chapter 9.9 “Sending an alarm request“ on page 165. ▪ **Weather**, it displays the current weather information.
3	Other controls for various sizes
4	Tap " ⚙ " to access the "Settings" screen.
5	Tap " ✎ " to edit the dashboard.
6	**Status bar** 🔔 = doorbell rings; 🔑 = "Auto Unlock" function is enabled; 📶 = WiFi is available 🔔 indicates missed calls, tap it to access the "Call History" screen. 🔊 indicates "Unmute" status, tap it to adjust the voice volume
7	Tap " ? " to view more details of the dashboard

8.2.2 Accessing the editing status

On the dashboard, tap " " to access the editing mode.



8.2.3 Creating a control for the camera

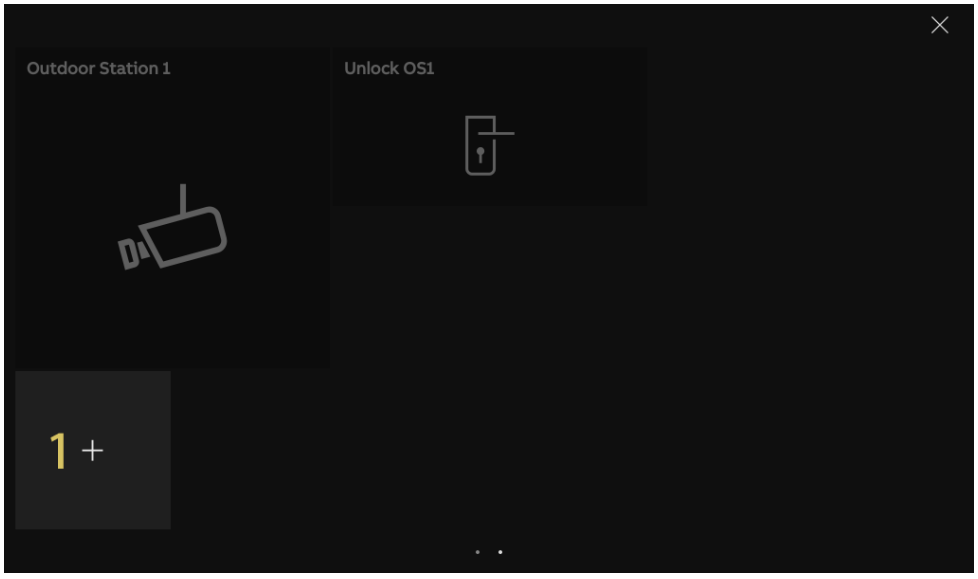
In this case we take "Outdoor Station Camera" as a sample. Please follow the steps below:

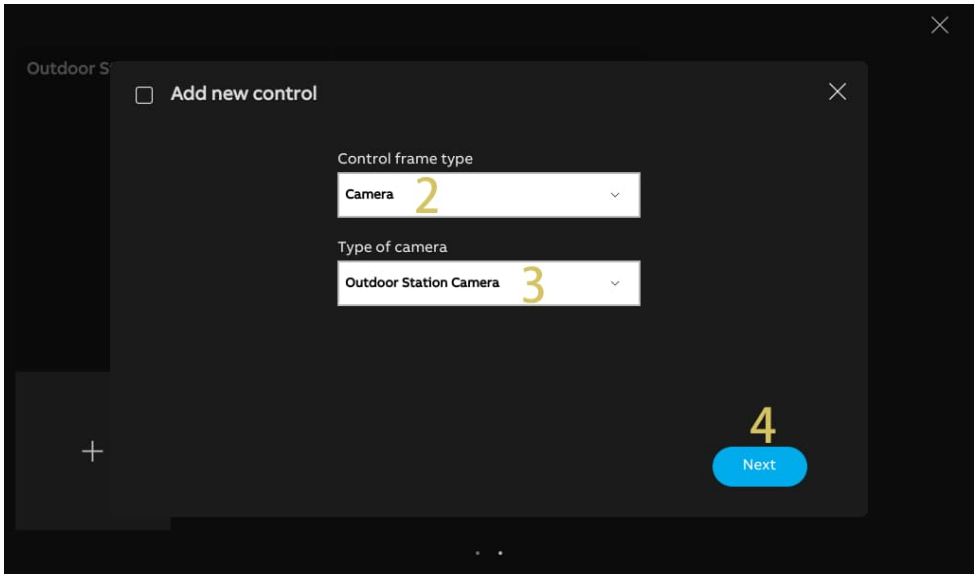
[1] Ensure the dashboard works in the editing mode, tap a blank area of dashboard, then tap " + " to add a control.

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

[3] Select the device type from the drop-down list. It can be set to "Outdoor Station Camera", "Public Camera" or "Private Camera".

[4] Tap "Next".





[5] In this case, select the designated Outdoor Station from the drop-down list.

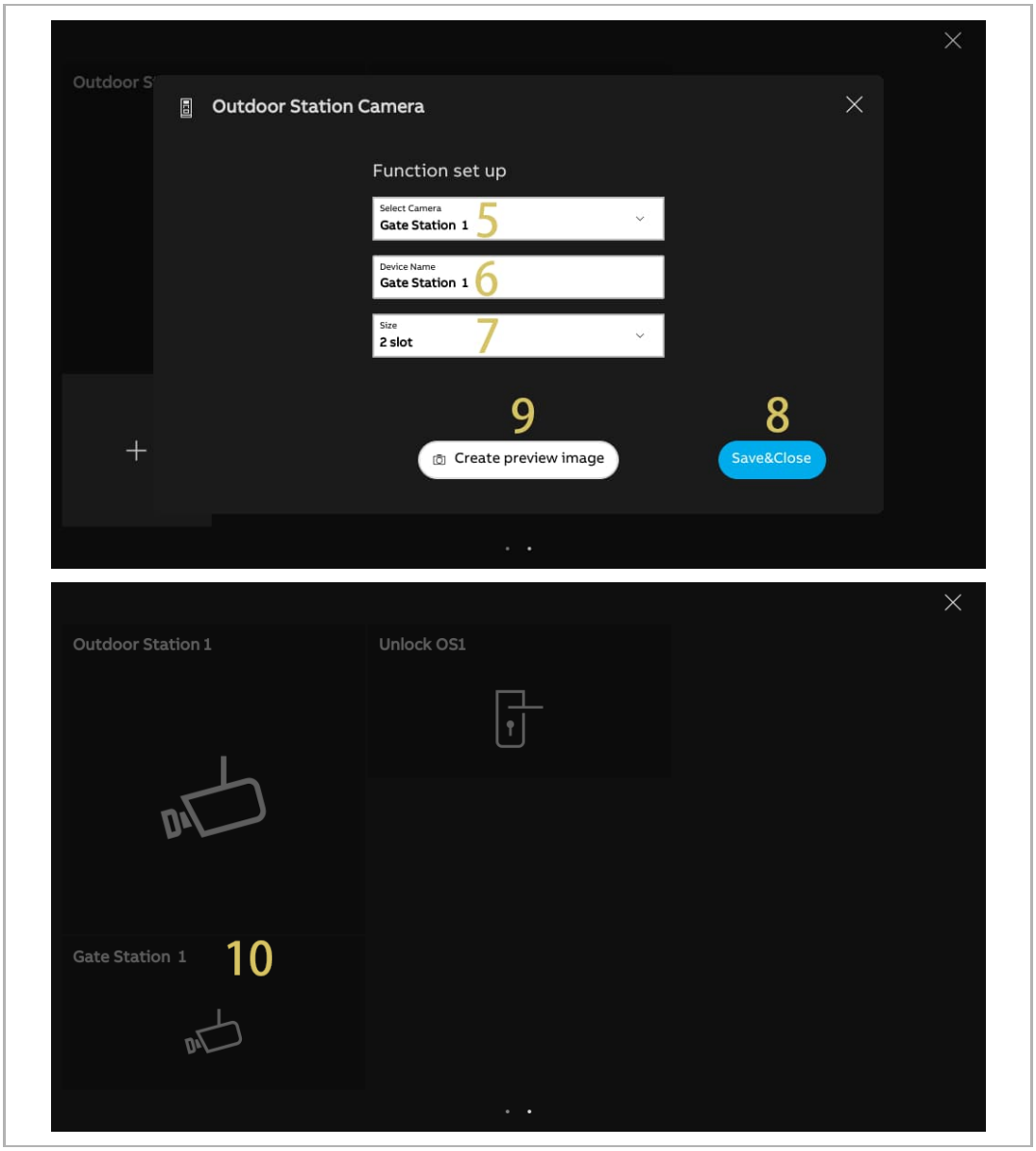
[6] Enter the alias name of the device.

[7] Select the size of the frame. It can be set to "1 slot", "2 slots" or "4 slots".

[8] Tap "Save & close".

[9] You can also tap "Create preview image" to create a cover for the control.

[10] Tap "x" on the top right corner of the screen to exit the editing mode, the designated frame will be displayed on the dashboard.



8.2.4 Creating a control for the intercom

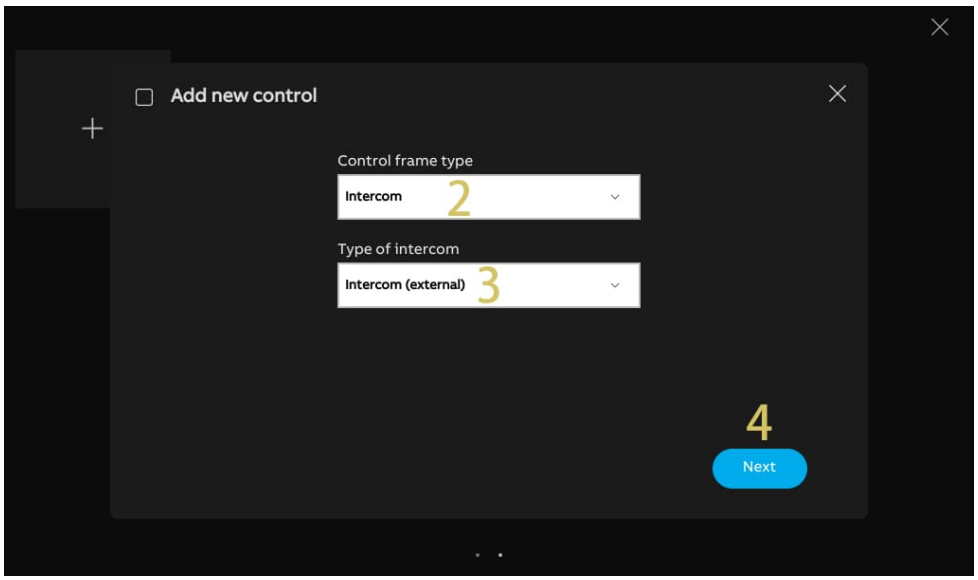
In this case we take "Intercom (external)" as sample. Please follow the steps below:

[1] Ensure the dashboard works in the editing mode, tap a blank area of dashboard, then tap " + " to add a control.

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

[3] Select the intercom type from the drop-down list. It can be set to "Intercom (external)", "Intercom (internal)" or "Guard Unit".

[4] Tap "Next".



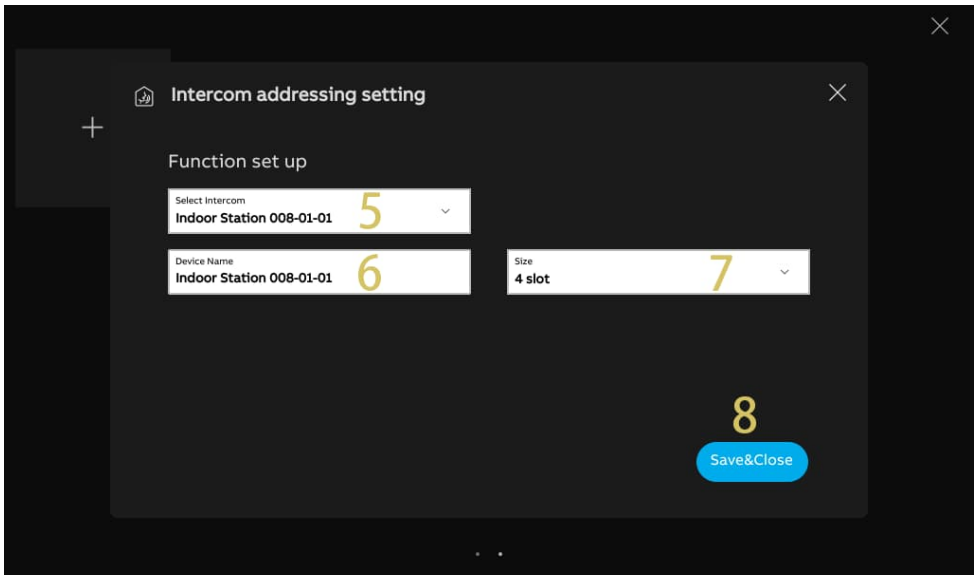
[5] In this case, select the designated panel from the drop-down list.

[6] Enter the alias name of the device.

[7] Select the size of the frame. It can be set to "1 slot", "2 slots" or "4 slots".

[8] Tap "Save & close".

[9] Tap "x" on the top right corner of the screen to exit the editing mode, the designated frame will be displayed on the dashboard.



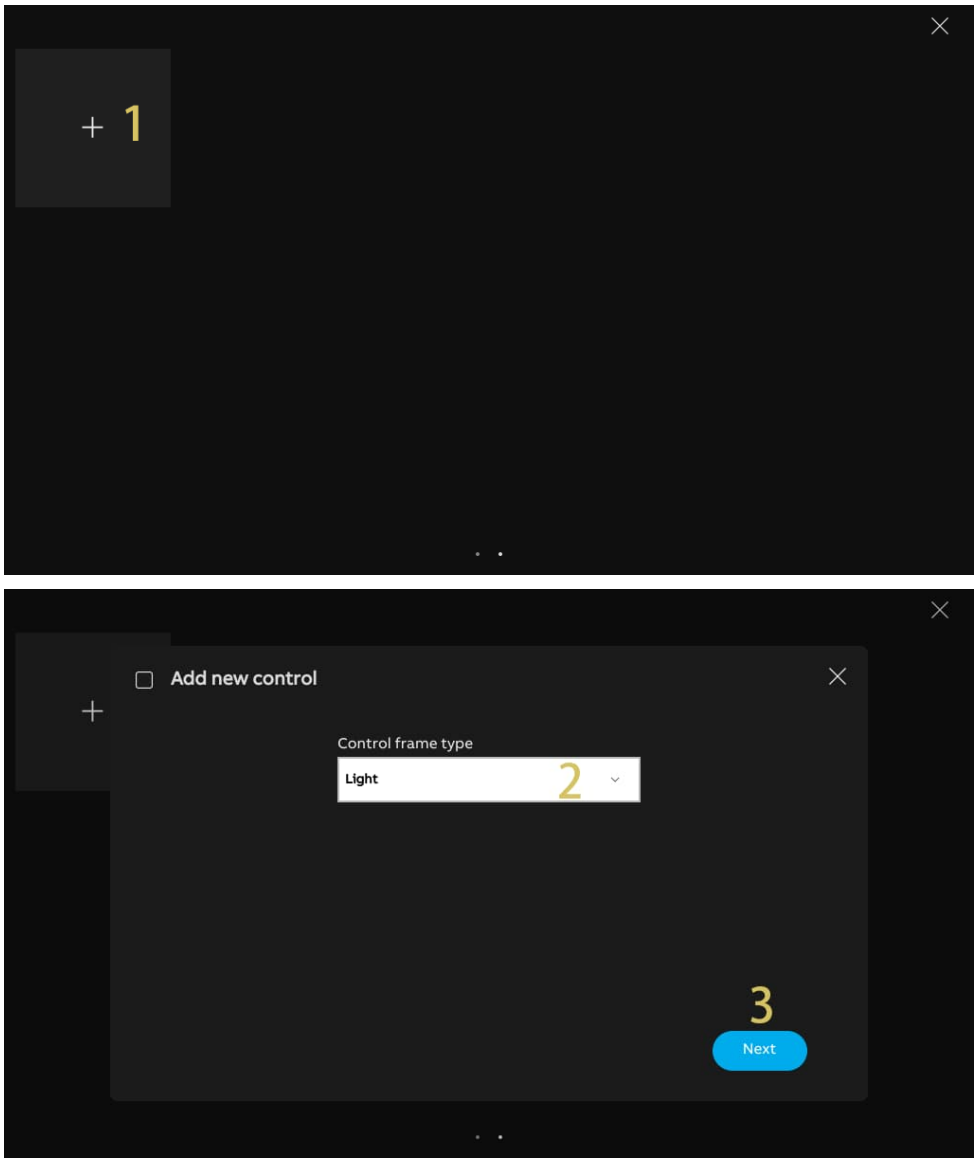
8.2.5 Creating a control for the light

Please follow the steps below:

[1] Ensure the dashboard works in the editing mode, tap a blank area of dashboard, then tap " + " to add a control.

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

[3] Tap "Next".



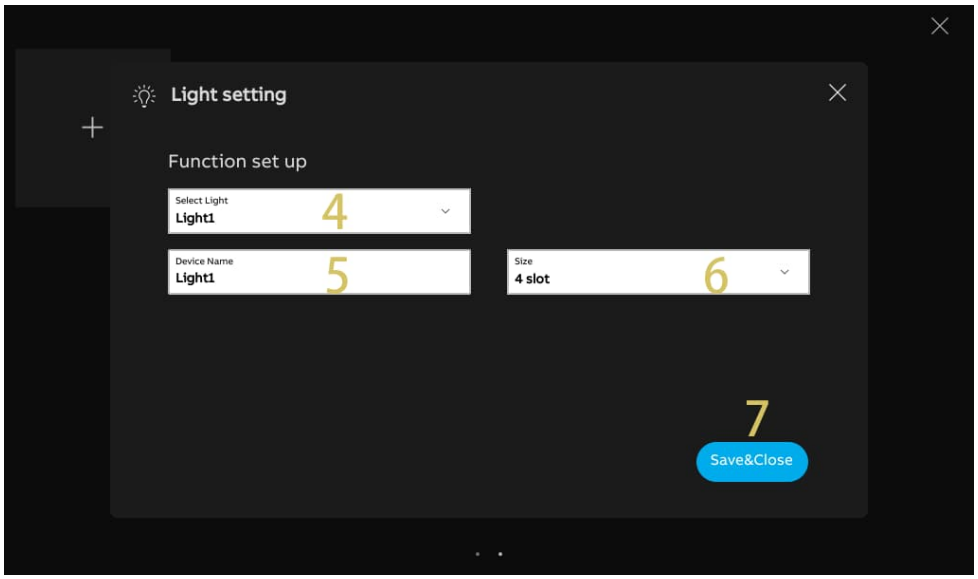
[4] Select the designated light from the drop-down list.

[5] Enter the alias name of the device.

[6] Select the size of the frame. It can be set to "1 slot", "2 slots" or "4 slots".

[7] Tap "Save & close".

[8] Tap "x" on the top right corner of the screen to exit the editing mode, the designated frame will be displayed on the dashboard.



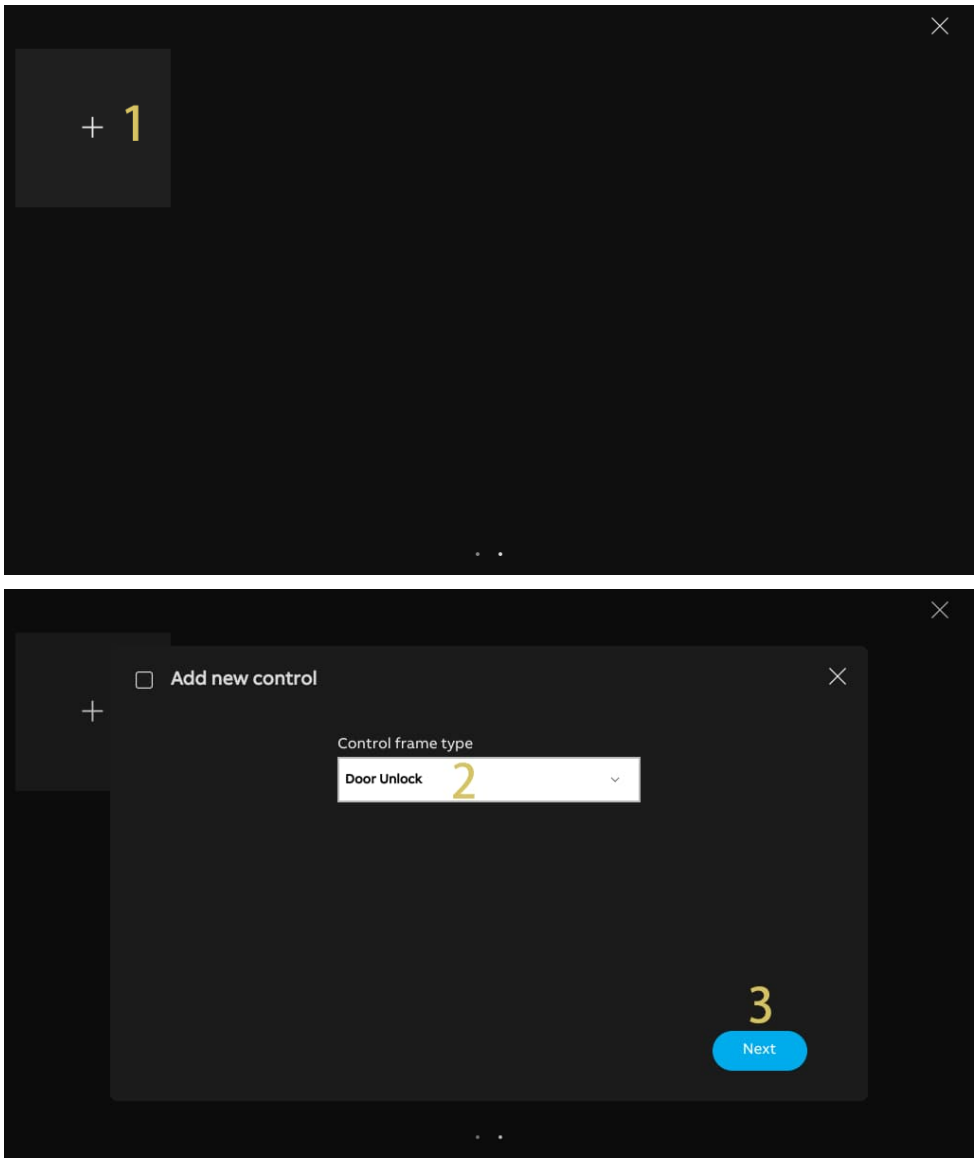
8.2.6 Creating a control for the door lock

Please follow the steps below:

[1] Ensure the dashboard works in the editing mode, tap a blank area of dashboard, then tap " + " to add a control.

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

[3] Tap "Next".



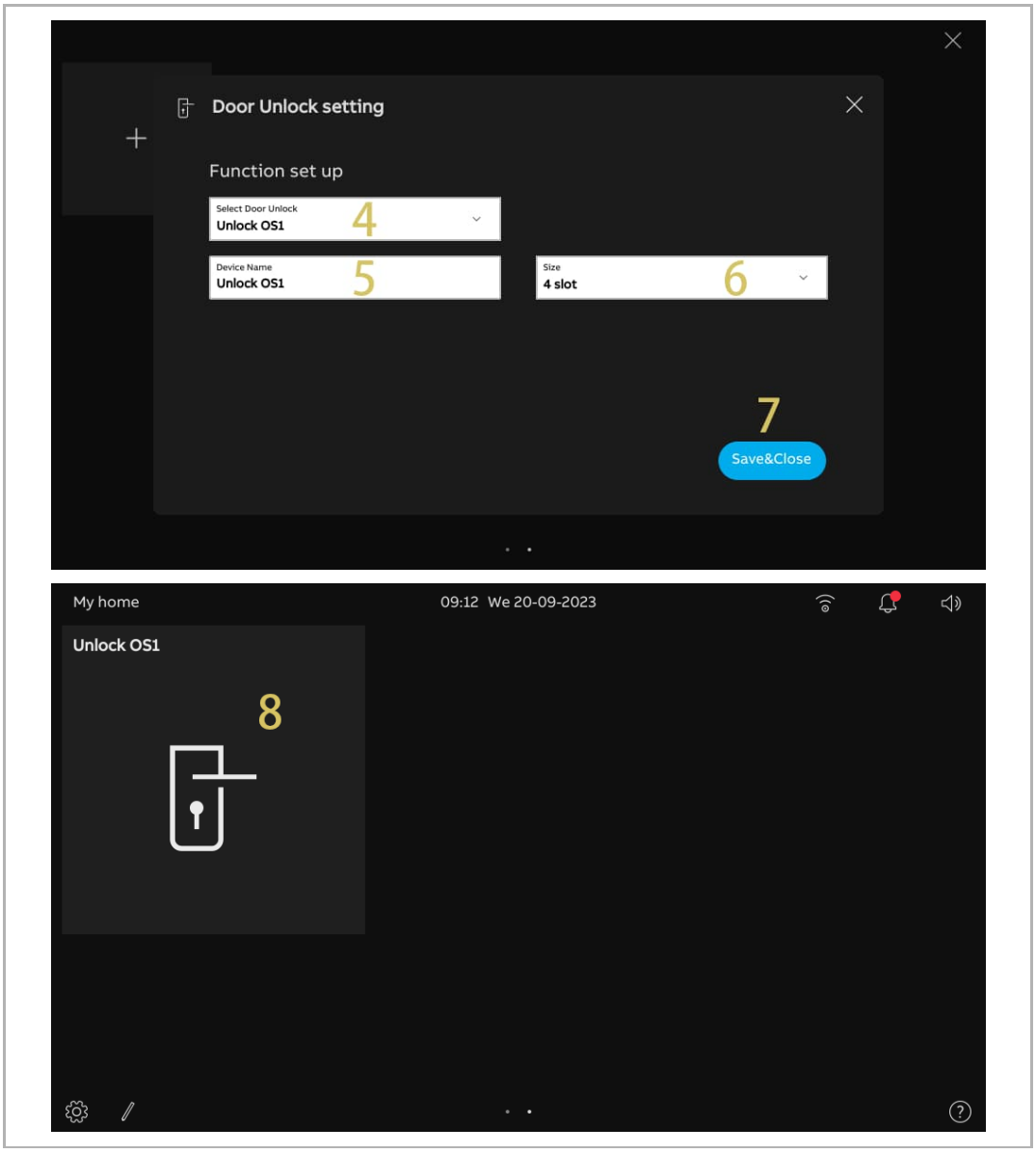
[4] Select the designated Outdoor Station from the drop-down list.

[5] Enter the alias name of the device.

[6] Select the size of the frame. It can be set to "1 slot", "2 slots" or "4 slots".

[7] Tap "Save & close".

[8] Tap "x" on the top right corner of the screen to exit the editing mode, the designated frame will be displayed on the dashboard.



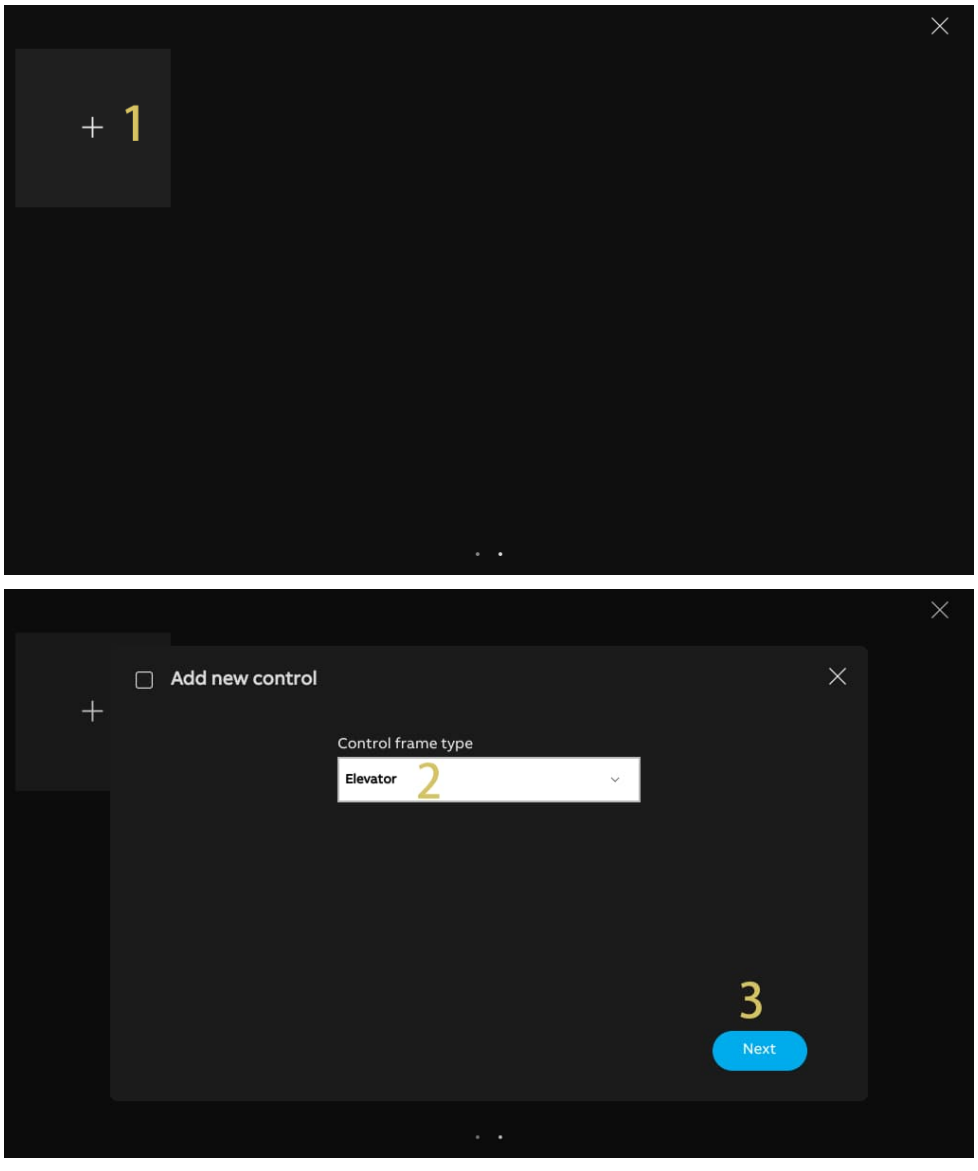
8.2.7 Creating a control for the elevator

Please follow the steps below:

[1] Ensure the dashboard works in the editing mode, tap a blank area of dashboard, then tap " + " to add a control.

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

[3] Tap "Next".

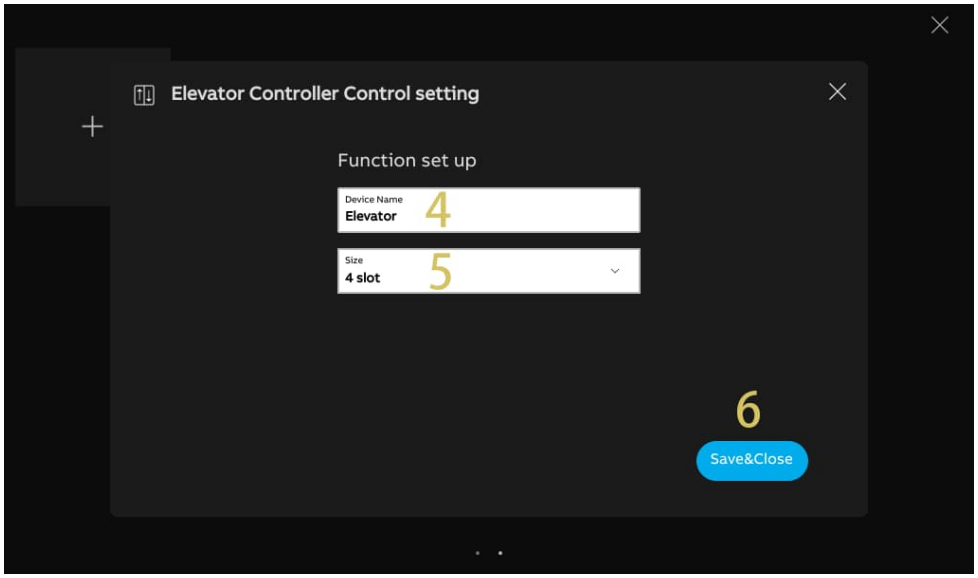


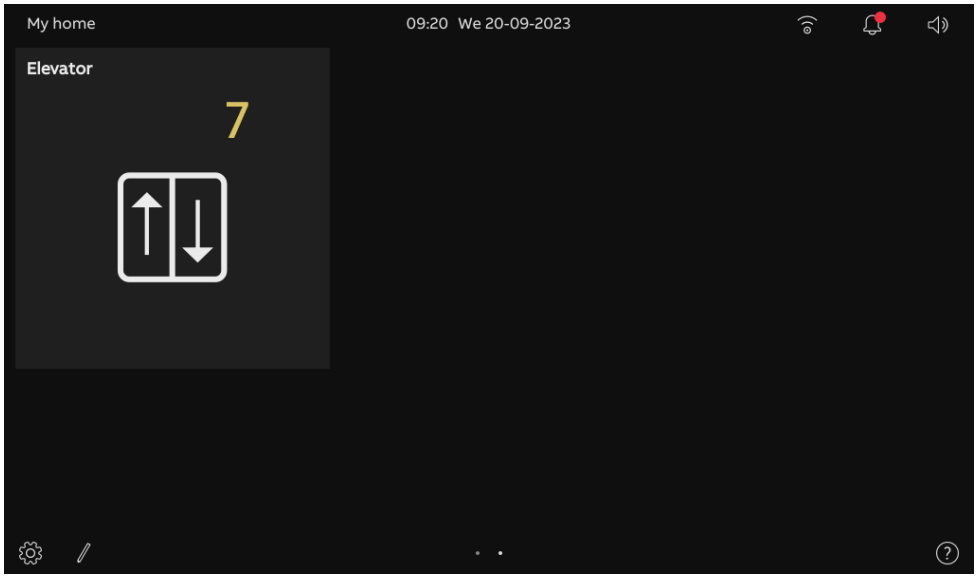
[4] Enter the alias name of the device.

[5] Select the size of the frame. It can be set to "1 slot", "2 slots" or "4 slots".

[6] Tap "Save & close".

[7] Tap "x" on the top right corner of the screen to exit the editing mode, the designated frame will be displayed on the dashboard.

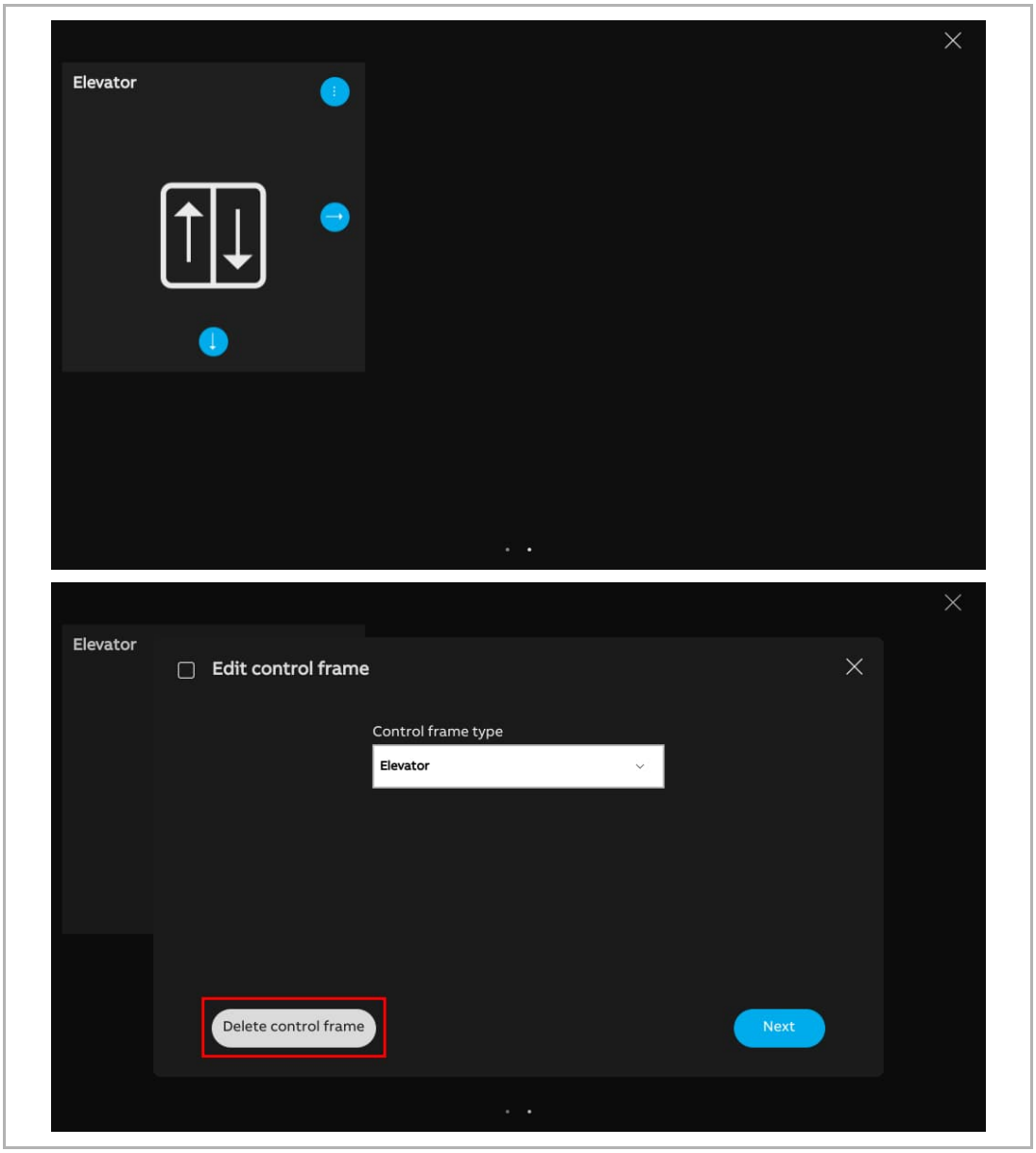




8.2.8 Editing the control

Ensure the dashboard works in the editing mode.

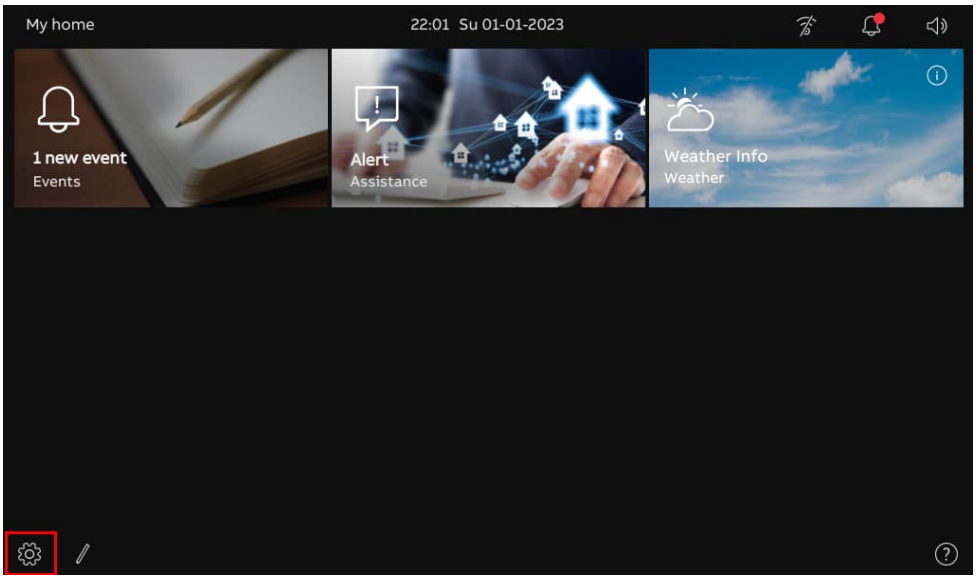
- Tap the arrow icon to move the control in the direction indicated by the arrow.
- Tap " " to edit the control.
  - Tap "Delete control frame" to remove the control from the dashboard.
  - Tap "Next" to change the settings of the control.



8.3 System settings

8.3.1 Accessing the "Settings" screen

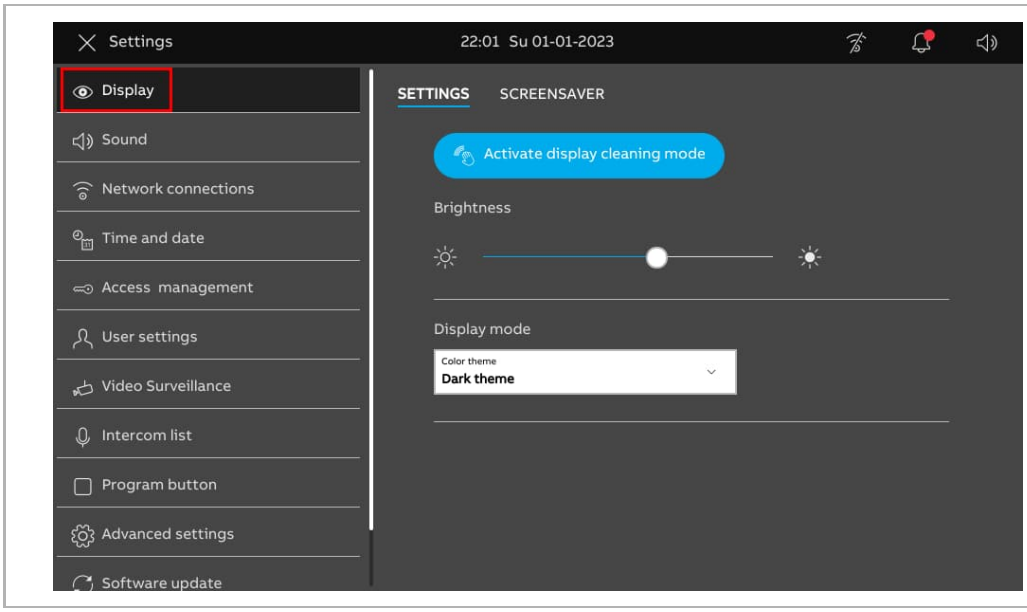
On the dashboard, tap " " to access the "Settings" screen.



8.3.2 Display settings

1. Access the "Display" screen

On the "Settings" screen, tap "Display" to access the corresponding screen.

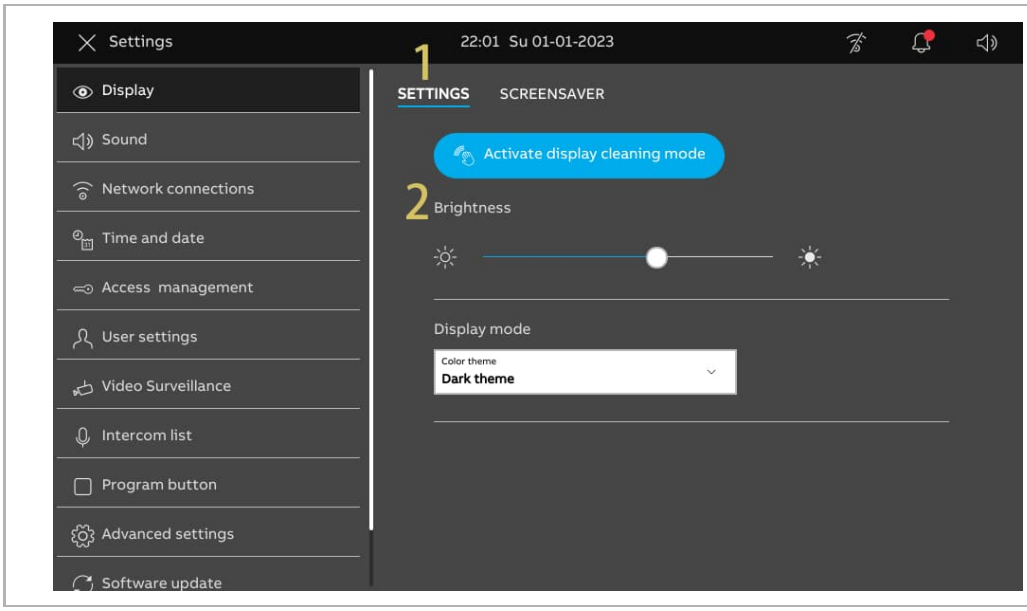


2. Adjusting the brightness

Please follow the steps below:

[1] On the "Display" screen, tap "Settings".

[2] Go to the "Brightness" section, drag the scroll bar to adjust the brightness.

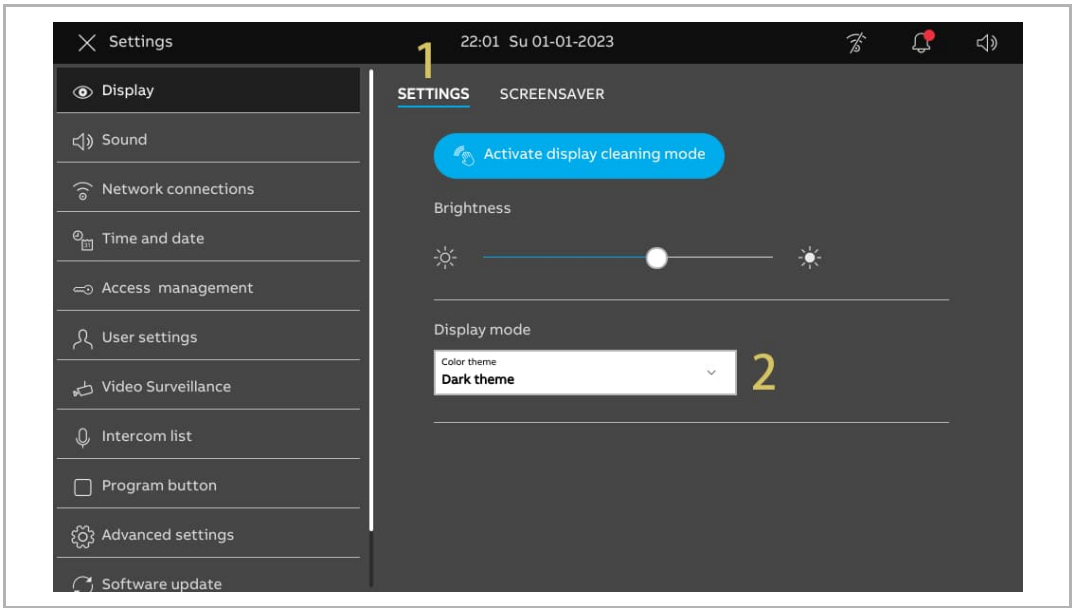


3. Configuring the "Display mode"

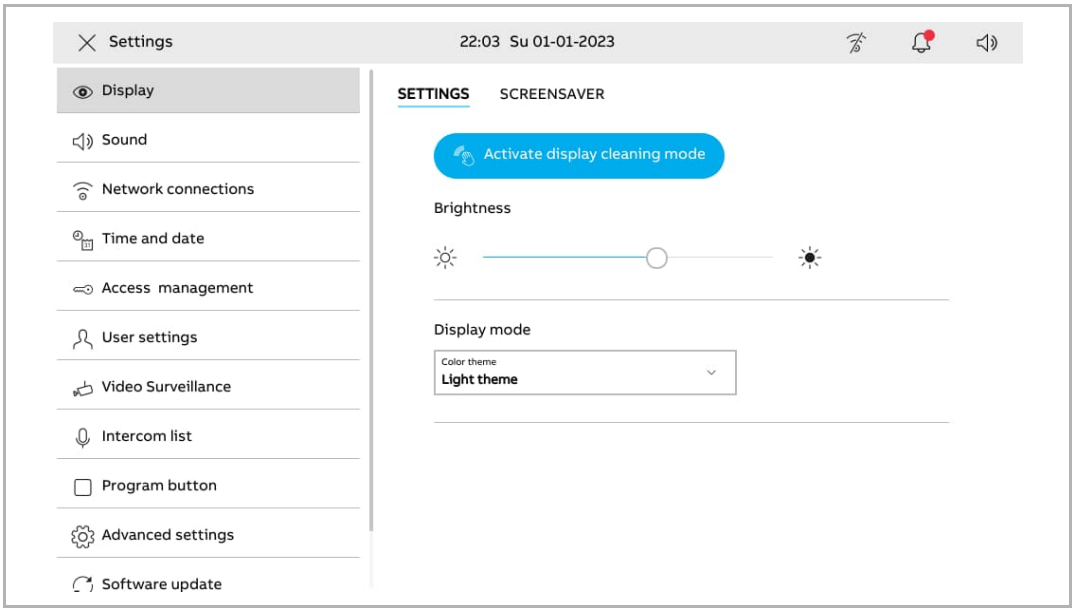
Please follow the steps below:

[1] On the "Display" screen, tap "Settings".

[2] On the "Display mode" section, select the display mode from the drop-down list. It can be set to "Dark theme" (default) or "Light" theme.



If the display mode is set to "Light theme", the UI will be shown as follow:



4. Configuring the screensaver

Please follow the steps below:

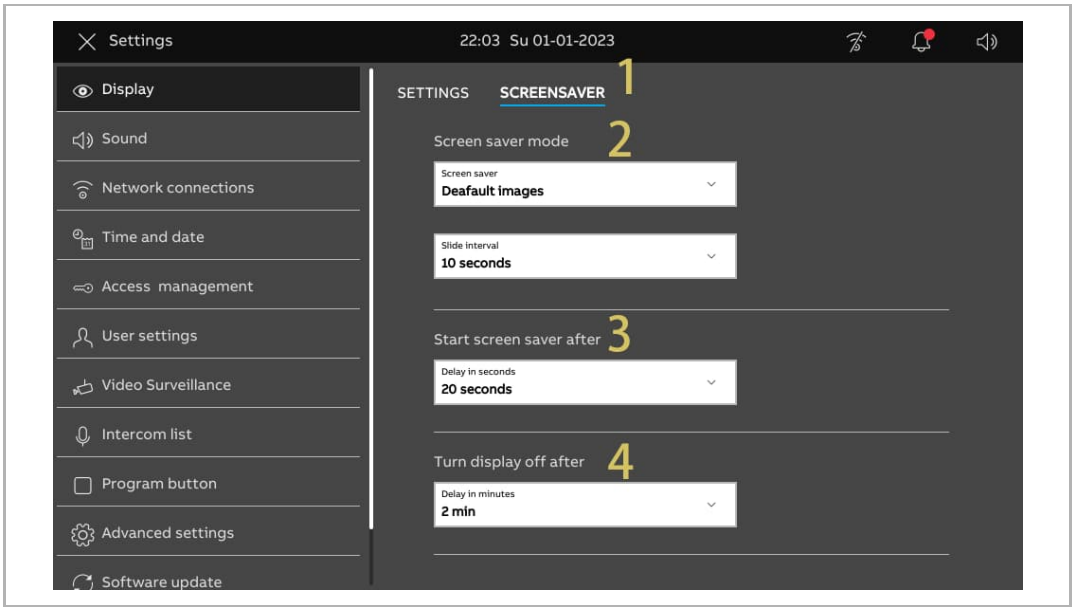
[1] On the "Display" screen, tap "Screensaver".

[2] Go to the "Screen saver mode" section, select the screen saver mode from the drop-down list. It can be set to "Default images" or "Clock" (default).

- If "Default images" is selected, there will be 3 built-in images play in a loop according to the "Slide interval" setting (default 10 seconds).
- If "Clock" is selected, there will be a clock displays the current time at a random location on the screen.

[3] Go to the "Start screen saver after" section, set the start time (default 20 seconds). The screensaver will start if there is no operation is carried out within the setting time.

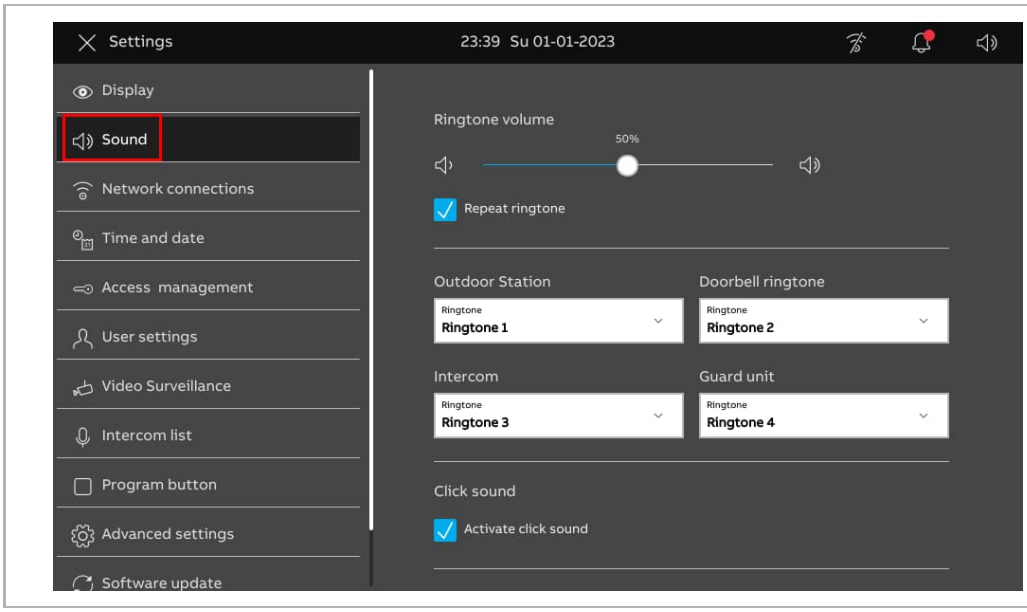
[4] Go to the "Turn display off after" section, set the screen off time (default 2 minutes). The screen of the panel will be turned off if there is no operation is carried out within the setting time.



8.3.3 Sound settings

1. Access the "Sound" screen

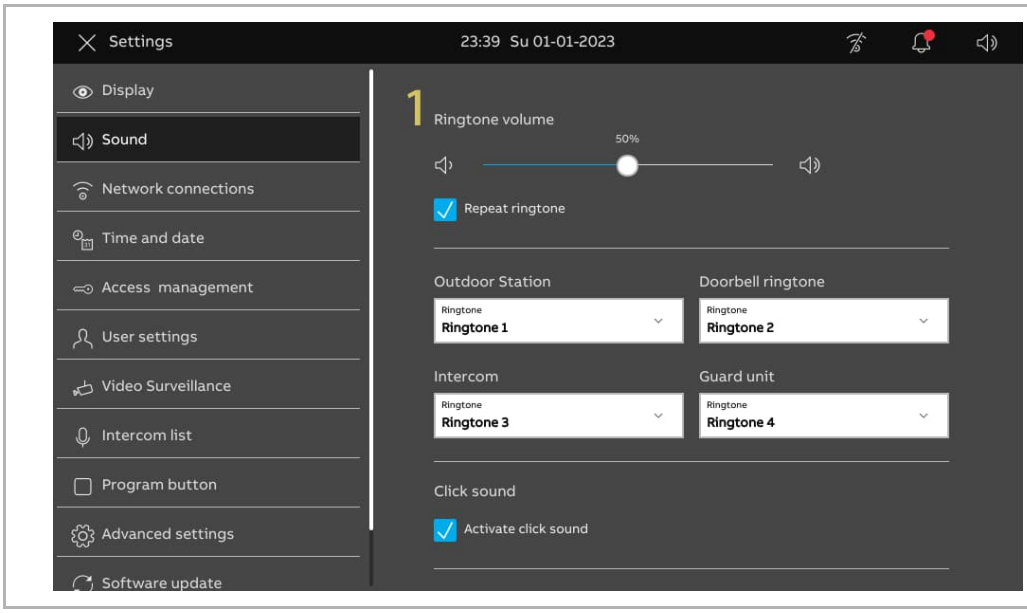
On the "Settings" screen, tap "Sound" to access the corresponding screen.



2. Adjusting the ringtone volume

Please follow the steps below:

[1] On the "Sound" screen, go to "Ringtone volume" seciton, drag the scroll bar to adjust the ringtone volume.

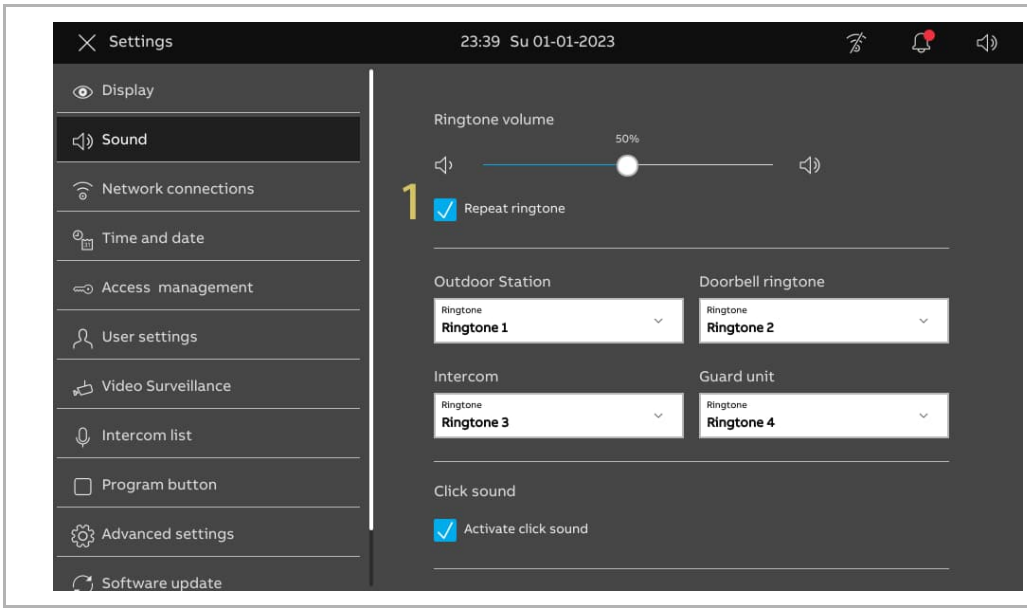


3. Configuring the repeat ringtone

Please follow the steps below:

[1] On the "Sound" screen, tick/untick the check box to enable/disable the function.

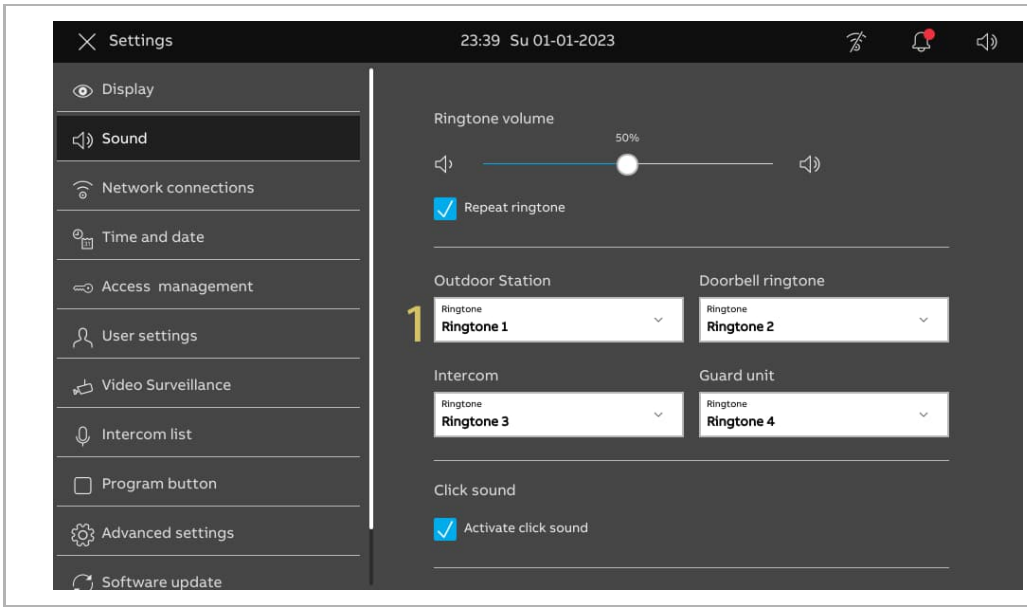
- Enable (default) = rings repeated ringtone within 30 seconds
- Disable = rings only once



4. Identifying the incoming call devices through the ringtones

Please follow the steps below:

[1] On the "Sound" screen, select the ringtone (built-in 4 ringtones) from the drop-down list. The panel will ring the designated ringtone during an incoming call to indicate the device type.

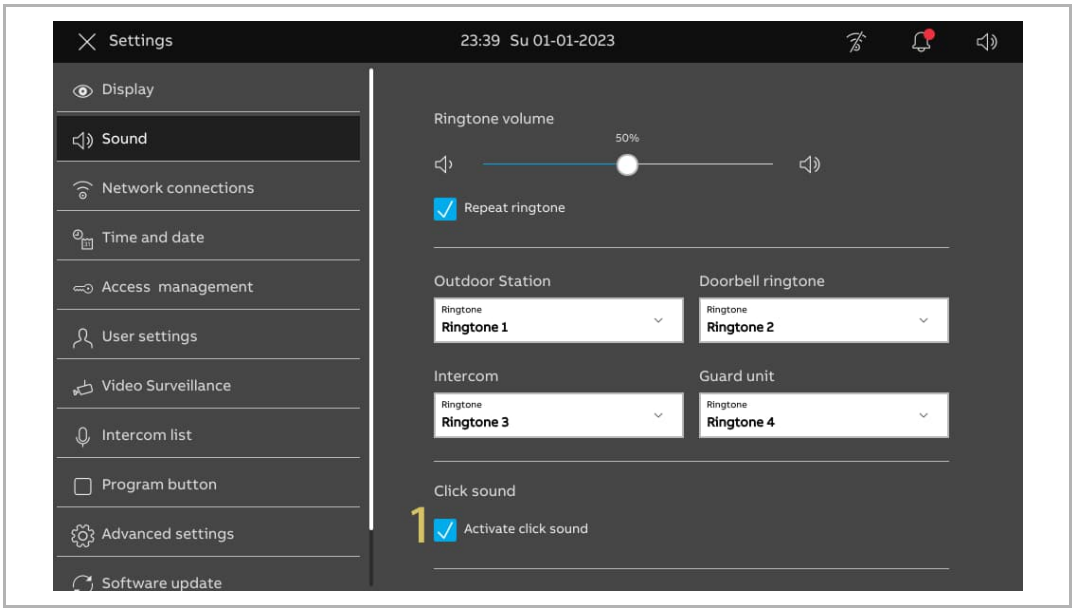


5. Configuring the "Click sound"

Please follow the steps below:

[1] On the "Sound" screen, go to the "Click sound" section, tick/untick the check box to enable/disable the function.

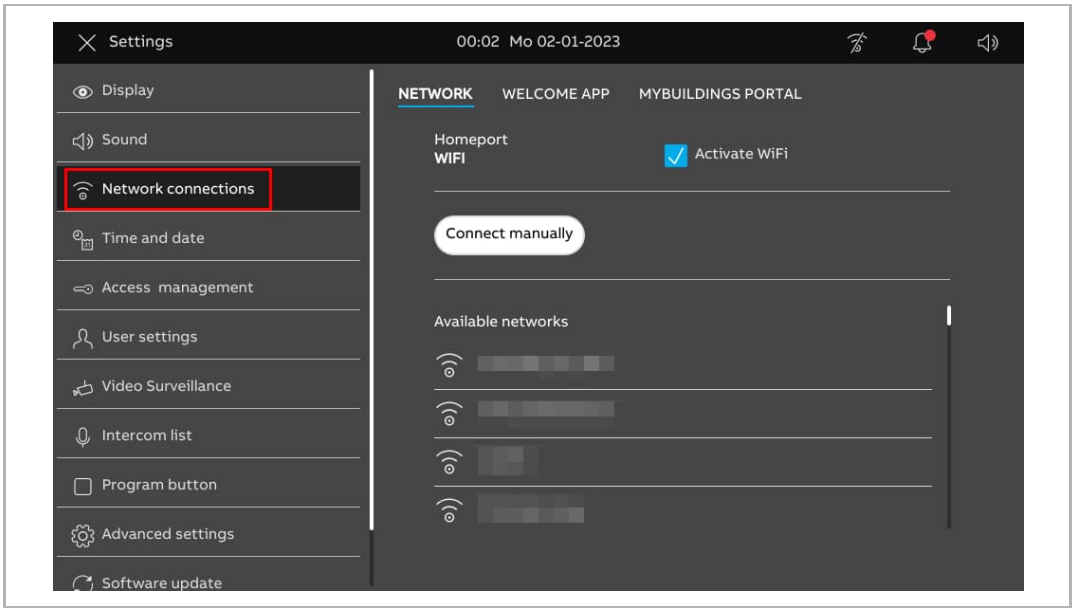
- Enable (default) = plays a sound when the screen is touched.
- Disable = mutes the sound when the screen is touched.



8.3.4 Network settings

1. Access the "Network connections" screen

On the "Settings" screen, tap "Network connections" to access the corresponding screen.



2. Connecting to WiFi

Please follow the steps below:

[1] On the "Network connections" screen, tap "Network".

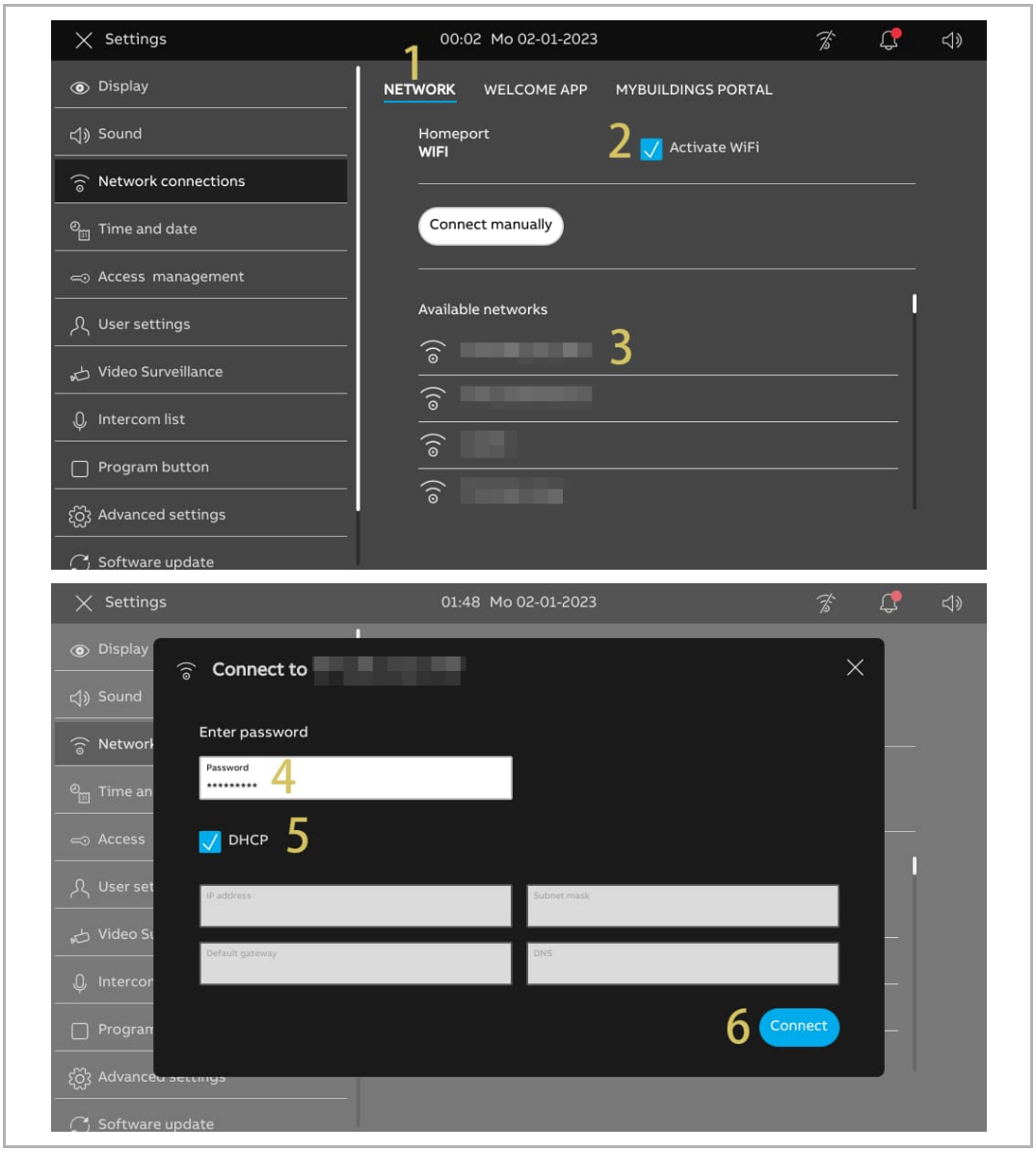
[2] Tick the check box to enable WiFi function.

[3] Select the designated WiFi from the available list or tap "Connect manually" to enter the WiFi name manually.

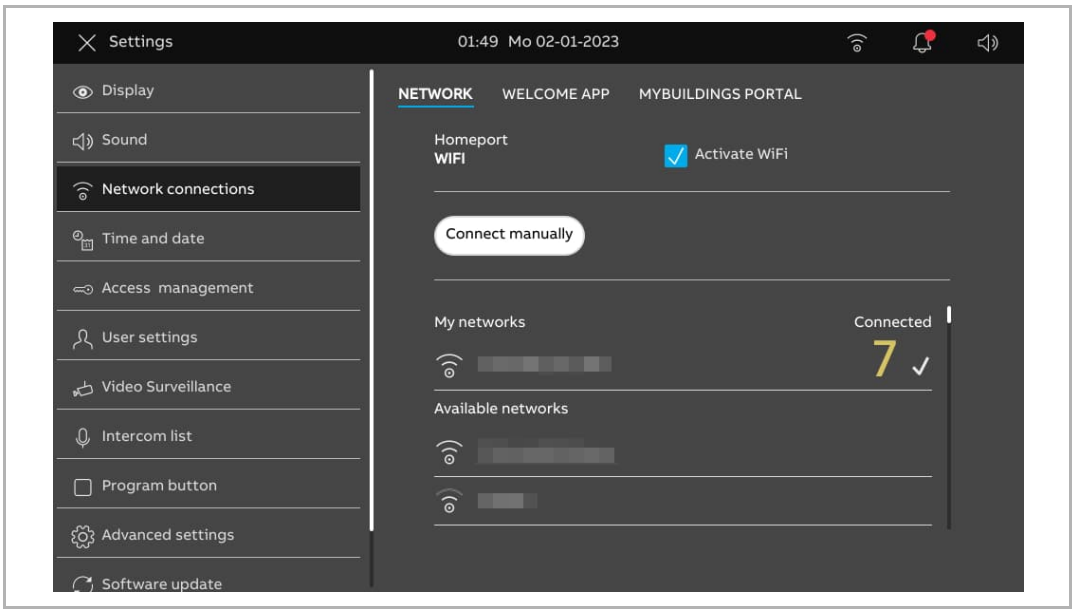
[4] Enter the WiFi password.

[5] "DHCP" is enabled by default. You can untick the check box and enter the IP address manually.

[6] Tap "Connect".



[7] "Connected" will be displayed if success.



8.3.5 MyBuildings settings

There are 2 ways to configure MyBuildings.

1. Accessing MyBuildings portal manually

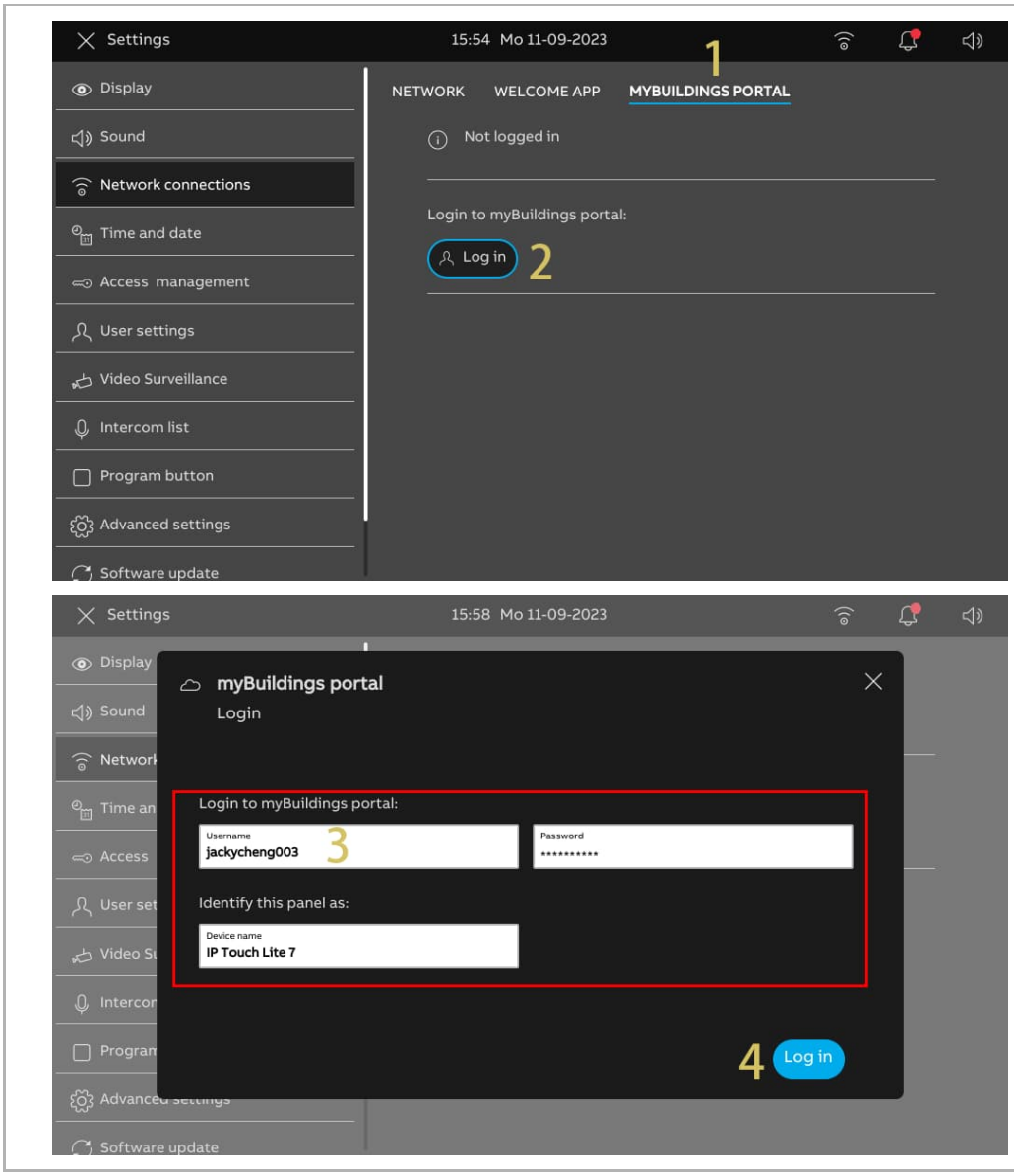
Please follow the steps below:

[1] On the "Network connections" screen, tap "MyBuildings portal".

[2] Tap "Log in".

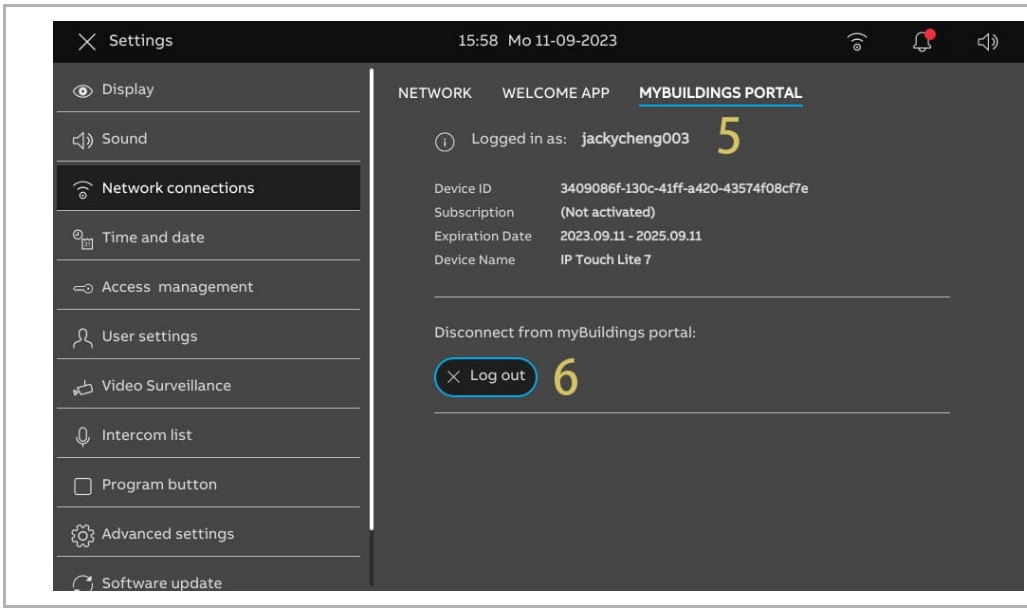
[3] Enter the account, the password and the alias name.

[4] Tap "Log in".



[5] Account name will be displayed if success.

[6] Tap "Log out" will disconnect from MyBuildings portal.



2. Accessing MyBuildings portal via APP

Precondition

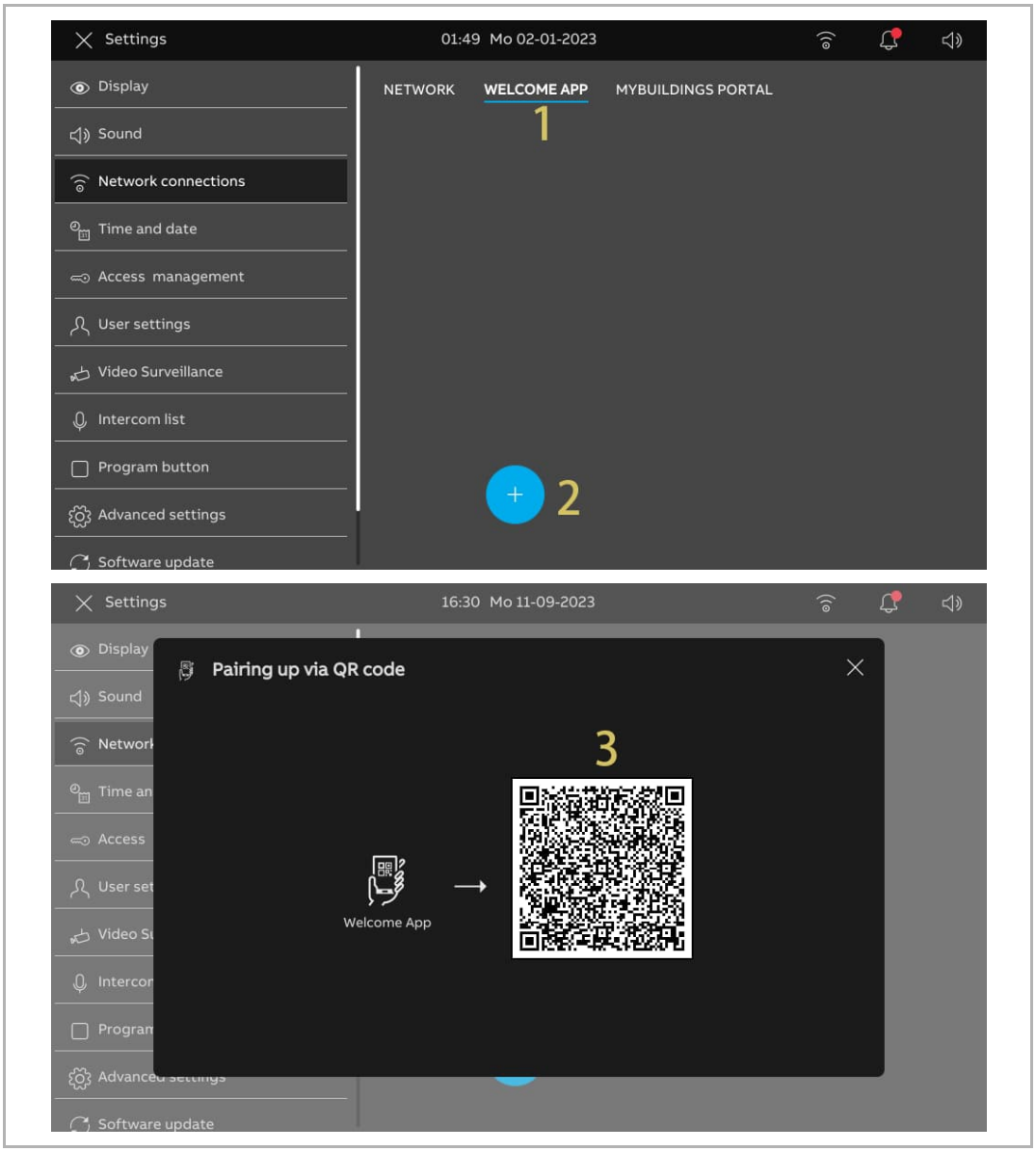
- APP has been logged in with the designated MyBuildings account.
- APP and the panel are in the same network.

Please follow the steps below:

[1] On the "Network connections" screen, tap "Welcome APP".

[2] Tap "+".

[3] A pop-up window will appear, keep the window and do not tap " x ".



[4] On the home screen of APP, tap " ".

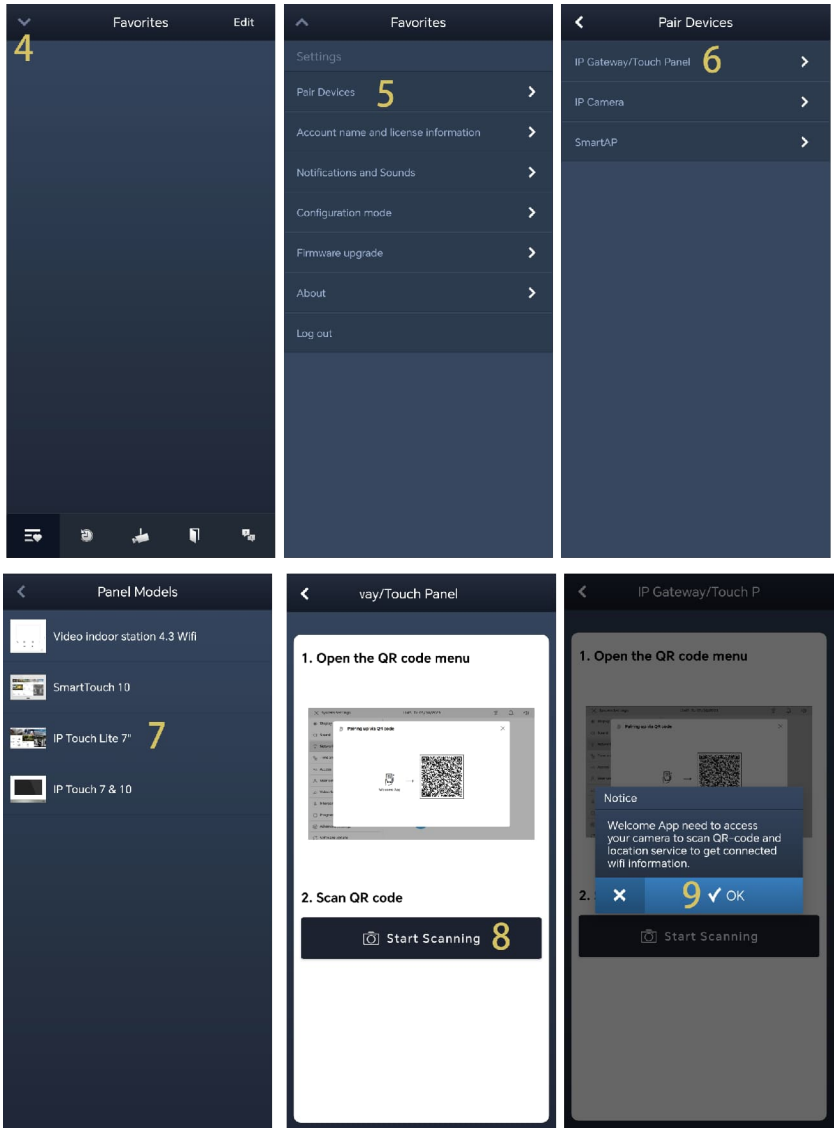
[5] Tap "Pair Devices".

[6] Tap "IP Gateway/Touch Panel".

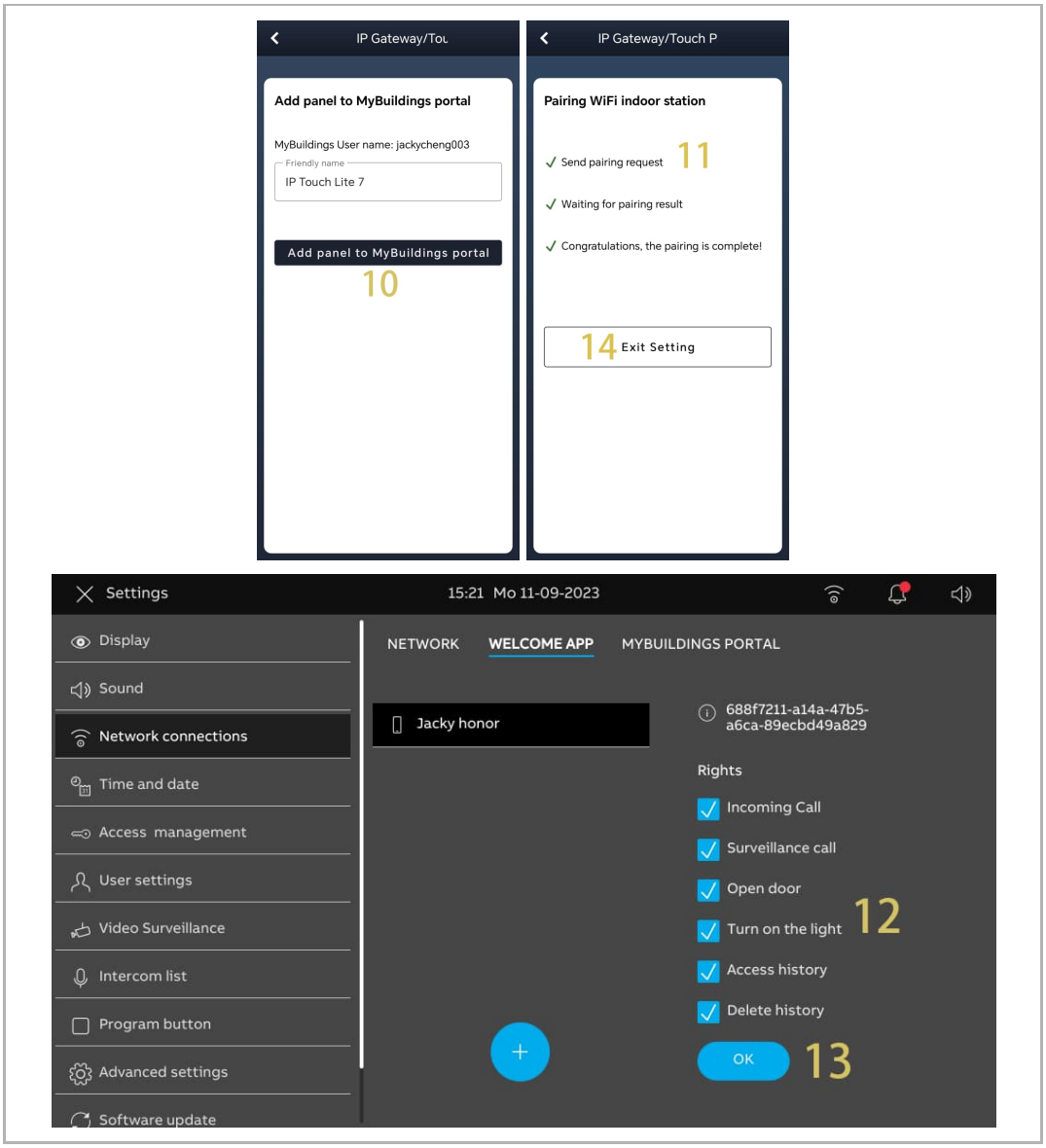
[7] Tap "IP Touch Lite 7".

[8] Tap "Start Scanning".

[9] Tap "OK" to give the permission of the camera to APP.

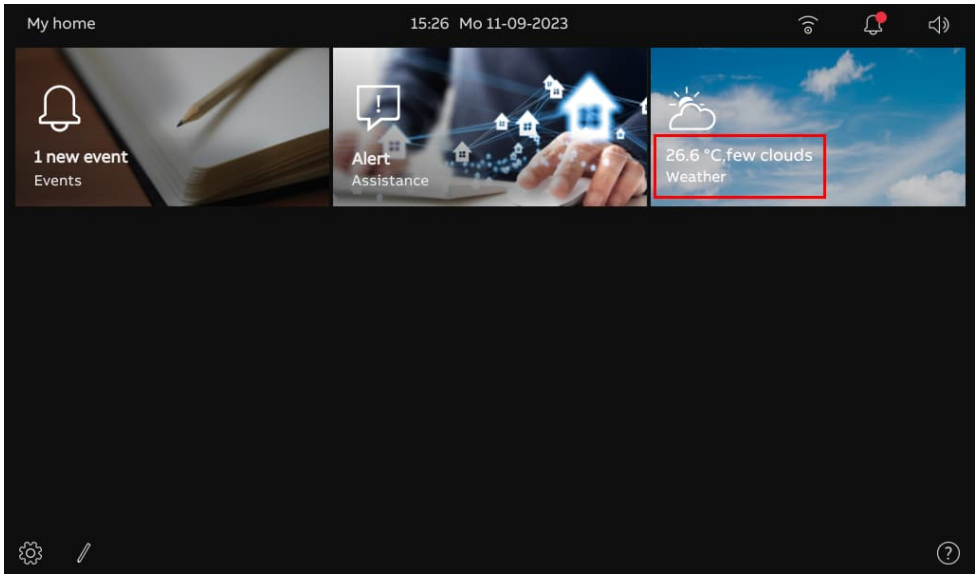


[10]Tap "Add panel to MyBuildings portal" to sync APP's MyBuildings account to the panel.
[11]At the same time as adding MyBuildings portal, APP will pair the panel.
[12]On the panel screen, tick the designated check boxes to grant the rights for APP.
[13]On the panel screen, tap "OK".
[14]On APP screen, tap "Exit Setting".



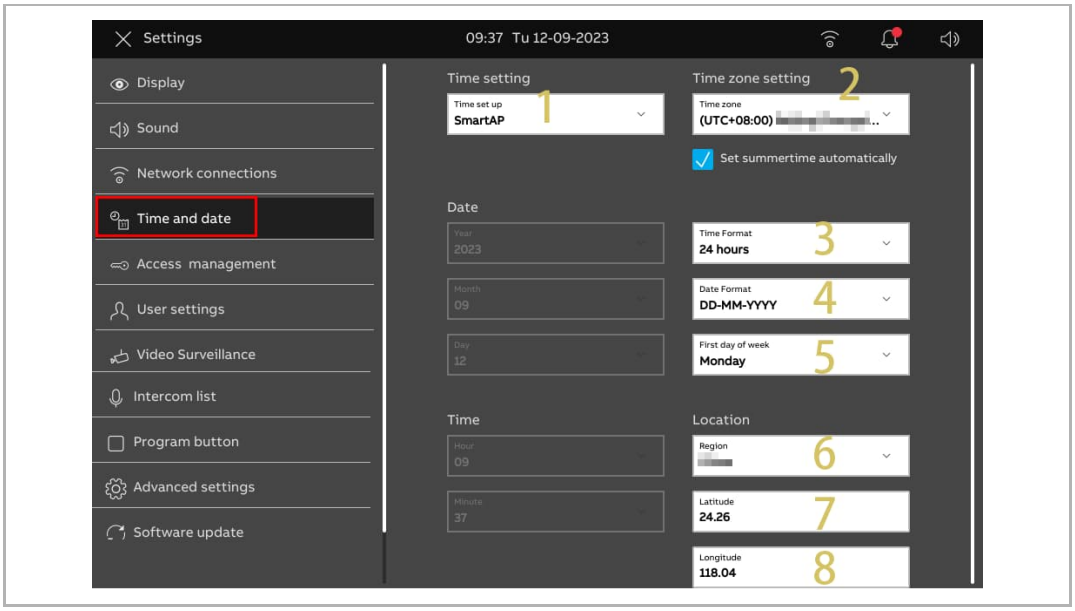
The weather data will be displayed on the dashboard after the panel logged in MyBuildings portal.

Note
The latitude and the longitude also need to be set before obtaining the correct weather data, see chapter 8.3.6 “Time and date settings“ on page 64.



8.3.6 Time and date settings

On the "Settings" screen, tap "Time and date" to access the corresponding screen.



No.	Description
1	**Time server setting** Select the time server from the drop-down list. – Default server = obtain the time data from the preset NTP servers. – SmartAP = obtain the time data from SmartAP. – Customize = obtain the time data from the specified NPT server. – Manual = enter the date and time manually.
2	Select the time zone from the drop-down list.
3	Select the time format from the drop-down list. It can be set to "12 hours" or "24 hours".
4	Select the date format from the drop-down list.
5	Set the first day for the week. It can be set to "Saturday", "Sunday" or "Monday".
6	Select the region from the drop-down list.
7	**Latitude** Enter the latitude value according to your location. This setting will affect the weather data.
8	**Longitude** Enter the longitude value according to your location. This setting will affect the weather data.

8.3.7 Changing advanced setting password

Please follow the steps below:

[1] On the "Settings" screen, tap "Access management".

[2] Tap "Secured areas".

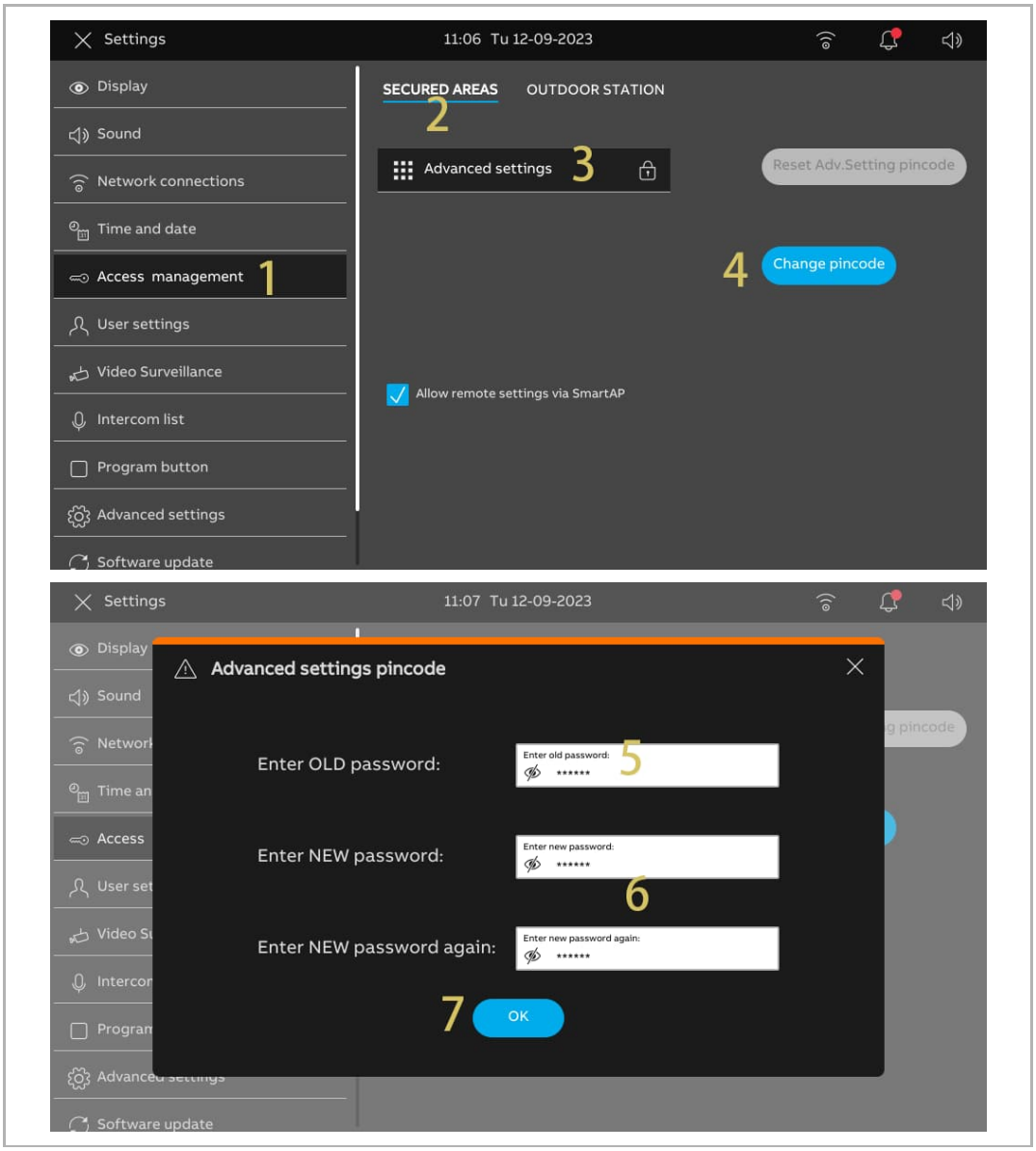
[3] Tap "Advanced settings".

[4] Tap "Change pincode".

[5] Enter the existing password (original password is "345678").

[6] Enter the new password twice.

[7] Tap "OK".



8.3.8 Resetting advanced setting password

Please follow the steps below:

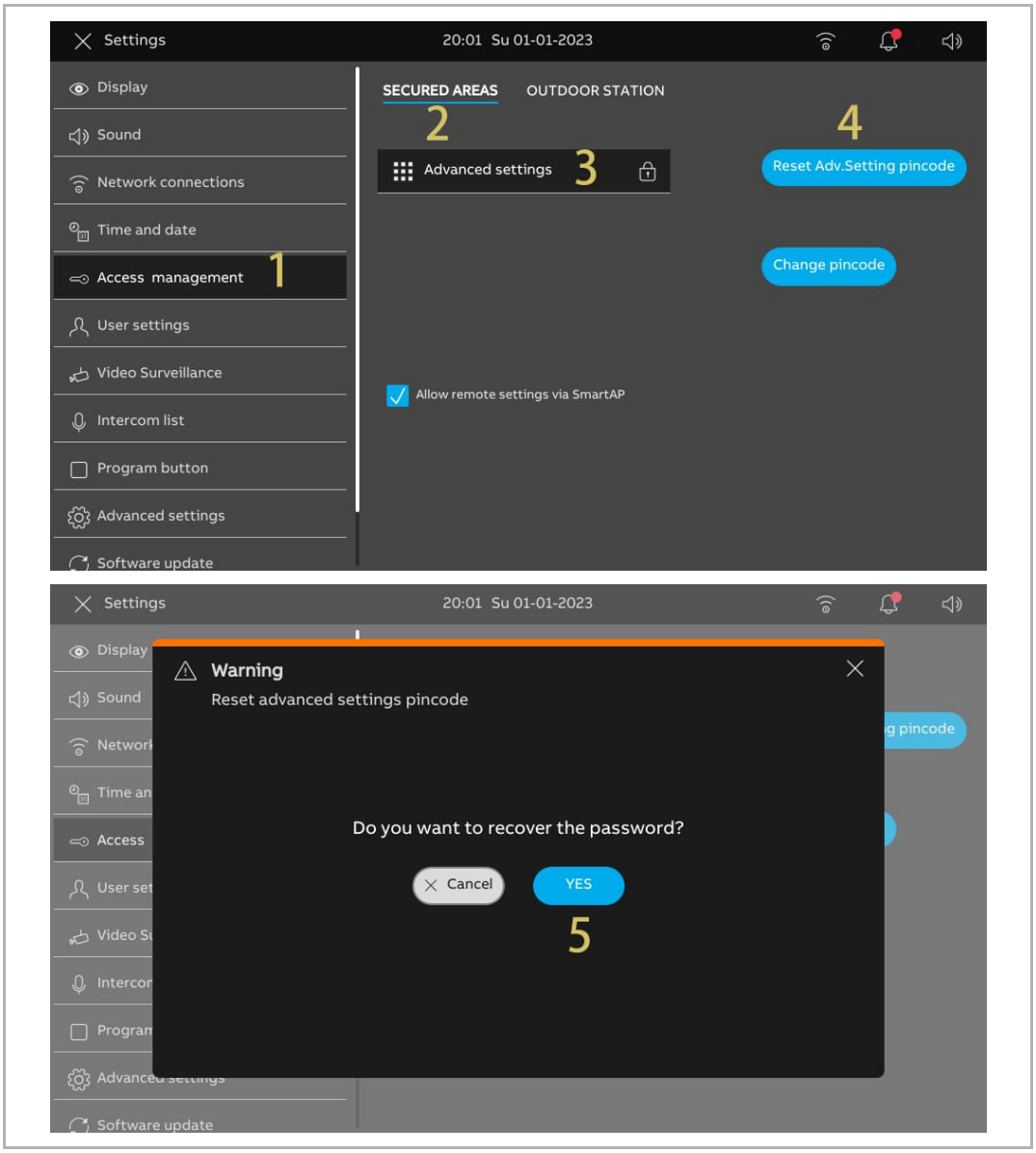
[1] Within 3 minutes when the panel is powered on, on the "Settings" screen, tap "Access management".

[2] Tap "Secured areas".

[3] Tap "Advanced settings".

[4] Tap "Reset Adv. Setting pincode".

[5] Tap "Yes".



8.3.9 Configuring unlock password

1. Enable the unlock password

Please follow the steps below:

[1] On the "Settings" screen, tap "Access management".

[2] Tap "Outdoor Station".

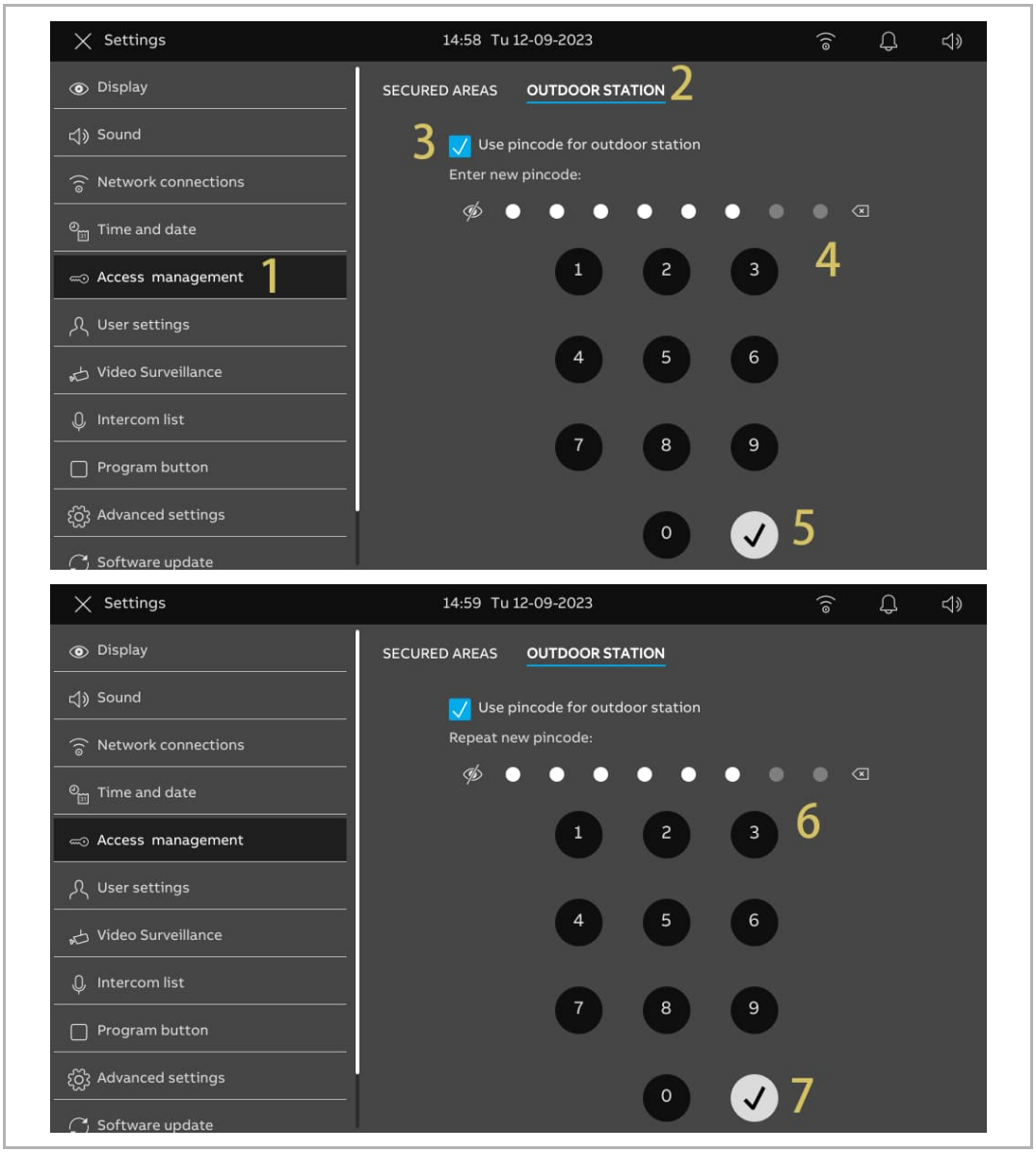
[3] Tick the check box to enable the function (disabled by default).

[4] Enter the unlock password (3...8 digits).

[5] Tap " √ ".

[6] Re-enter the unlock password (3...8 digits).

[7] Tap " √ ".



2. Changing the unlock password

Please follow the steps below:

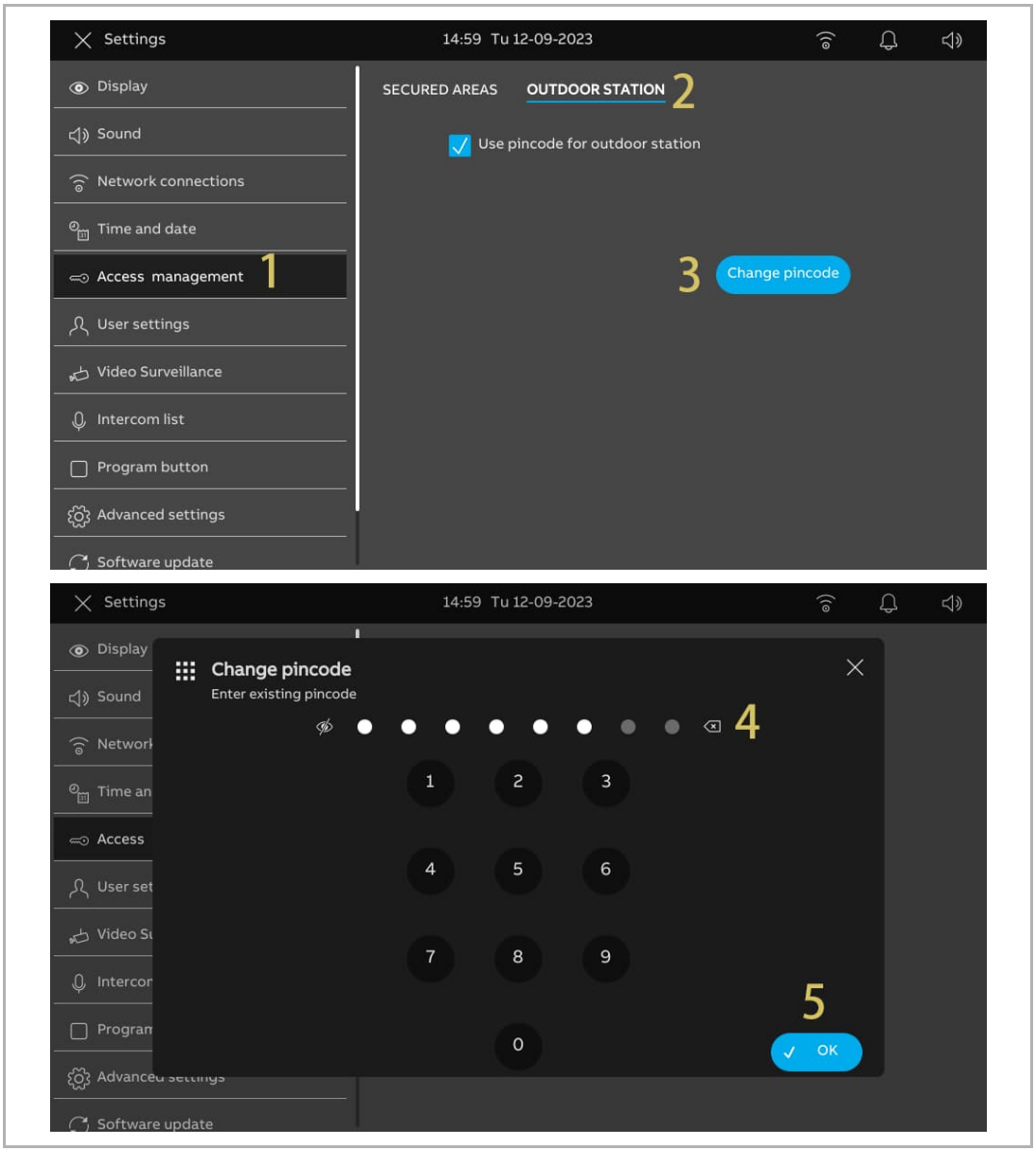
[1] On the "Settings" screen, tap "Access management".

[2] Tap "Outdoor Station".

[3] Tap "Change pincode".

[4] Enter the existing unlock password.

[5] Tap "OK".

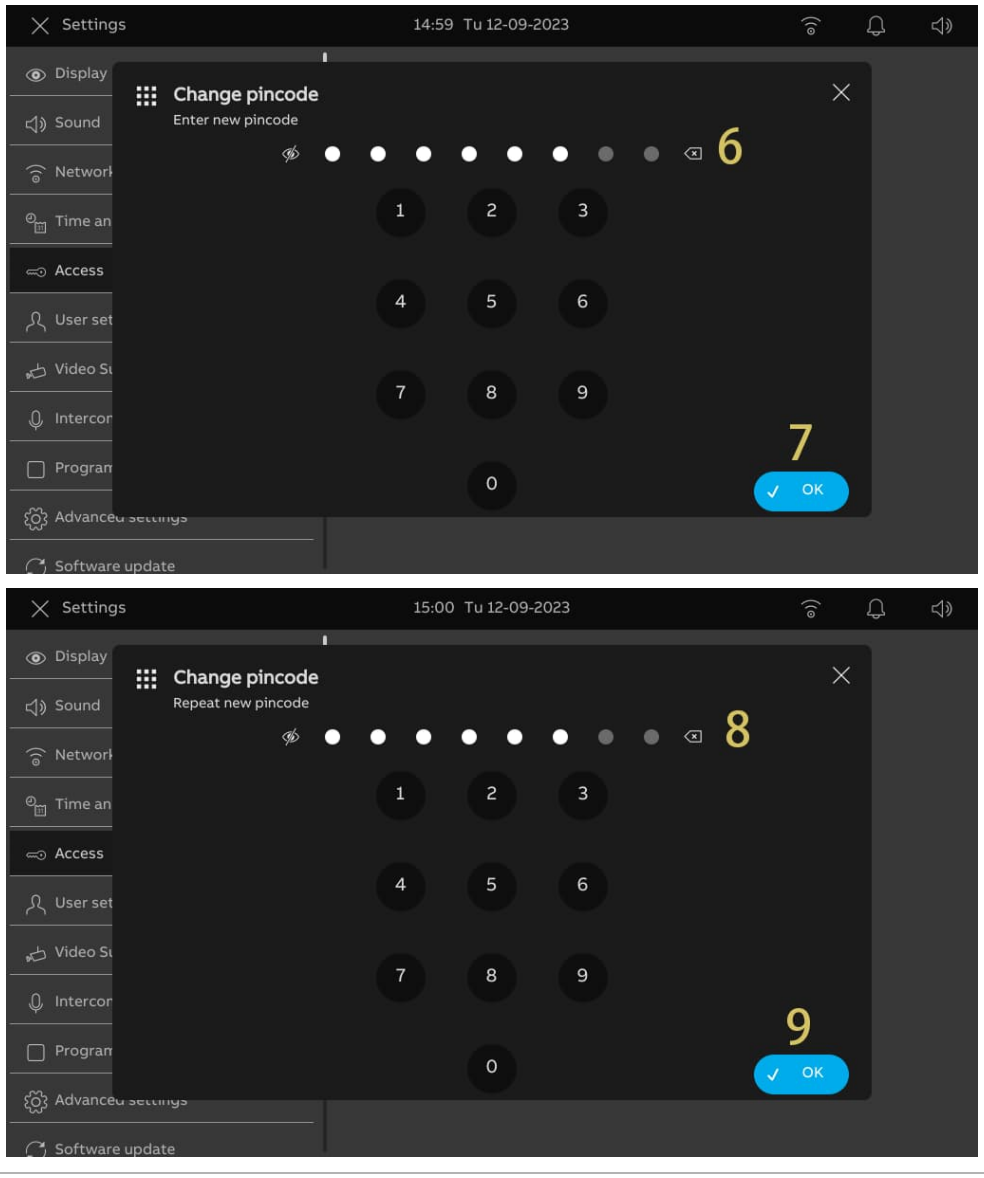


[6] Enter the new unlock password.

[7] Tap "OK".

[8] Repeat the unlock password.

[9] Tap "OK".



3. Resetting the unlock password

The unlock password will be clear when the "Resetting user settings" function is carried out, see chapter 8.3.14 “Resetting user settings“ on page 76.

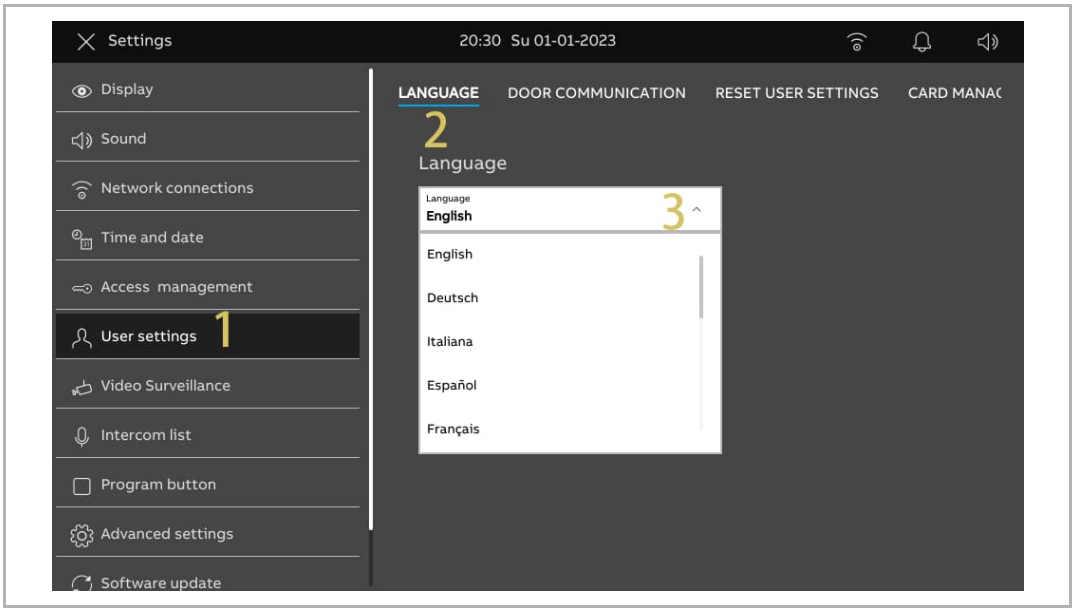
8.3.10 Language setting

Please follow the steps below:

[1] On the "Settings" screen, tap "User settings".

[2] Tap "Language".

[3] Select the language from the drop-down list.



8.3.11 Automatic snapshots setting

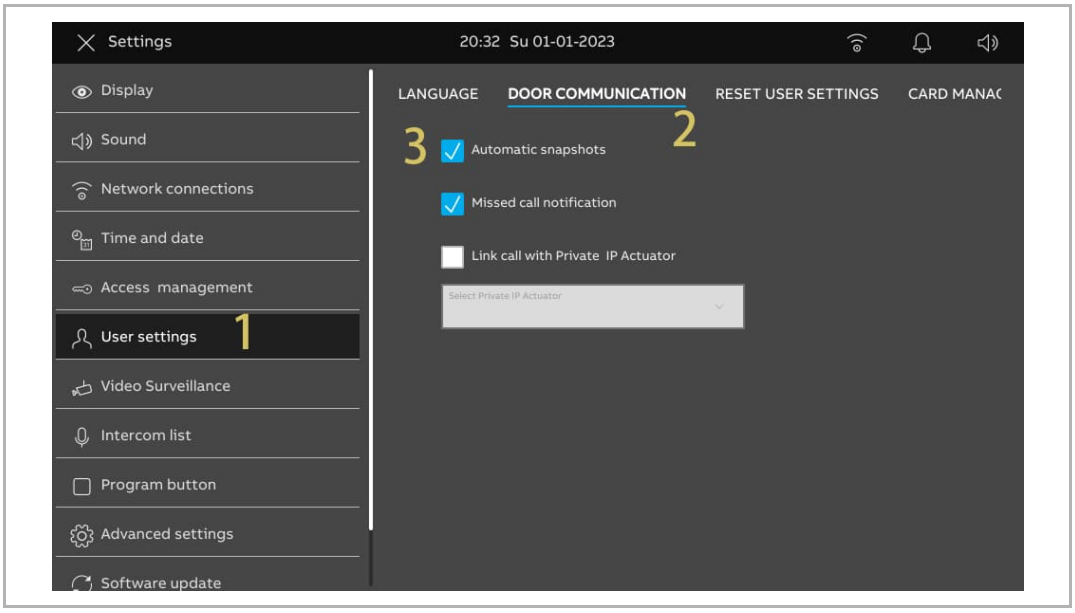
Please follow the steps below:

[1] On the "Settings" screen, tap "User settings".

[2] Tap "Door Communication".

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

The panel will take 3 snapshots automatically in the 3rd, 5th, 7th second during an incoming call after this function is enabled.



8.3.12 Missed call setting

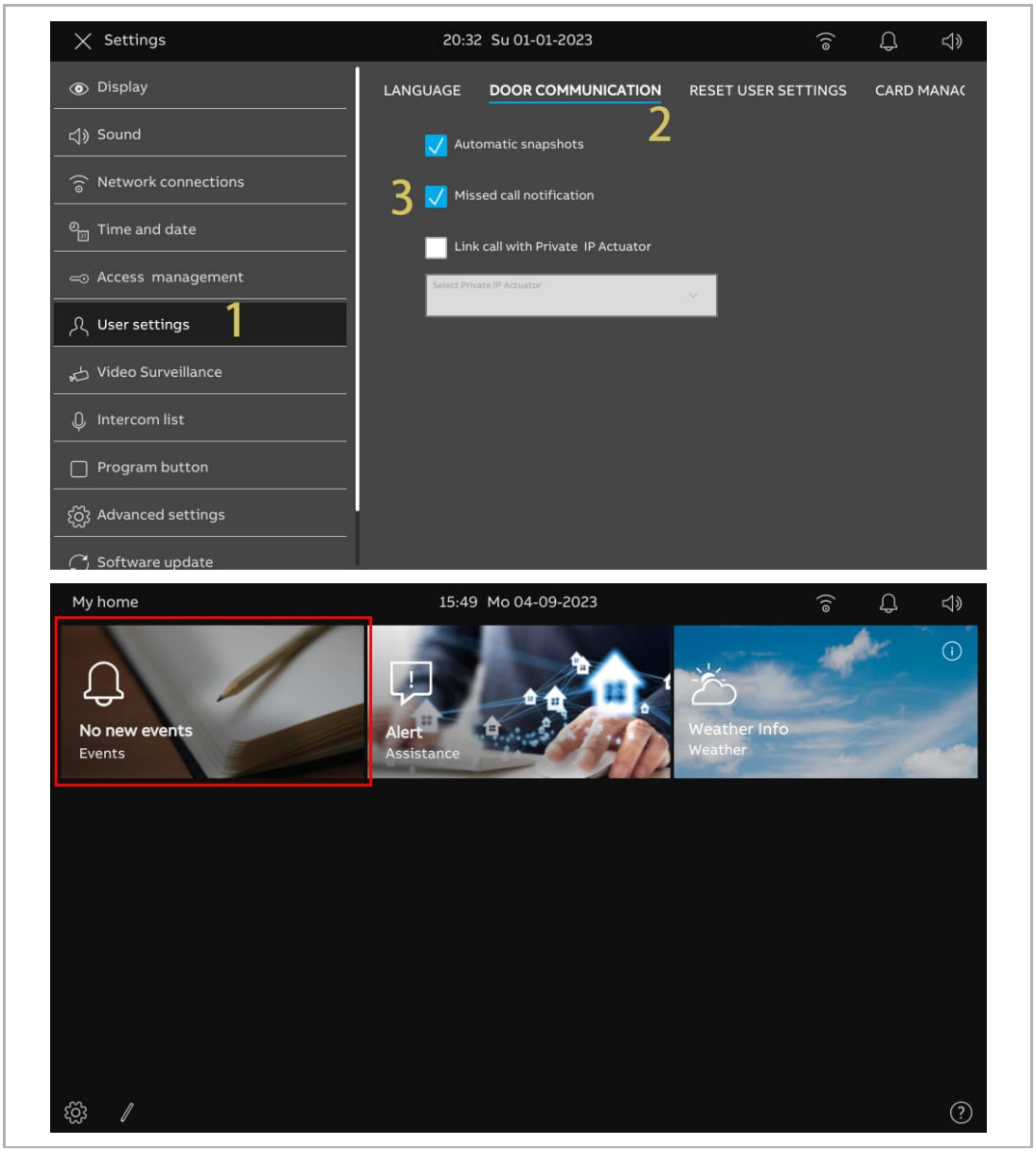
Please follow the steps below:

[1] On the "Settings" screen, tap "User settings".

[2] Tap "Door Communication".

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

The missed calls will be indicated on the "Events" module of the dashboard after the function is enabled.



8.3.13 Linking call setting

People with hearing impairments cannot hear the ringing tone of an incoming call. It is recommended to link the call with a light connected to a IP actuator. The designated light will turn on during an incoming call after the setting.

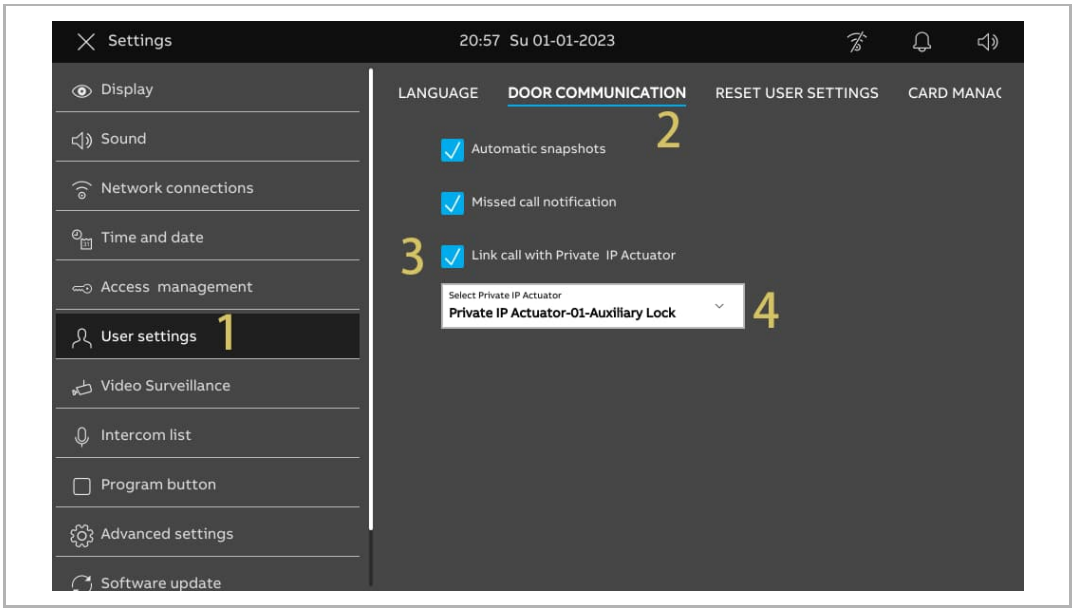
Please follow the steps below:

[1] On the "Settings" screen, tap "User settings".

[2] Tap "Door Communication".

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

[4] Select "Auxiliary Lock" in this case.

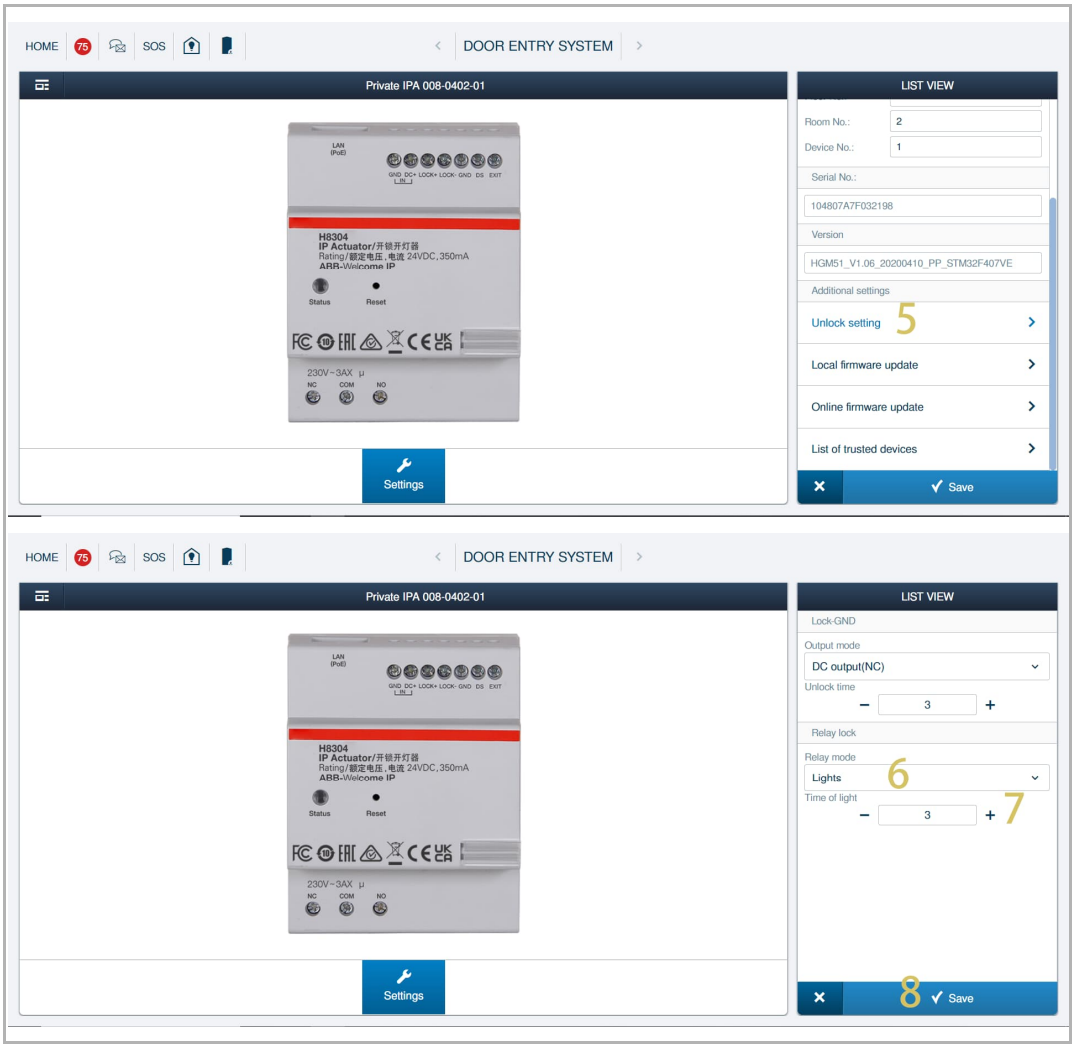


[5] On the designated IPA screen of SmartAP, click "Unlock setting".

[6] On the "Relay lock" section, set "Relay mode" to "Lights".

[7] Enter the relay time (1....300 seconds).

[8] Click "Save".



8.3.14 Resetting user settings

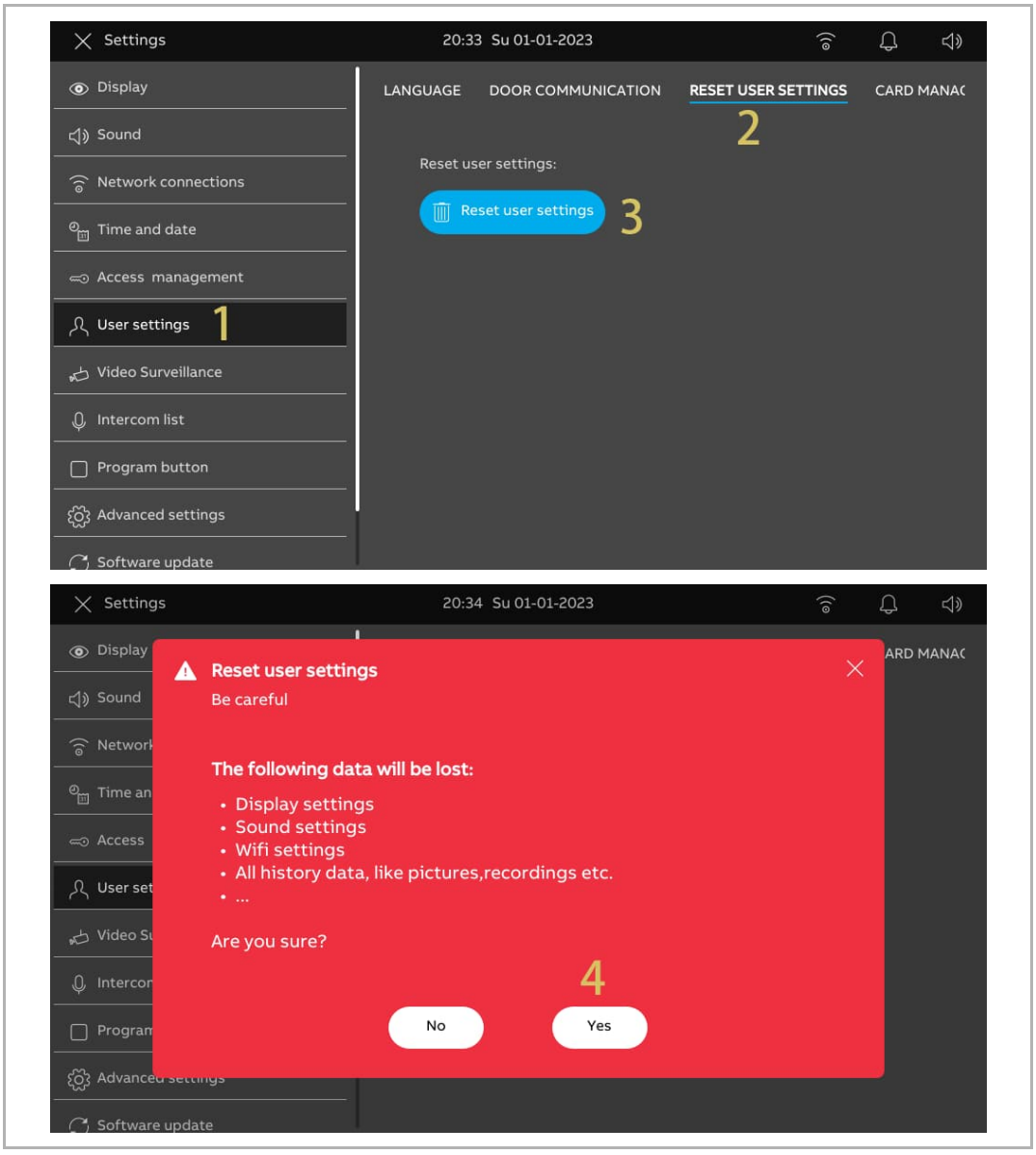
Please follow the steps below:

[1] On the "Settings" screen, tap "User settings".

[2] Tap "Reset user settings".

[3] Tap "Reset user settings".

[4] On the pop-up warning window, tap "Yes".



The following settings will be restored to default settings:

- Display settings
- Sound settings
- Unlock password
- History records

The following settings will be unchanged:

- WiFi settings
- APP settings
- MyBuildings settings
- Longitude and Latitude settings
- Advanced setting password
- Language setting
- Link call with private IP actuator
- Card management
- Private IPC setting
- Public IPC setting
- Program button setting

8.3.15 Configuring Outdoor Station cameras

Precondition

- This panel and the designated Outdoor Stations should be in the same building.

1. Add Outdoor Station cameras

Please follow the steps below:

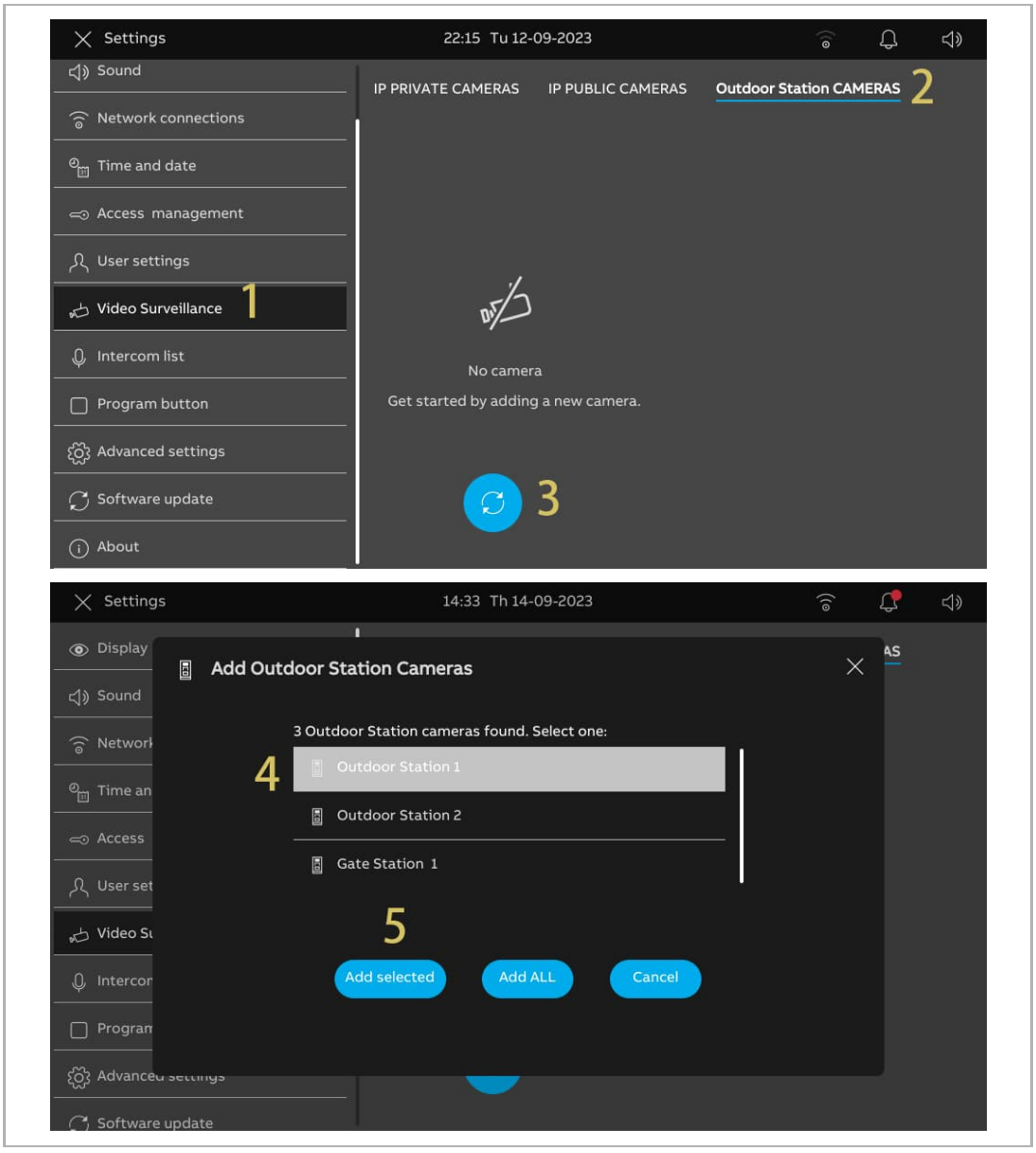
[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "Outdoor Station cameras".

[3] Tap " ".

[4] Tap the designated Outdoor Station on the list.

[5] Tap "Add selected" or tap "Add all" to add the cameras.



2. Removing an Outdoor Station camera

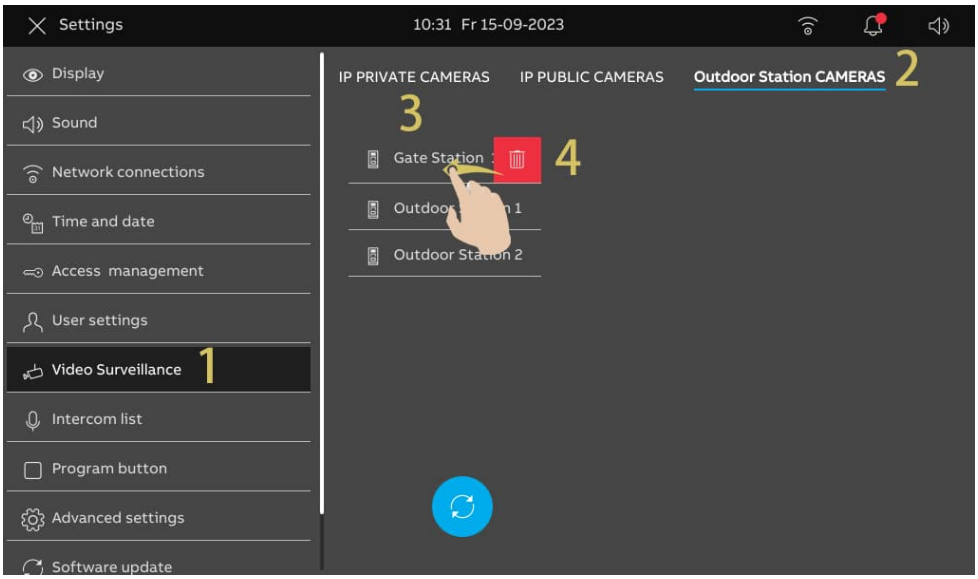
Please follow the steps below:

[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "Outdoor Station cameras".

[3] Swipe the designate Outdoor Station to left.

[4] Tap " " to remove it.



8.3.16 Configuring private cameras

Precondition

- The designated private cameras and the panel should be in the same network.

1. Adding private cameras

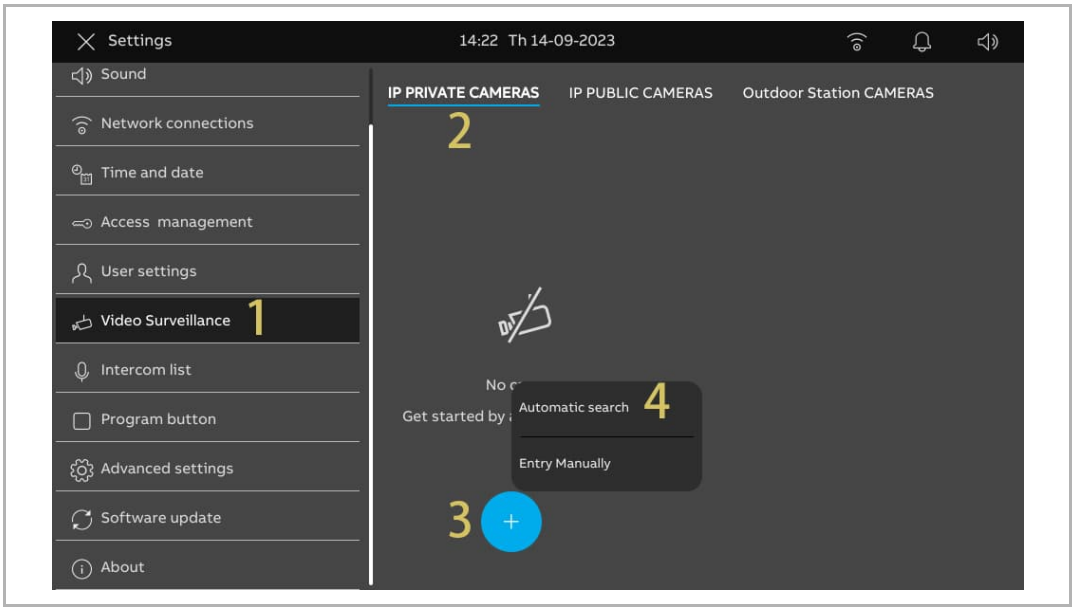
Please follow the steps below:

[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "IP private cameras".

[3] Tap " + ".

[4] Tap "Automatic search".

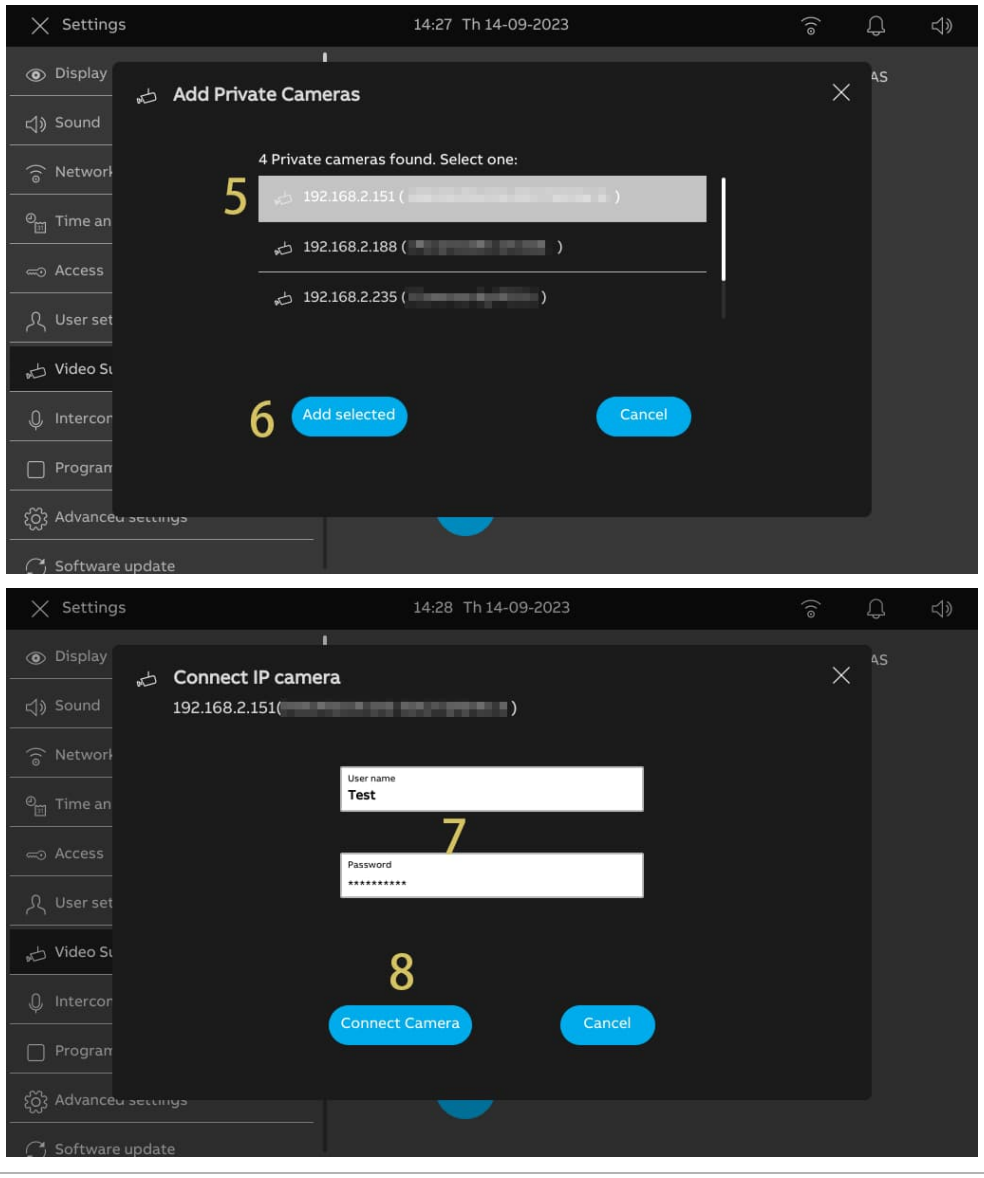


[5] Tap the designated camera.

[6] Tap "Add selected".

[7] Enter the account and password for the camera.

[8] Tap "Connect Camera".



[9] Tap "Cancel" to close the window. Or tap "Add new IP camera" to start a new adding.

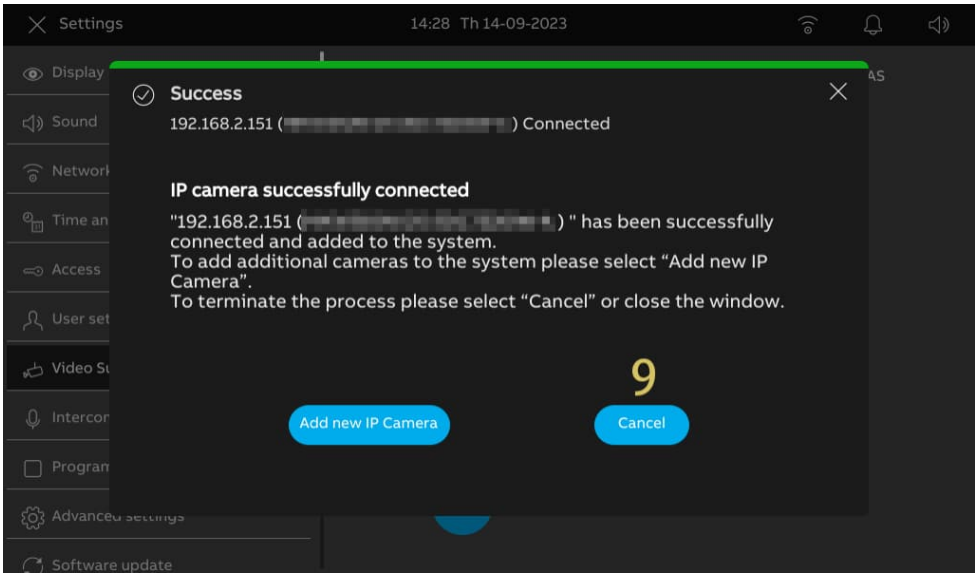
[10]Tap the designated camera.

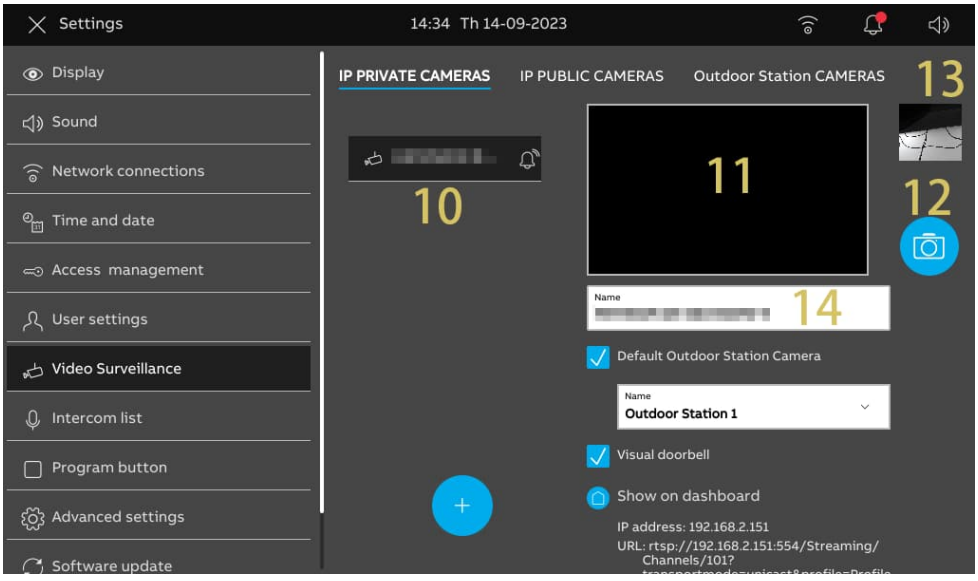
[11]A surveillance will be initiated in a small window for 120 seconds.

[12]Tap " " to take a snapshot.

[13]The snapshot will be displayed on the screen. This snapshot will be the cover when the camera is added to the dashboard.

[14]Enter the alias name for the camera.



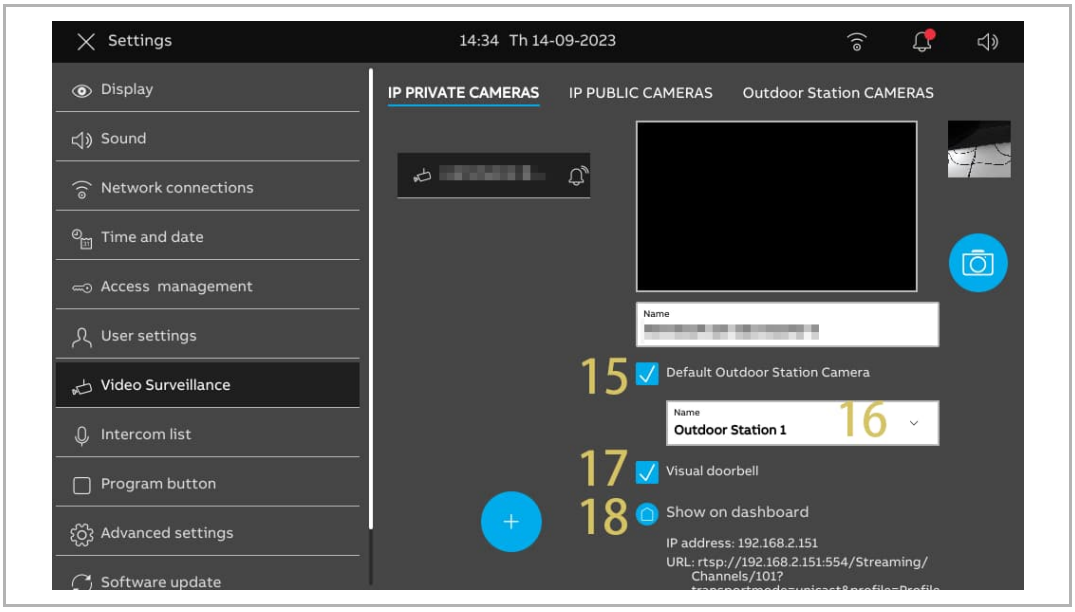


[15]Tick the check box to set the camera for the default Outdoor Station. You need to set "Outdoor Station cameras" before this setting, see chapter 8.3.15 “Configuring Outdoor Station cameras“ on page 78.

[16]Select the designated Outdoor Station from the drop-down list.

[17]Tick the check box to enable the "Visual doorbell" function.

[18]Tap " " to add the camera to the dashboard. " " will be displayed on the screen if success. Tap " " to remove the camera from the dashboard.



2. Removing private cameras

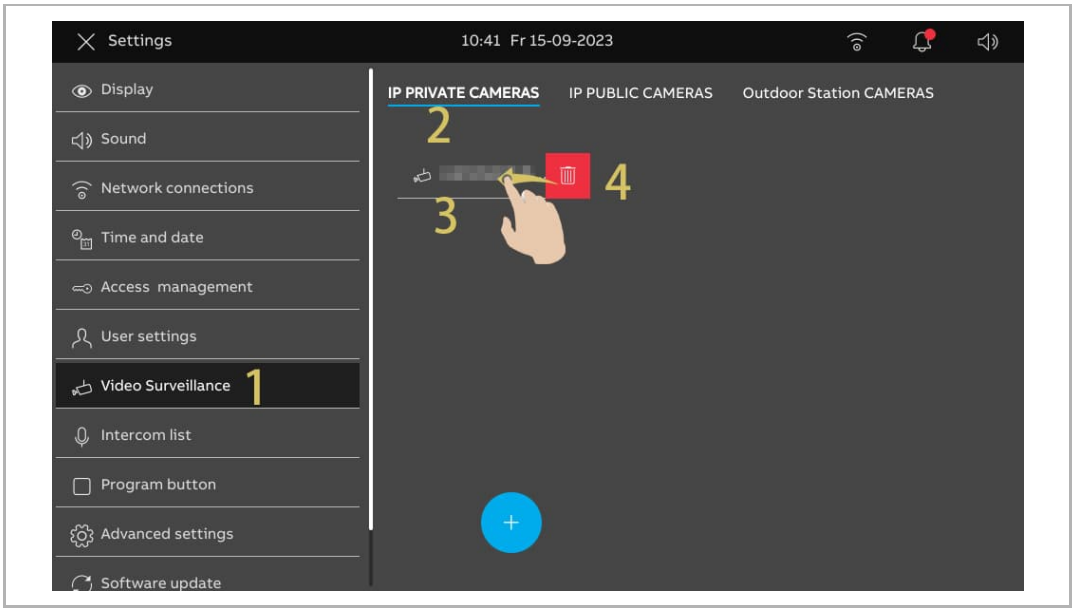
Please follow the steps below:

[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "IP private cameras".

[3] Swipe the designate camera to left.

[4] Tap " " to remove it.



8.3.17 Configuring public cameras

Precondition

- The designated public cameras have obtained the signatures from SmartAP.
- The designated panel and SmartAP should be in the same network.

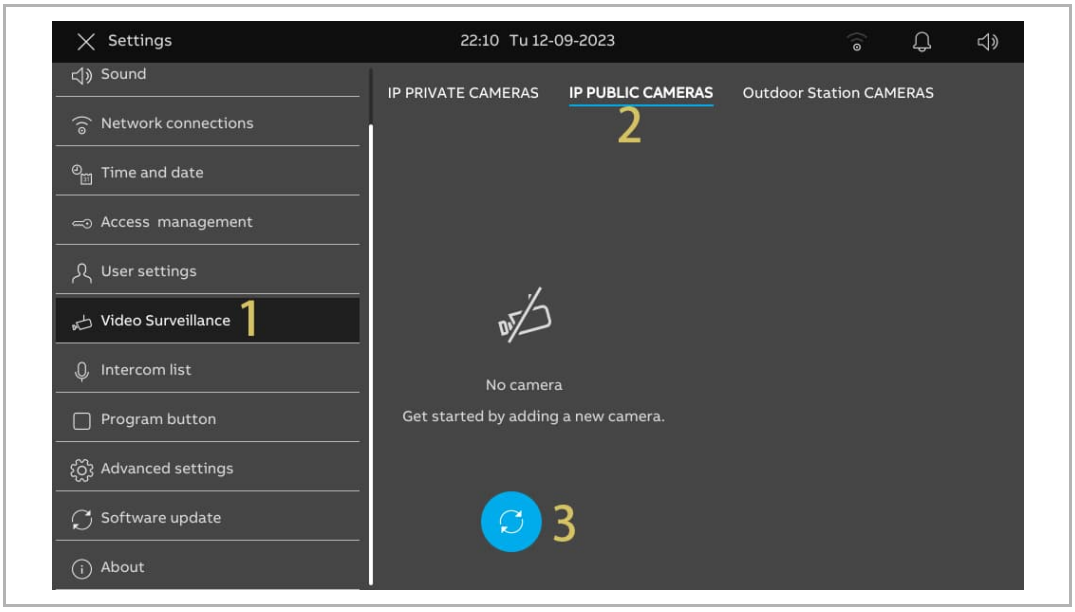
1. Adding public cameras

Please follow the steps below:

[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "IP public cameras".

[3] Tap " ".



[4] Tap the designated camera on the list.

[5] Tap "Add selected" or tap "Add all" to add the cameras.

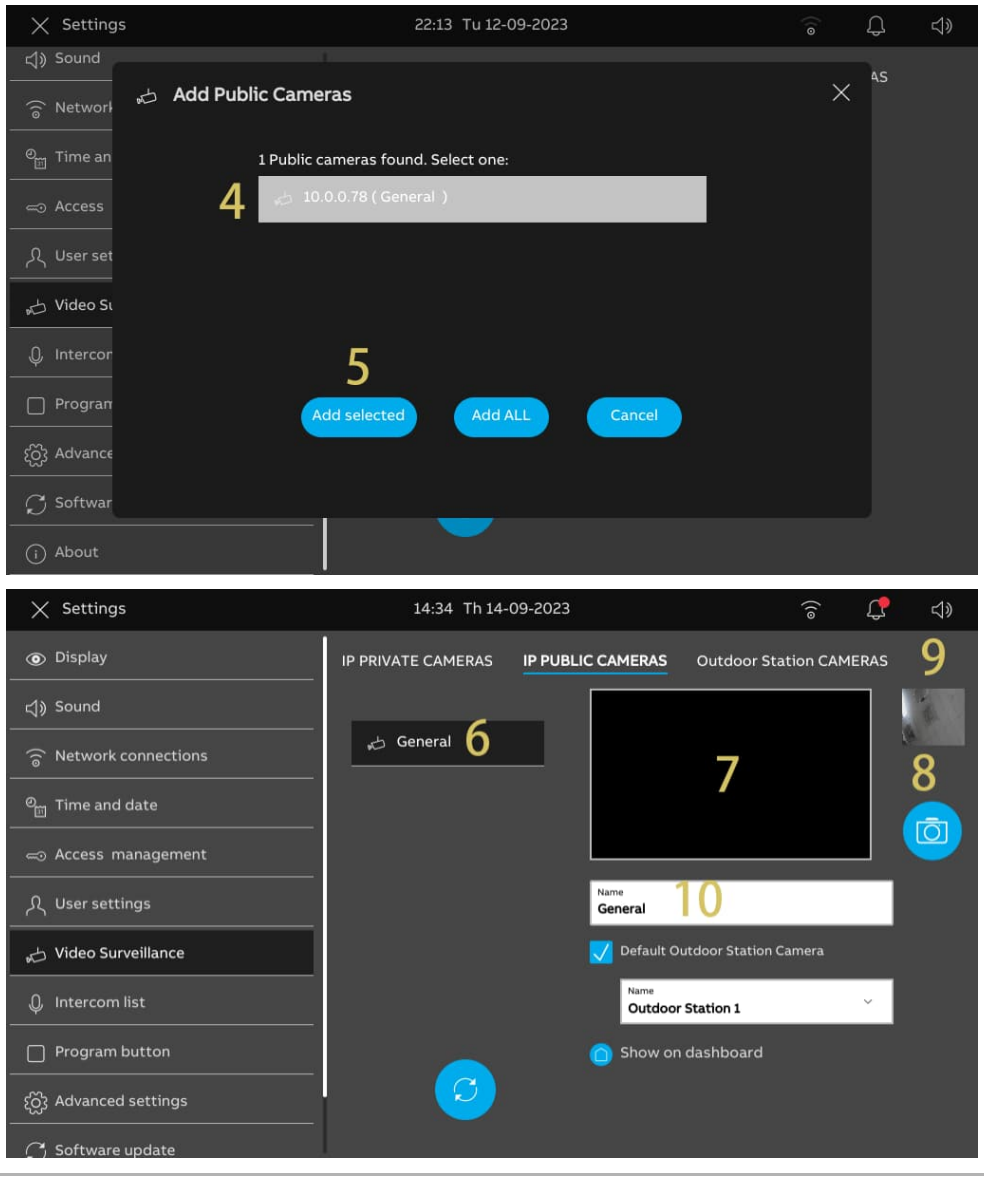
[6] Tap the designated camera.

[7] A surveillance will be initiated in a small window and last for 120 seconds.

[8] Tap " " to take a snapshot.

[9] The snapshot will be displayed on the screen and it will be used as the cover when the camera is added to the dashboard.

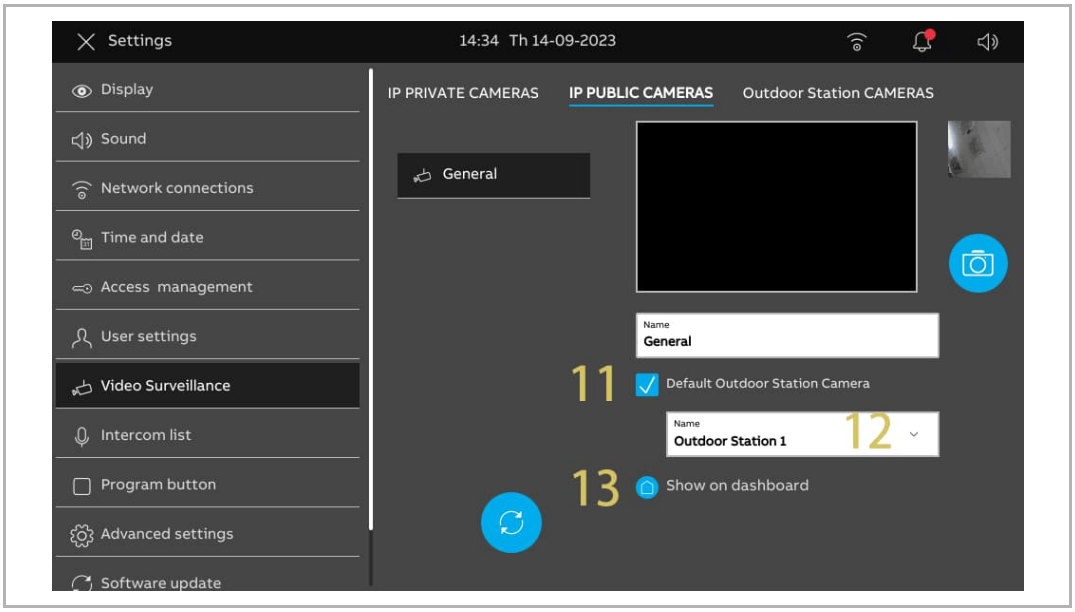
[10] Enter the alias name for the camera.



[11]Tick the check box to set the default camera of the Outdoor Station. "Outdoor Staion cameras" needs to be set before this setting, see chapter 8.3.15 “Configuring Outdoor Station cameras“ on page 78.

[12]Select the designated Outdoor Station from the drop-down list.

[13]Tap " " to add the camera to the dashboard. Tap " " to remove the camera from the dashboard.



2. Removing public cameras

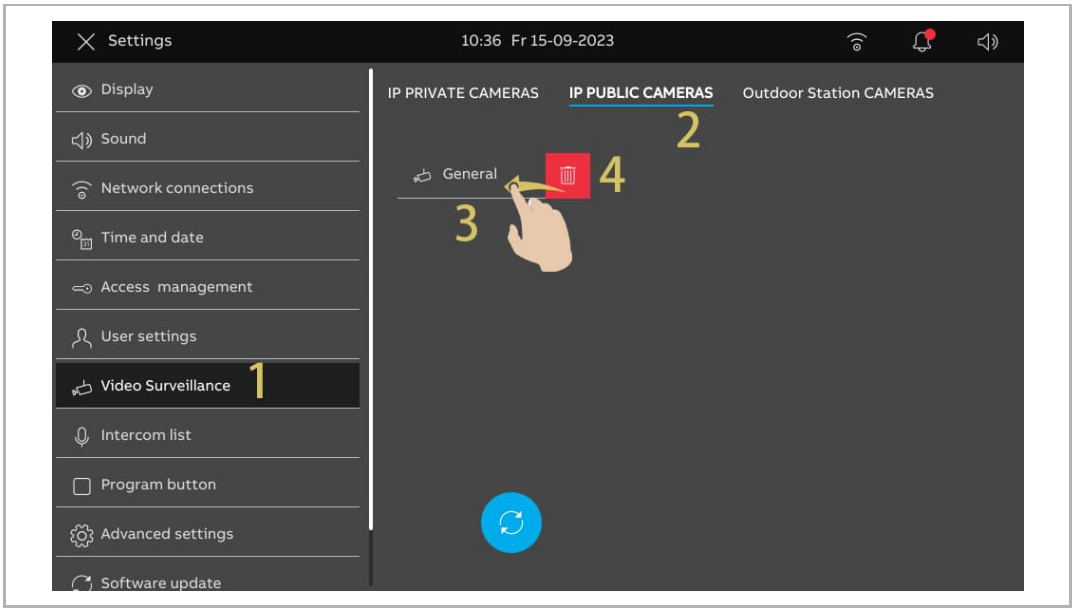
Please follow the steps below:

[1] On the "Settings" screen, tap "Video Surveillance".

[2] Tap "IP public cameras".

[3] Swipe the designate camera to left.

[4] Tap " " to remove it.



8.3.18 Configuring intercom list

1. Adding an intercom

Please follow the steps below:

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

[2] Tap "Intercom list".

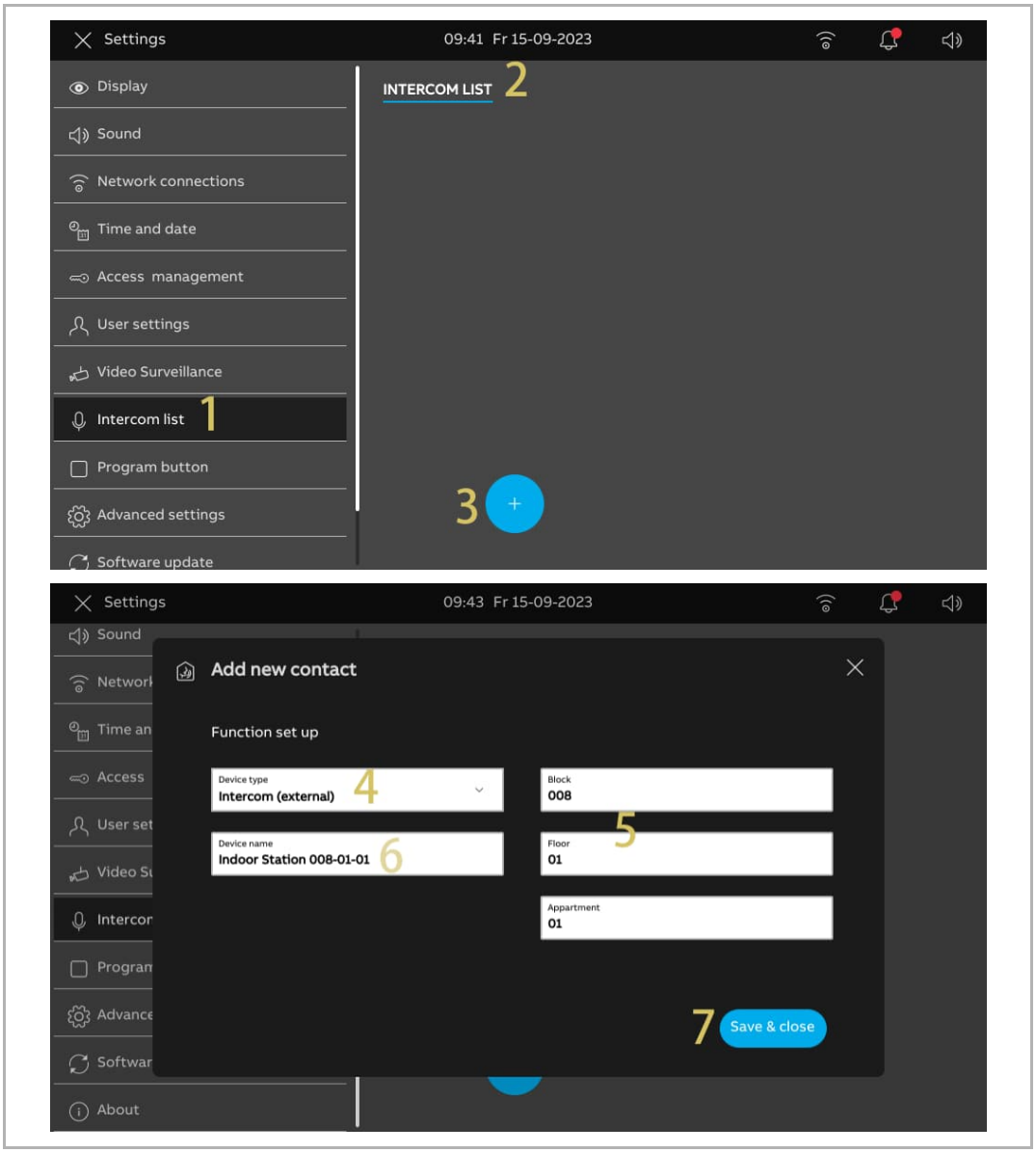
[3] Tap " ".

[4] Select the device type. It can be set to "Intercom (external)", "Intercom (Internal)" or "Guard Unit".

[5] Enter the physical address of the object device.

[6] Device name will be generated automatically. You can also enter the alias name.

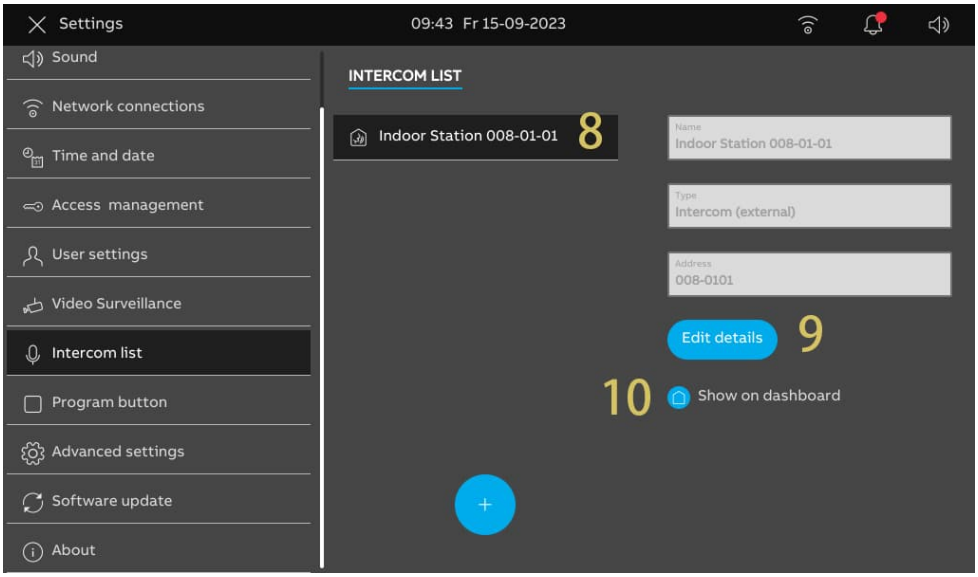
[7] Tap "Save & close".



[8] Tap the designated intercom.

[9] Tap "Edit details" to edit the settings.

[10] The intercom will be added to the dashboard automatically. Tap " " to remove it from the dashboard.



2. Removing an intercom

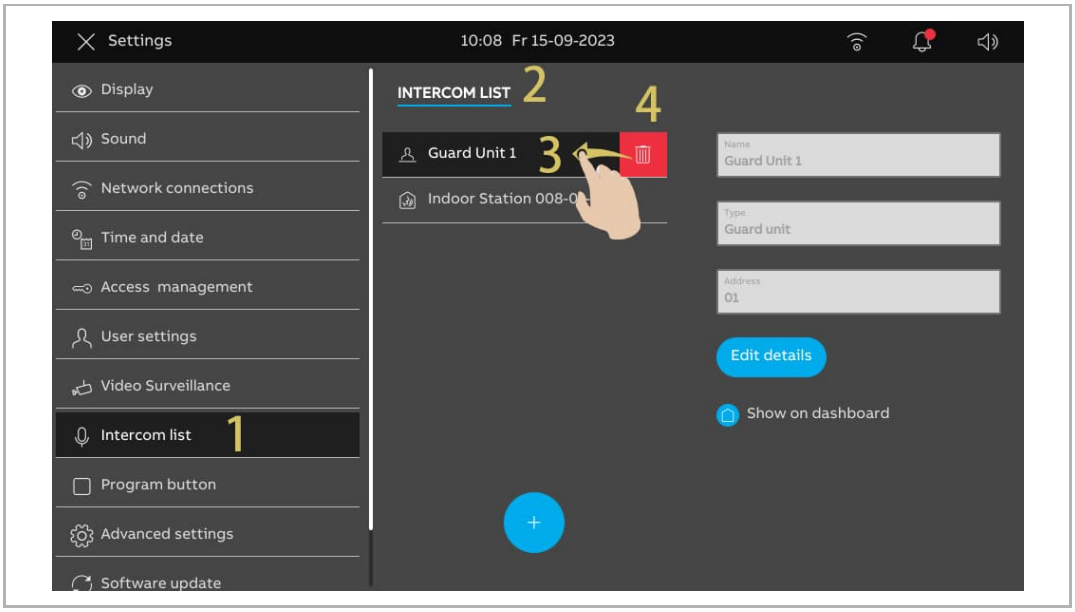
Please follow the steps below:

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

[2] Tap "Intercom list".

[3] Swipe the designate intercom to left.

[4] Tap " " to remove it.



8.3.19 Configuring program buttons

1. Adding a program button

Please follow the steps below:

[1] On the "Settings" screen, tap "Program button".

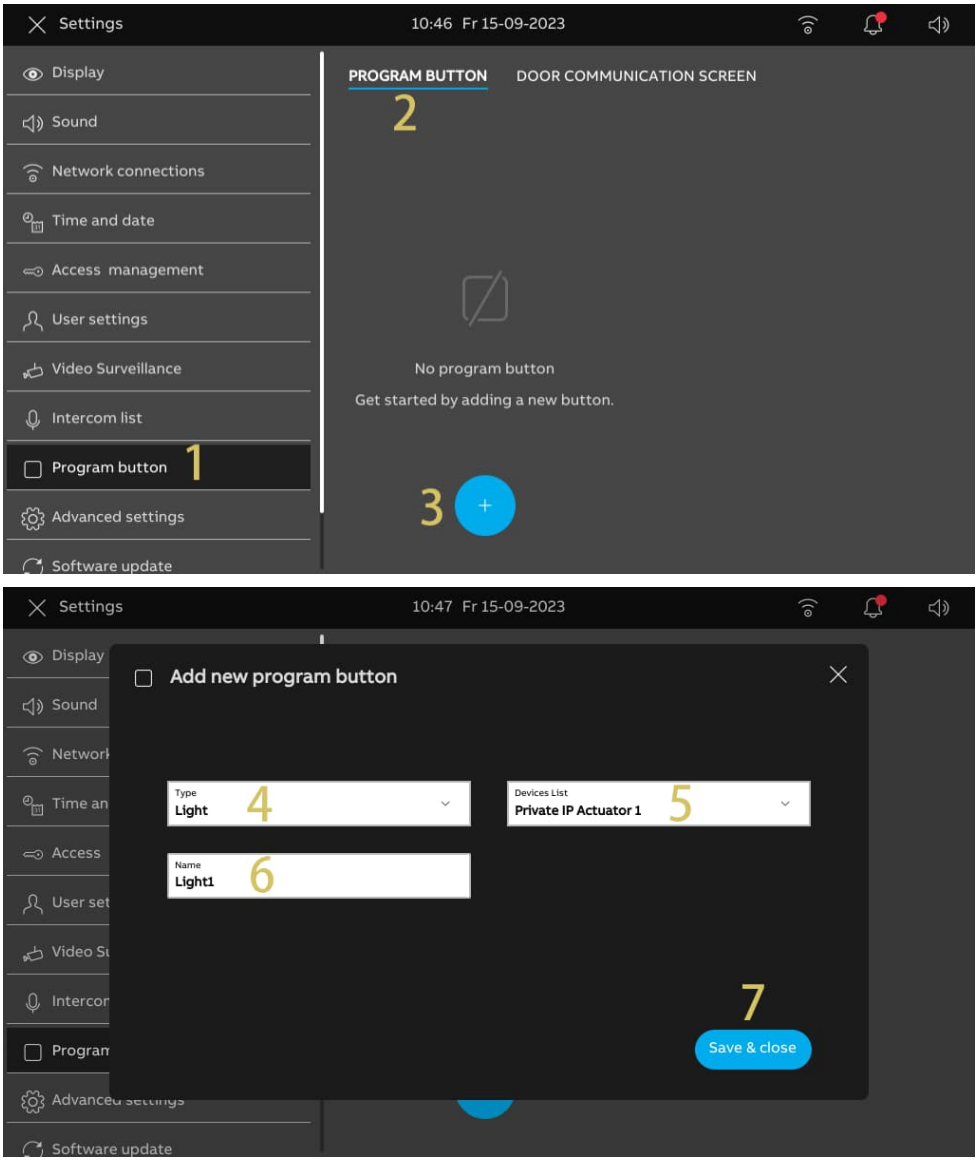
[2] Tap "Program button".

[3] Tap " ".

[4] Select the type from the drop-down list. It can be set to "Lock" or "Light".

[5] Select the associated device from the devices list.

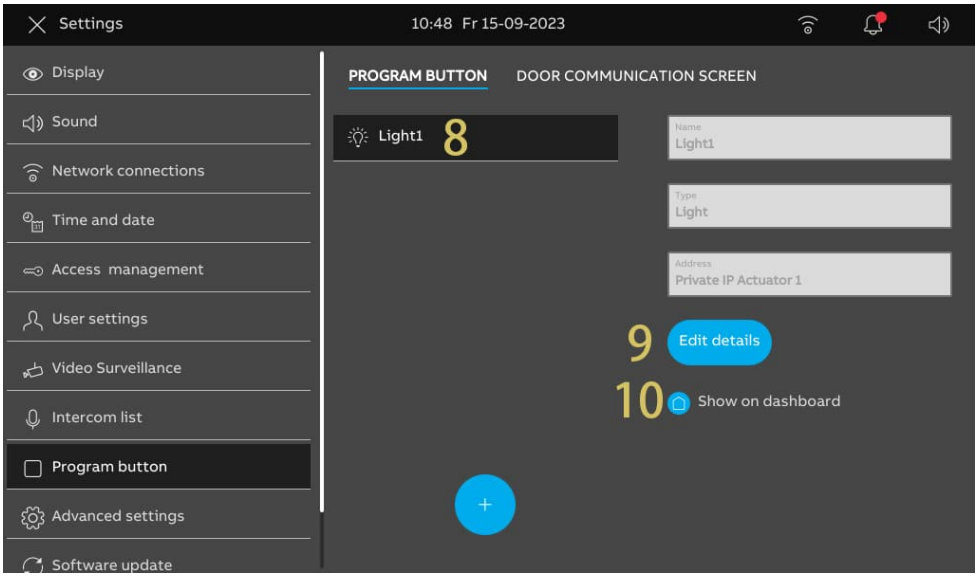
[6] Enter the alias name for the program button.



[7] Tap the designated program button.

[8] Tap "Edit details" to edit the settings.

[9] The program button will be added to the dashboard automatically. Tap " " to remove it from the dashboard.



2. Removing a program button

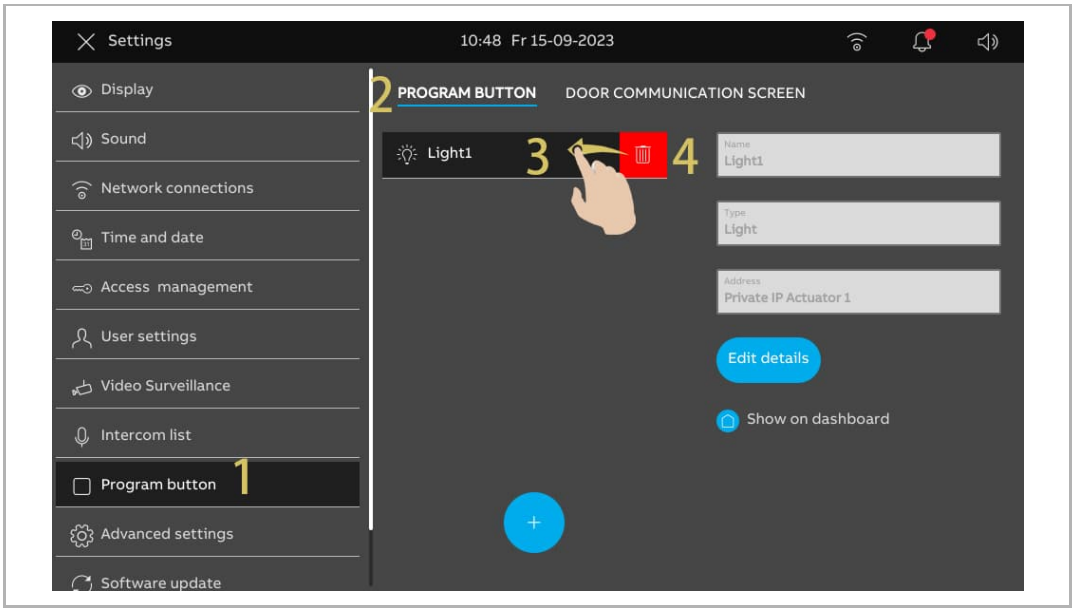
Please follow the steps below:

[1] On the "Settings" screen, tap "Program button".

[2] Tap "Program button".

[3] Swipe the designate program button to left.

[4] Tap " " to remove it.



3. Adding program buttons to the door communication screen

Please follow the steps below:

[1] On the "Settings" screen, tap "Program button".

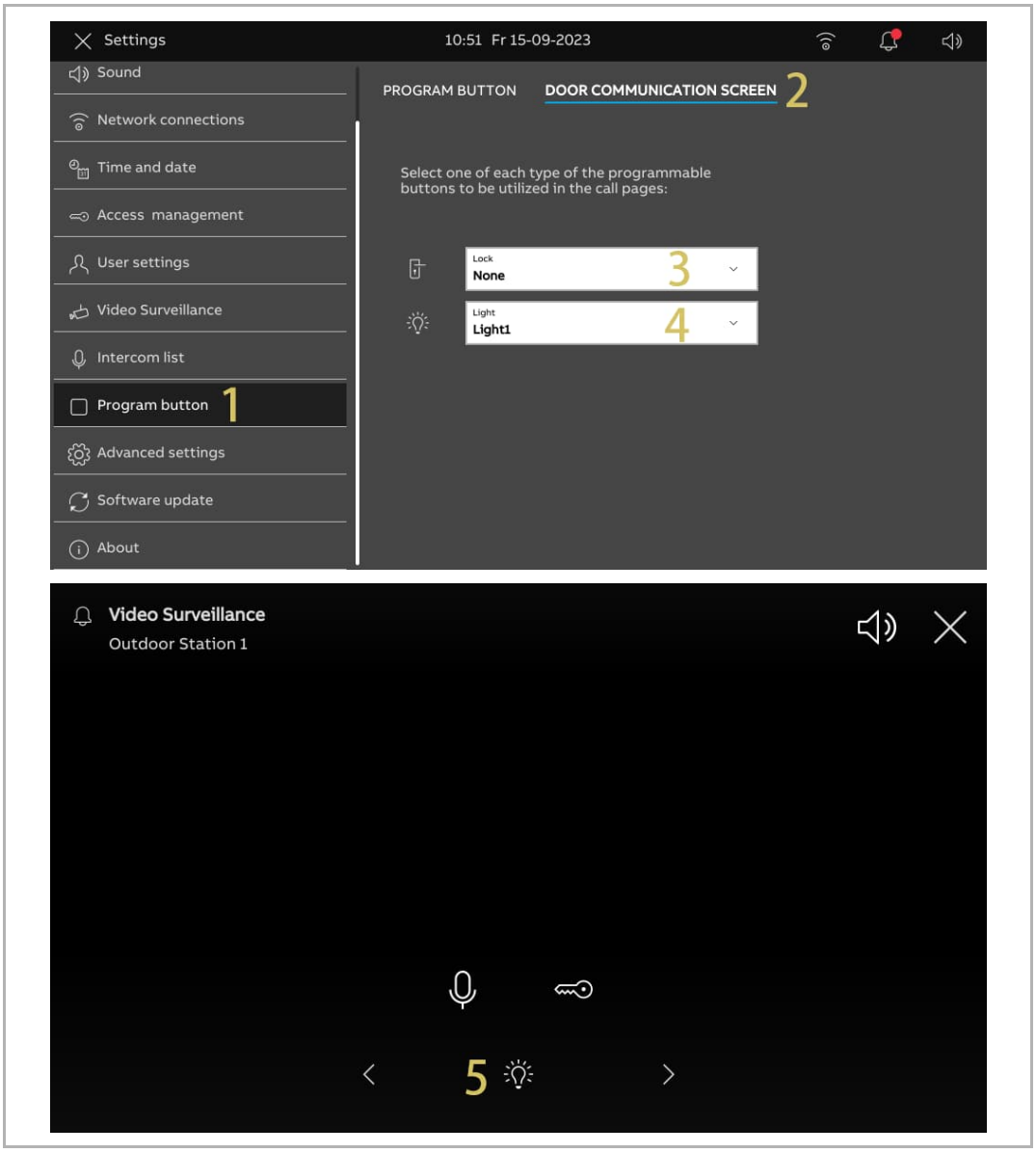
[2] Tap "Door communication screen".

[3] Default value is "None".

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

[5] The designated program button will be displayed on the door communication screen.

Up to 2 program buttons can be added to the door communication screen.



8.3.20 Software update

Please follow the steps below:

[1] On the "Settings" screen, tap "Software update".

[2] Current software version will be displayed on the screen.

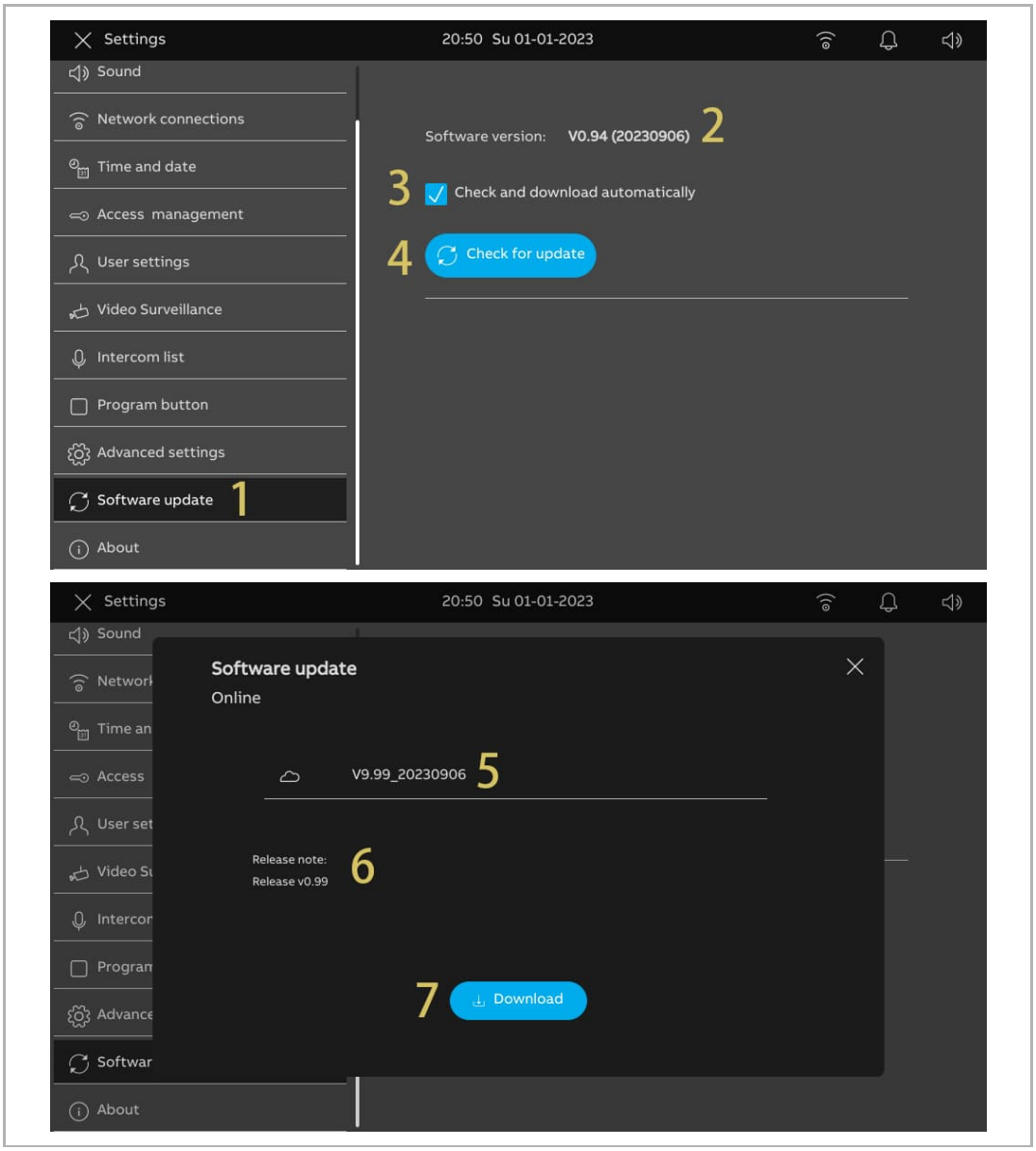
[3] Tick the check box to enable the download function.

[4] Tap "Check for update".

[5] New version will be displayed on the screen.

[6] Release note of new version will be displayed on the screen.

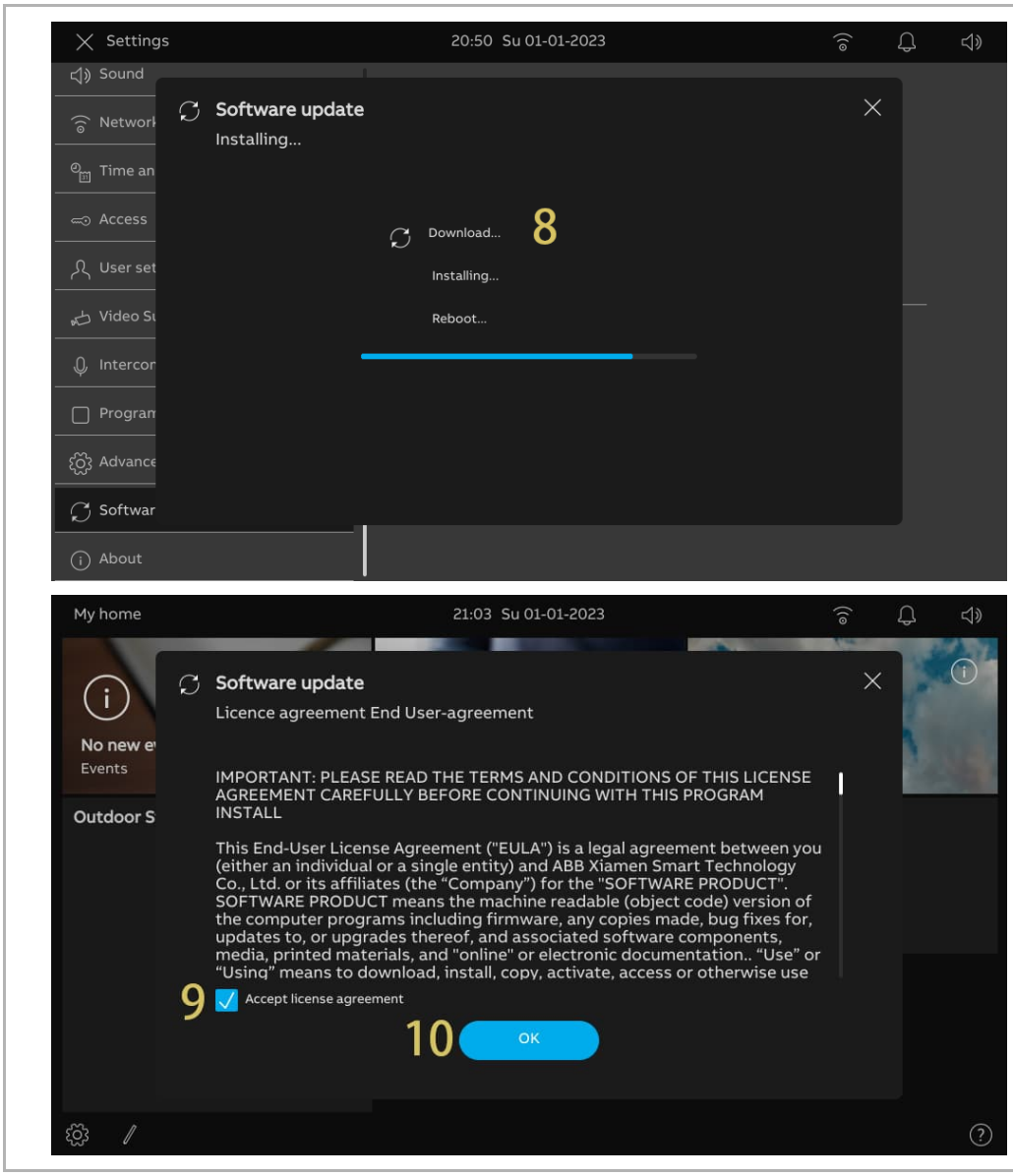
[7] Tap "Download".



[8] It takes some time to download the new software. Please ensure the panel has connect to the external network.

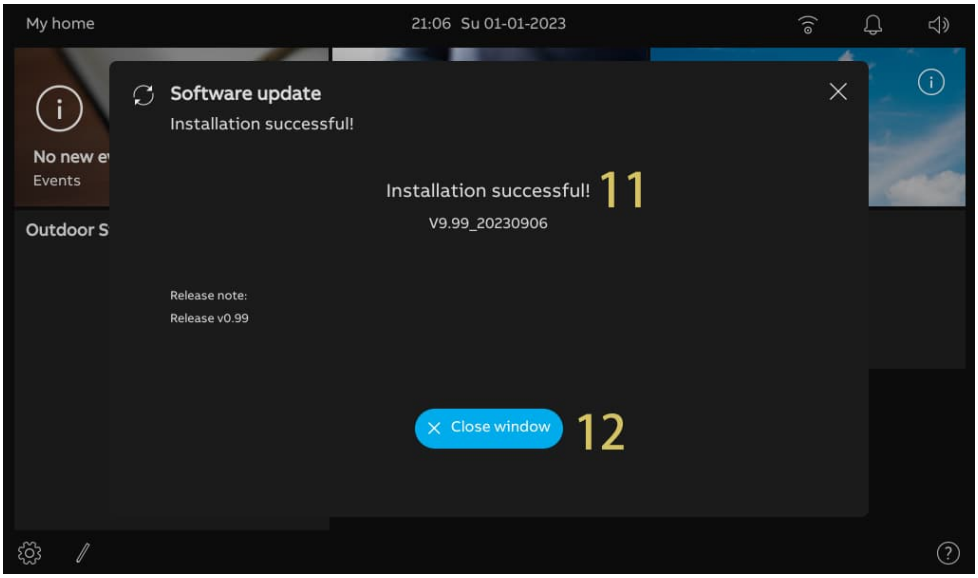
[9] Tick the check box to accept the license.

[10] Tap "OK".



[11]"Installation successful!" will be displayed on the screen if success.

[12]Tap "Close window".



8.3.21 About

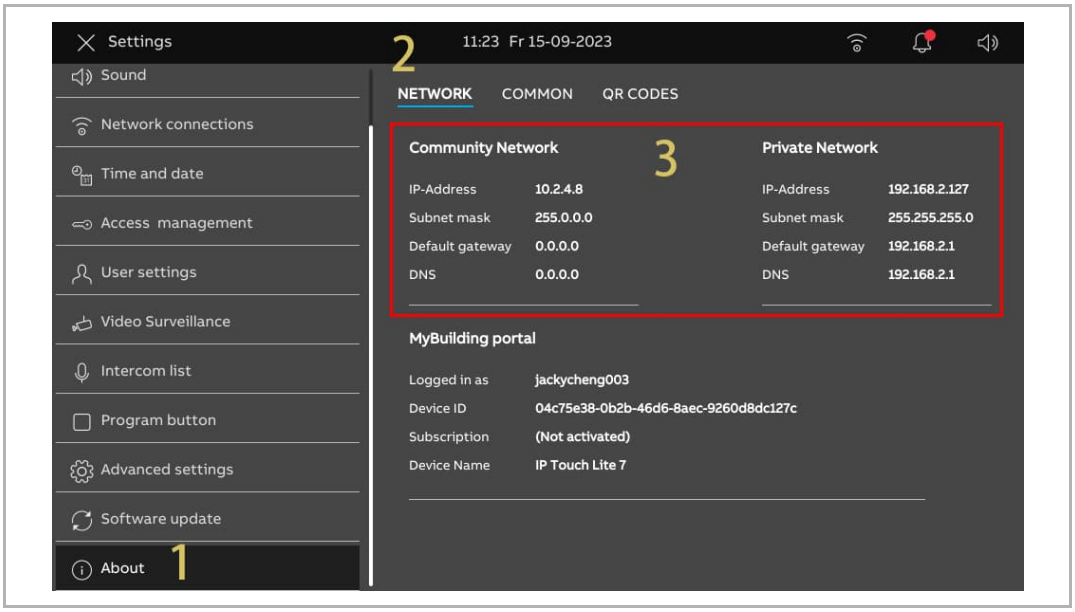
1. View the status of the network

Please follow the steps below:

[1] On the "Settings" screen, tap "About".

[2] Tap "Network".

[3] "Community network" data and "Private network" data will be displayed on the screen.



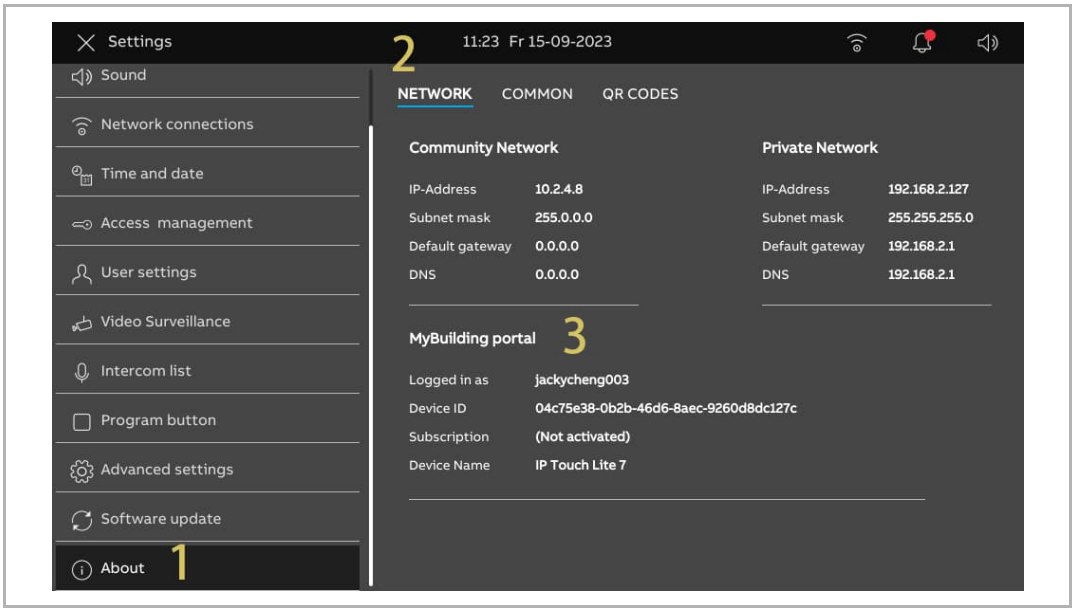
2. View the status of MyBuildings portal

Please follow the steps below:

[1] On the "Settings" screen, tap "About".

[2] Tap "Network".

[3] "MyBuildings portal" data will be displayed on the screen.



3. View the basic information

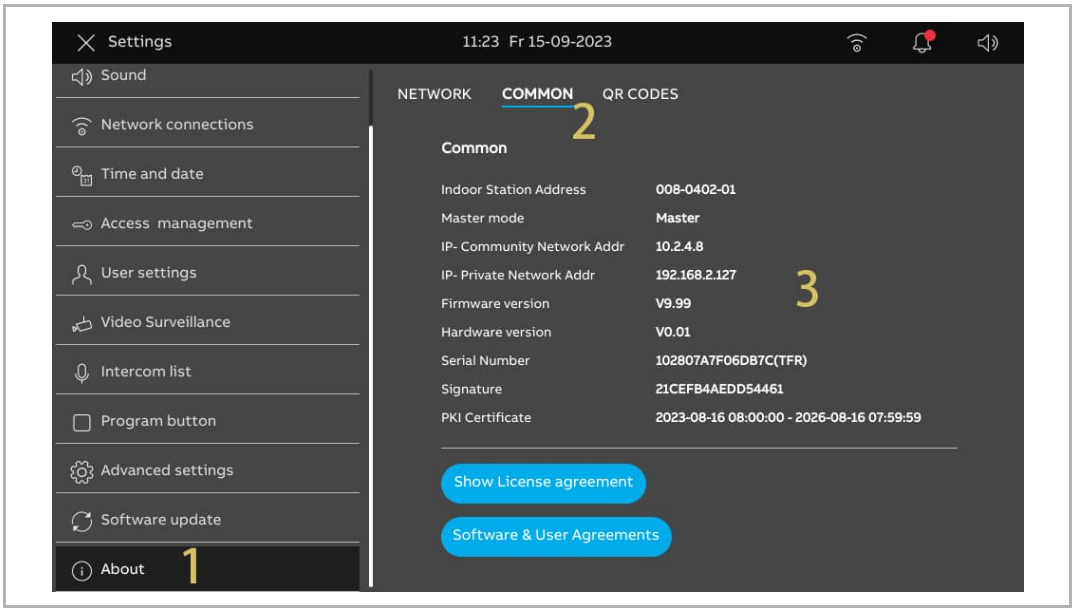
Please follow the steps below:

[1] On the "Settings" screen, tap "About".

[2] Tap "Common".

[3] The following basic information will be displayed on the screen.

- Physical address
- Master mode
- Community network address & private network address
- Firmware version & hardware version
- Serial number
- Signature
- License agreement



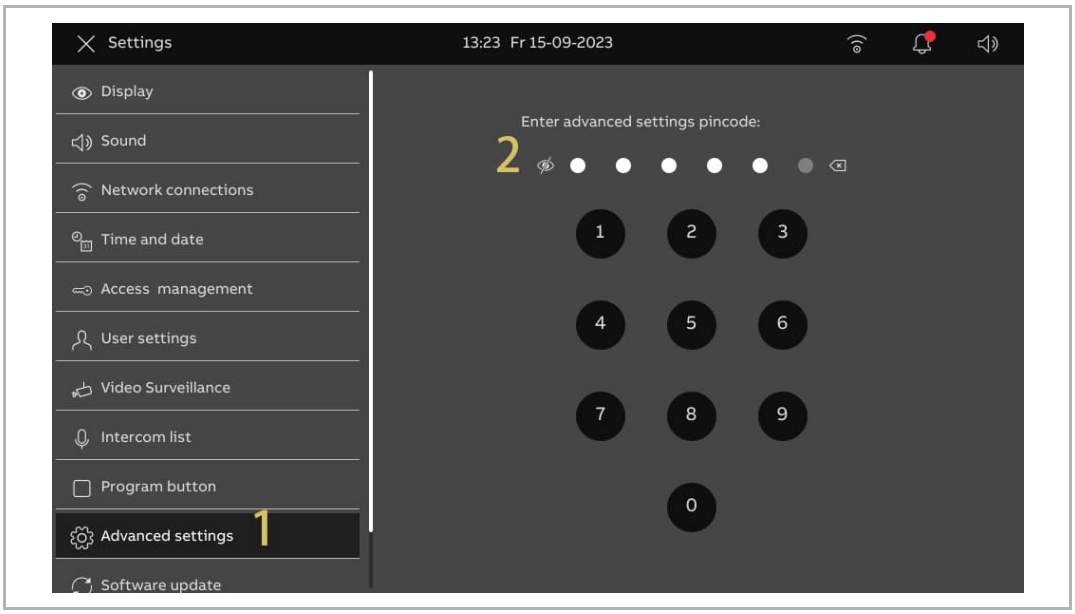
8.4 Advanced settings

8.4.1 Accessing the "Advanced settings" screen

Please follow the steps below:

[1] On the "Settings" screen, tap "Advanced settings".

[2] Enter the advanced password (The system default advanced password is 345678). The user must change it when accessing the advanced settings for the first time, see chapter 8.3.7 “Changing advanced setting password“ on page 65.



8.4.2 Configuring the phsical address

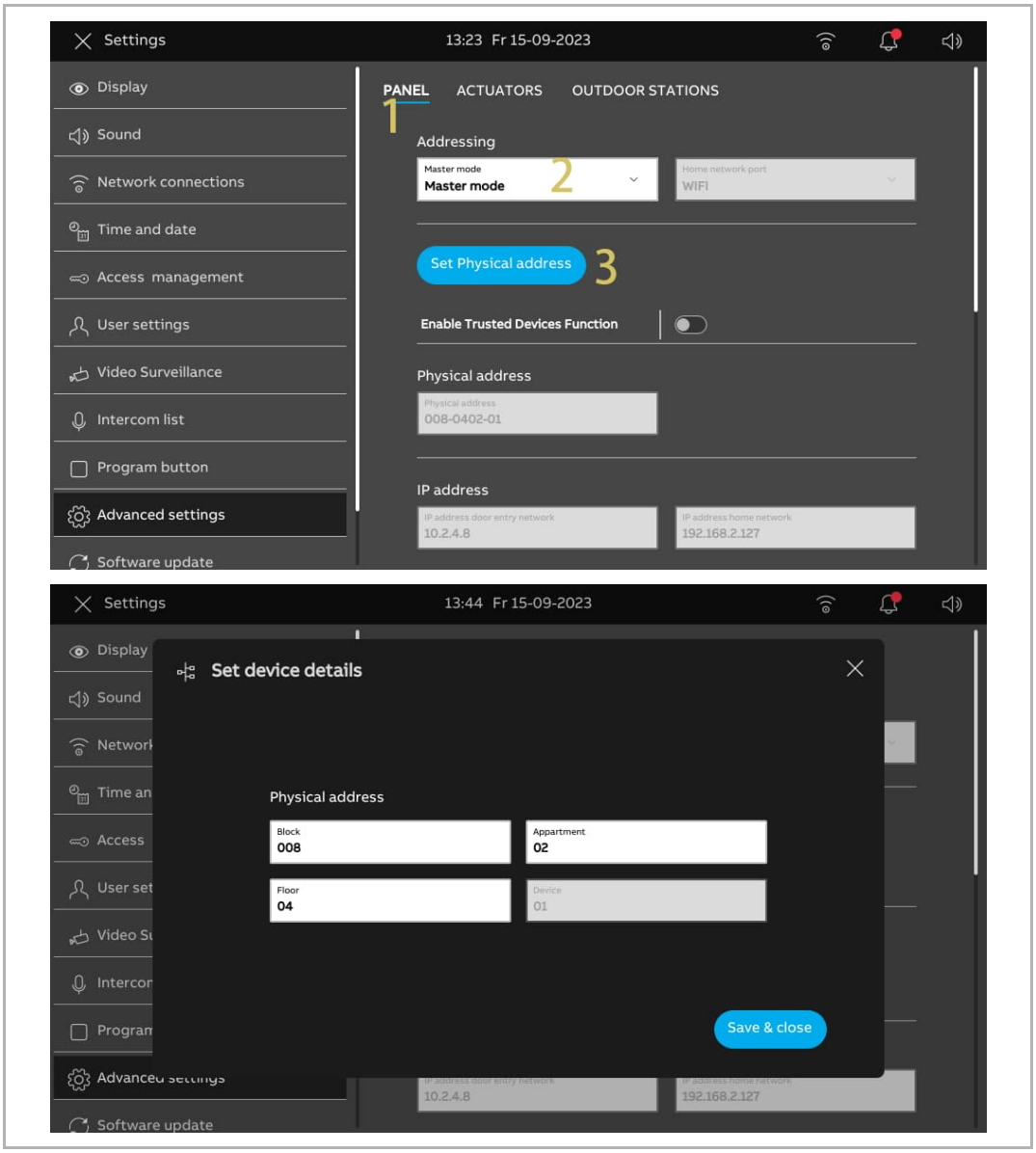
Please follow the steps below:

[1] On the "Advanced settings" screen, tap "Panel".

[2] Select the device mode from the drop-down list. It can be set to "Master mode" or "Subsidiary mode".

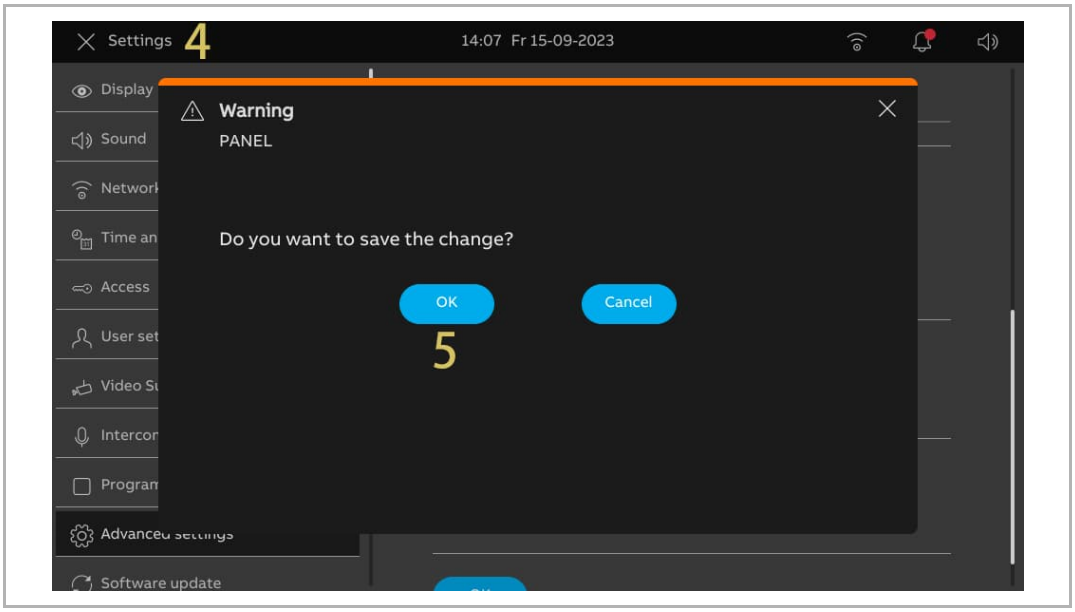
- Only one panel can be set to "Master mode" in the same apartment.

[3] Tap "Set physical address" to set the physical address.



[4] Tap "X Settings" to exit the setting.

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



8.4.3 Configuring the "Manual snapshot" function

If this function is enabled, you can take snapshots during a door communication.

Please follow the steps below:

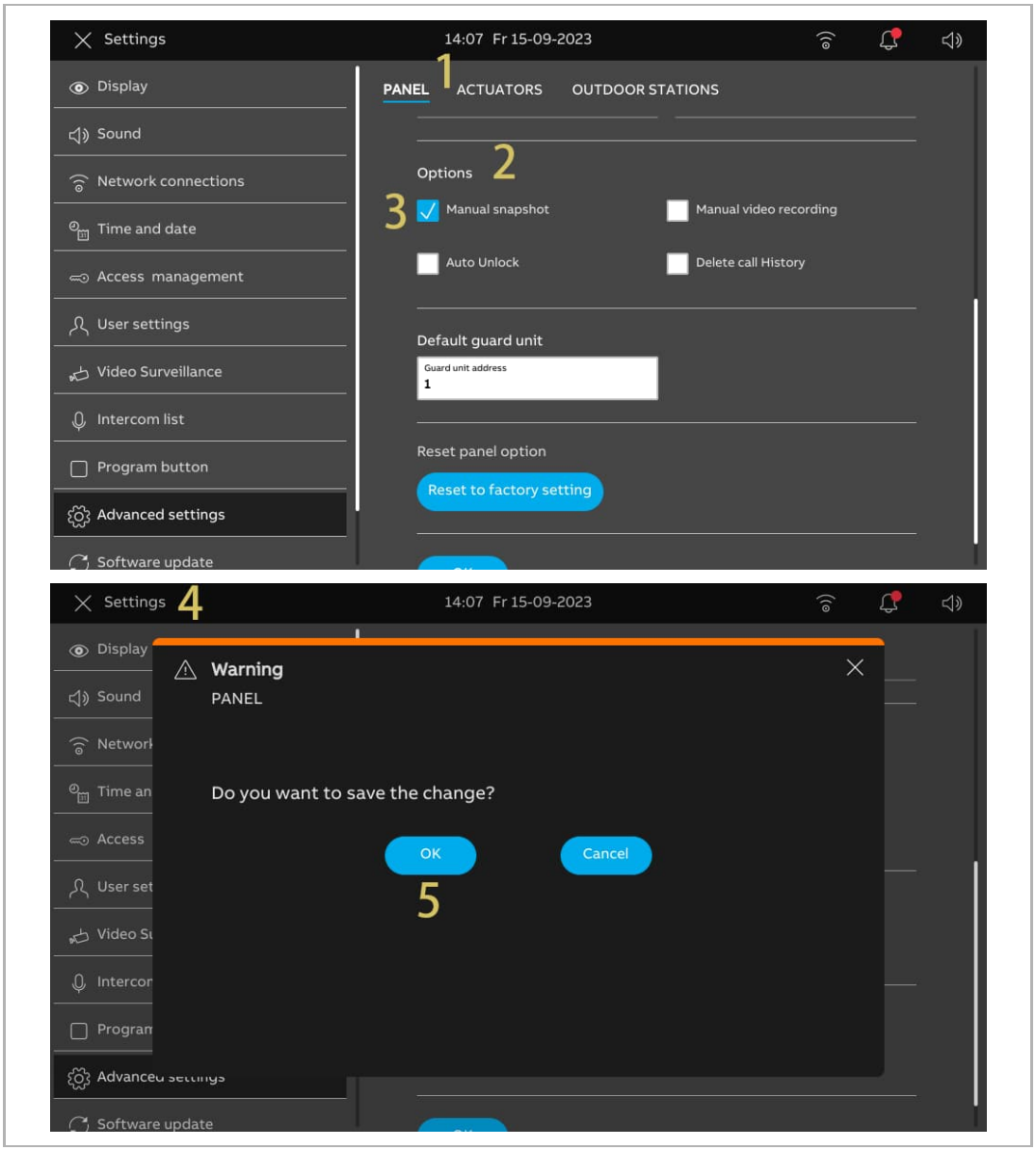
[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Options" section.

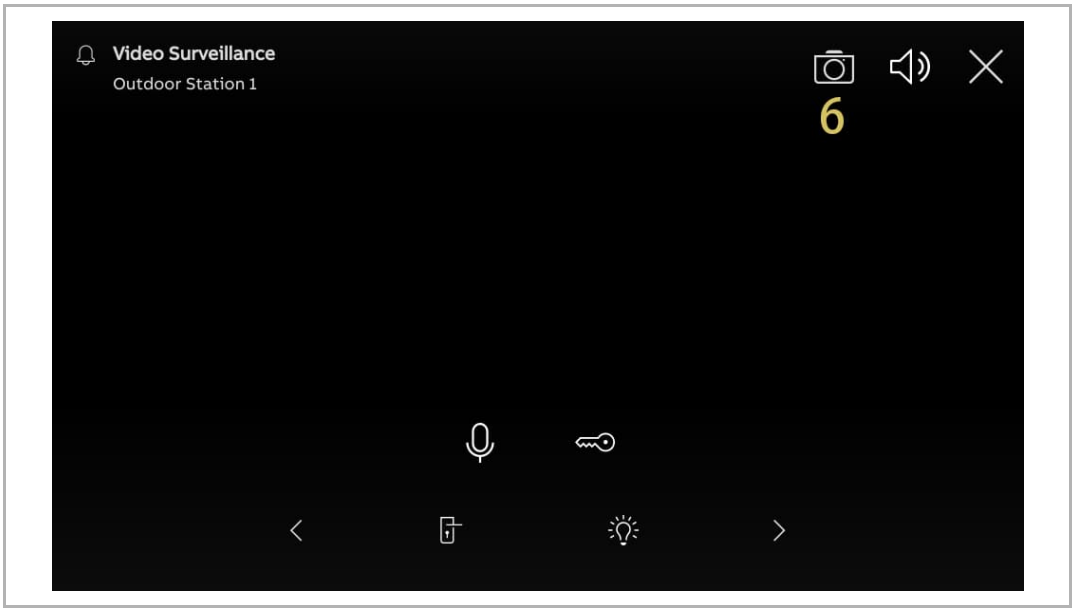
[3] Tick the check box to enable the function.

[4] Tap "X Settings" to exit the setting.

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



[6] After the setting, " " will be displayed on the door communication screen. You can tap the icon to take snapshots as you need. Maximum 3 snapshots can be taken for each door communication.



8.4.4 Configuring the "Manual video recording" function

If this function is enabled, you can record a video during a door communication.

Please follow the steps below:

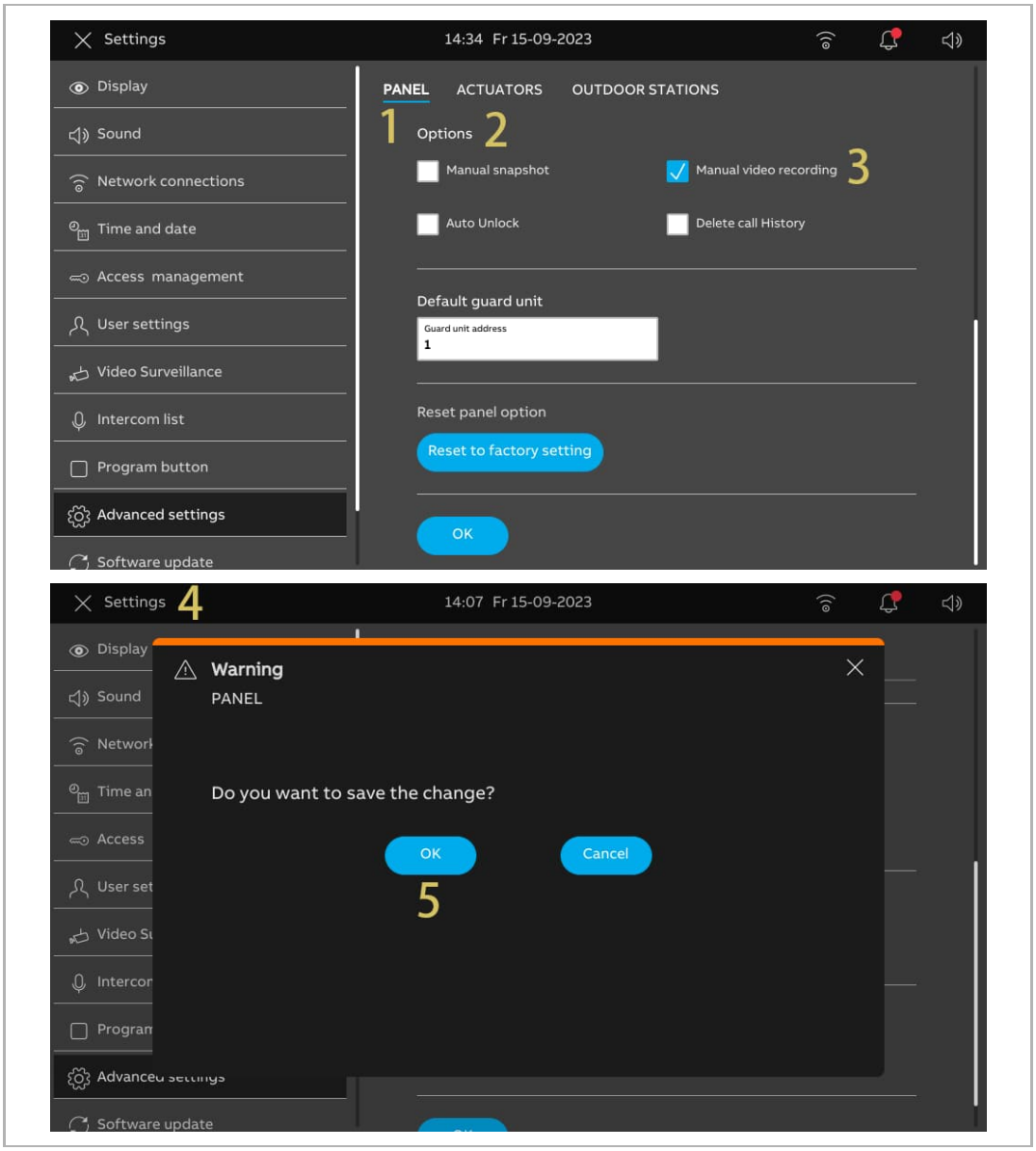
[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Options" section.

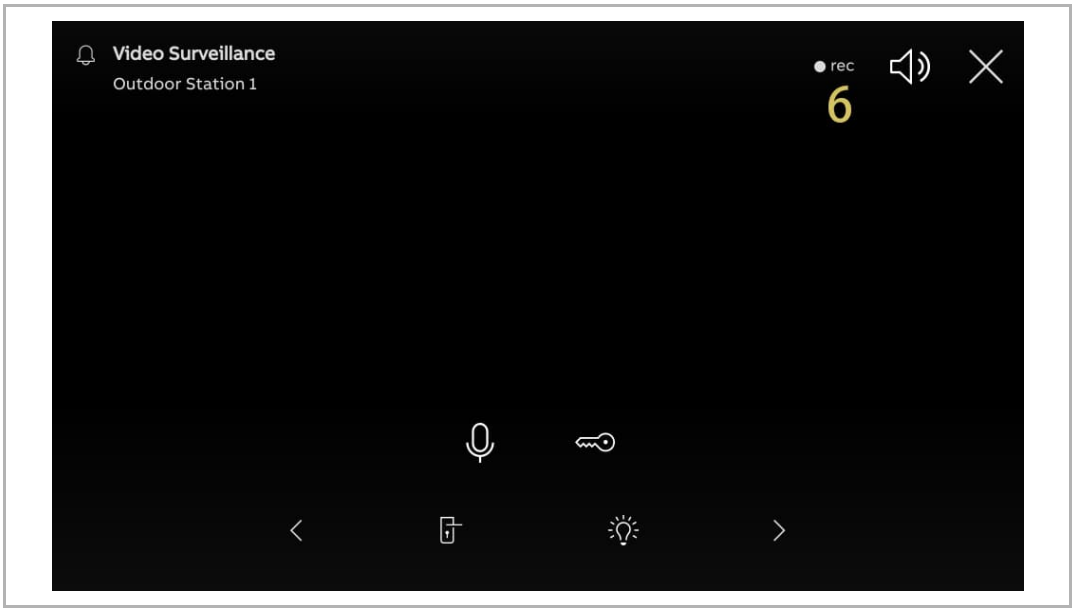
[3] Tick the check box to enable the function.

[4] Tap "X Settings" to exit the setting.

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



[6] After the setting, " ● rec " will be displayed on the door communication screen. You can tap this icon to start record a video. Maximum 120 seconds video can be recorded for each call.



8.4.5 Configuring the "Auto unlock" function

If this function is enabled, the panel will release the lock on the Outdoor Station automatically after 5 seconds during an incoming call.

This function can only be set on the "Master mode" panel.

Please follow the steps below:

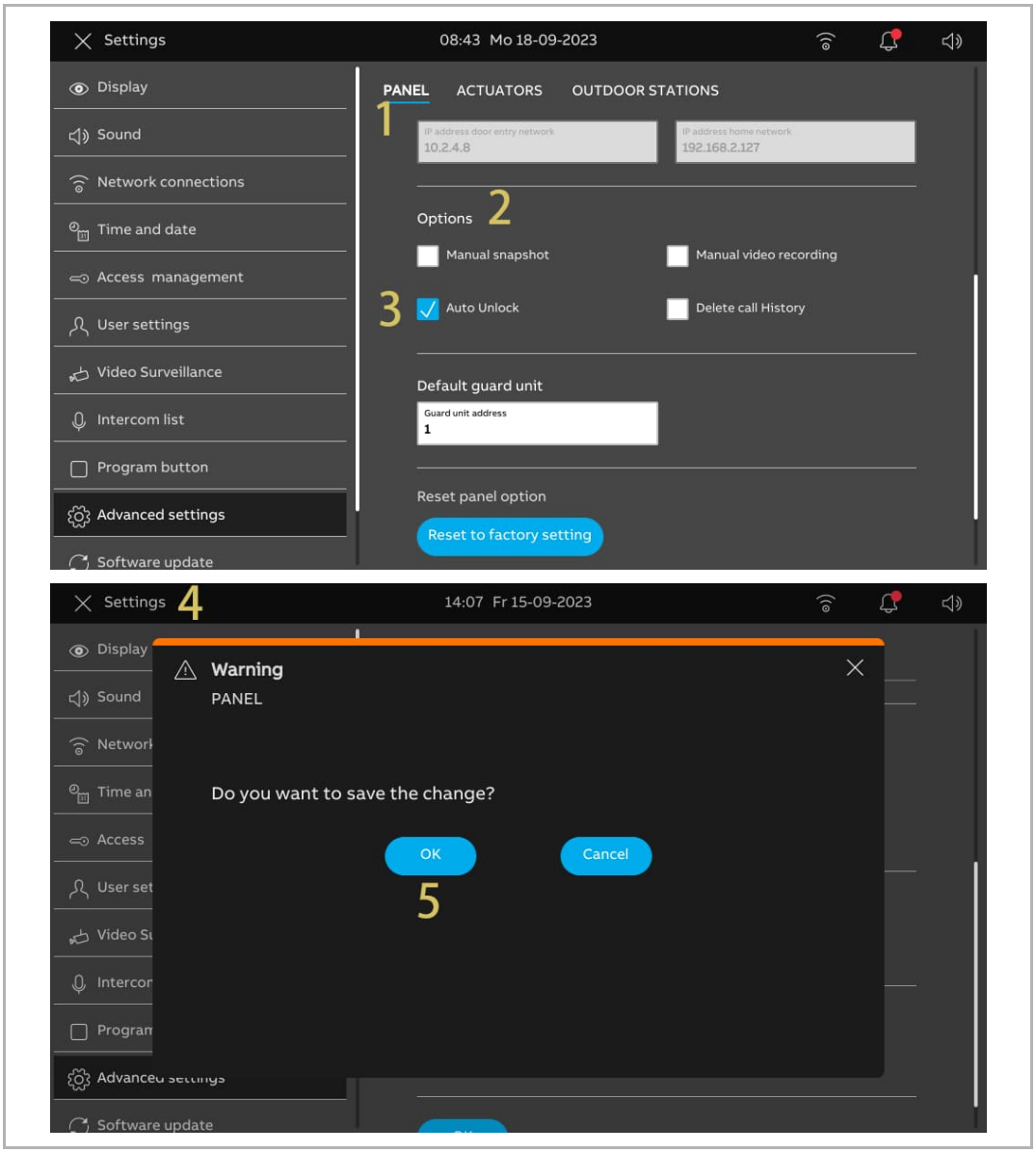
[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Options" section.

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

[4] Tap "X Settings" to exit the setting.

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



[6] On the "Settings" screen, tap "User settings".

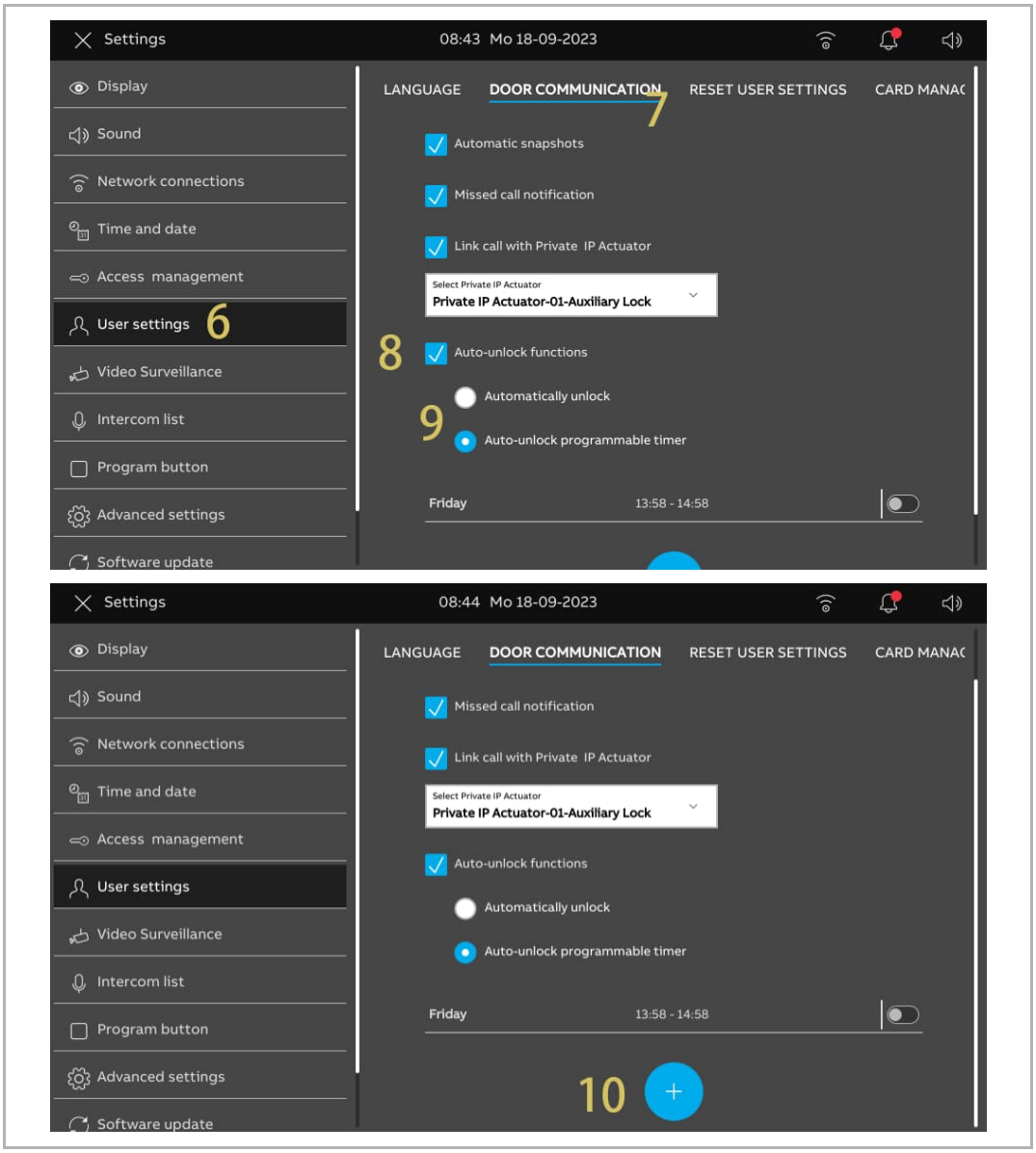
[7] Tap "Door communication".

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

[9] Select the unlock mode.

- Automatically unlock = automatically unlock at any time, skip the subsequent steps.
- Auto-unlock programmable timer = automatically unlock at the specific time, continue from step 10.

[10]If "Auto-unlock programmable time" is selected, tap " ".



[11]Set "Start time" and "End time".

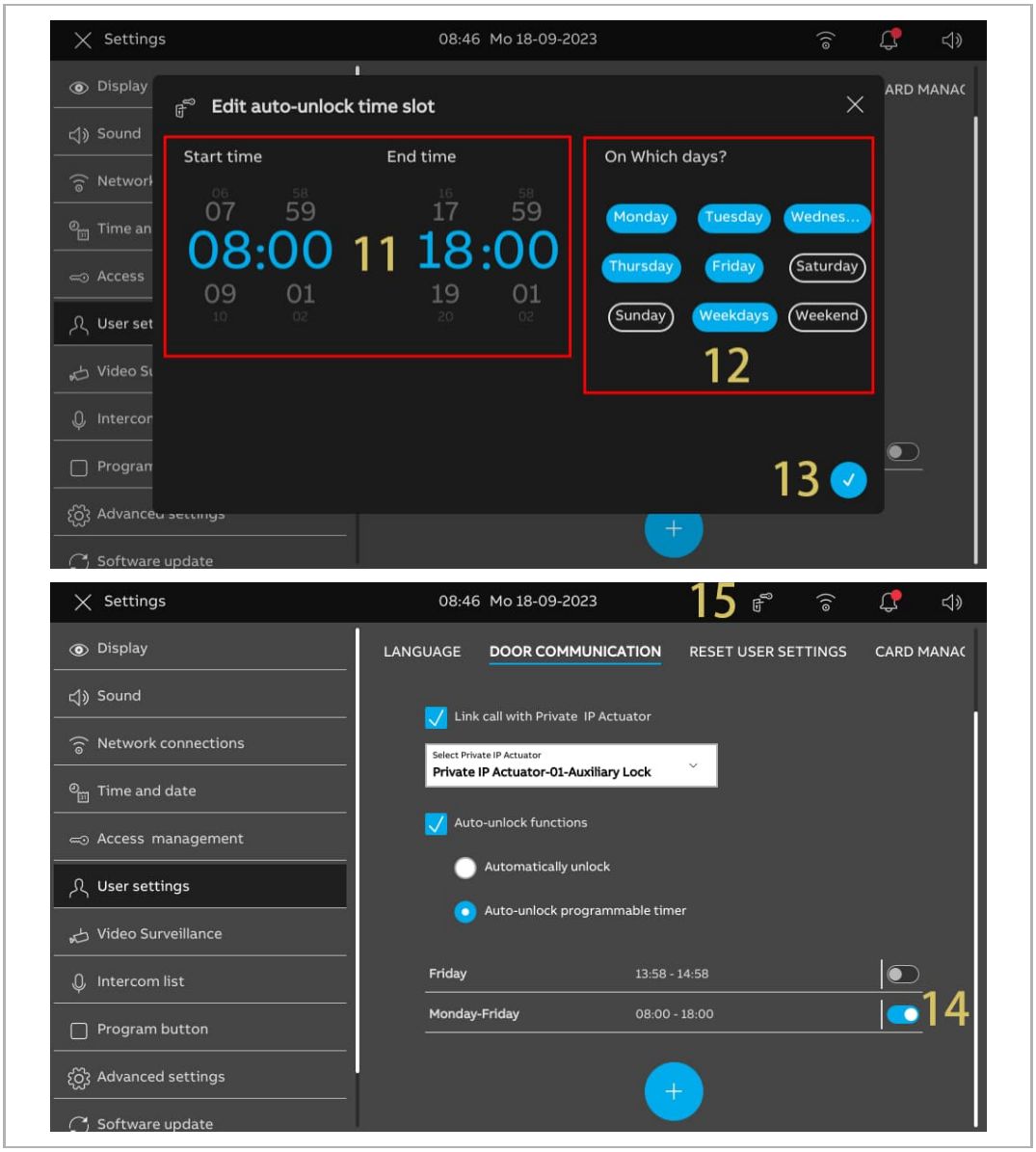
[12]Select the designated days.

- Tap the designated day to select it or invert the selection.
- Tap "Weekdays" to select 5 working days together.
- Tap "Weekend" to select "Saturday" and "Sunday" together.

[13]Tap " " to complete the setting.

[14]Ensure the function is enabled.

[15]" " will be displayed on the status bar if the function is activated.



8.4.6 Configuring the "Delete call history" function

Call history records can't be removed by default.

Please follow the steps to enable the delete function.

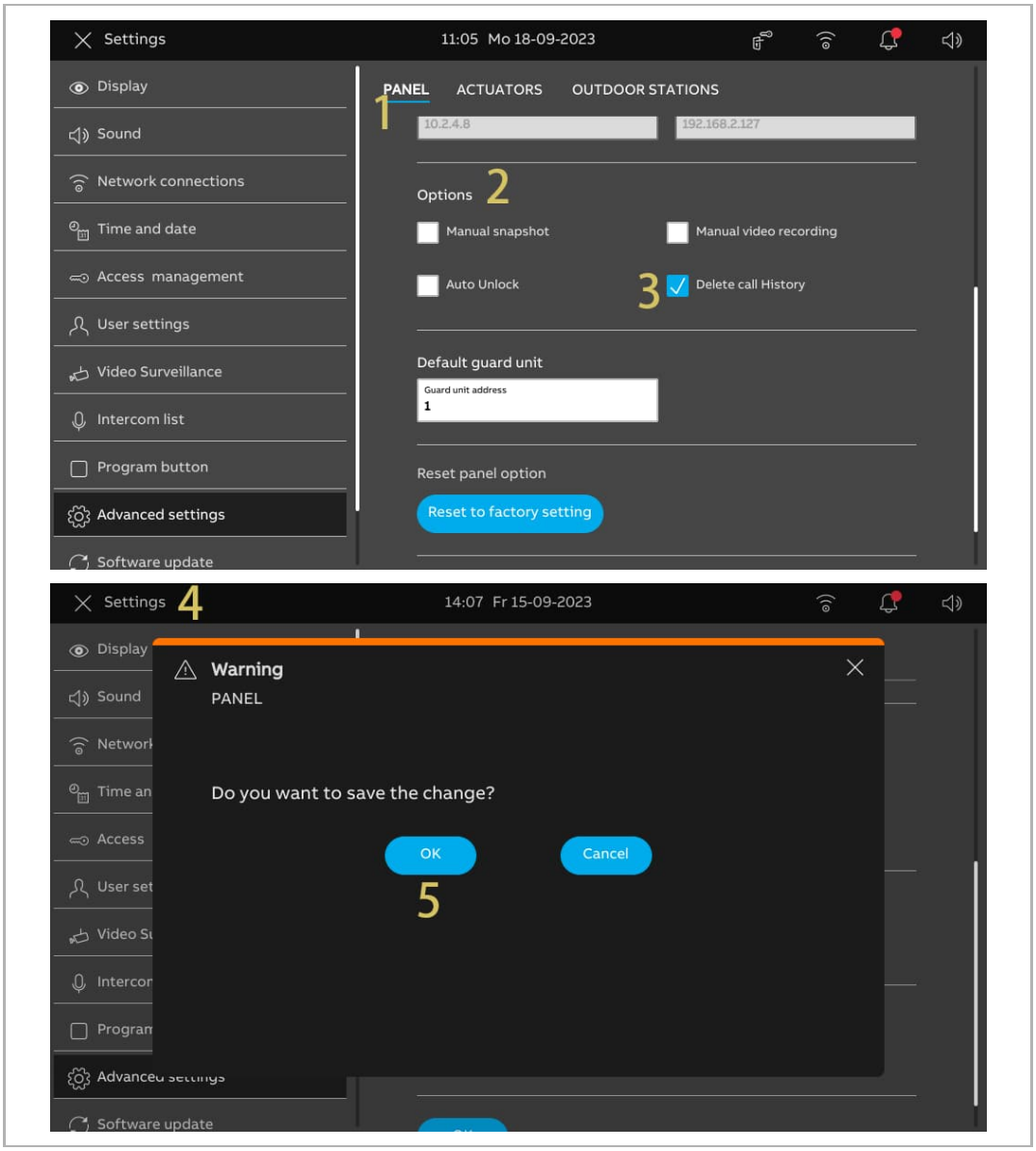
[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Options" section.

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

[4] Tap "X Settings" to exit the setting.

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

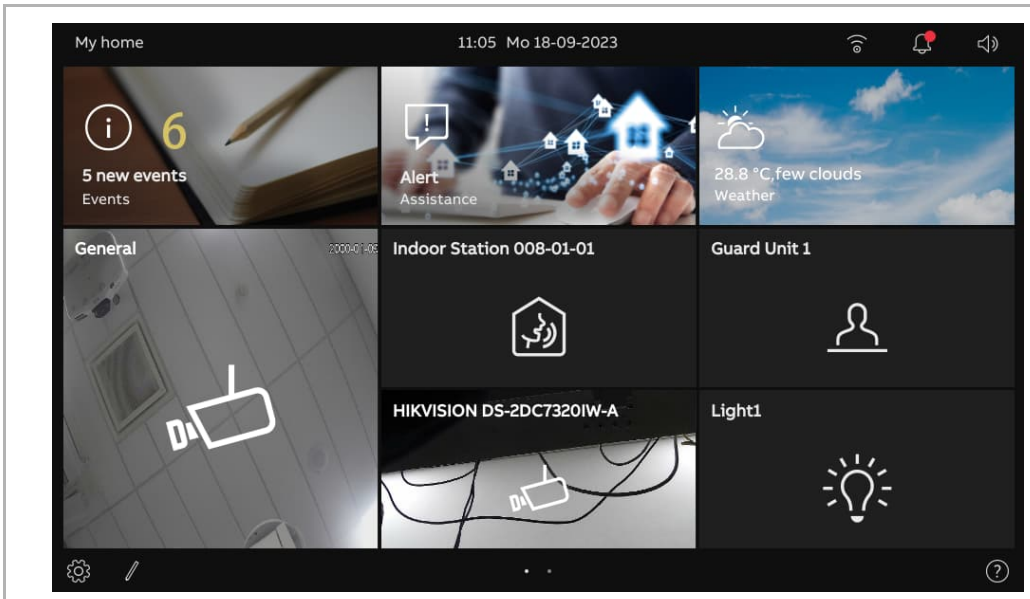


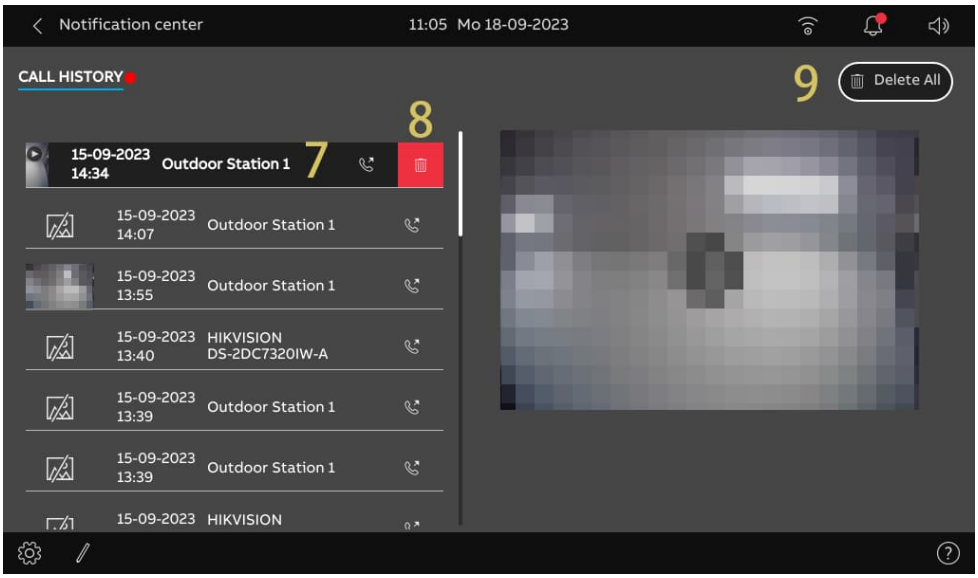
[6] On the dashboard, tap the "Events" module.

[7] On the "Notification center" screen, swipe the designated record to left.

[8] Tap " " to remove the record.

[9] Tap "Delete all" will remove all the history records.





8.4.7 Configuring the address of default Guard Unit

Please follow the steps below:

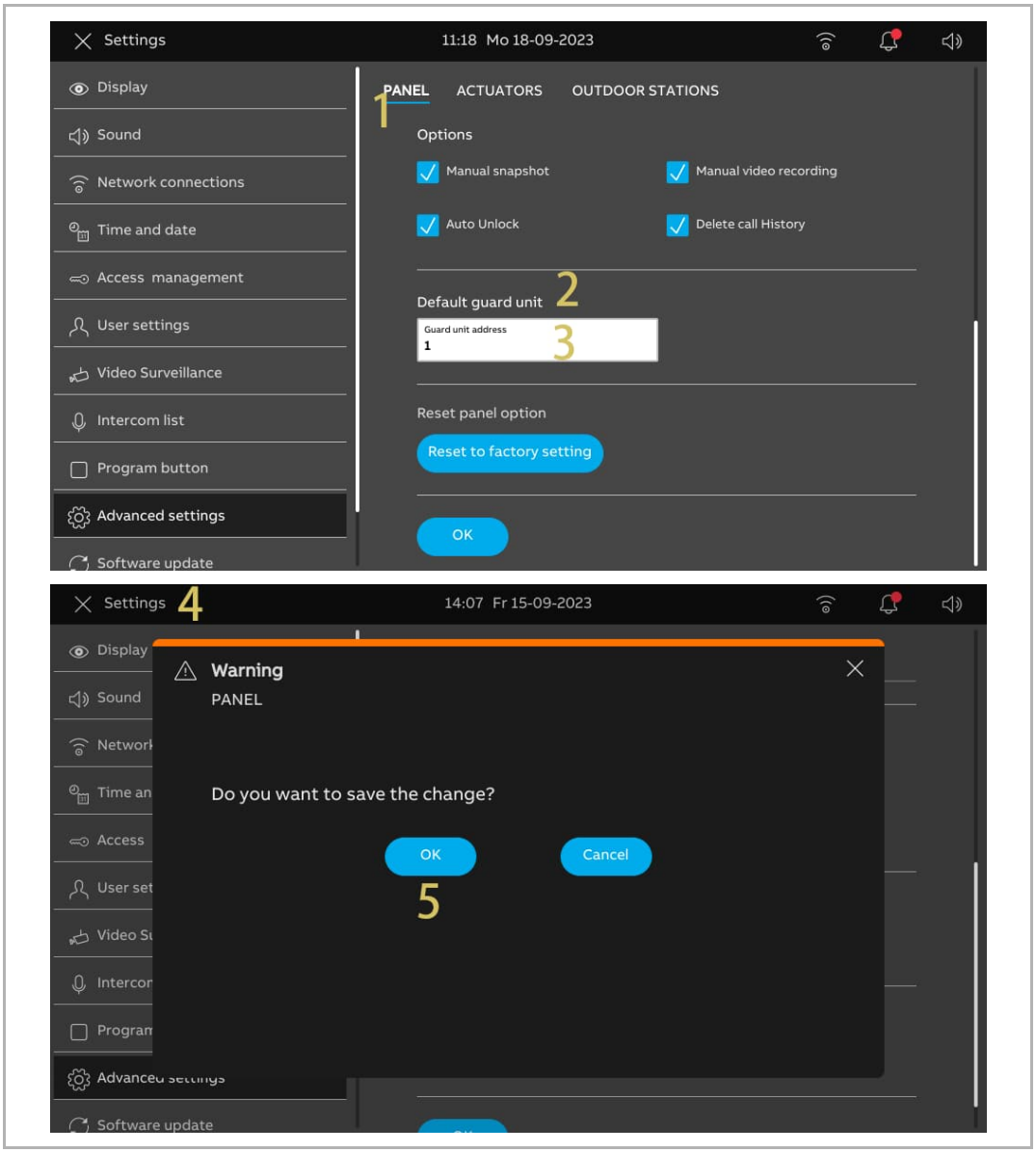
[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Default Guard Unit" section.

[3] Enter the address (1...32).

[4] Tap "X Settings" to exit the setting.

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



8.4.8 Resetoring to factory default

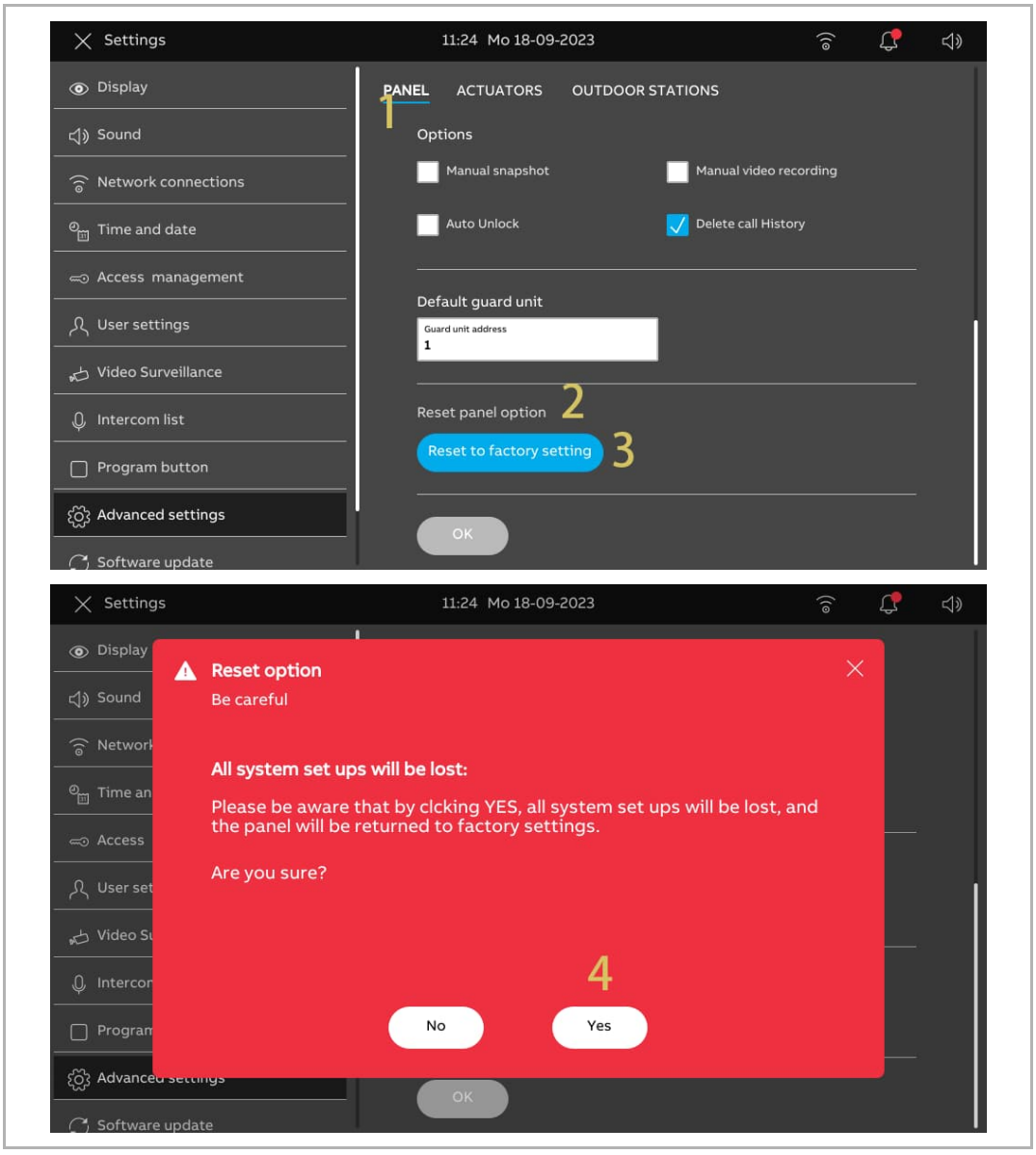
Please follow the steps below:

[1] On the "Advanced settings" screen, tap "Panel".

[2] Go to the "Reset panel option" section.

[3] Tap "Reset to factory setting".

[4] Tap "Yes".



8.5 Configuring the IP Actuator

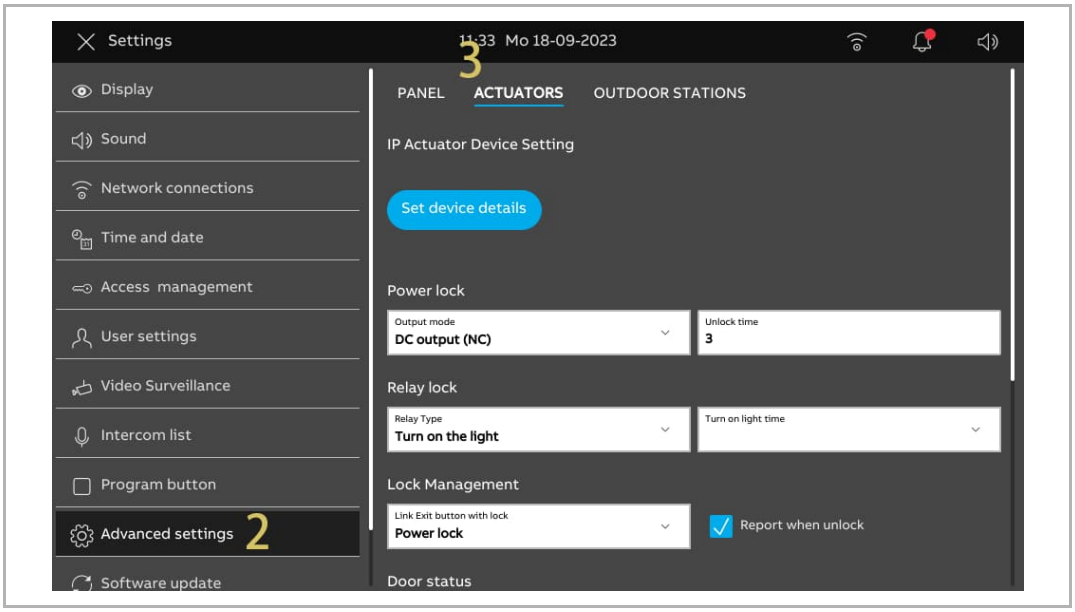
8.5.1 Accessing the "Actuators" screen

Please follow the steps below:

[1] 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.

[2] On the "Settings" screen of the panel, tap "Advanced settings".

[3] Tap "Actuators" to access the corresponding screen.



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

8.5.2 Configuring the device type

1. Configuring network IP Actuator

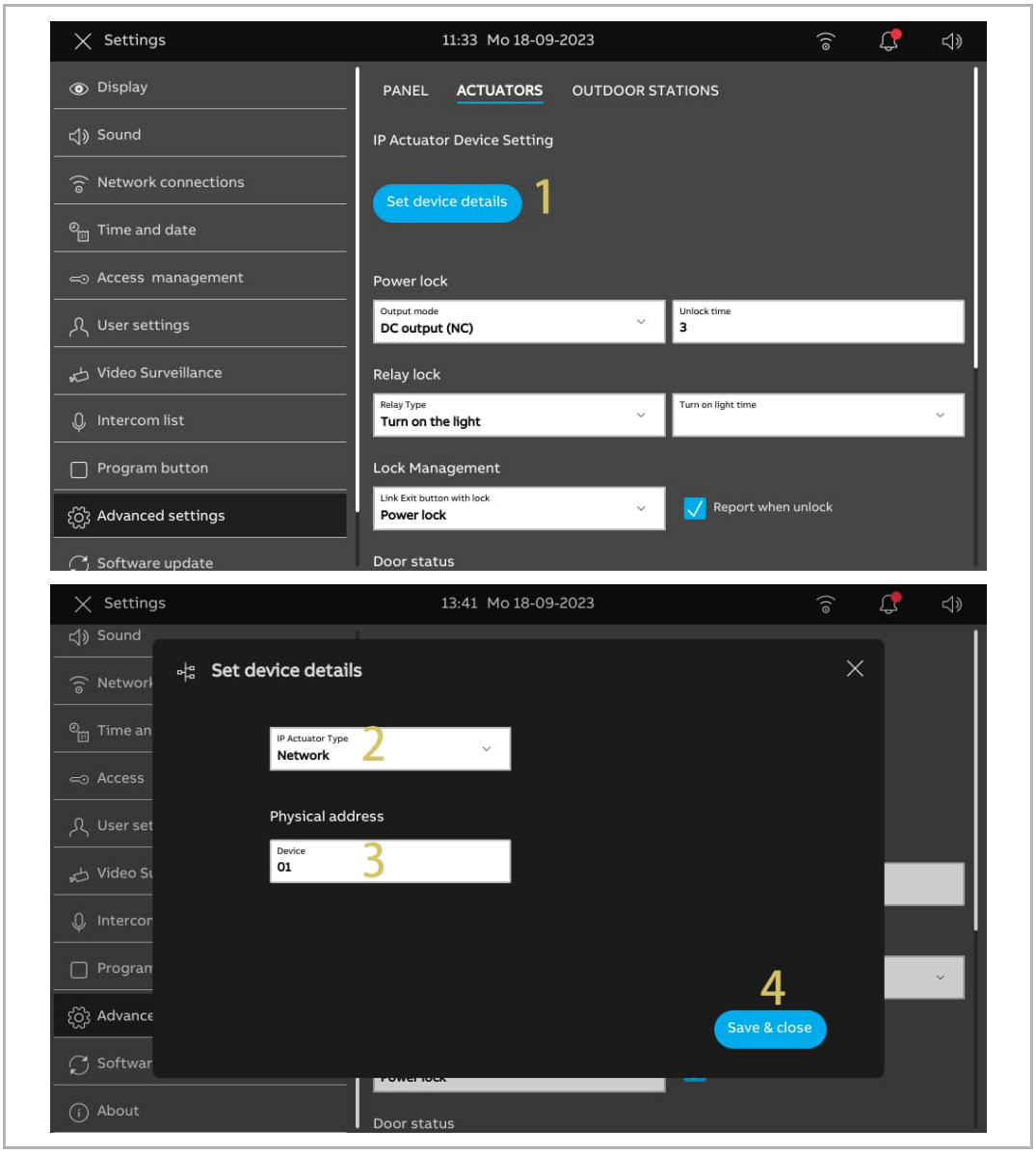
Please follow the steps below:

[1] On the "Actuators" screen, go to the "IP Actuator device setting" section, tap "Set device details".

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

[3] Enter the device number (01…32).

[4] Tap "Save & close".



2. Configuring building IP actuator

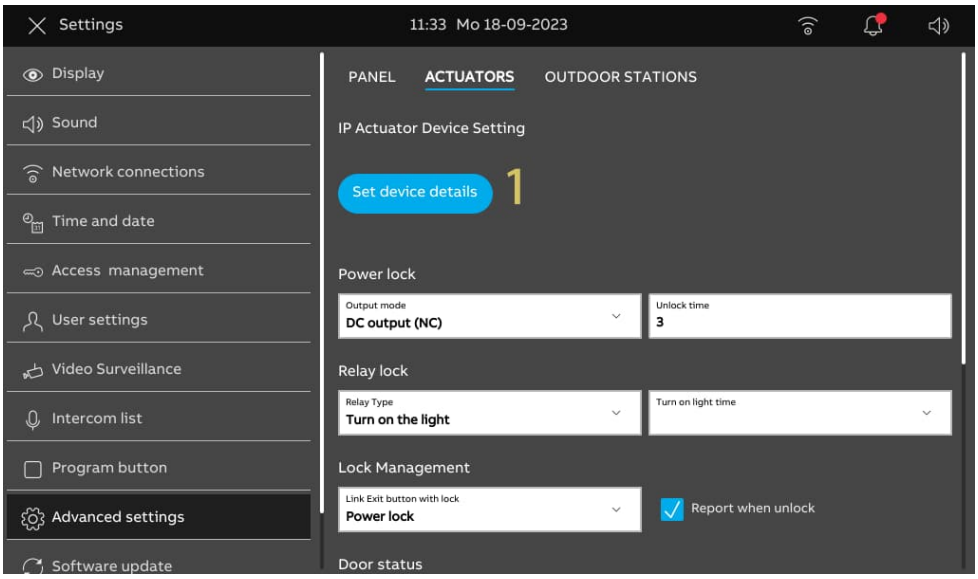
Please follow the steps below:

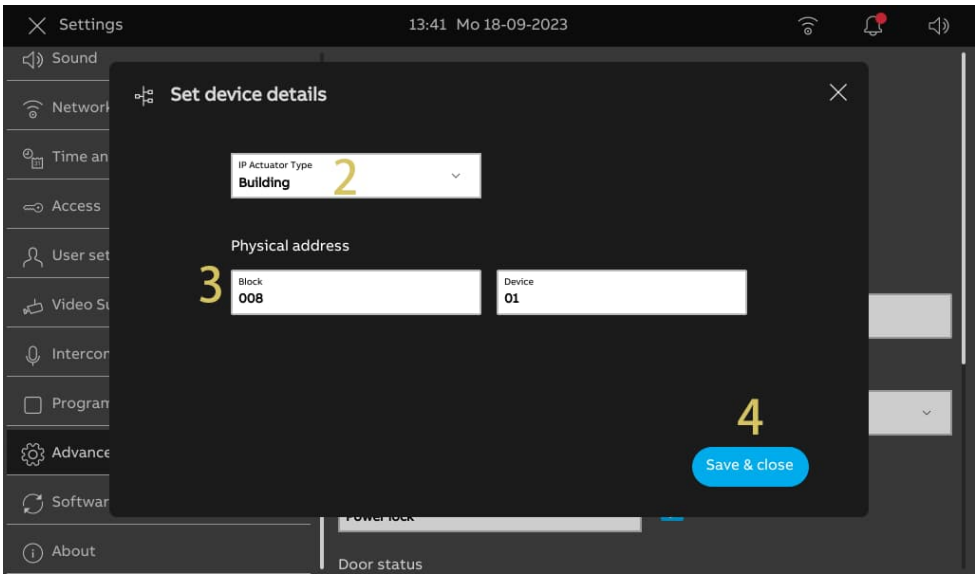
[1] On the "Actuators" screen, go to the "IP Actuator device setting" section, tap "Set device details".

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

[3] Enter the block number (001…999) and the device number (01…32).

[4] Tap "Save & close".

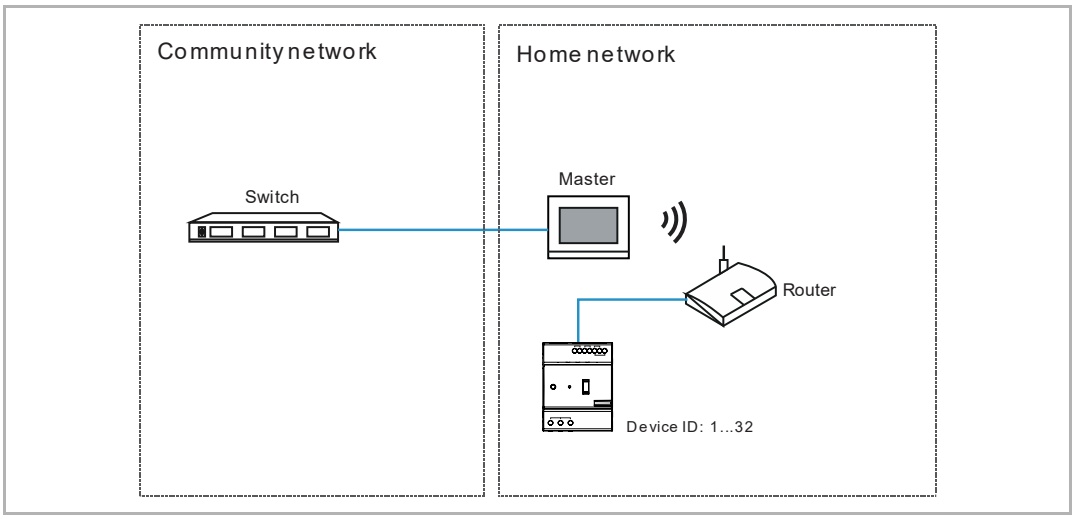




3. Configuring private IP Actuator

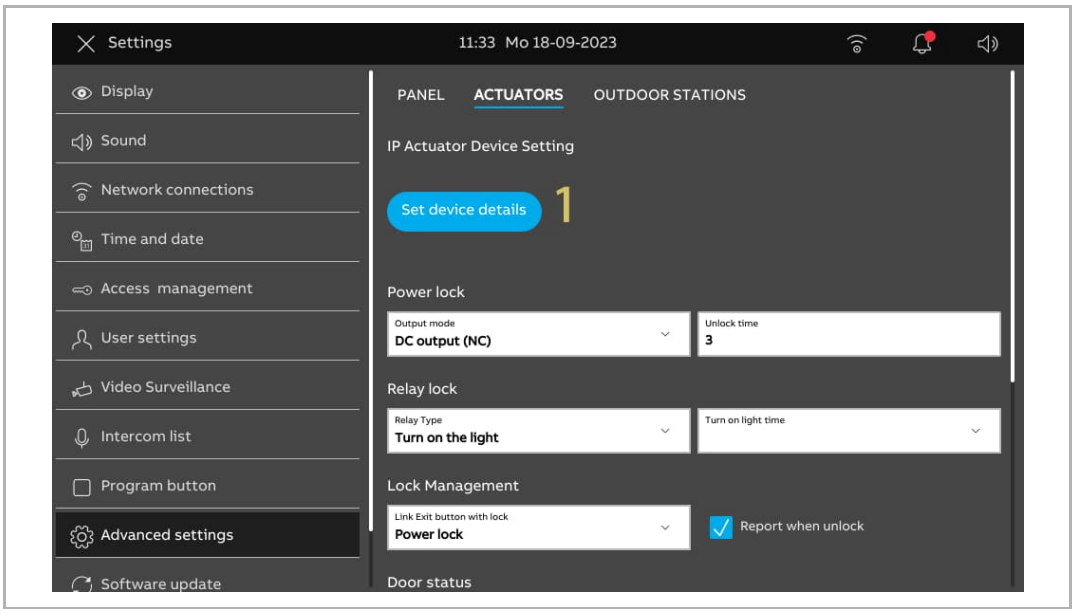
Scenario 1: Location of IP Actuator = Internal

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



Please follow the steps below:

[1] On the "Actuators" screen, go to the "IP Actuator device setting" section, tap "Set device details".



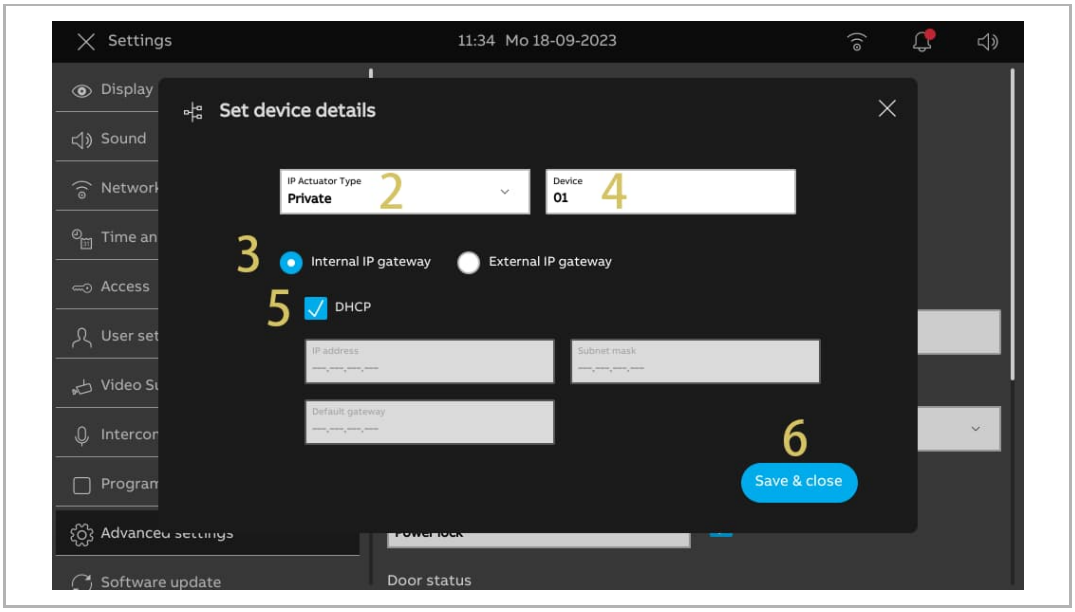
[2] Select "Private" from the drop-down list.

[3] Select "Internal gateway".

[4] Enter the device number (01...32).

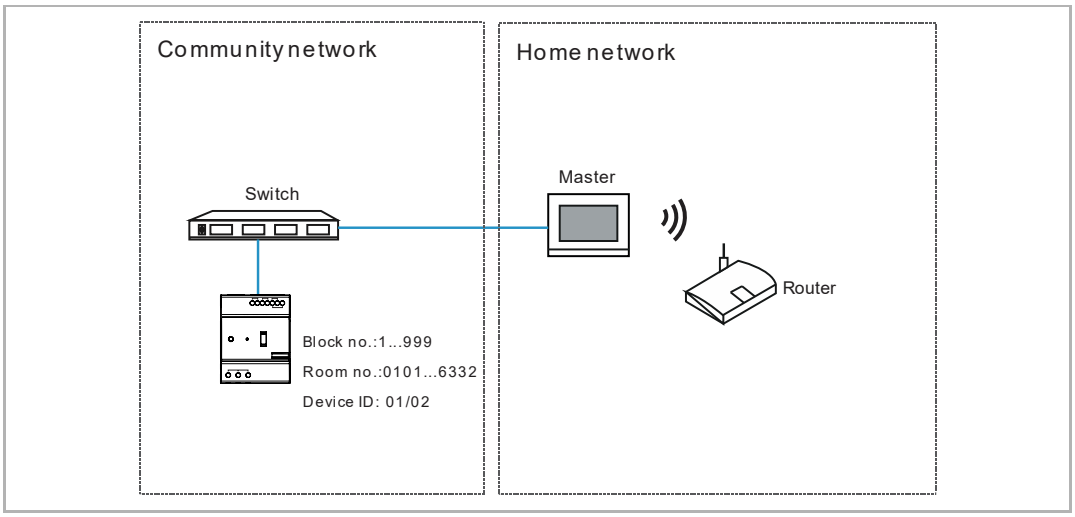
[5] "DHCP" is enabled by default, you can untick the check box and enter IP address manually.

[6] Tap "Save & close".



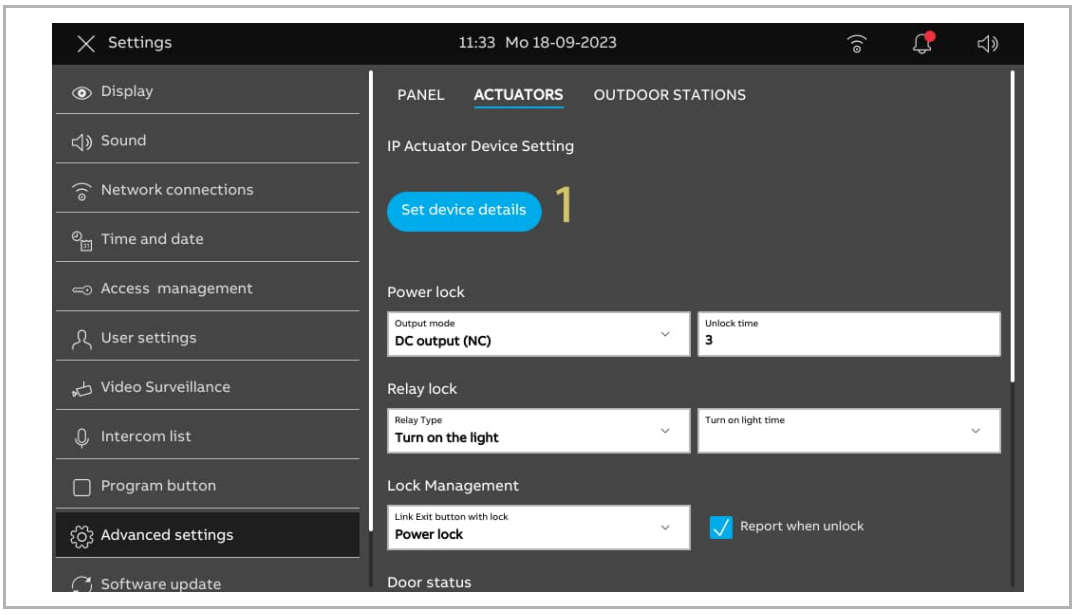
Scenario 2: Location of IP Actuator = External

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



Please follow the steps below:

[1] On the "Actuators" screen, go to the "IP Actuator device setting" section, tap "Set device details".



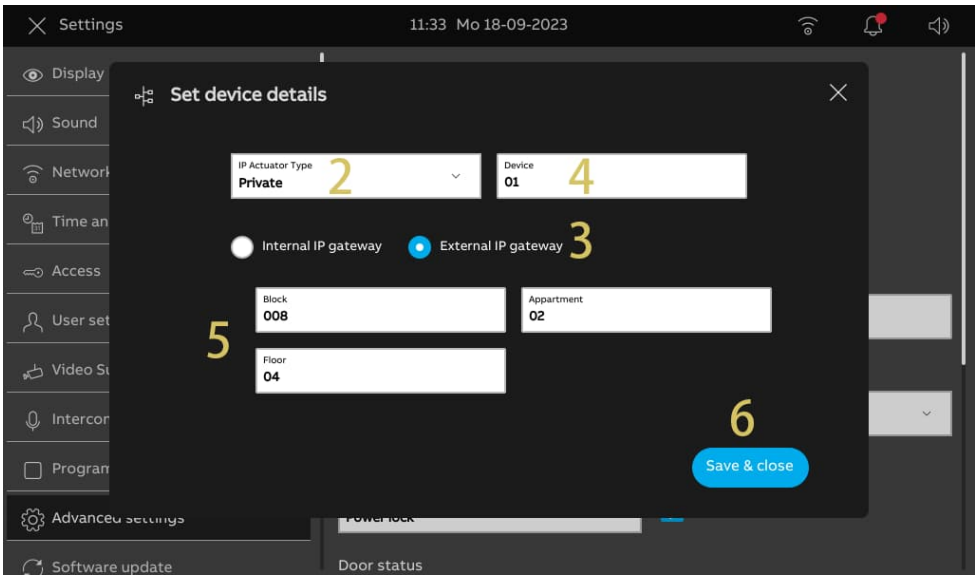
[2] Select "Private" from the drop-down list.

[3] Select "External gateway".

[4] Enter the device number (01...02).

[5] Enter the block number (001...999), the room number (01…63) and the room number (01…32).

[6] Tap "Save & close".



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

8.5.3 Configuring the lock

1. Configuring the power lock

Please follow the steps below:

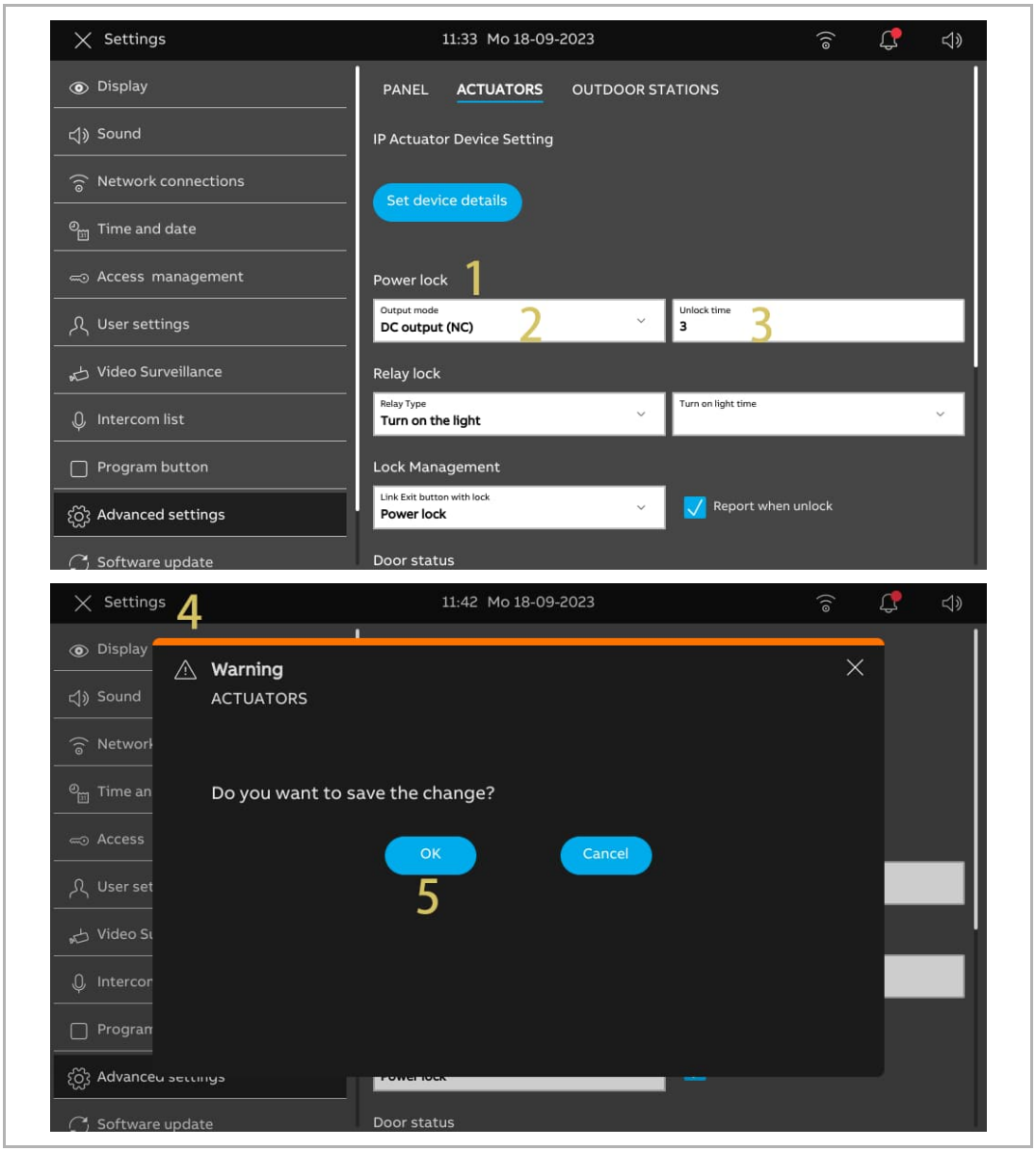
[1] On the "Actuators" screen, go to the "Power lock" section.

[2] Select the output mode from the drop-down list. It can be set to "AC output", "DC output (NC)" or "DC output (NO)".

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

[4] Tap "X Settings" to exit the setting.

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



2. Configuring the relay lock

Please follow the steps below:

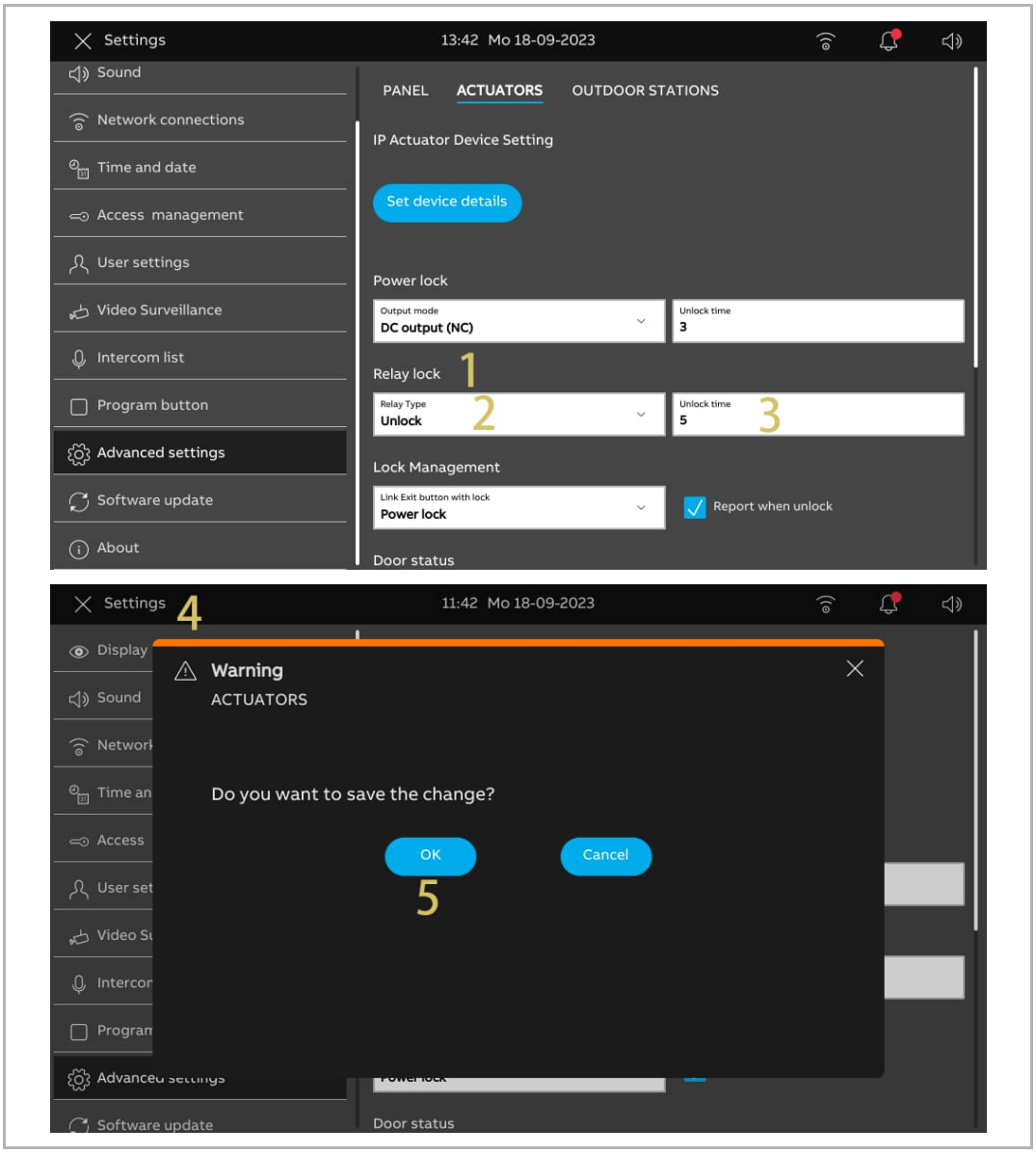
[1] On the "Actuators" screen, go to the "Relay lock" section.

[2] Select the output mode from the drop-down list. It can be set to "Unlock" (default) or "Turn on the light".

[3] Enter the unlock time (default 5 seconds) or the time of turning on the light (default 30 seconds).

[4] Tap "X Settings" to exit the setting.

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



8.5.4 Configuring the "Report when unlock" function

If this function is enabled, each unlock record from the IP Actuator will be sent to SmartAP.

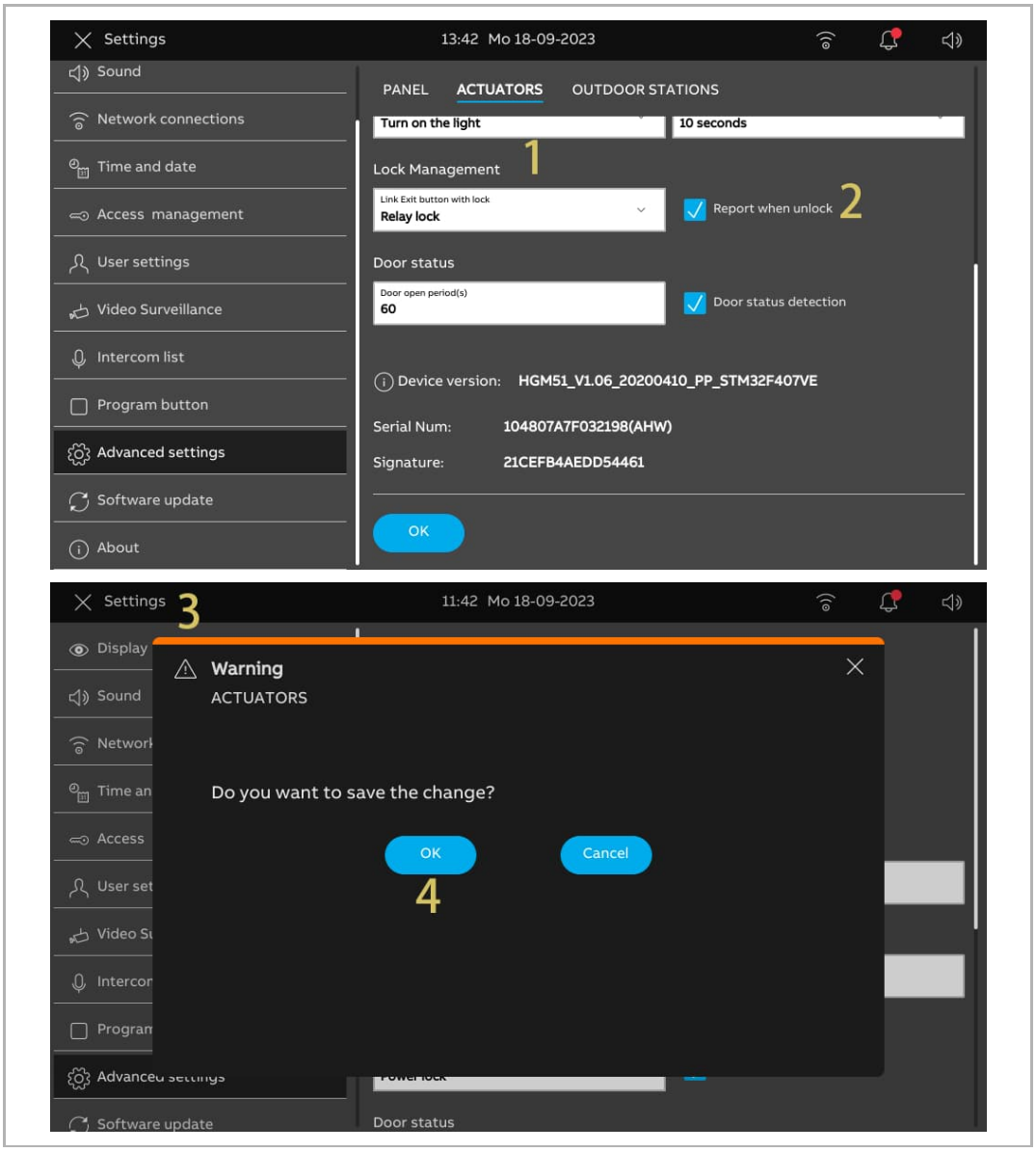
Please follow the steps below:

[1] On the "Actuators" screen, go to the "Lock management" section.

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

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.5.5 Linking the exist button with the lock

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

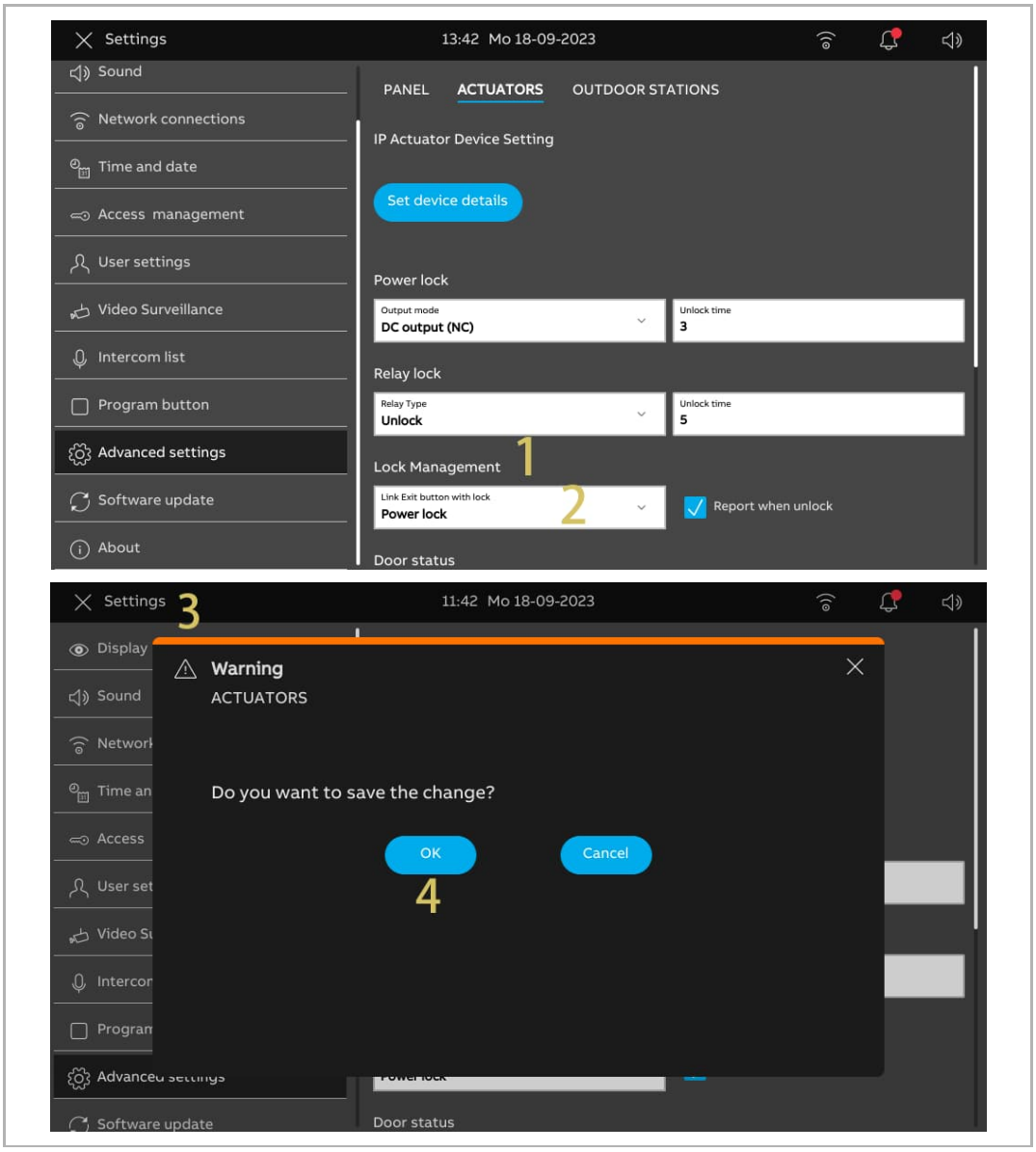
Please follow the steps below:

[1] On the "Actuators" screen, go to the "Lock Management" section.

[2] Select the lock type from the drop-down list. It can be set to "Power lock" or "Relay lock".

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.5.6 Configuring the "Door status detection" function

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

Please follow the steps below:

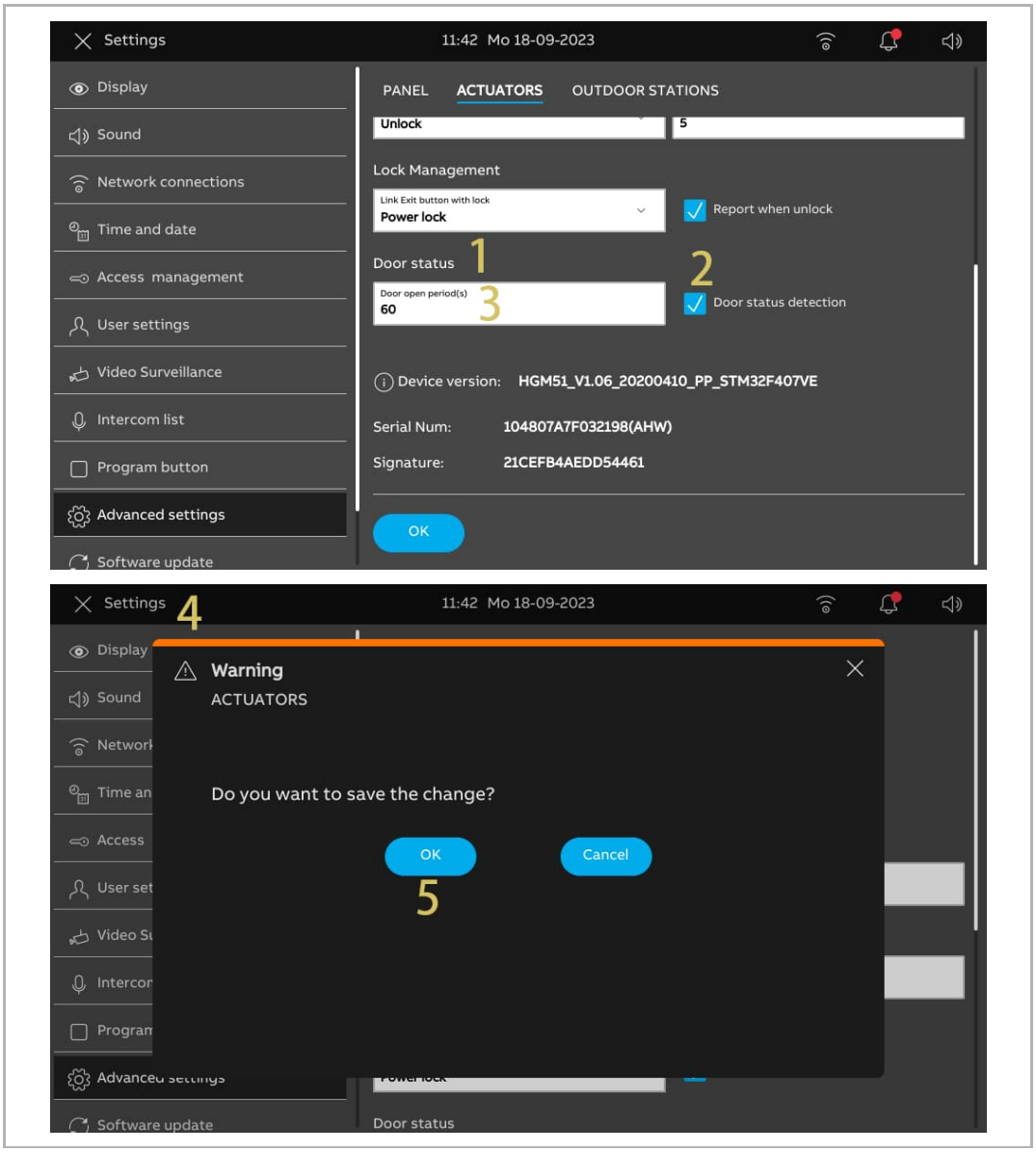
[1] On the "Actuators" screen, go to the "Door status" section.

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

[3] Enter the door open period (60 seconds default).

[4] Tap "X Settings" to exit the setting.

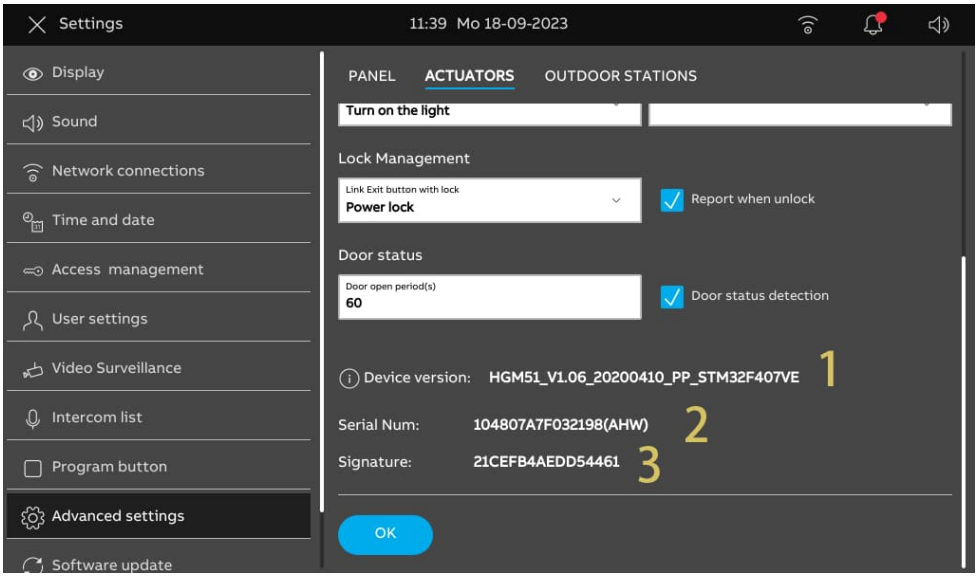
[5] Tap "OK" to save the change.



8.5.7 Viewing the information

Please follow the steps below:

[1] On the "Actuators" screen, scroll down to view the information.



No.	Description
1	Software version
2	Serial number
3	Signature

8.6 Configuring the Outdoor Station

8.6.1 Accessing the "Outoodr Stations" screen

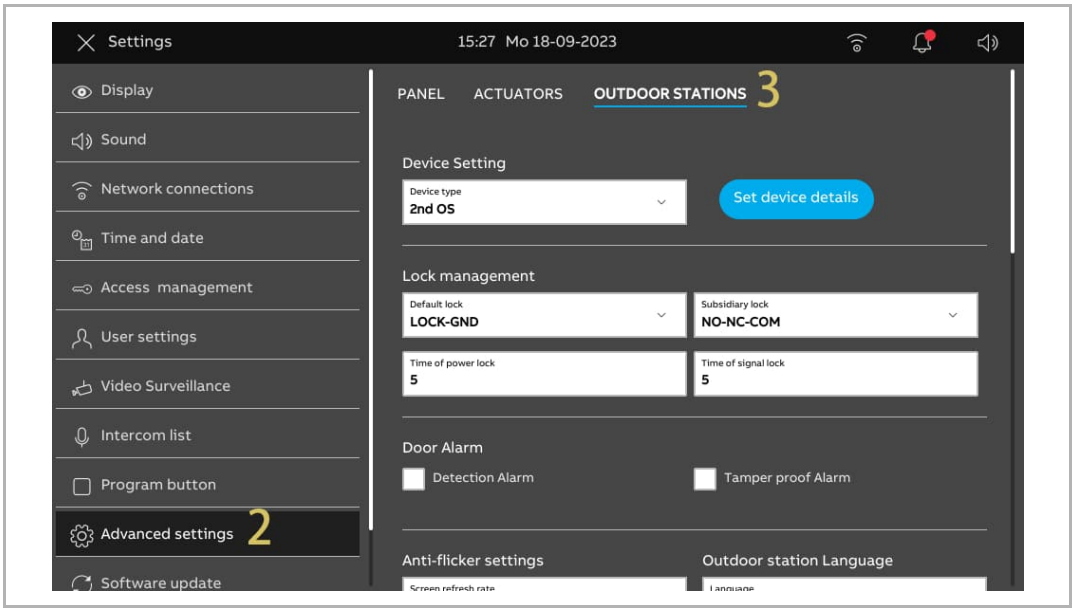
This chapter applies to the pushbutton Outdoor Station only.

Please follow the steps below:

[1] 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.

[2] On the "Settings" screen of the panel, tap "Advanced settings".

[3] Tap "Outdoor Stations" to access the corresponding screen.



Note

The Outdoor Station will exit engineering mode if no operation is carried out for 5 minutes.

8.6.2 Configuring the device type

1. Configuring Gate Station

Please follow the steps below:

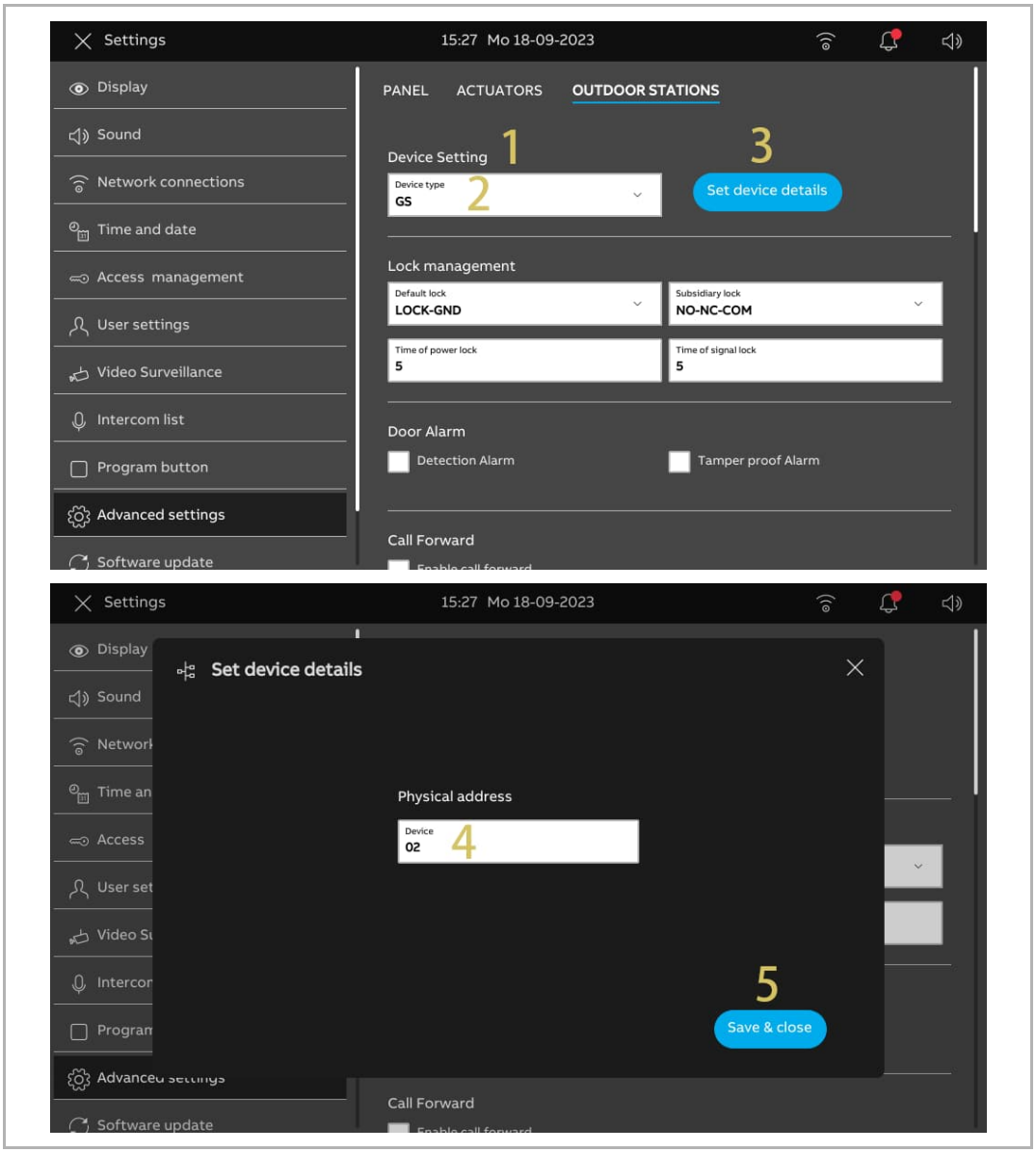
[1] On the "Outdoor Stations" screen, go to the "Device setting" section.

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

[3] Tap "Set device details".

[4] Enter the device number (01…32).

[5] Tap "Save & close".



2. Configuring Outdoor Station

Please follow the steps below:

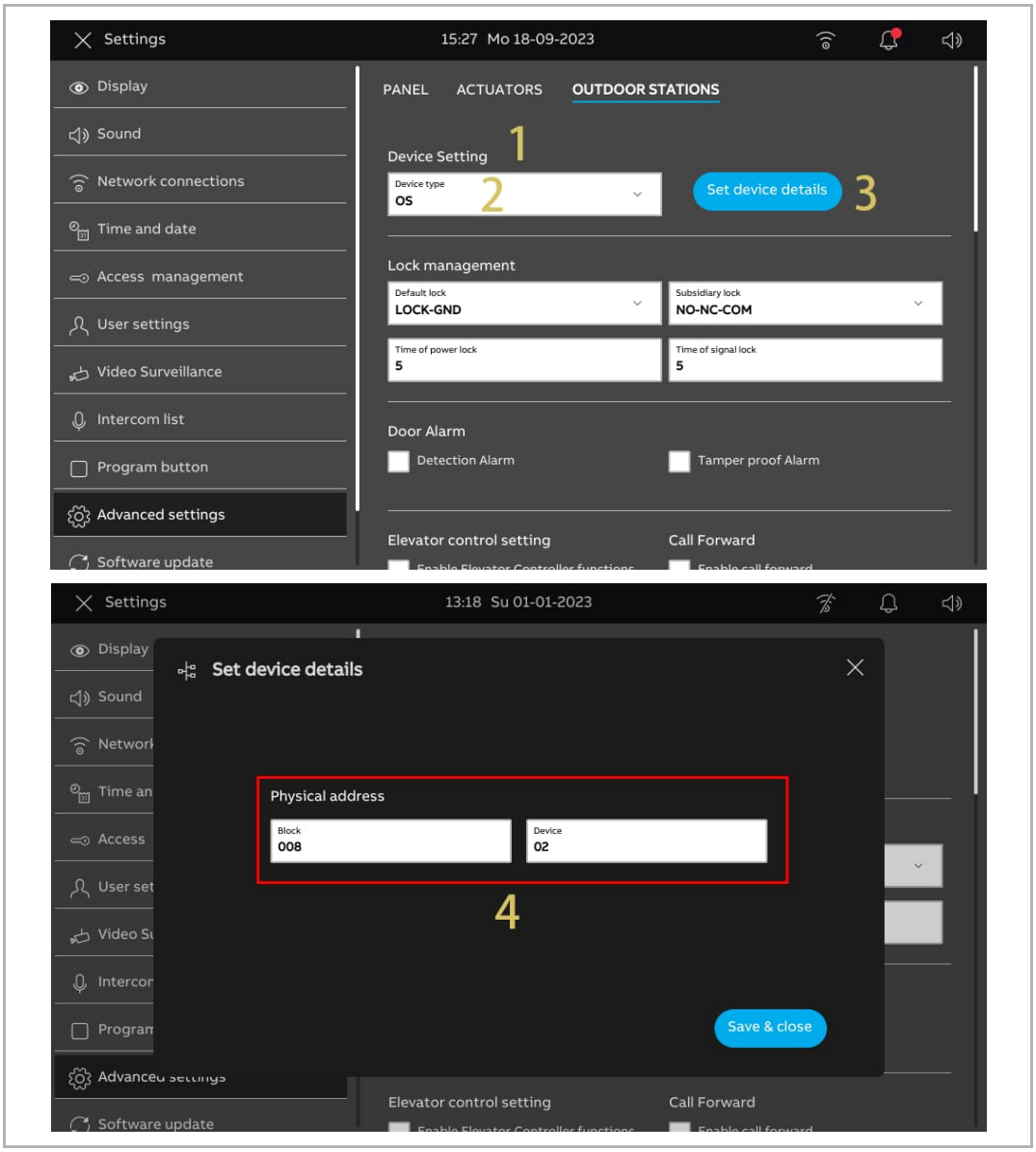
[1] On the "Outdoor Stations" screen, go to the "Device setting" section.

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

[3] Tap "Set device details".

[4] Enter the block number (001…999) and the device number (01…64).

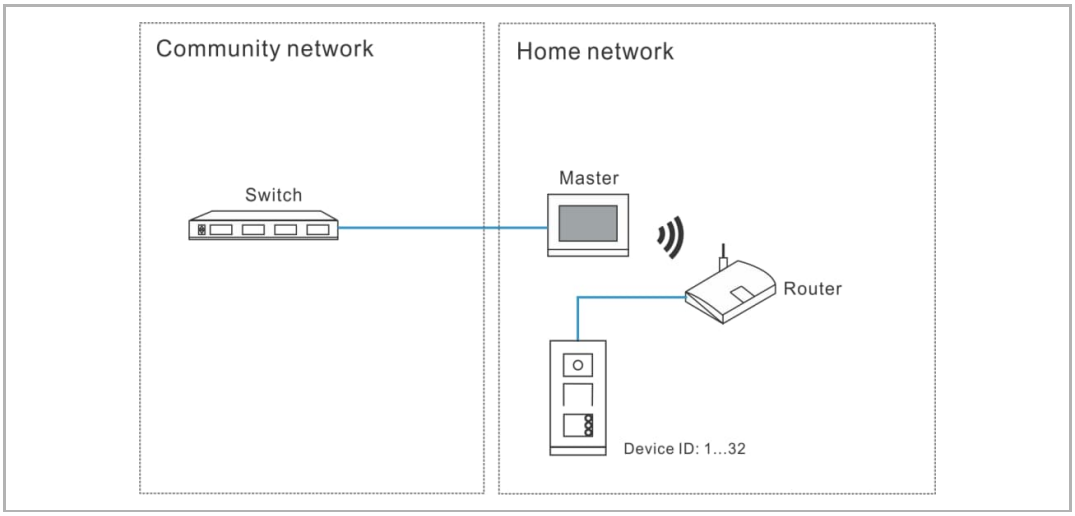
[5] Tap "Save & close".



3. Configuring 2nd Outdoor Station

Scenario 1: Location of IP Actuator = Internal

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

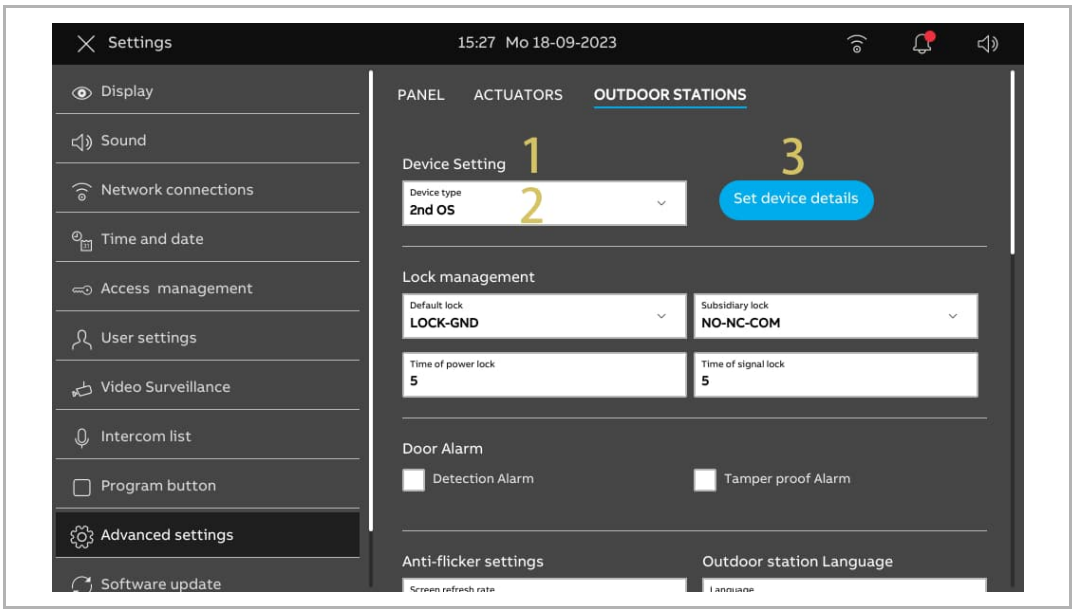


Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Device setting" section.

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

[3] Tap "Set device details".

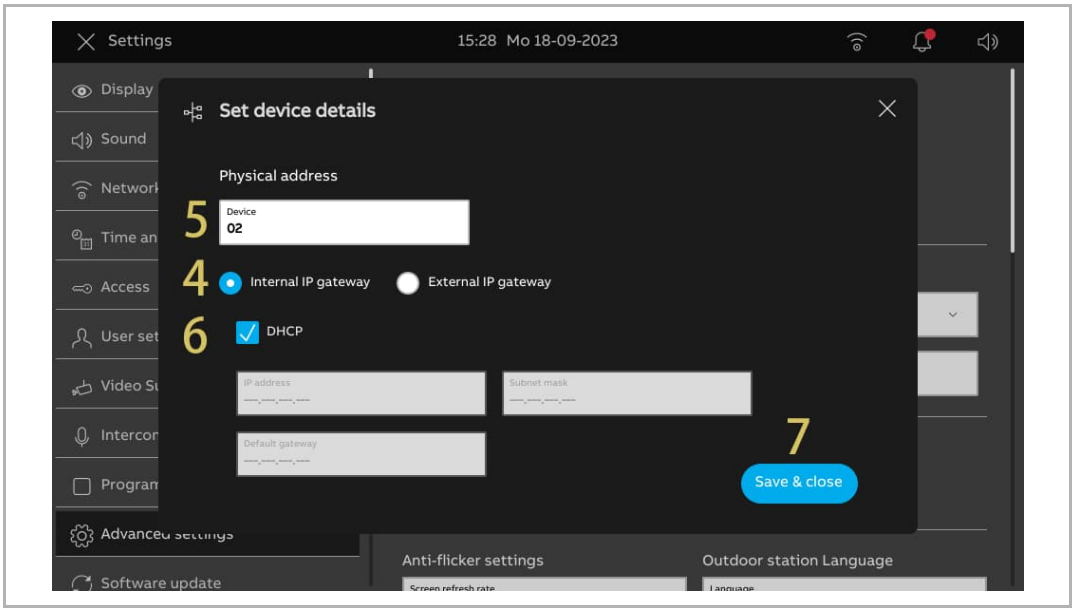


[4] Select "Internal IP gateway".

[5] Enter the device number (1…32).

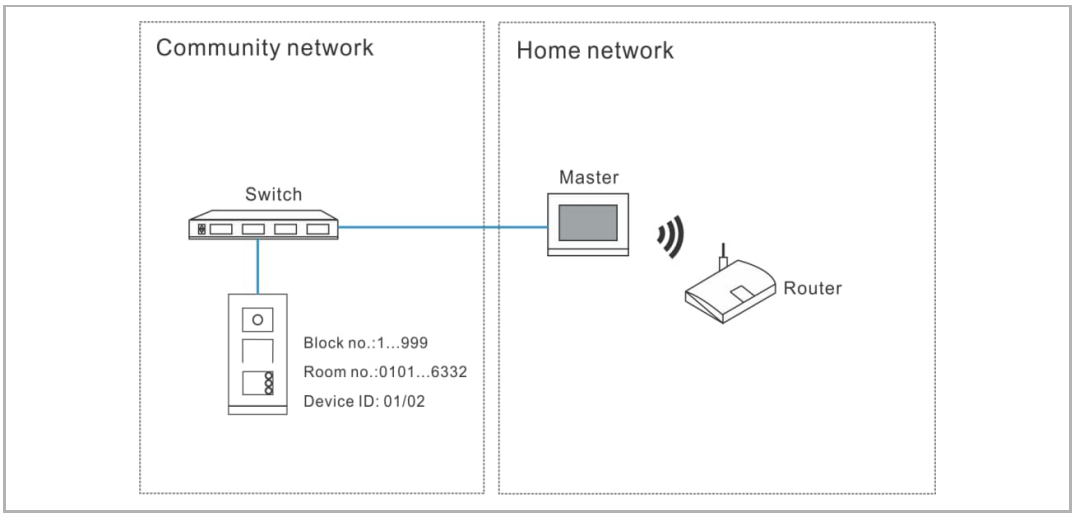
[6] "DHCP" is enabled by default, you can untick the check box to enter the IP address manually.

[7] Tap "Save & close".



Scenario 2: Location of IP Actuator = External

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

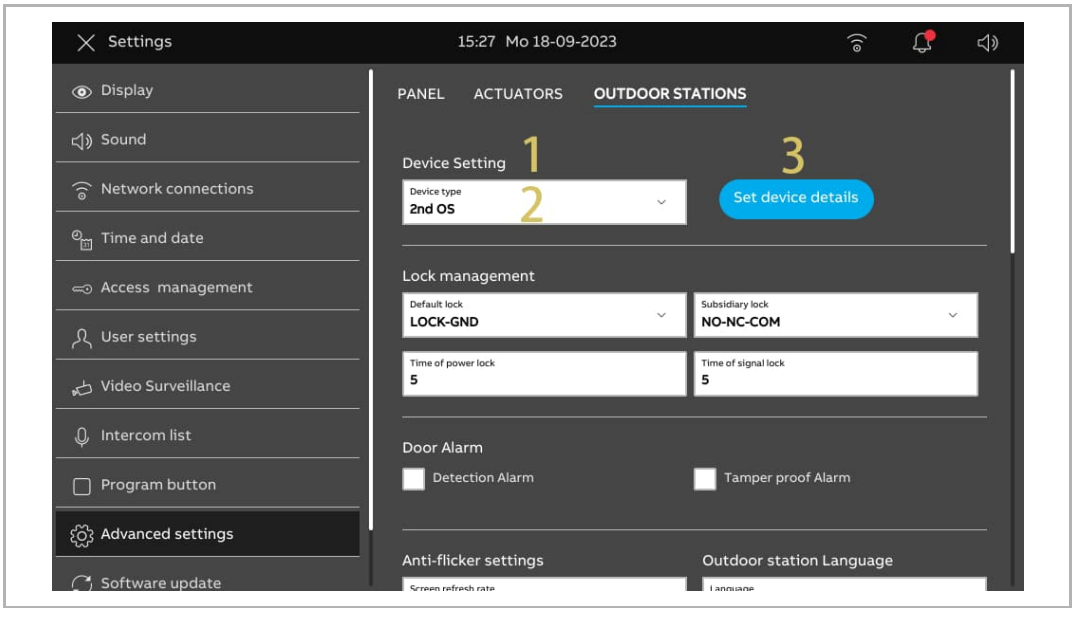


Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Device setting" section.

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

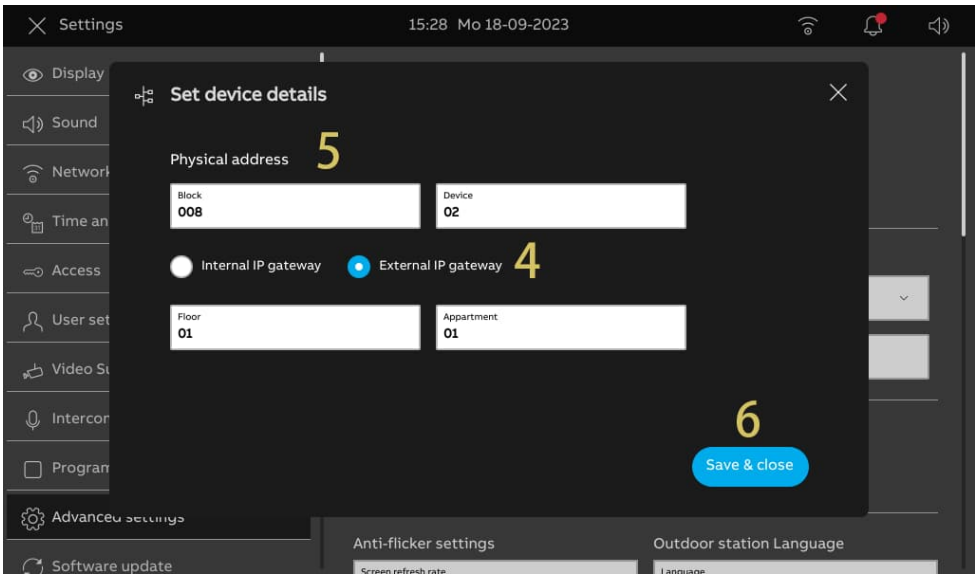
[3] Tap "Set device details".



[4] Select "External IP gateway".

[5] Enter the block number (001…999), the floor number (01…63), the room number (01…32) and the device number (01…02).

[6] Tap "Save & close".



Note

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

8.6.3 Configuring the lock

1. Configuring the default lock

Please follow the steps below:

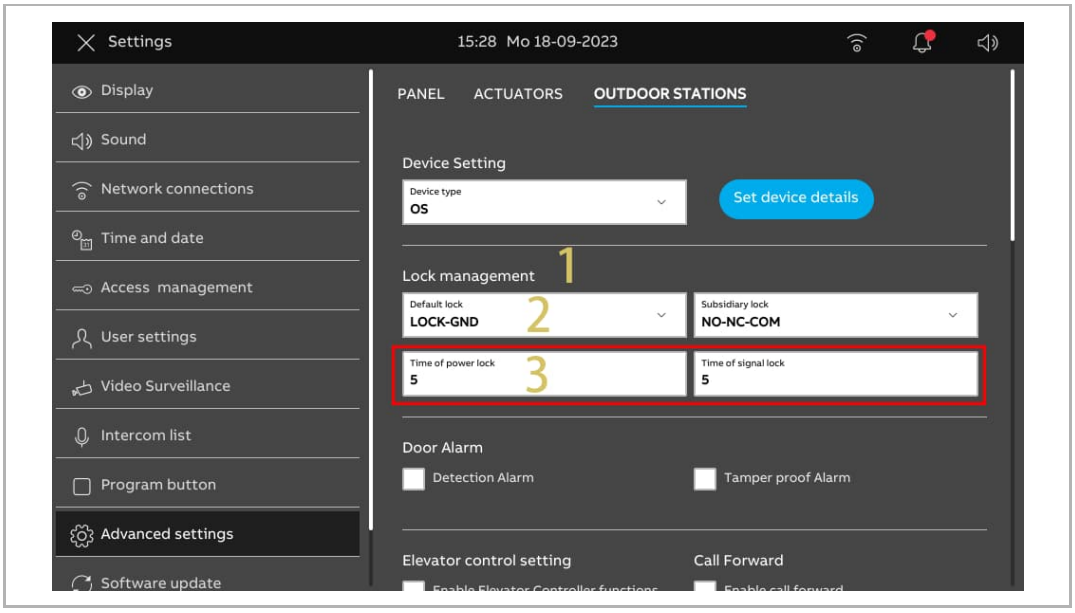
[1] On the "Outdoor Stations" screen, go to the "Lock management" section.

[2] Select the lock type from the drop-down list.

- It can be set to "Lock-GND", "NO-NC-COM" or "IP Actuator".
- If the lock type is set to "IP Actuator", you need to select the lock type from the drop-down list. It can be set to "Power lock" or "Relay lock".

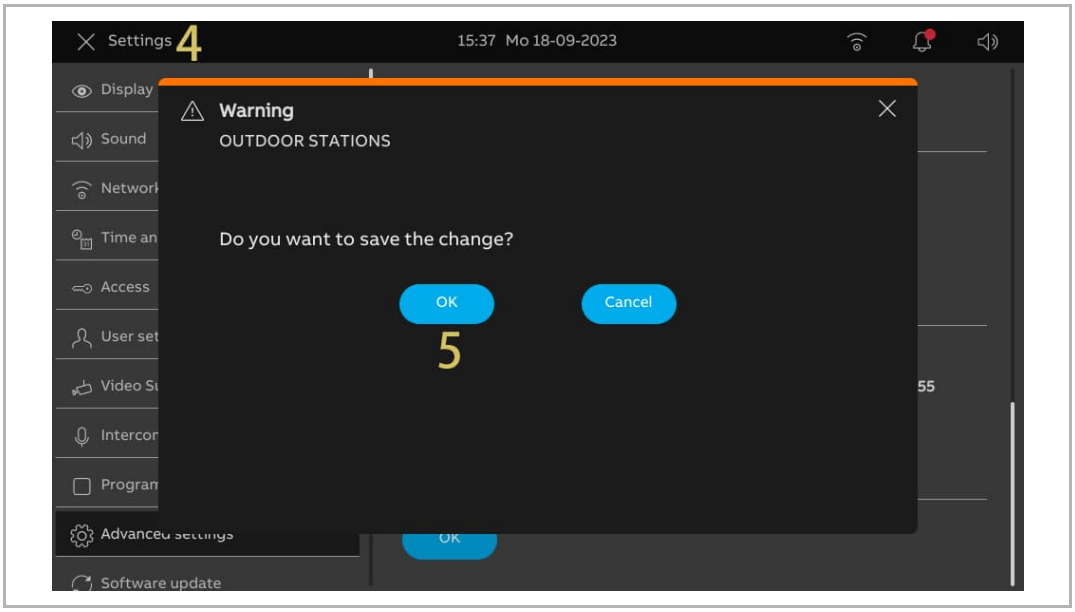
[3] Enter the unlock time.

- If lock type = "Lock-GND" or "Power lock", you need to set the time of power lock.
- If lock type = "NO-NC-COM" or "Relay lock", you need to set the time of signal lock.



[4] Tap "X Settings" to exit the setting.

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



2. Configuring the subsidiary lock

Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Lock management" section.

[2] Select the lock type from the drop-down list.

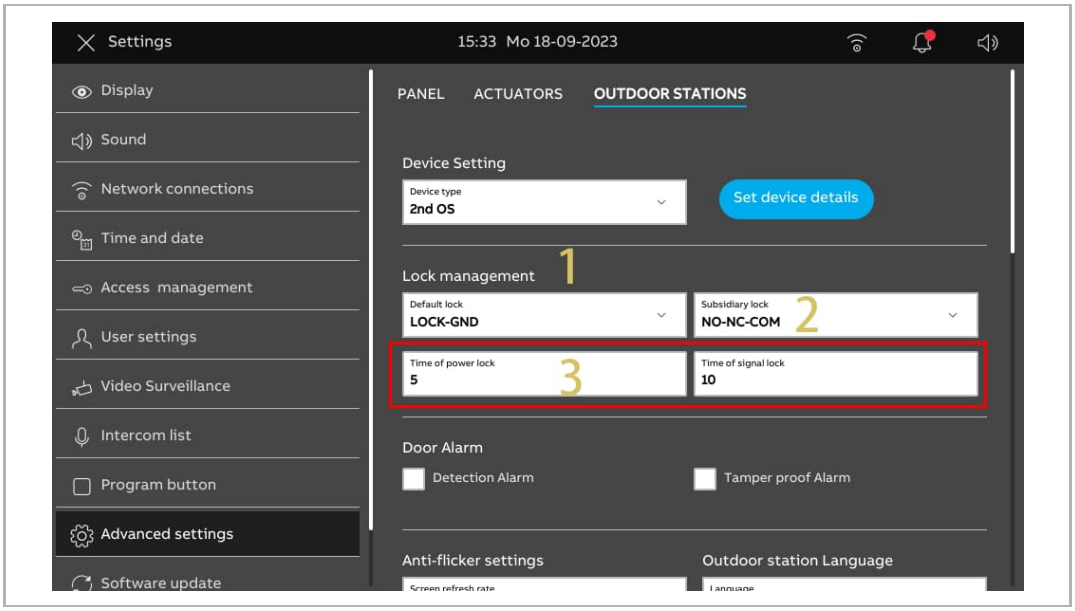
- It can be set to "Lock-GND", "NO-NC-COM" or "IP Actuator".
- If the lock type is set to "IP Actuator", you need to set the lock type from the drop-down list. It can be set to "Power lock" or "Relay lock".

[3] Enter the unlock time.

- If lock type = "Lock-GND" or "Power lock", you need to set the time of power lock.
- If lock type = "NO-NC-COM" or "Relay lock", you need to set the time of signal lock.

[4] Tap "X Settings" to exit the setting.

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



8.6.4 Configuring the "Door alarm" function

Please follow the steps below:

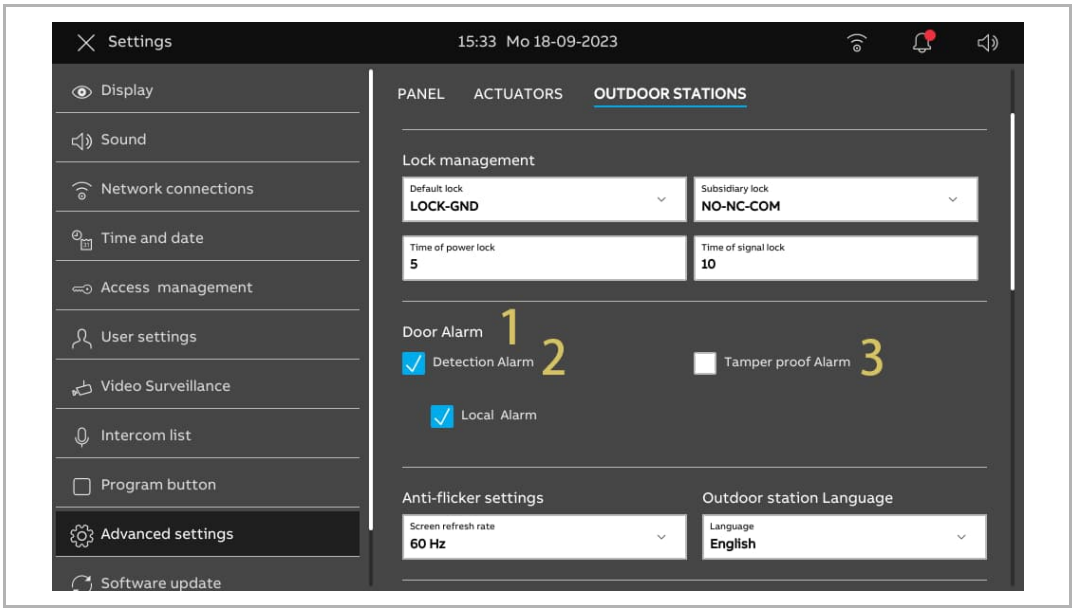
[1] On the "Outdoor Stations" screen, go to the "Door Alarm" section.

[2] Tick the check box to enable the functions.

- If "Detection Alarm" function is enabled, the panel will send an alarm to SmartAP when the door is open longer than 120 s (A sensor should first be connected to the outdoor station).
- If "Local Alarm" function is enabled, the panel also sounds an alarm locally.
- If "Tamper proof Alarm" is enabled, the panel will send an alarm to SmartAP if the Outdoor Station is removed from the wall.

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.6.5 Configuring the "Anti-flicker" function

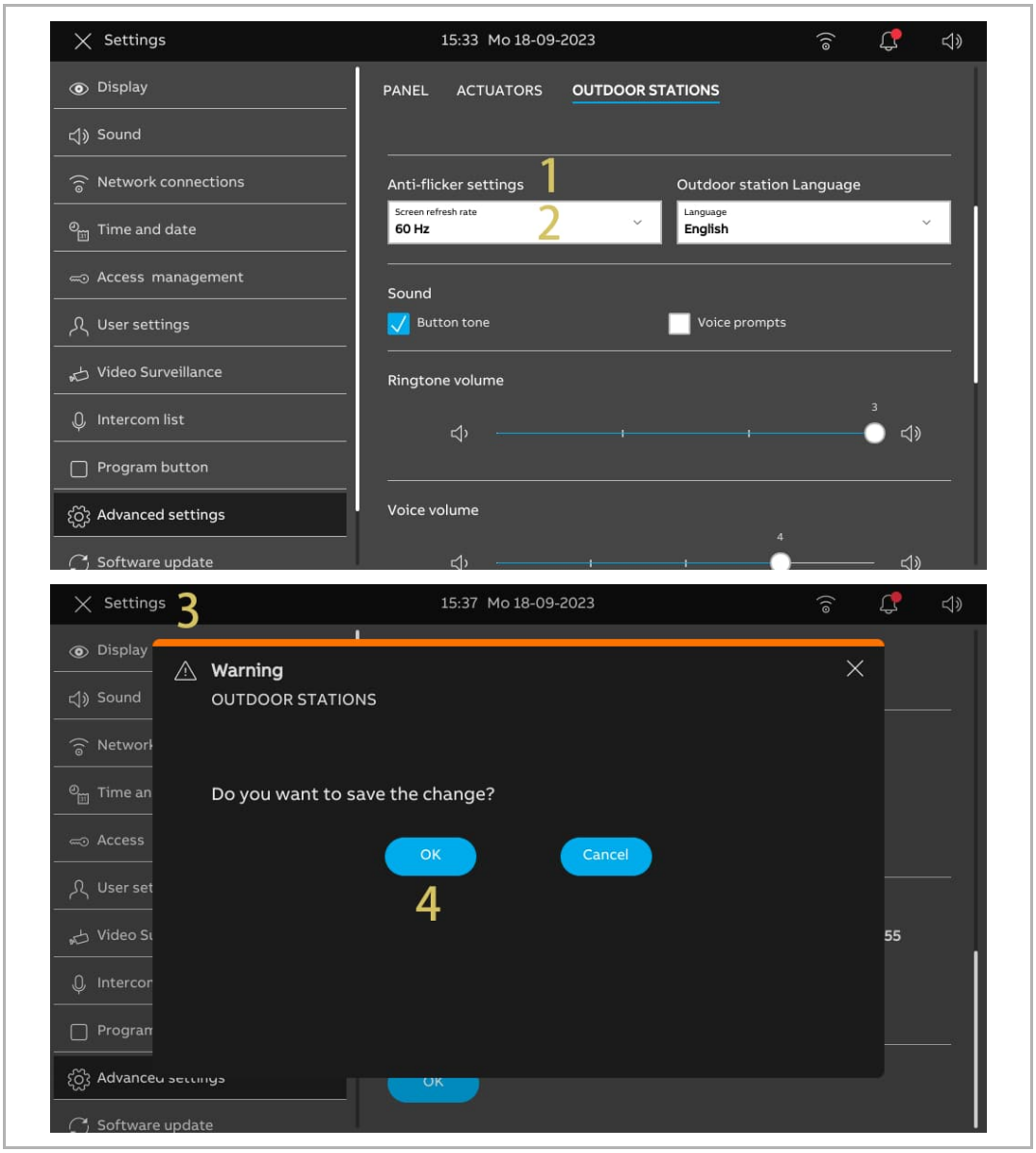
Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Anti-flicker settings" section.

[2] Select the refresh rate from the drop-down list. It can be set to "60 Hz" or "50 Hz".

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.6.6 Configuring the language

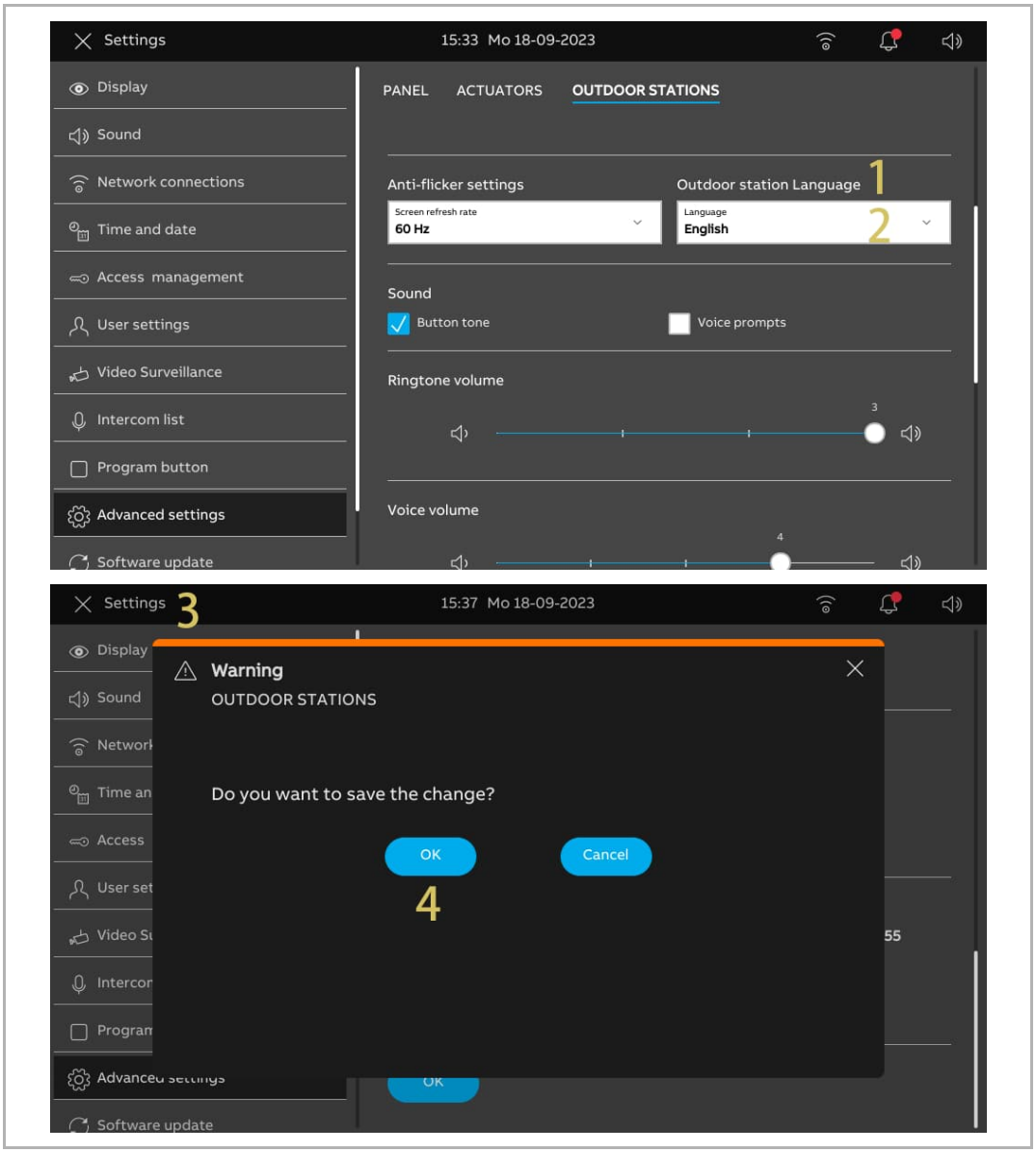
Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Outdoor Station Language" section.

[2] Select the refresh rate from the drop-down list.

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.6.7 Configuring the ringtone volume

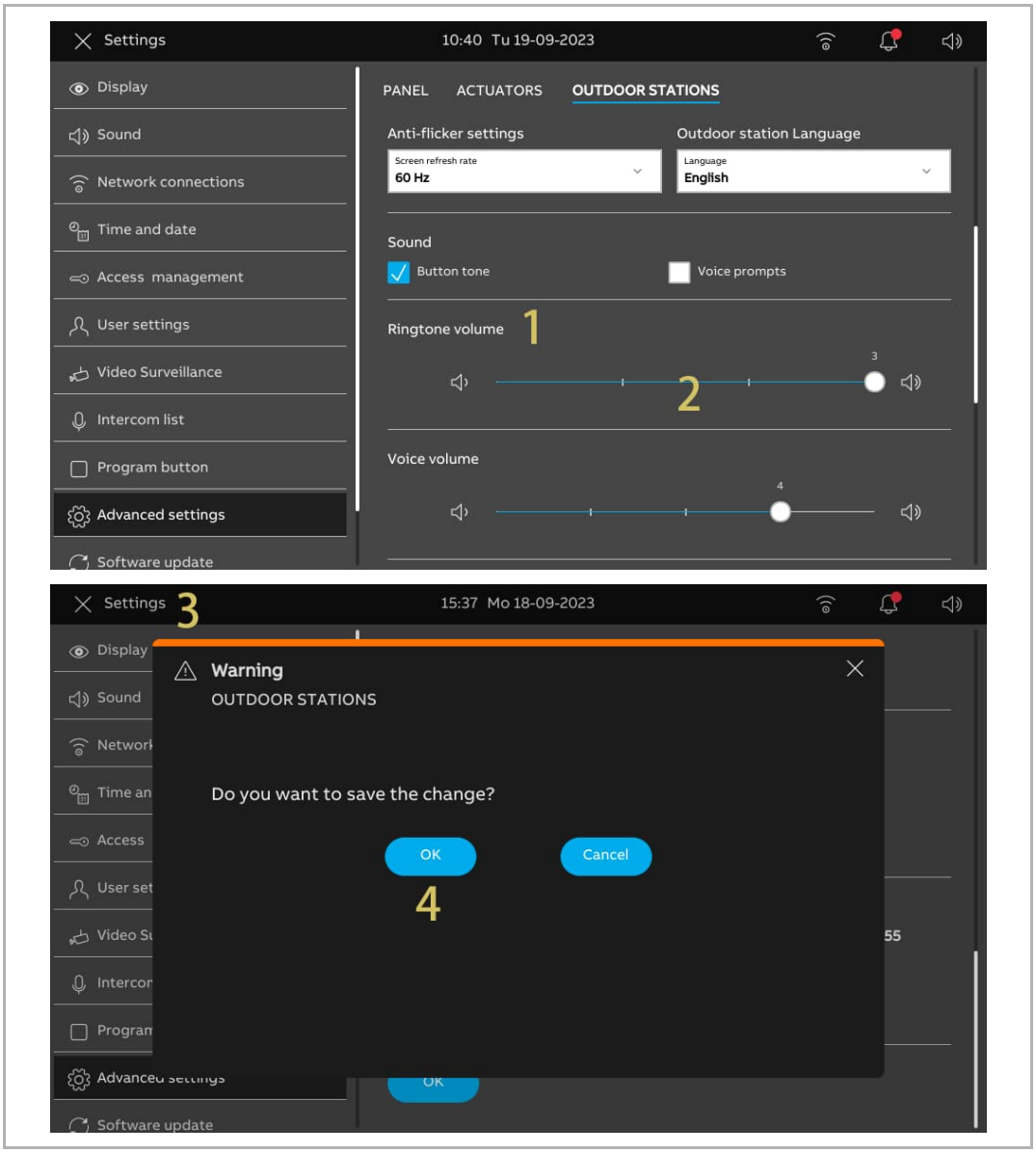
Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Ringtone volume" section.

[2] Select the ringtone volume (1...3)

[3] Tap "X Settings" to exit the setting.

[4] Tap "OK" to save the change.



8.6.8 Configuring the "Button tone" function

Please follow the steps below:

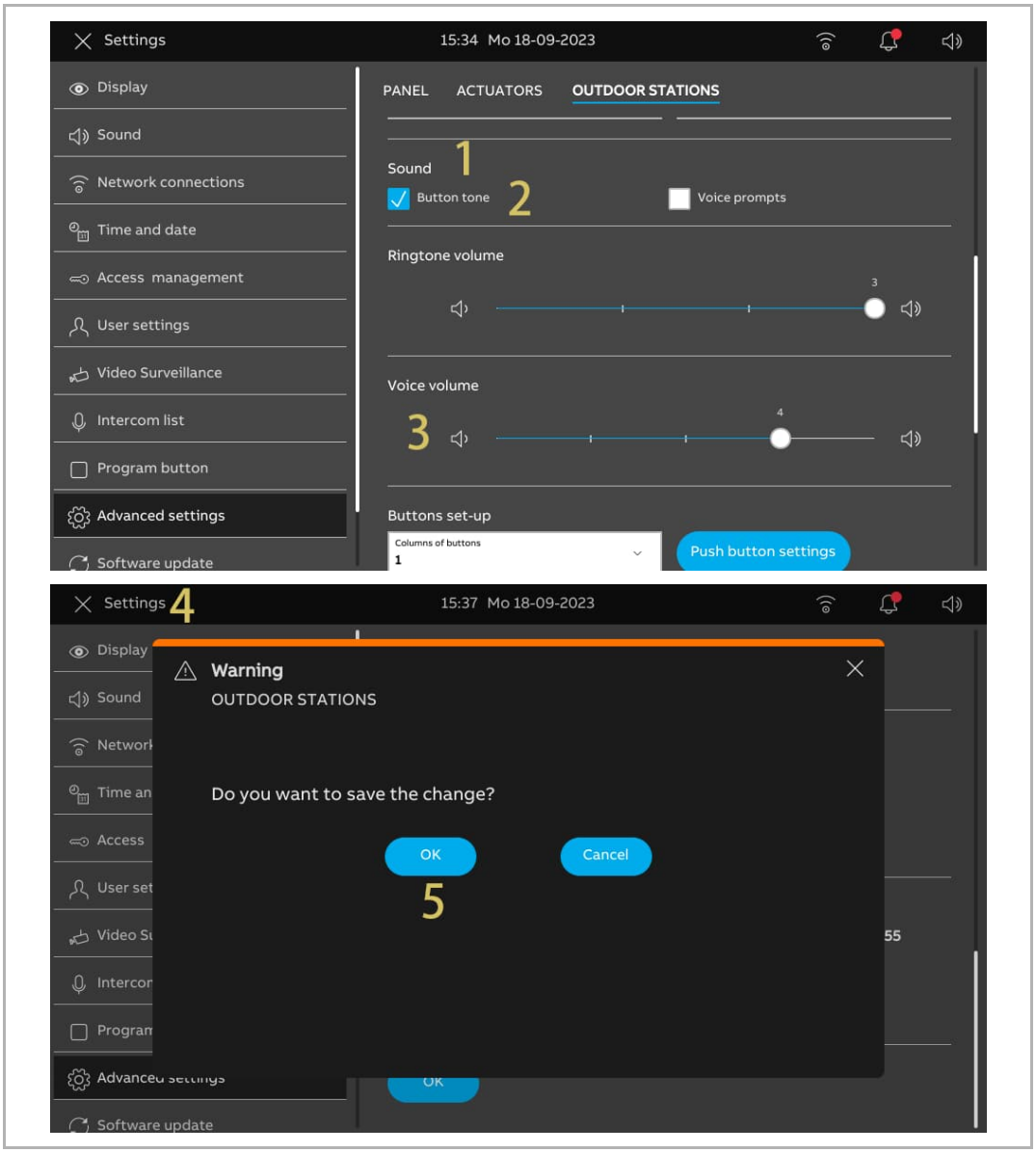
[1] On the "Outdoor Stations" screen, go to the "Sound" section.

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

[3] Go to the "Voice volume" section, select the voice volume (1...5).

[4] Tap "X Settings" to exit the setting.

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



8.6.9 Configuring the "Voice prompts" function

Please follow the steps below:

[1] On the "Outdoor Stations" screen, go to the "Sound" section.

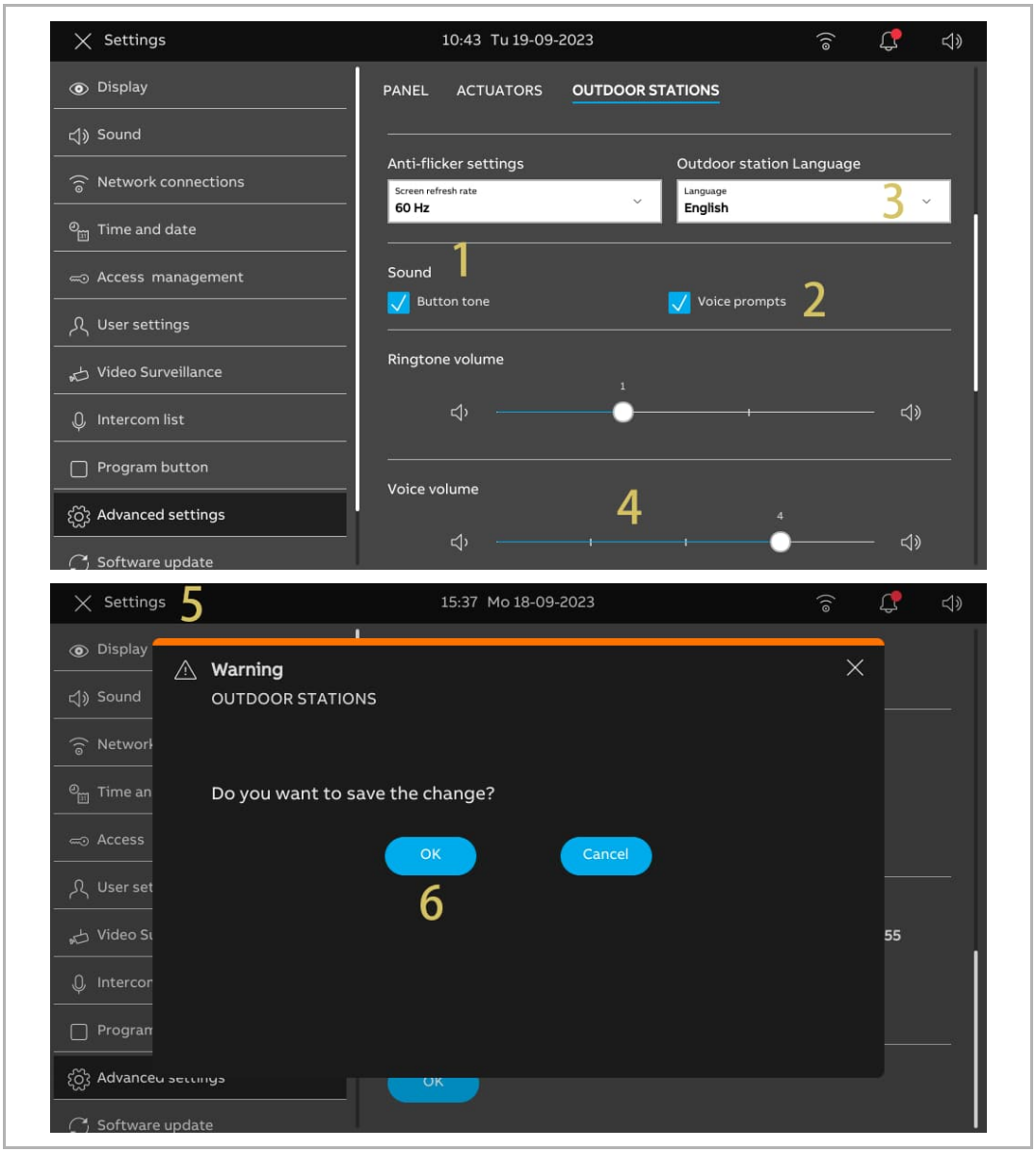
[2] Tick the check box to enable the function.

[3] Select the language for the voice prompt.

[4] Select the voice volume (1...5).

[5] Tap "X Settings" to exit the setting.

[6] Tap "OK" to save the change.



8.6.10 Configuring the push buttons

Please follow the steps below:

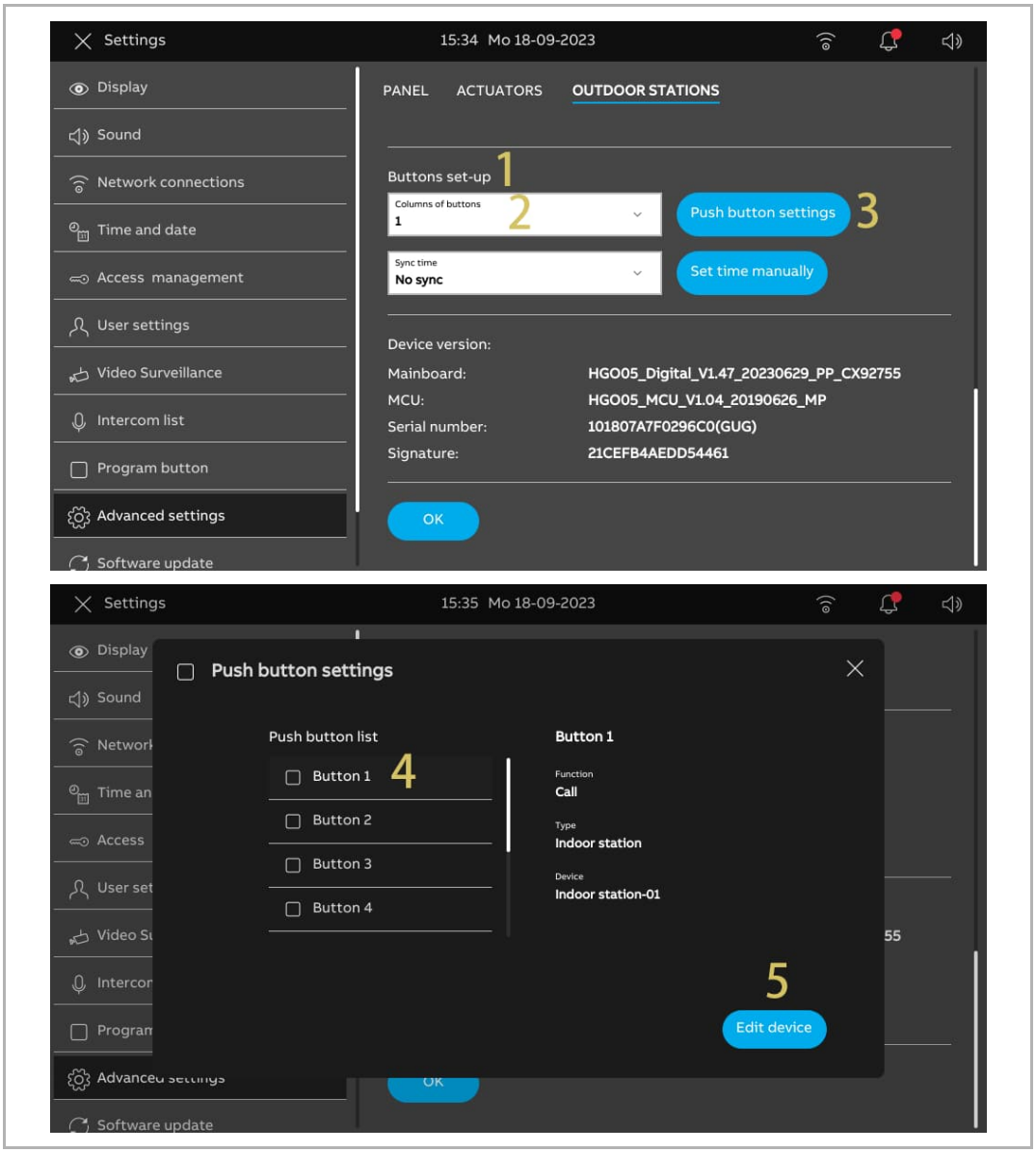
[1] On the "Outdoor Stations" screen, go to the "Buttons set-up" section.

[2] 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".

[3] Tap "Push button settings".

[4] Tap the designated push button.

[5] Tap "Edit device".



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

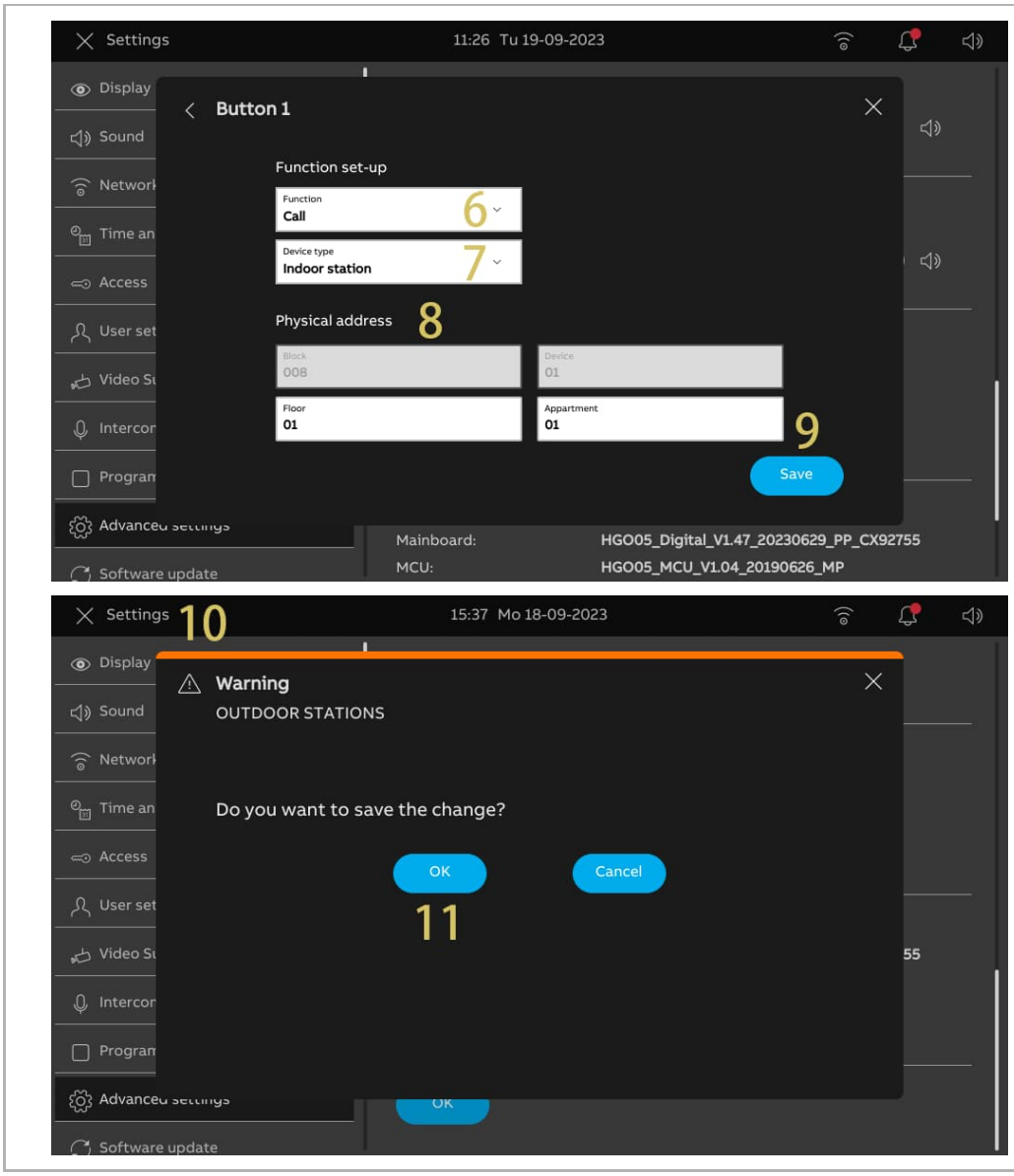
[7] Select the device type from the drop-down list. It can be set to "Indoor Station" or "Phone Guard Unit".

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

[9] Tap "Save".

[10]Tap "X Settings" to exit the setting.

[11]Tap "OK" to save the change.



8.6.11 Configuring the "Time sync" function

Please follow the steps below:

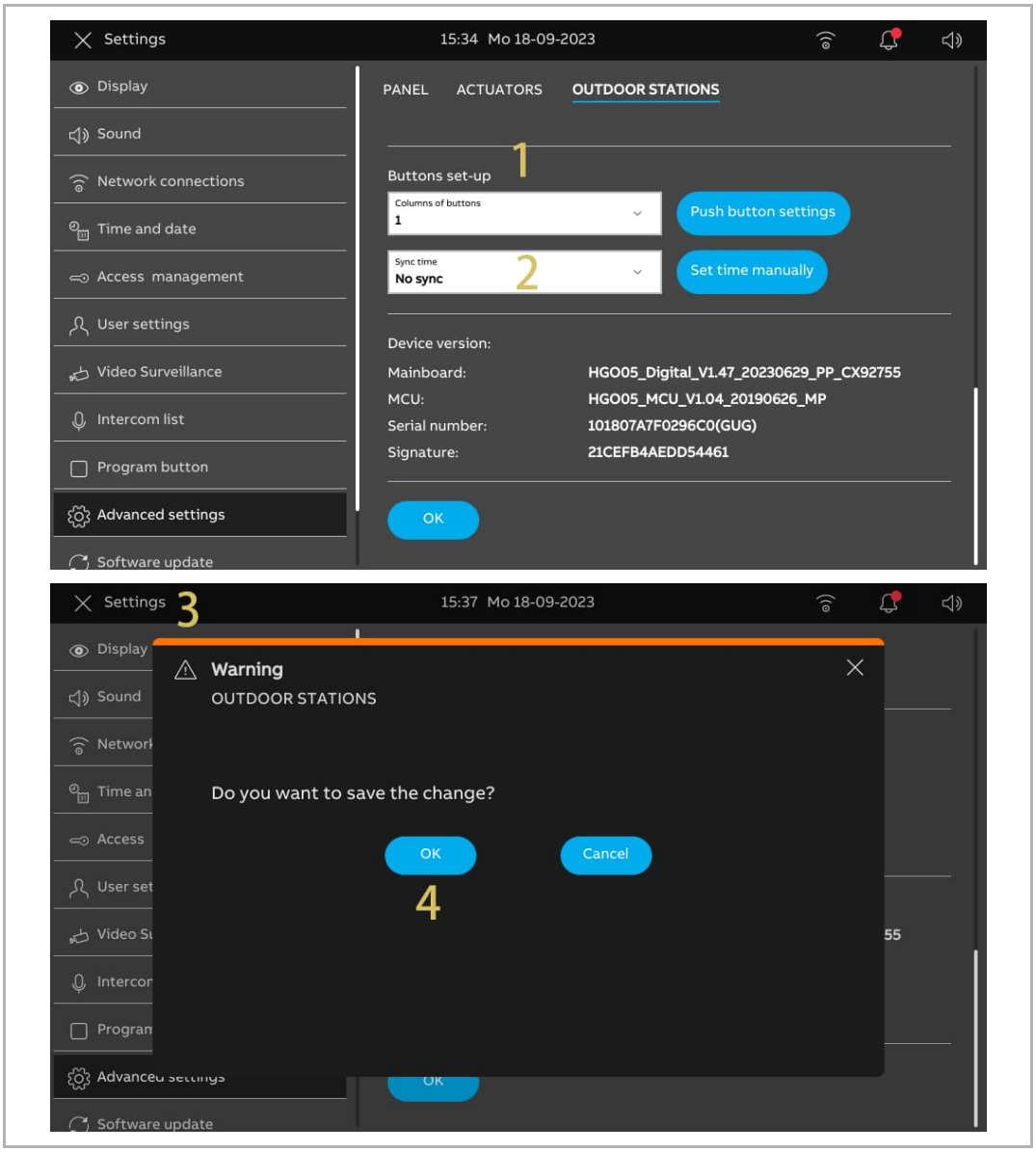
[1] On the "Outdoor Stations" screen, go to the "Buttons set-up" section.

[2] Select the sync time method from the drop-down list.

- If "Sync with SmartAP" is selected, the Outdoor Station will sync the time from the management software.
- If "No sync" is selected, tap "Set time manually" to enter the time and date manually.

[3] Tap "X Settings" to exit the setting.

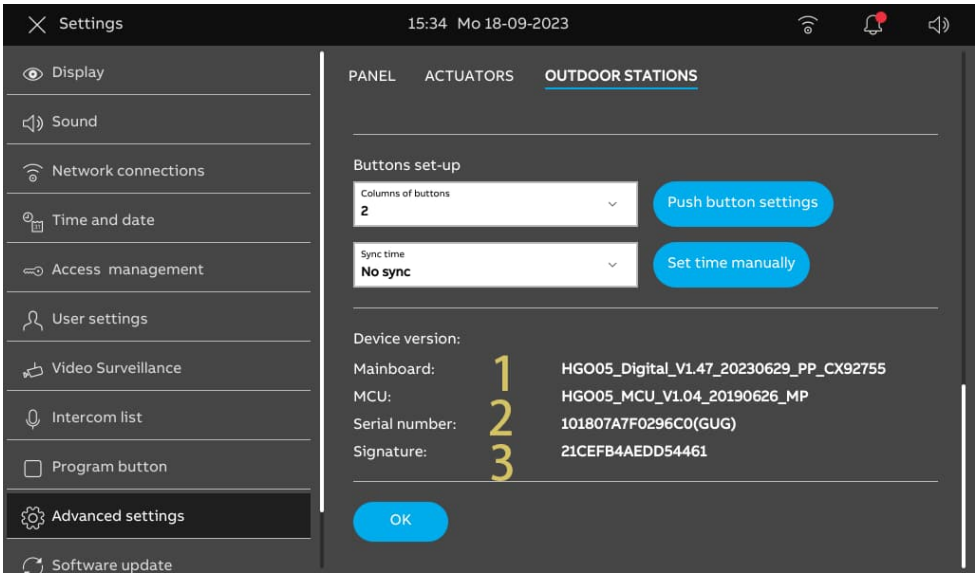
[4] Tap "OK" to save the change.



8.6.12 Viewing the information

Please follow the steps below:

[1] On the "Outdoor Stations" screen, scroll down to view the information.



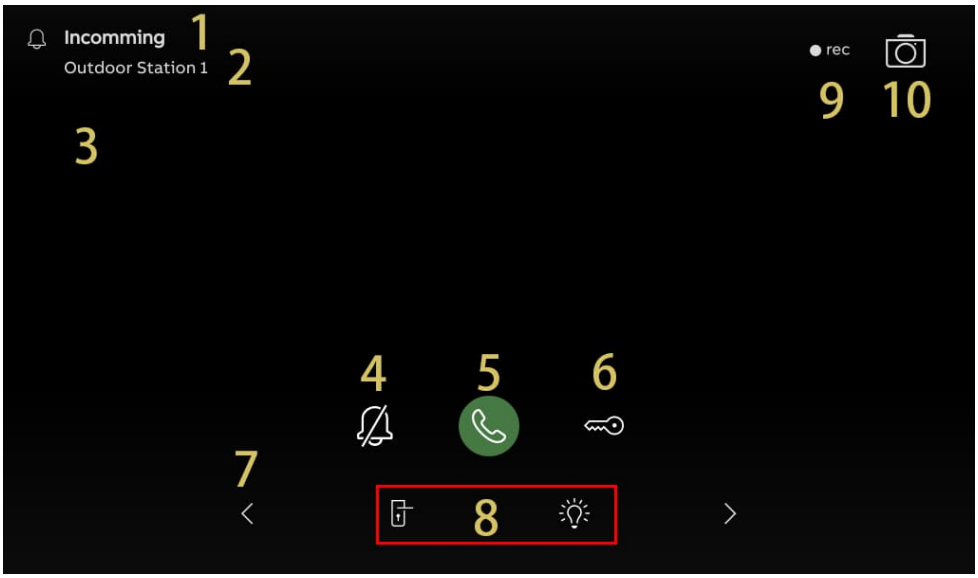
No.	Description
1	Mainboard version and MCU version
2	Serial number
3	Signature

9 Operation

9.1 Incoming call

9.1.1 Call from Outdoor Stations

1. During an incoming call



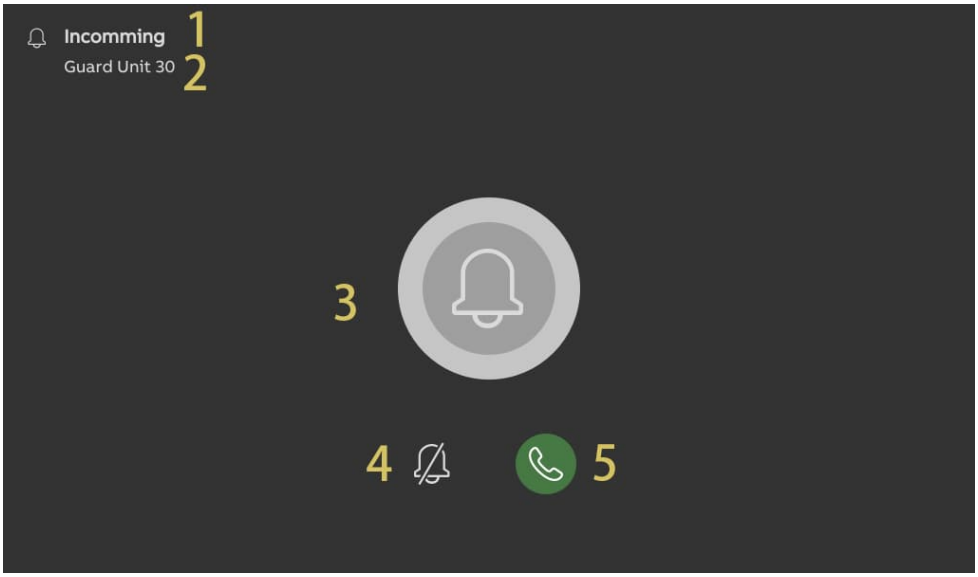
No.	Function
1	" Incoming" indicates an incoming call (maximum 30 seconds).
2	Display the device name.
3	**Display the image** ▪ Display the image of the calling Outdoor Station by default. ▪ If a camera has been assigned to the calling Outdoor Station, the image of the camera will be displayed here. ▪ The countdown (9…1) will be displayed in the last 9 s.
4	Tap " " to mute the current ringtone.
5	Tap " " to accept the call.
6	Tap " " to release the default lock on the calling Outdoor Station.
7	If there are IP cameras have been added to the dashboard. Tap “<” or “>” to display the images of these cameras.
8	Tap the program button if any to carry out the programmable function.
9	Tap " rec " to record a video.
10	Tap " " to take a snapshot manually.

2. During a communication

No.	Function
1	" Communication" indicates a communication (maximum 120 seconds).
2	Display the device name.
3	**Display the image** ▪ Display the image of the calling Outdoor Station by default. ▪ If a camera has been assigned to the calling Outdoor Station, the image of the camera will be displayed here. ▪ The countdown (9…1) will be displayed in the last 9 s.
4	Tap " " to mute the microphone.
5	Tap " " to end the call.
6	Tap " " to release the default lock on the calling Outdoor Station.
7	If there are IP cameras have been added to the dashboard. Tap “<” or “>” to display the images of the cameras.
8	Tap the program button if any to carry out the programmable function.
9	Tap " rec " to record a video.
10	Tap " " to take a snapshot manually.
11	Tap " " to adjust the volume of the voice.
12	Tap " X " to quit the communication.

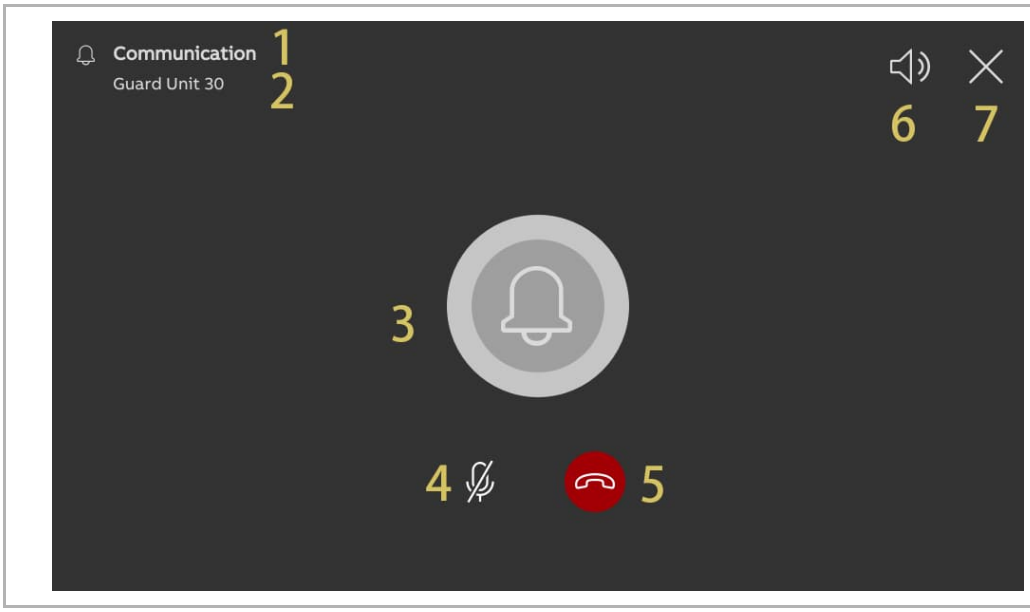
9.1.2 Call from Guard Units or Indoor Stations

1. During an incoming call



No.	Function
1	" Incoming" indicates an incoming call.
2	Display the device name.
3	Display " " to indicate no image can be displayed on the screen. The countdown (9…1) will be displayed in the last 9 s.
4	Tap " " to mute the current ringtone.
5	Tap " " to accept the call.

2. During a communication

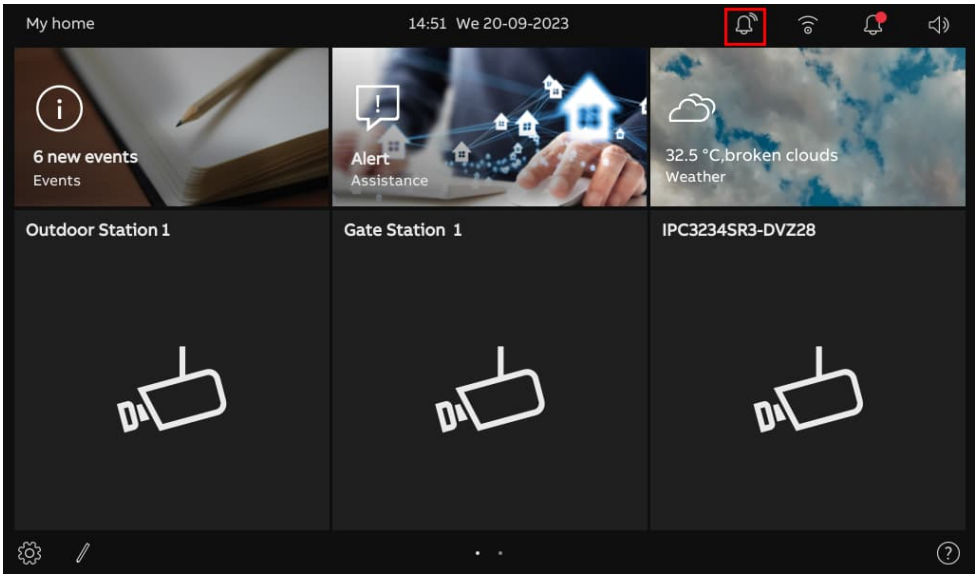


No.	Function
1	" Communication" indicates a communication.
2	Display the device name.
3	Display " " to indicate no image can be displayed on the screen. The countdown (9…1) will be displayed in the last 9 s.
4	Tap " " to mute the microphone.
5	Tap " " to end the call.
6	Tap " " to adjust the volume of the voice.
7	Tap " X " to quit the communication.

9.1.3 Call from doorbell

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

If the doorbell is associated with the camera, the panel will display the image from the camera automatically.

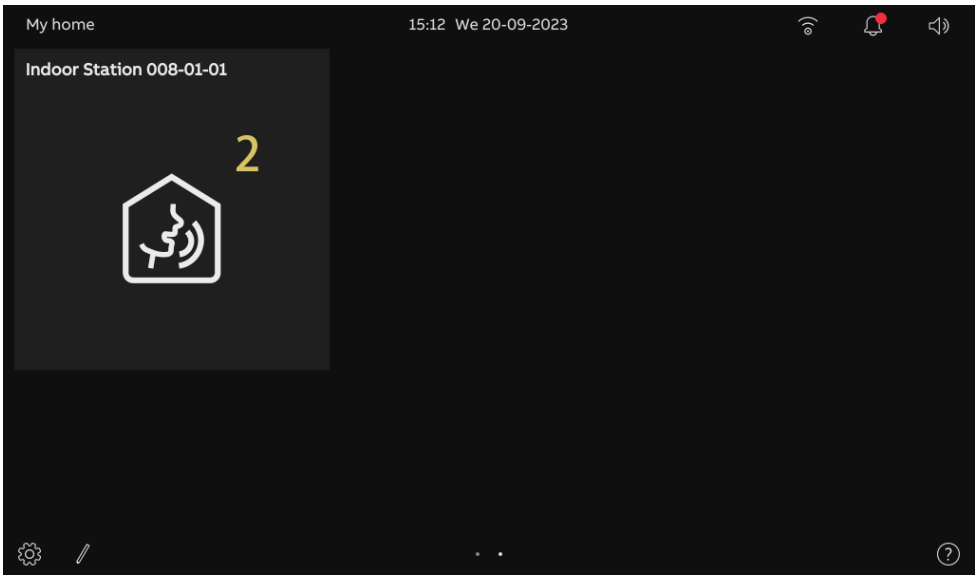


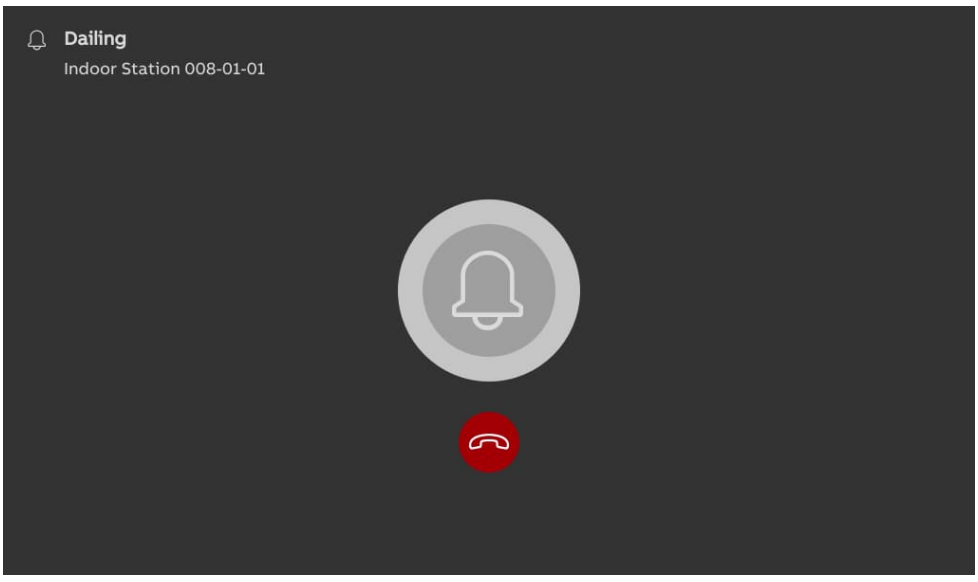
9.2 Intercom

Please follow the steps below:

[1] Adding a control for Intercom to the dashboard, see chapter 8.2.4 “Creating a control for the intercom“ on page 39.

[2] On the dashboard, tap the designated intercom to initiate a call.





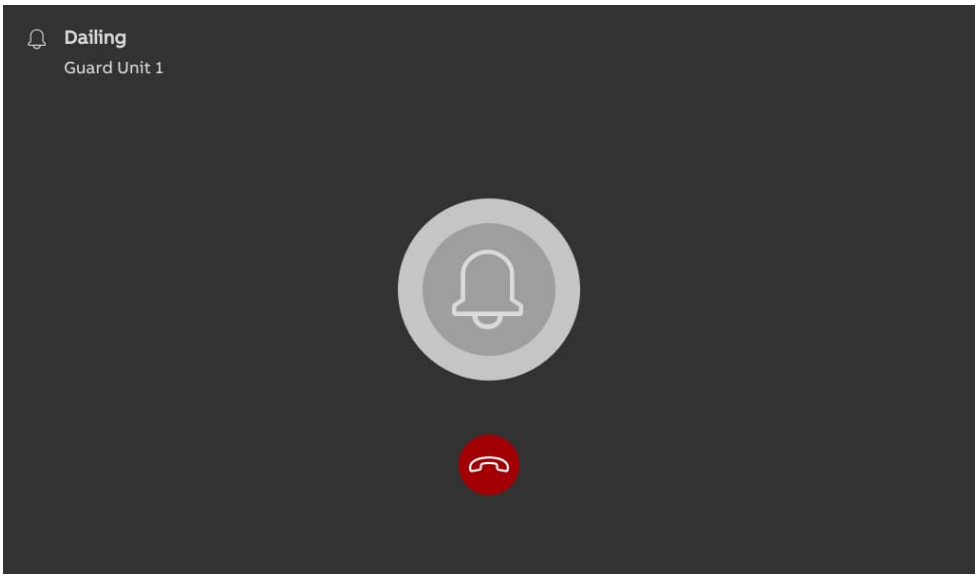
9.3 Call Guard Unit

Please follow the steps below:

[1] Configuring the address of default Guard Unit, see chapter 8.4.7 “Configuring the address of default Guard Unit“ on page 114.

[2] Adding a control for Guard Unit to the dashboard, see chapter 8.2.4 “Creating a control for the intercom“ on page 39.

[3] On the dashboard, tap the designated Guard Unit to initiate a call.



9.4 Surveillance

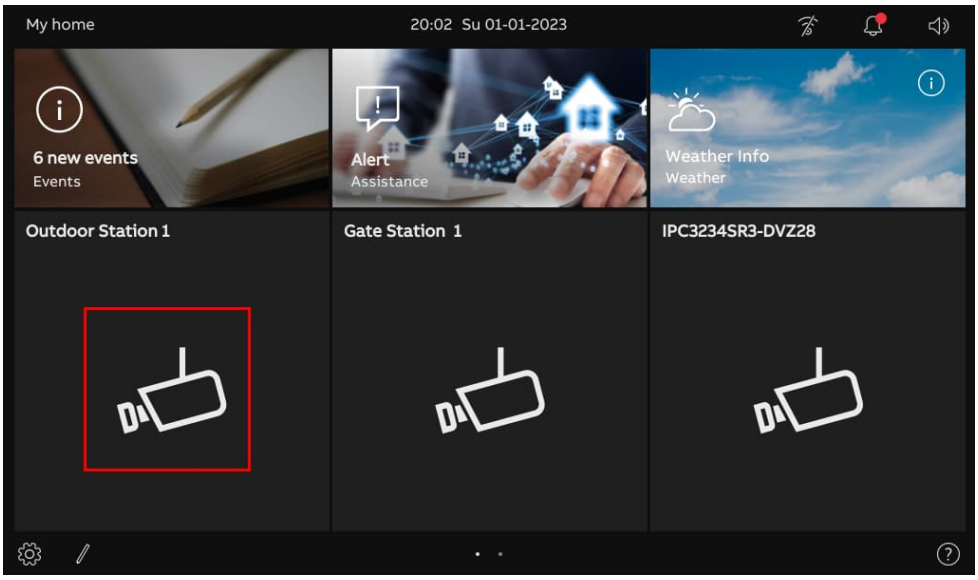
9.4.1 Accessing video surveillance

Please follow the steps below:

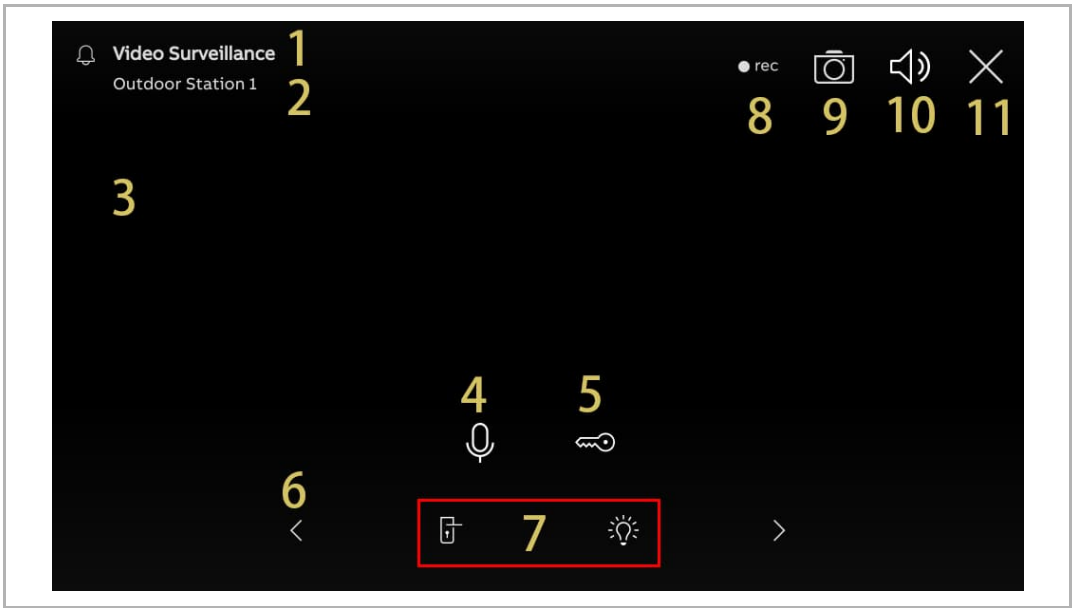
[1] Adding a control for the designated Outdoor Station or the IP camera to the dashboard.

- see chapter 8.2.3 “Creating a control for the camera“ on page 37.

[2] On the dashboard, tap the designated Outdoor Station or IP camera to initiate a surveillance.

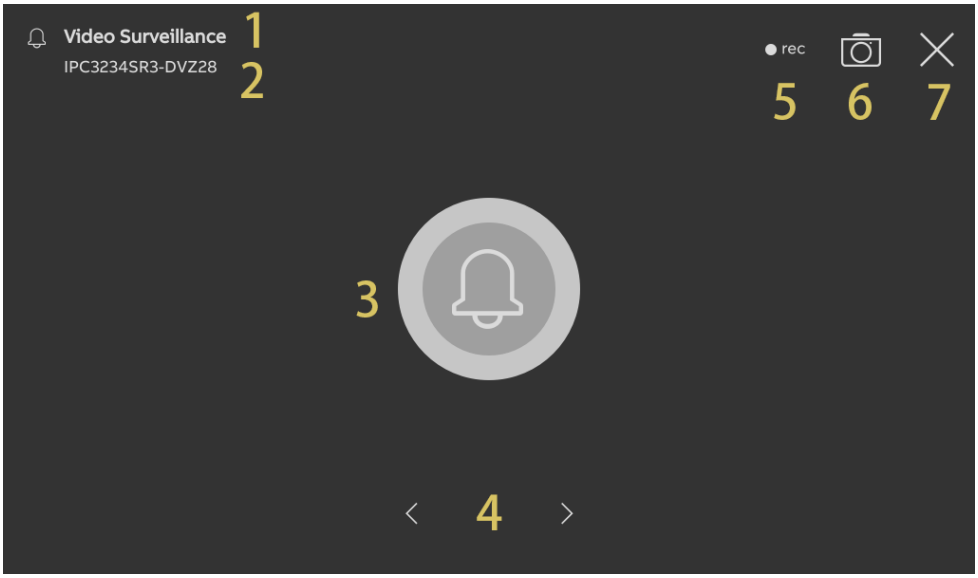


9.4.2 Surveillance from outdoor stations



No.	Description
1	" Video Surveillance" indicates a surveillance (120 seconds).
2	Display the device name.
3	**Display the image** ▪ Display the image of the designated Outdoor Station. ▪ If a camera has been assigned to the calling Outdoor Station, the image of the camera will be displayed here. ▪ The countdown (9…1) will be displayed in the last 9 s.
4	Tap " " to initiate a communication with the Outdoor Station. Tap " " to mute the microphone.
5	Tap " " to release the default lock on the designated Outdoor Station.
6	If there are IP cameras have been added to the dashboard. Tap “<” or “>” to display the images of the cameras.
7	Tap the program button if any to carry out the programmable function.
8	Tap " rec " to record a video.
9	Tap " " to take a snapshot manually.
10	Tap " " to adjust the volume of the voice.
11	Tap " X " to quit the surveillance.

9.4.3 Surveillance from IP camera



No.	Function
1	" Video Surveillance" indicates a surveillance (120 seconds).
2	Display the device name.
3	Display " " to indicate no image can be displayed on the screen. The countdown (9…1) will be displayed in the last 9 s.
4	If there are IP cameras have been added to the dashboard. Tap “<” or “>” to display the images of other cameras.
5	Tap " rec " to record a video.
6	Tap " " to take a snapshot manually.
7	Tap " X " to quit the surveillance.

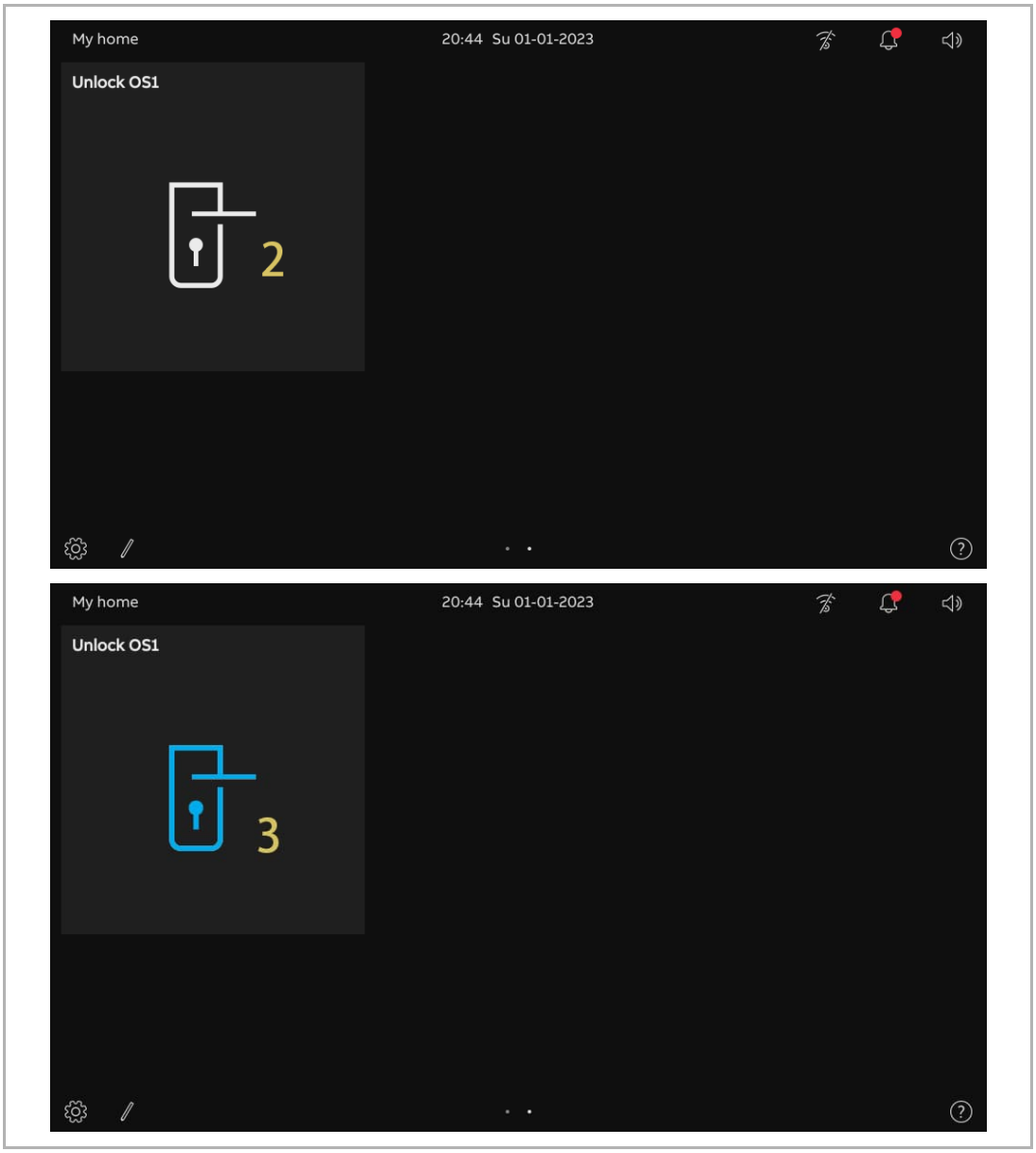
9.5 Releasing the lock

Please follow the steps below:

[1] Adding a control for the designated lock to the dashboard, see chapter 8.2.6 “Creating a control for the door lock“ on page 43.

[2] On the dashboard, tap the designated door lock to release it.

[3] " " will be displayed on the screen if success.



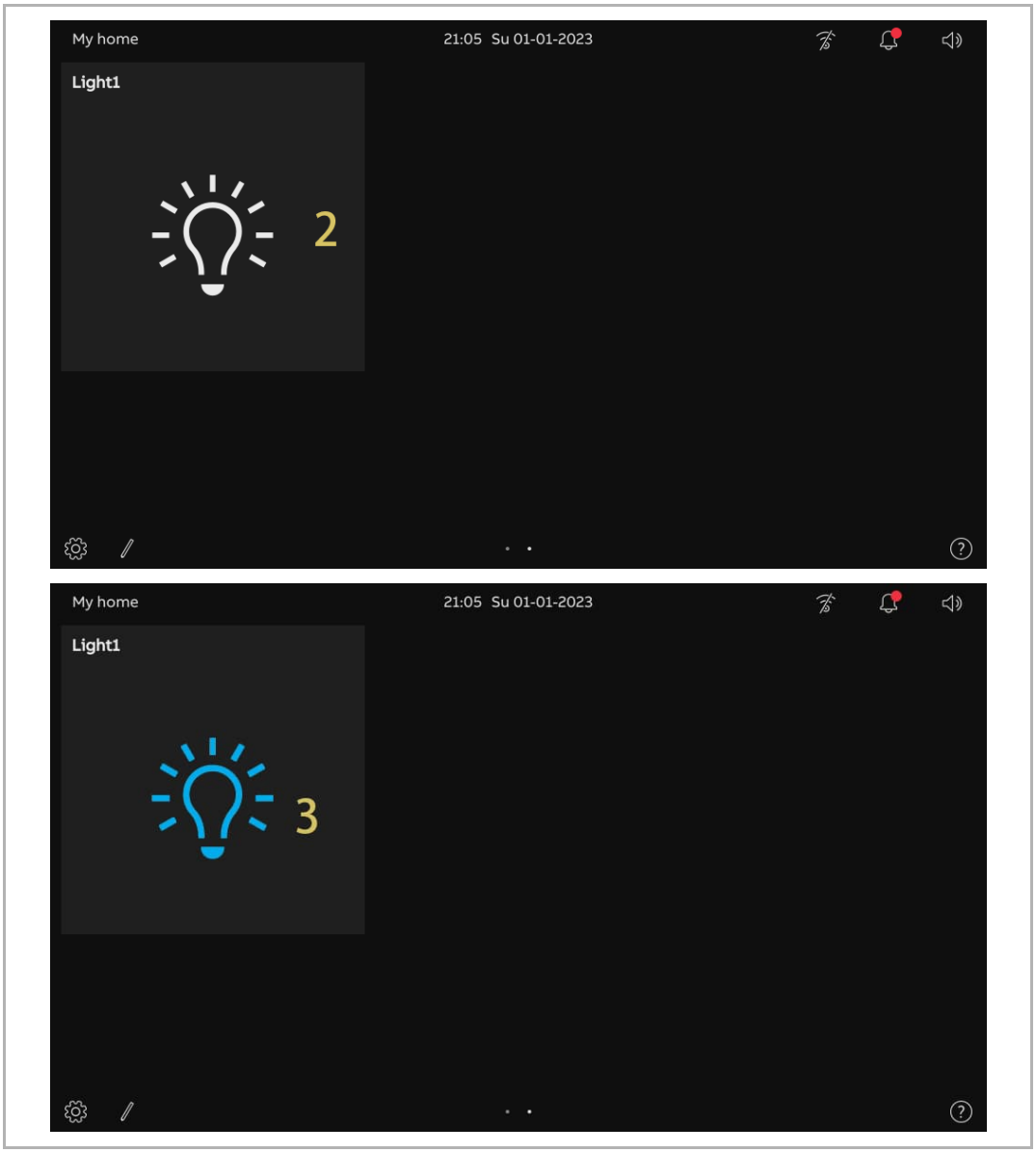
9.6 Turn on a light

Please follow the steps below:

[1] Adding a control for the designated light to the dashboard, see chapter 8.2.5 “Creating a control for the light“ on page 41.

[2] On the dashboard, tap the designated light to turn on it.

[3] " " will be displayed on the screen if success.



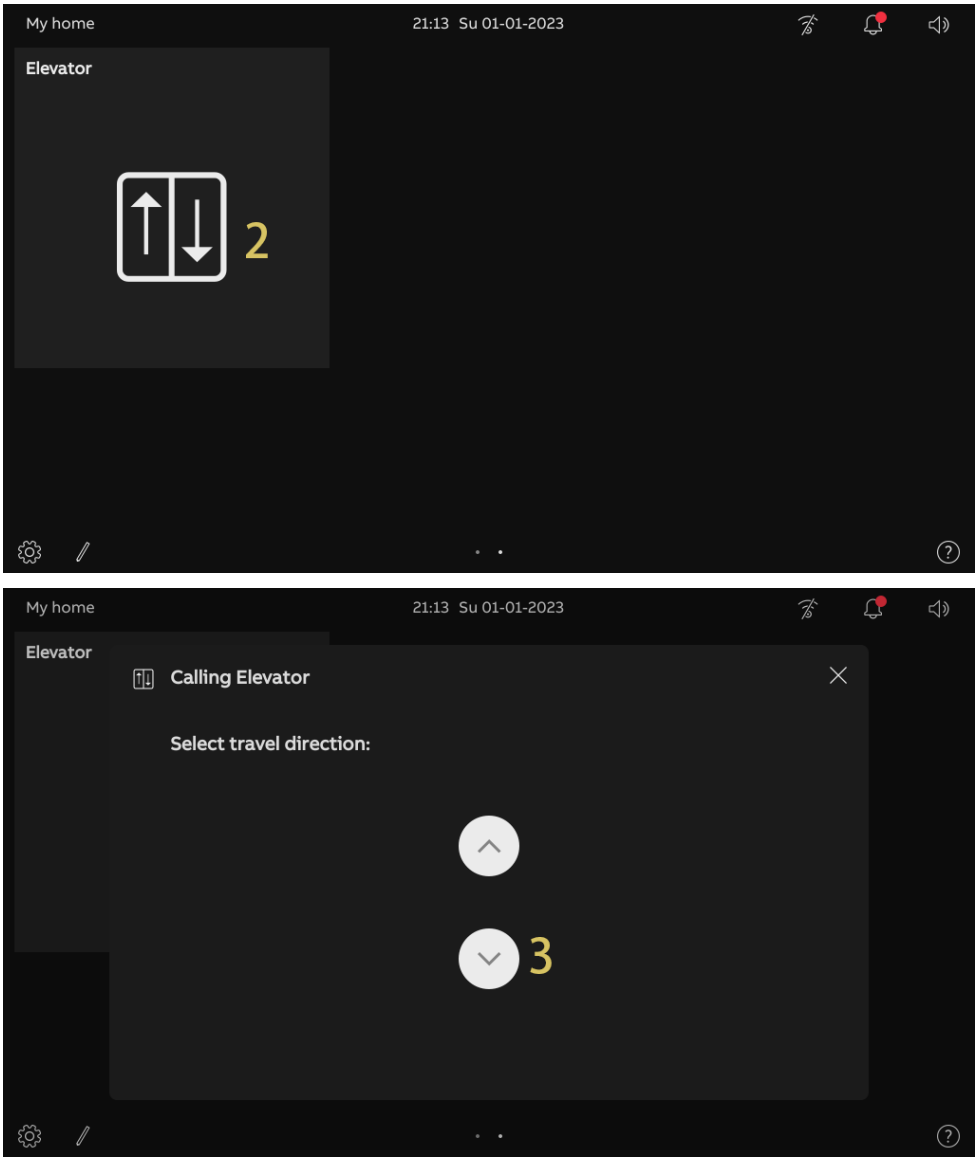
9.7 Call the elevator

Please follow the steps below:

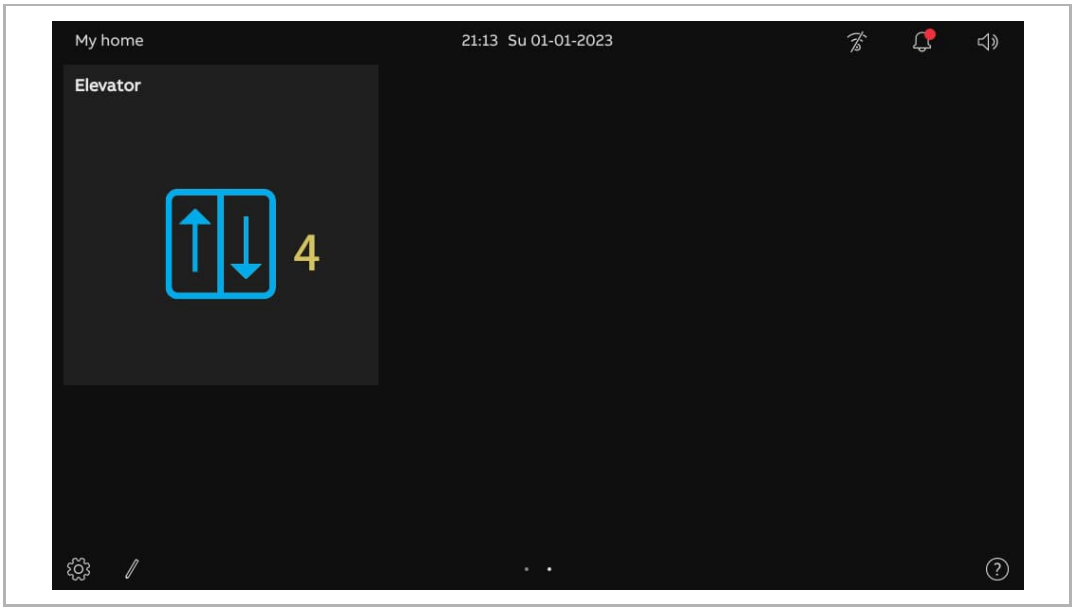
[1] Adding a control for the designated elevator to the dashboard, see chapter 8.2.7 “Creating a control for the elevator“ on page 45.

[2] On the dashboard, tap the designated elevator to activate it.

[3] Tap the direction icon e.g. " " to call the elevator. " " will be displayed if success.



[4] " " will be displayed on the dashboard to indicate the process.



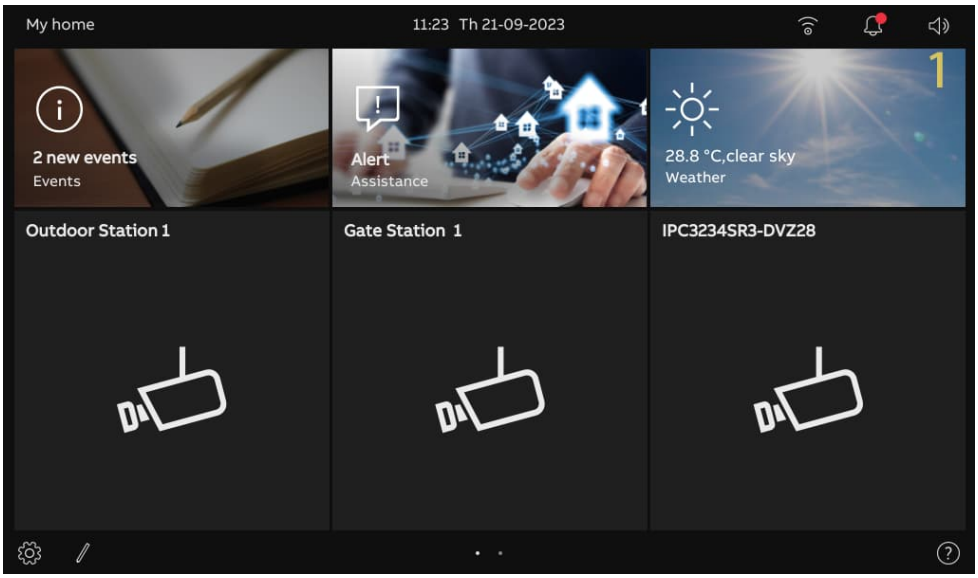
9.8 Configuring the voice

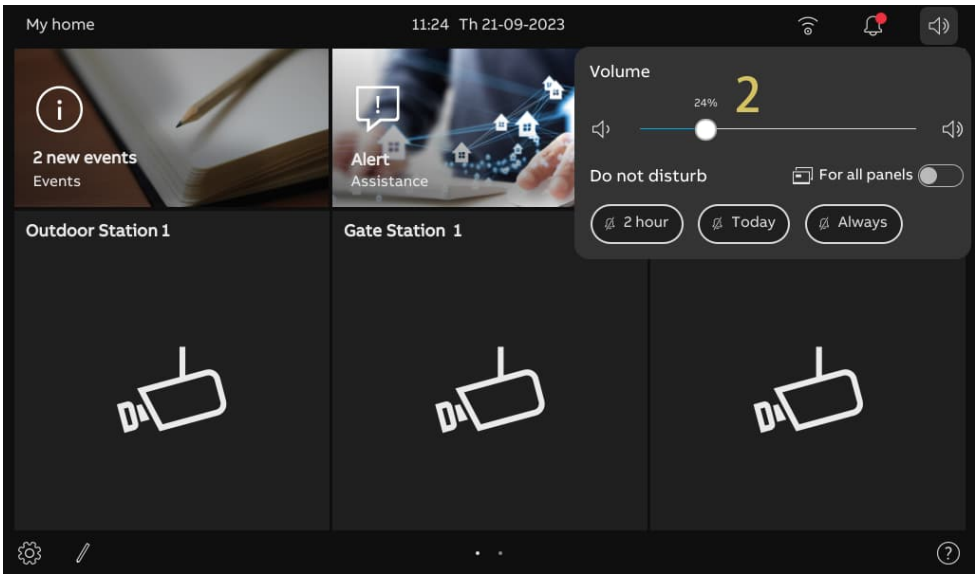
9.8.1 Adjusting the voice volume

Please follow the steps below:

[1] On the dashboard, tap the voice icon " ".

[2] On the pop-up window, drag the scroll bar to adjust the voice volume.





9.8.2 Configuring the "Mute" function

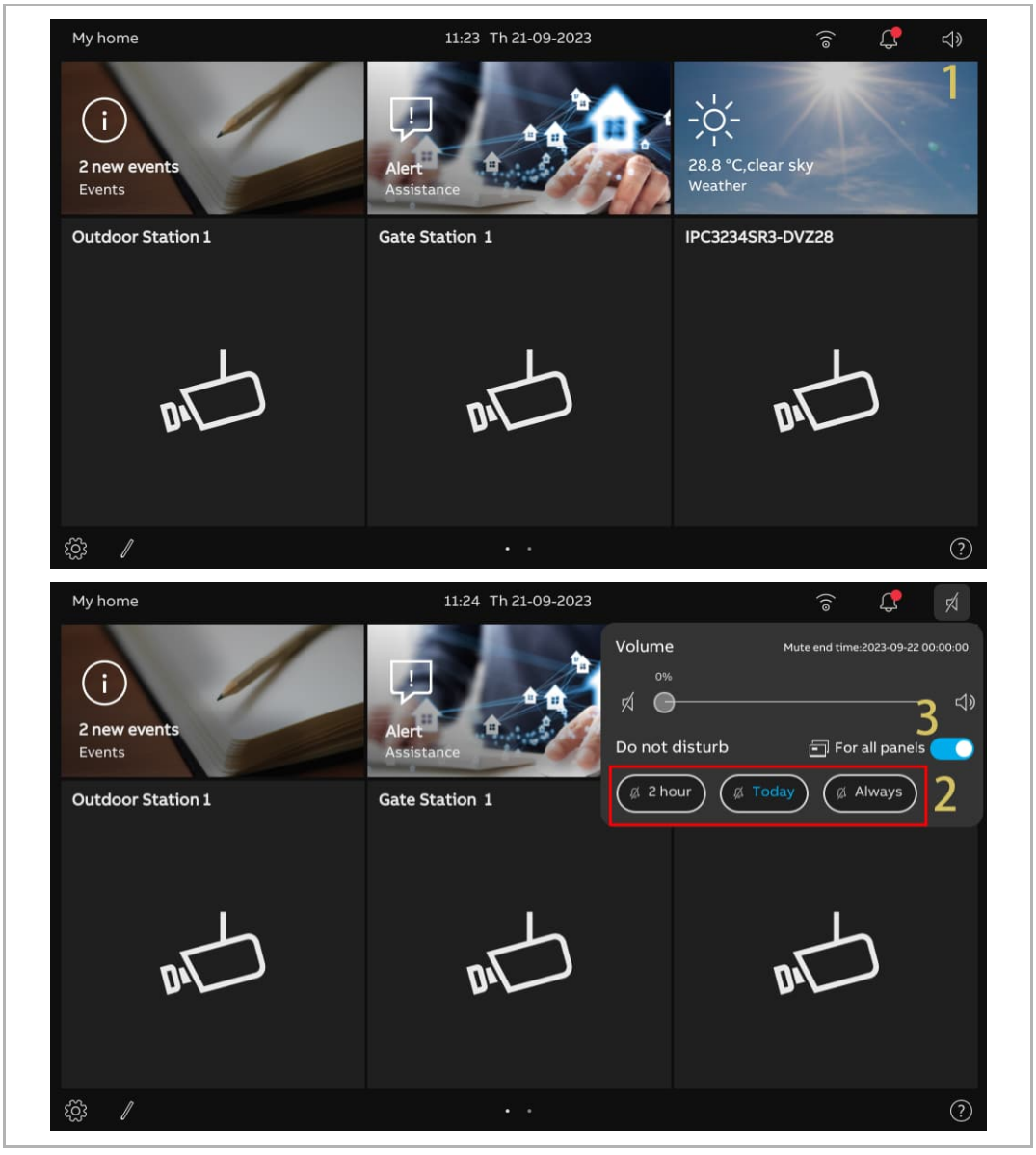
Please follow the steps below:

[1] On the dashboard, tap the voice icon " ".

[2] On the pop-up window, select the mute type. It can be set to "2 hours", "Today" or "Always".

[3] Select the effective objects.

- If "For all panels" is disabled, mute function only applies to current panel.
- If "For all panels" is enabled, mute function will apply to all panels in the same apartment.



9.9 Sending an alarm request

If you are in distress, something happened at home or if you live an old person or sick person at home and they need some support. They can send an alarm request.

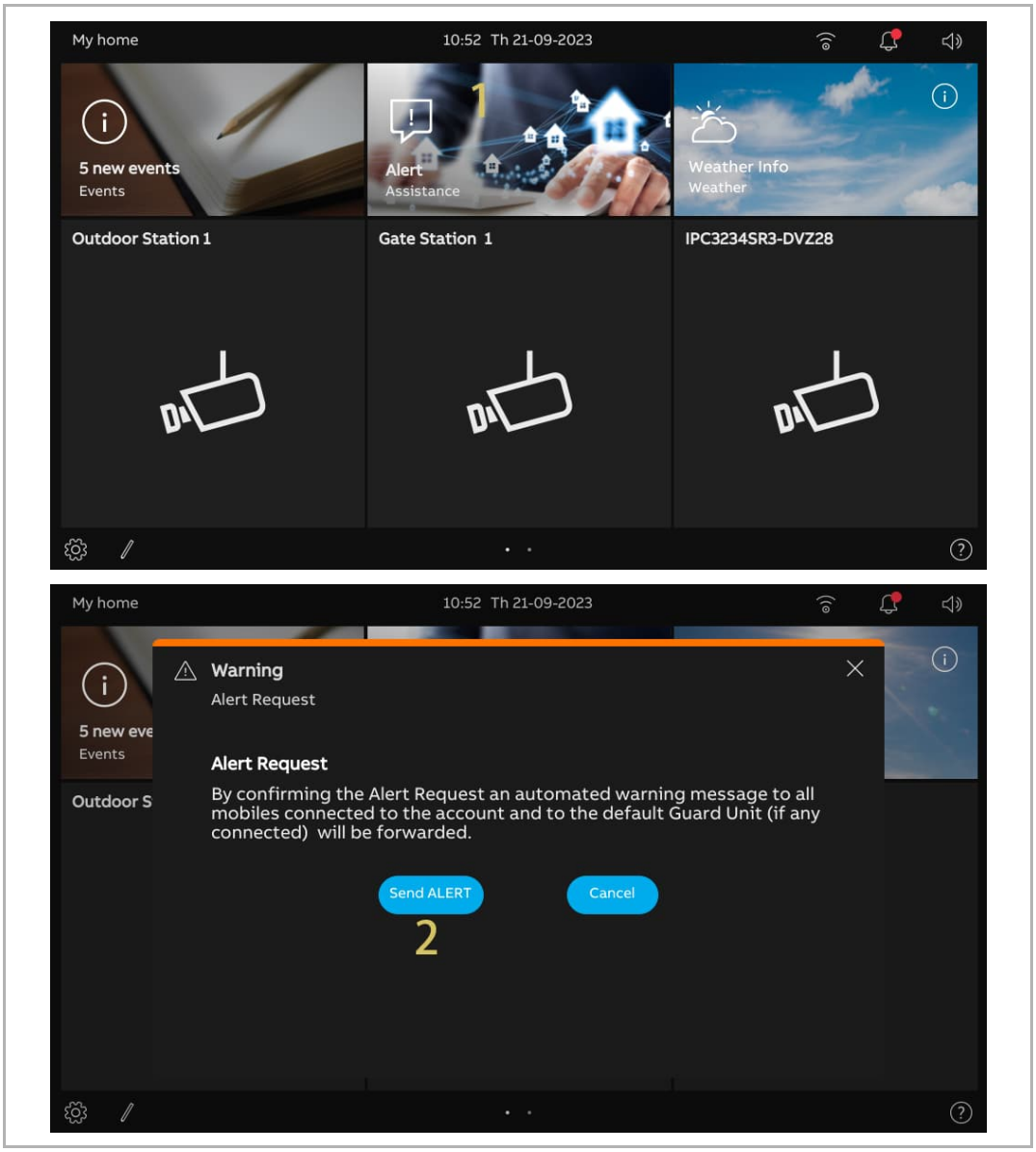
An automatic message will be sent to the accounts that are shared between the family and APP.

Please follow the steps below:

[1] On the dashboard, tap "Alert" to access the corresponding screen.

[2] Tap "Send alert".

[3] "SOS signal has been sent." will be displayed on the screen if success.

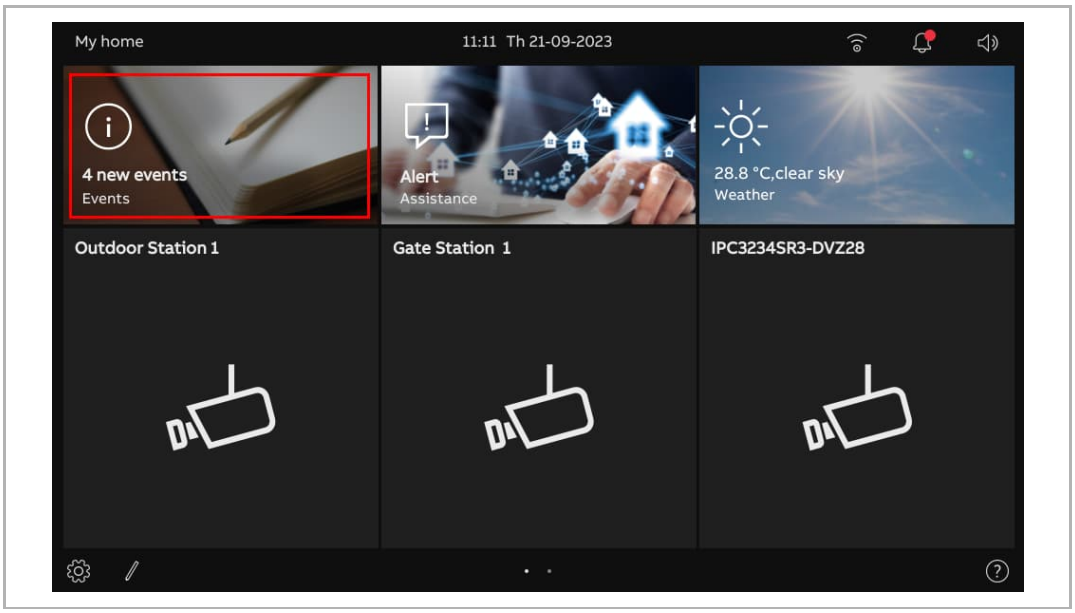


9.10 History

Accessing the "Call History" screen

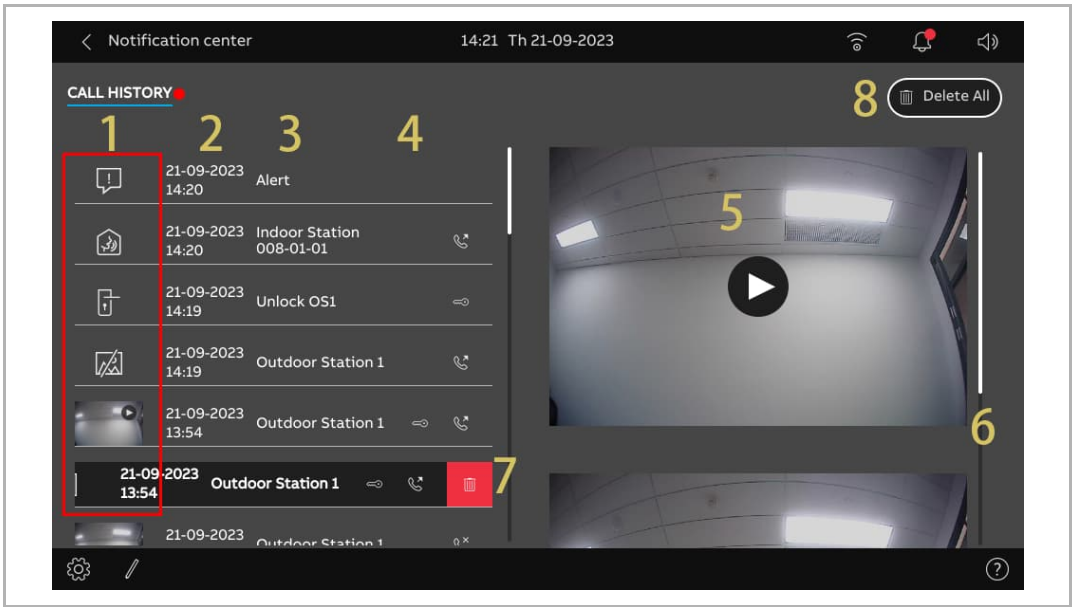
On the dashboard, tap "Events" to access the "Call history" screen.

" " indicates there are missed calls.



Viewing the call records

On the "Call History" screen,



No.	Description
1	" " indicates the record contains a video. " "indicates the missed call. " " indicates the SOS record " " indicates an intercom " " indicates a unlock " " indicates the record doesn't contains a snapshot
2	Display the date and the time of the record.
3	Display the object name
4	" "= missed call " " = incoming call " " = outgoing call " " = unlock
5	Play videos or display the images
6	Scroll down to view other videos or images
7	Swipe the designated record to left and tap " " to remove it.
8	Tap "Delete All" to remove all history records.

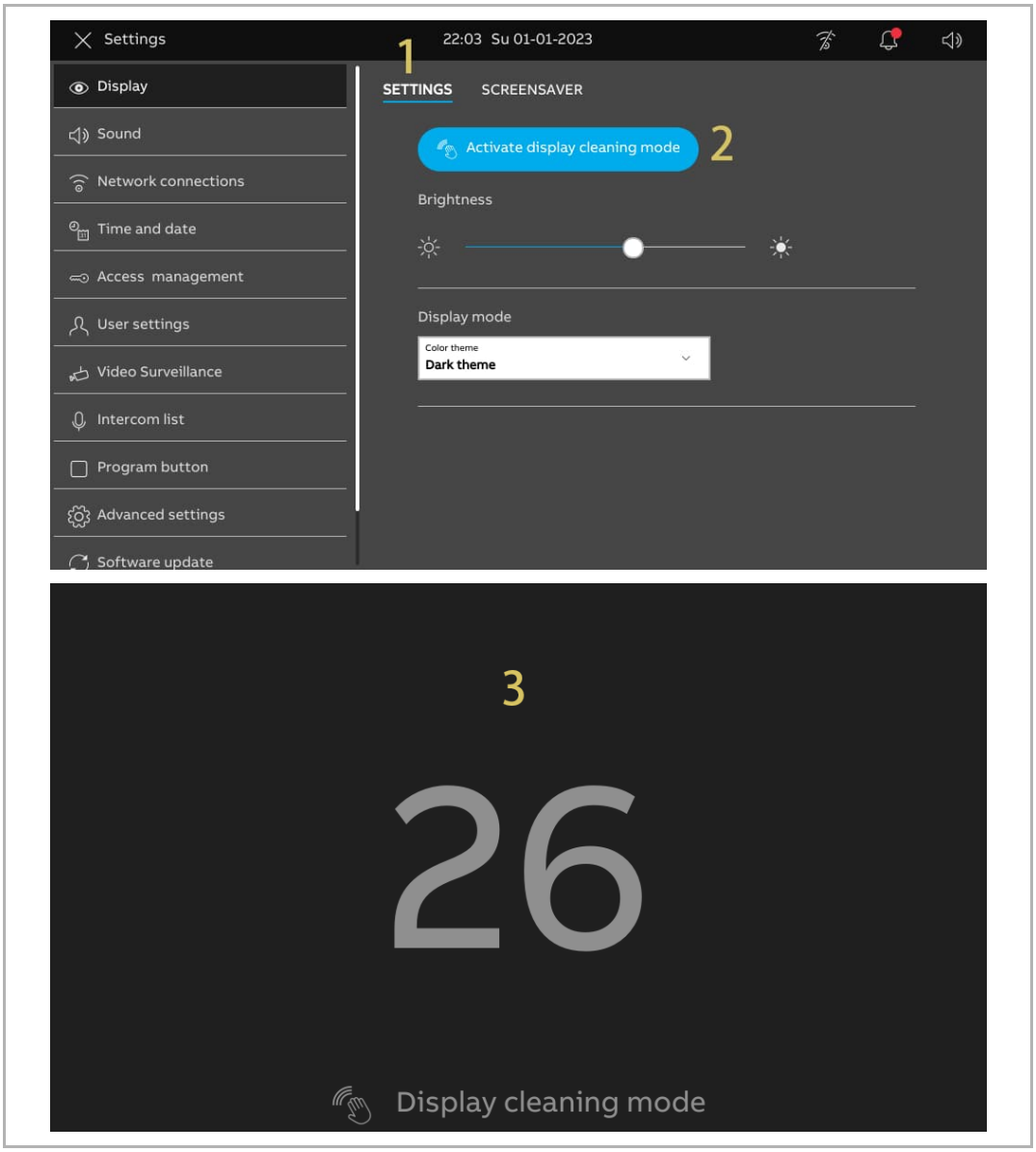
9.11 Clean screen

Please follow the steps below:

[1] On the "Settings", "Display" screen, tap "Settings".

[2] Tap "Activate display cleaning mode".

[3] The countdown (30…1) is displayed on the screen. Any operations on the screen will be invalid. This panel will exit "Cleaning mode" if an incoming call is received.



10 Cyber security

10.1 Disclaimer

This product H8249-1. 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 H8249-1. 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)
UDP	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	UDP	To be used by sip client.
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
7005	TCP	To be used for connectivity detection
7006	TCP	To be used for connectivity detection
10777	TLS	Secure channel for device management

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 on one system shall be signed by a public CA at the commissioning stage; in normal situations, the management software functions as the CA.

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 "Smart Access Point". In this mode, a signature file will be used to verify the authentication and integrity of firmware.

Users are strongly advised not to upgrade their devices using firmware that has not been officially released by ABB.

10.5 Malware prevention solution

All official firmware versions of the device are scanned for malware before release, and the firmware upgrade mechanism ensures that only the legally released firmware can be upgraded.

While ABB provides maximum security for its products, it strongly advises users not to disassemble the devices or even replace components, which could lead to malware intrusion.

11 Notice

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Approvals and Compliances

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