Original instructions

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202405

M-Air PRO

Operation Manual

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1. Application Features

The M-Air PRO application (hereinafter referred to as "application") is designed to operate the PAC wired remote control (hereinafter referred to as "R/C") with a smartphone using Bluetooth® wireless technology.

- Sets various functions of an air conditioner (hereinafter referred to as "A/C").
- Displays the operation status of an A/C.
- Displays information on errors occurring in an A/C.

CAUTION

The application communicates with the R/C only when it is running and in use. If your smartphone display is switched to a screen other than the application screen, pairing with the R/C is disconnected.

If pairing is not established, the application display and operations are limited.

It may take a few minutes to establish communication between the R/C and the application.

■ System requirements for smartphones

iOS	14.0 – 17.0
Android	9.0 – 13.0

The application is free of charge. Communication charges incurred for downloading, updating, and using the application for any other purposes are borne by users.

CAUTION

Be sure to set the local time on the smartphone to be paired. When pairing is established, the R/C synchronizes with the smartphone and automatically sets the time.

■ Compatible R/Cs

If you are using the following R/C, you can use the application.

① RC-ES Series

CAUTION

- Due to a one-to-one communication method, plural R/Cs and plural smartphones cannot be paired with each other at the same time.
- Application operations may be limited depending on the operation status of the indoor units (hereinafter referred to as "IUs") and the settings of the IUs and R/C.
- When the R/C is communicating with the IUs, the operation information of the application may not be applied to the R/C and IUs.
- When performing operations such as toggling operation settings or information acquisition, you cannot perform the following operations until there is a response from the R/C. Leave the application visible on the screen until the application receives a response from the R/C and completes the operation. If your smartphone screen is switched to a screen other than the application screen, unexpected behavior may occur the next time you use the application.

■ Operation modes

There are three operation modes in the application, and the available operation modes are determined depending on the account type you selected in the account settings (→Section 2.3.3).

Mode name	Available functions		Remark
Mode 1	You can mainly use the functions for general users.	Operation Useful functions Initial settings Operation data for your reference[*1]	If your account type is user, you can use only the functions in mode 1.[*1]
Mode 2	You can mainly use the functions for device administrators.	Useful functions Filter Administrator settings/unit settings Name settings	If your account type is administrator, you can use the functions in mode 1 and mode 2. You need to enter a password when you set an account.
Mode 3	You can mainly use the functions for service administrators.	Installation settings R/C function settings IU settings Test run Operation data Maintenance information display Service	If your account type is service, you can use the functions in all modes. You need to enter a password when you set an account.

*1: If your account type is administrator or service, you can use the operation data for your reference. If your account type is user, you cannot use the operation data for your reference.

■ Permission/prohibition

Typical cases where application operations are limited, are those by the operation status of the A/C and the Main/Sub setting of the R/C. Operations are limited as follows.

○: Operable, △: Partially operable, ×: Inoperable

Mode name	Function	Operation status		Main/Sub of R/C	
		Running	Stopped	Main	Sub
Error display		○	–	○	○
Information display		○	○	○	○
Mode 1	Operation	△ *1	△ *2	○	△ *3
	Useful functions	○	○	○	×
	Initial settings	○	○	○	○
	Operation data for your reference	○	○	○	×
Mode 2	Useful functions	△ *4	○	○	×
	Filter	×	○	○	×
	Administrator settings	△ *5	○	○	×
	Name settings	○	○	○	○
Mode 3	Installation settings	△ *6	○	○	△ *7
	R/C function settings	×	○	○	×
	IU settings	×	○	○	×
	Test run	△ *8	○	○	×
	Operation data	○	○	○	×
	Maintenance information display	○	○	○	△ *9
	Service	△ *10	○	△ *11	△ *12

*1: Temperature (hereinafter referred to as "temp") increment setting, set temp display, and motion sensor control are inoperable.

*2: Change flap direction is inoperable.

*3: Temp increment setting, anti draft ON/OFF, motion sensor control, warm up setting in timer, and weekly timer are inoperable.

*4: Sleep timer, peak-cut timer, outdoor unit (hereinafter referred to as "OU") silent mode, automatic temp set back, and motion sensor control are inoperable.

*5: Only R/C display item settings are operable.

*6: Address setting of main IU, IU back-up function, and motion sensor setting are inoperable.

*7: Only contact name/contact number/contact e-mail address settings are operable.

*8: Cooling test run is inoperable in operation modes other than cooling.

*9: IU fan operation, IU capacity display, and display operation data in error in IU address are inoperable.

*10: Main/Sub of R/C, save/transfer IU settings, delete IU address, and perform a factory reset are inoperable.

*11: Main/Sub of R/C is inoperable when one R/C is connected.

*12: Next service date setting, save/transfer IU settings, delete IU address, and perform a factory reset are inoperable.

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App Store is a service mark of Apple Inc.

2. Preparation for Use

2.1. Setting up your smartphone

Turn on Bluetooth on your smartphone.

2.2. Starting the application

Touch the icon of the application.

Figure 2-1

The application starts and the logo of the application appears. Then the following occurs.

- At first startup, the operation screen (Figure 2-2) appears after the initial settings of the application (→Section 2.3).
- From the second time onwards, the operation screen (Figure 2-2 or Figure 2-3) appears.

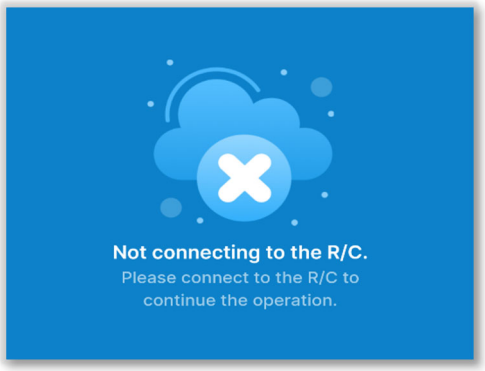


Figure 2-2

Operation screen when pairing is not established

(→Section 2.3)

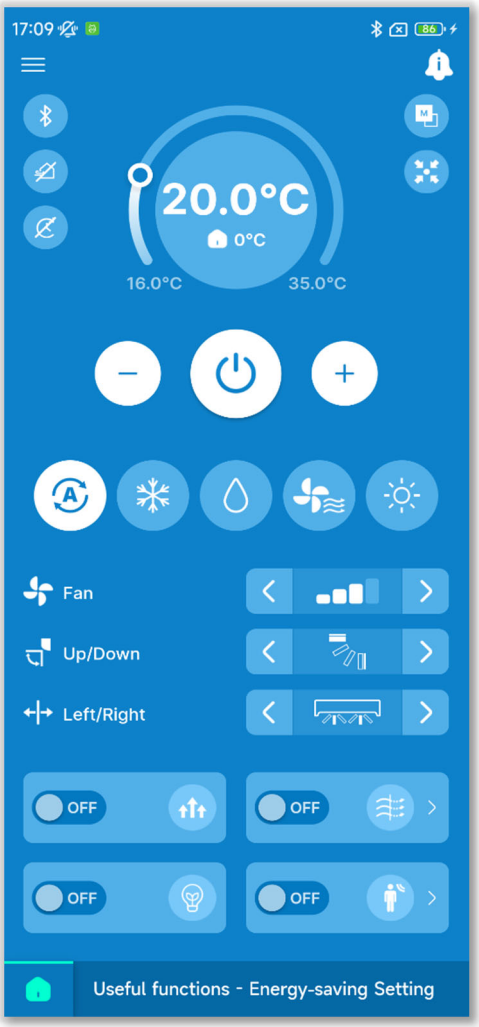


Figure 2-3

Operation screen when pairing is established

(→Section 6.1.1)

2.3. Initial settings of the application

At first startup, the "Select the language," "License Agreement," and "Account Settings" screens appear in this order.

2.3.1. Setting the application language

Figure 2-4

Select the language to use in the application, and touch the "Next" button to complete the setting.

- You can change the application language setting after the first startup. (→Section 3.1.7.2)

2.3.2. License agreement

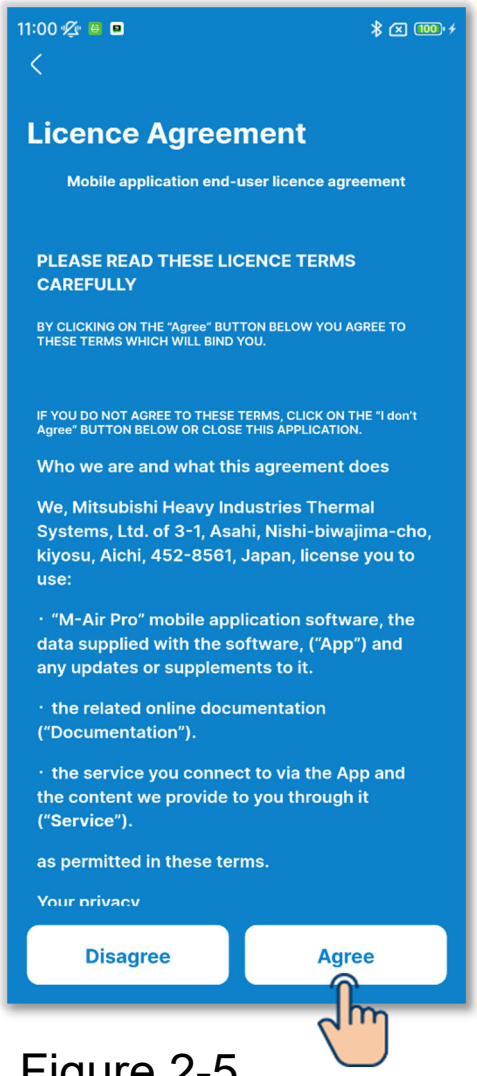


Figure 2-5

Read through and check the terms of the license agreement, and if you wish to agree to the terms and use of the application, touch "Agree."

CAUTION

On some smartphones, “Don’t agree” button appears on the screen.

The application will be exited when touched the button.

2.3.3. Account settings

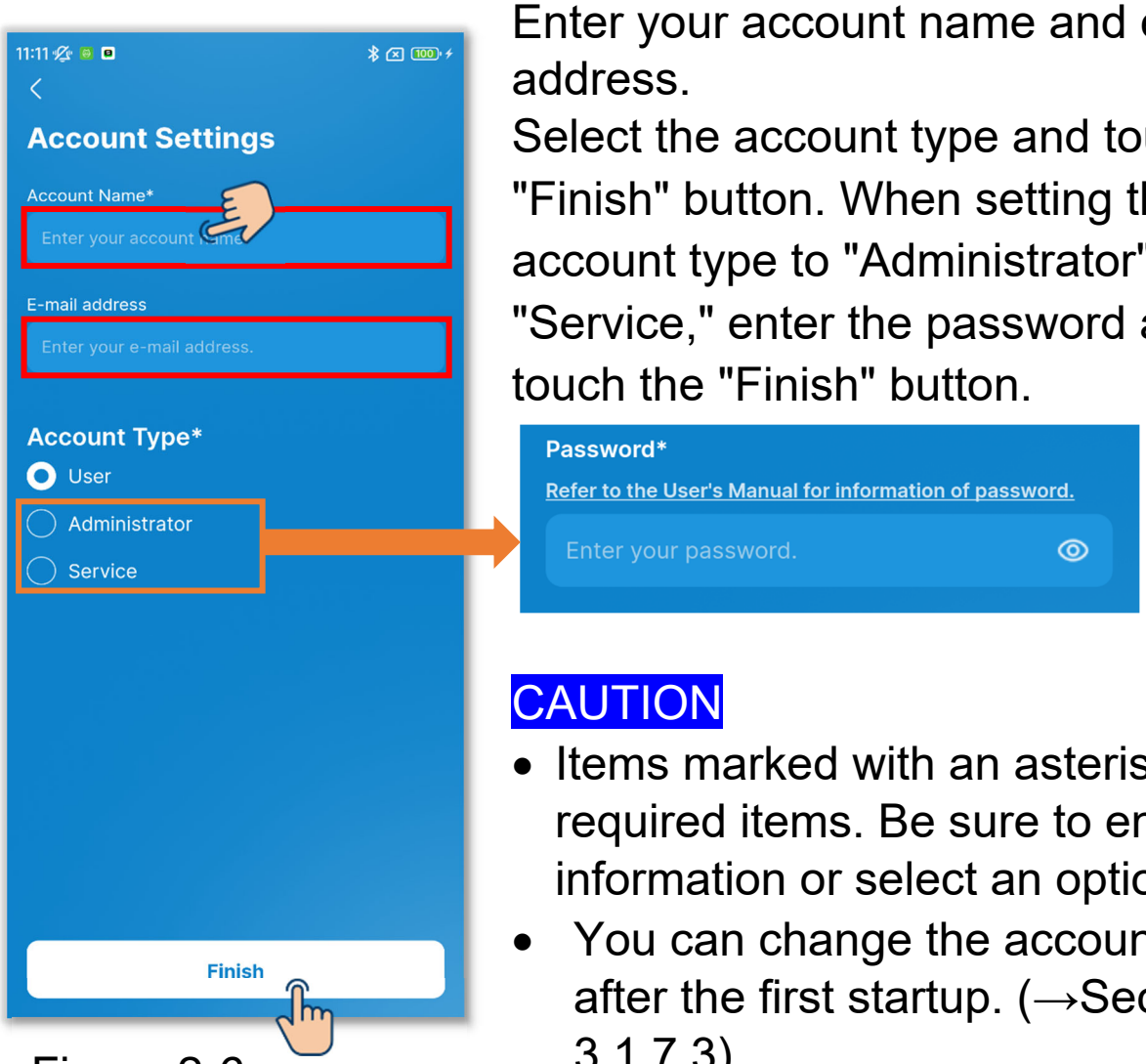


Figure 2-6

Enter your account name and e-mail address.
Select the account type and touch the "Finish" button. When setting the account type to "Administrator" or "Service," enter the password and then touch the "Finish" button.

CAUTION

- Items marked with an asterisk (*) are required items. Be sure to enter the information or select an option.
- You can change the account settings after the first startup. (→Section 3.1.7.3)
- Password

  The password to be entered at the first startup is the initial password.

	Initial password
Administrator	Admini@9999
Service	Service@9999

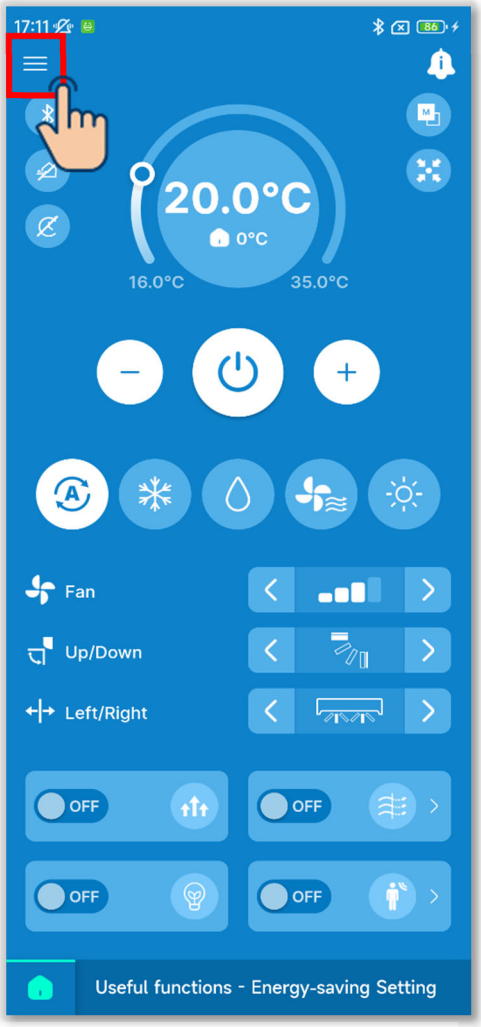
  You can change the password setting after startup. (→Section 3.1.7.4)

3. Basic Usage

3.1. Menu screen

Touch the button in the upper left of the screen to display the menu screen.

When pairing is stablished



When pairing is not established

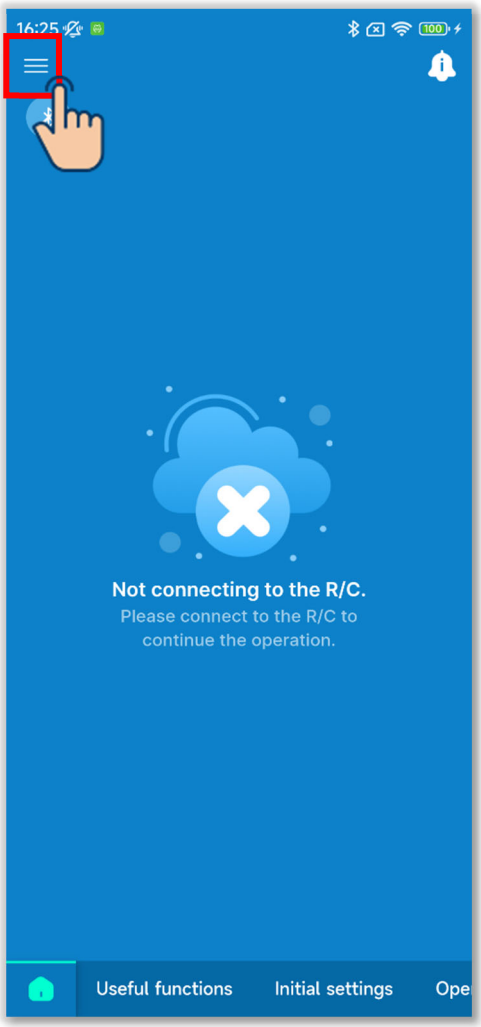


Figure 3-1

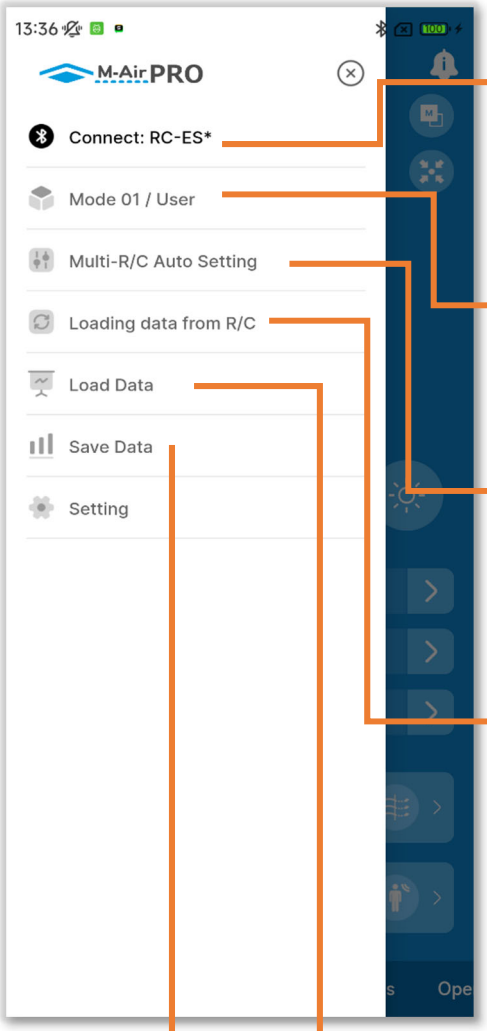


Figure 3-2

Pairing:
Set the pairing with a new R/C and switch pairing. (→Section 3.1.1)

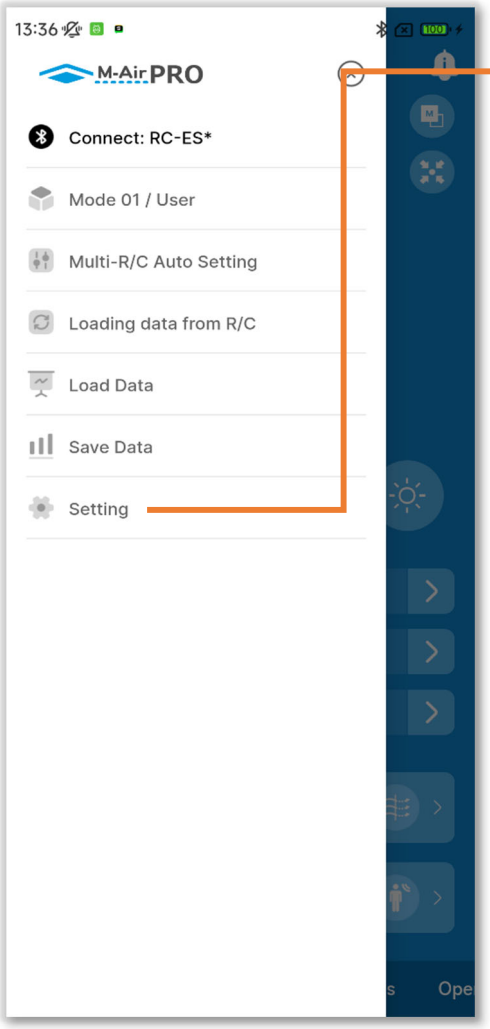
Mode 01/User:
Switch between operation modes. (→Section 3.1.2)

Multi-R/C Auto Setting:
Automatically set the settings in plural R/Cs. (→Section 3.1.3)

Load Data from R/C:
For the items displayed on the application screen, load the current settings from the R/C and display them on the screen. (→Section 3.1.4)

Load Data:
Load a setting data file saved in the application and on your smartphone and display the settings on the application screen. You can also attach the setting data file to an e-mail. (→Section 3.1.5)

Save Data:
Save the settings displayed on the application screen to a file. (→Section 3.1.6)



Settings:

Check and change the various settings below.

- Application notification (→Section 3.1.7.1)
- Application setting (→Section 3.1.7.2)
- Account settings (→Section 3.1.7.3)
- Password setting (→Section 3.1.7.4)
- Icon list (→Section 3.1.7.5)
- User's manual (→Section 3.1.7.6)

Figure 3-3

3.1.1. Pairing with R/C

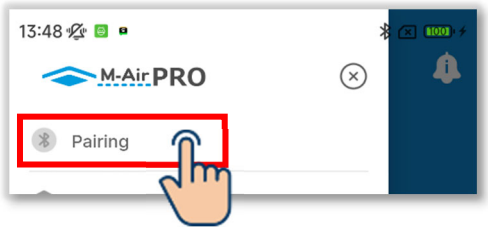


Figure 3-4

①Open the menu screen and touch "Pairing" to display the "Pairing" screen*1.

If pairing is established, touch the name of the paired R/C.

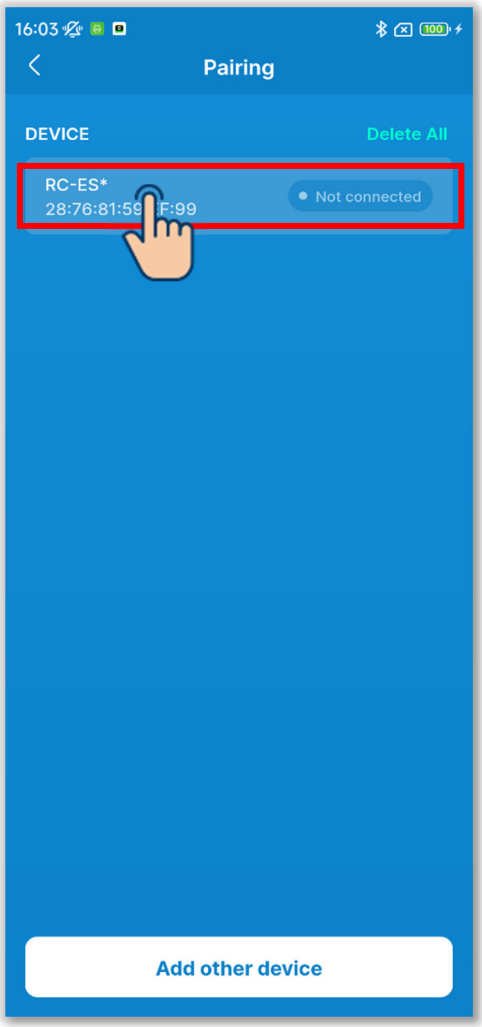


Figure 3-5

②Touch the R/C you want to pair with in the device list.*2

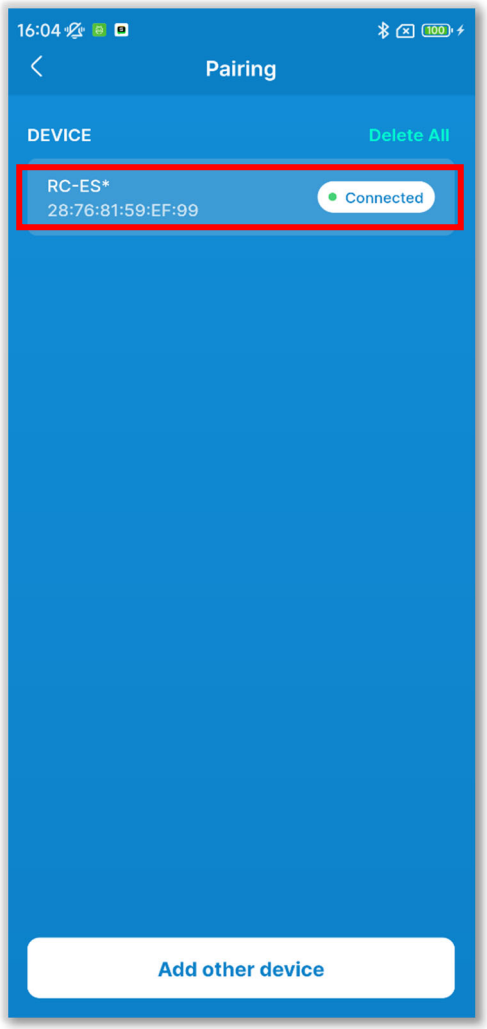
*1:The "Pairing" screen displays a list of R/Cs with pairing registered in the application that are located within the communication range. On some smartphones, the R/C will need to be paired in advance in the device list of your smartphone (OS).

*2:The device list displays the R/C names registered in the application. If there are plural R/Cs, you can register the R/C names in the application to enable identification of any R/C. (→Section 6.2.4)

If there are R/Cs in the device list, pairing is automatically performed with any one R/C when you start the application.

Figure 3-6

③Touch the "Connect" button.



④When pairing is established, "Connected" appea rs.

Figure 3-7

■ When pairing with a new R/C

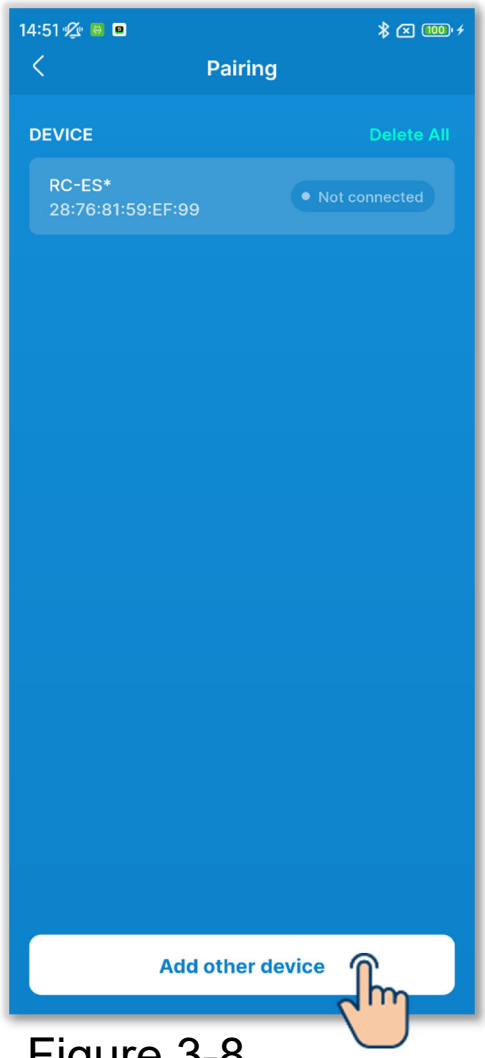


Figure 3-8

①Touch the "Add Device" button on the "Pairing" screen.

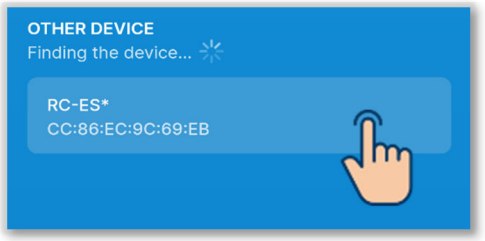


Figure 3-9

②Touch the R/C you want to pair with in the list in Other device[*1].[*2]

*1: The list in Other device displays the R/Cs located within the communication range that do not have pairing registered in the application.

2: If your smartphone is Android, the list in Other device displays the R/C model (RC-ES) and unique

R/C number. You can also check the unique R/C number on the R/C screen. If there are plural R/Cs of the same model, touch the R/C for which the unique number matches.

For the R/C operating procedure, see the user's manual of your R/C.

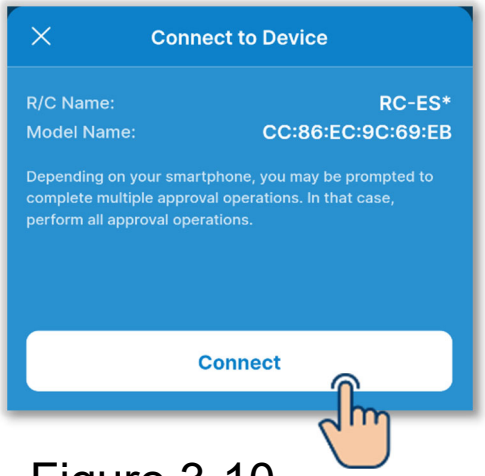


Figure 3-10

③Touch the "Connect" button.

*Depending on your smartphone, you may be prompted to complete multiple approval operations. In that case, perform all approval operations.

Figure 3-11

CAUTION

You also need to perform the pairing approval operation on the R/C. Check that the passkeys displayed on the R/C screen and in the application match, and perform the approval operation.

Check the R/C and app passkeys are the same, then tap the OK key to authorize the connection on the app.

For the R/C operating procedure, see the user's manual of your R/C.

Figure 3-12

If the paired R/C is the sub R/C, it cannot be operated from the application. Make sure that the R/C to be paired is the main R/C. The main/sub settings of the R/C can be checked from the R/C screen.

M：Main R/C

S：Sub R/C

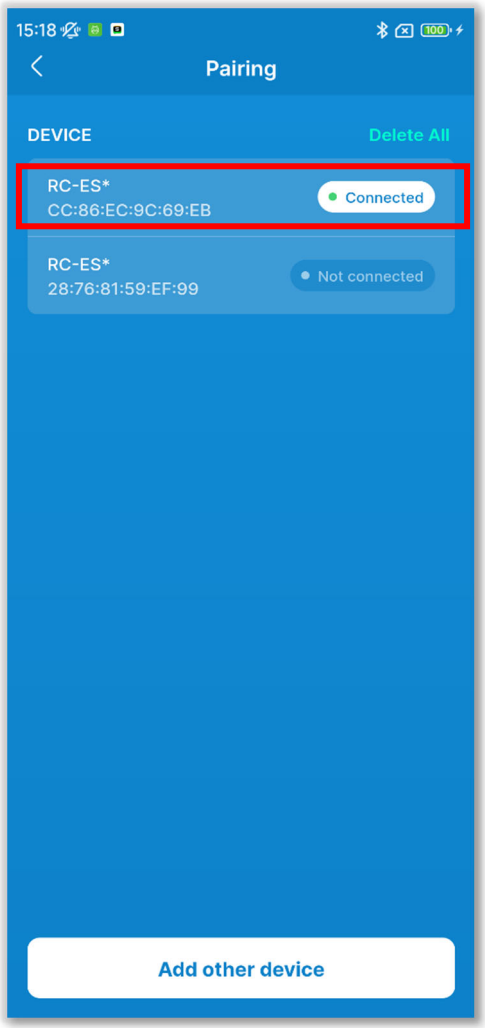


Figure 3-13

④When pairing is established, the R/C is added to the device list, and "Connected" appears.

■ When disconnecting pairing

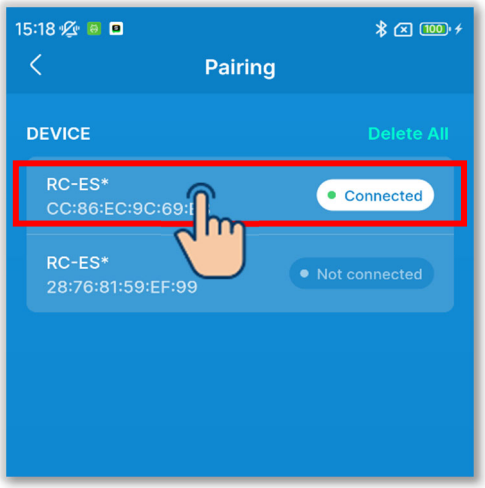


Figure 3-14

①Touch the R/C with "Connected" in the device list.

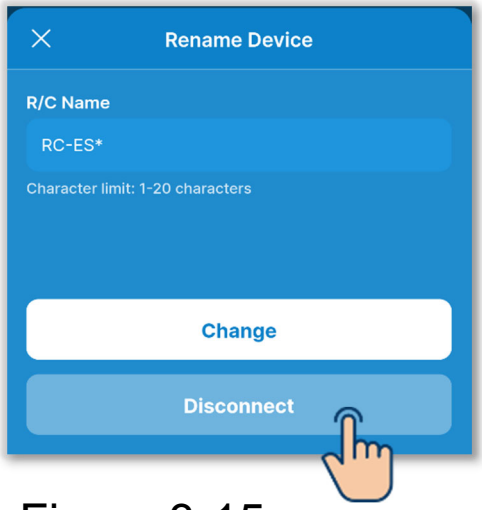


Figure 3-15

②Touch "Disconnect" to disconnect pairing. "Not connected" appears.

■ When canceling the pairing registration

CAUTION

Even if you cancel the pairing registration in the application, the R/C registration is not deleted from the device list on the smartphone (OS). Cancel pairing of the R/C from your smartphone.

When pairing is canceled, the information in Name settings (→Section 6.2.4) is deleted and will not be inherited when you perform pairing again.

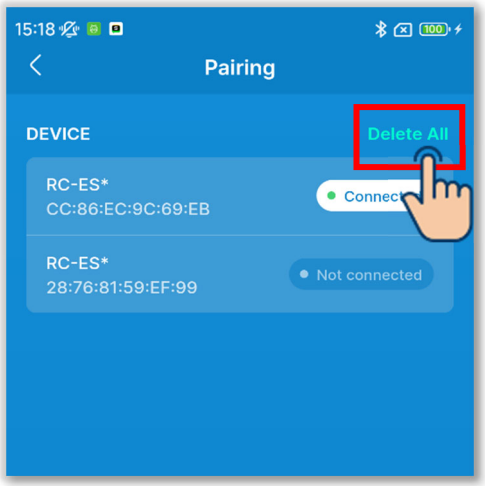


Figure 3-16

① To cancel the pairing registration of all R/Cs, touch "Delete All" in the device list.

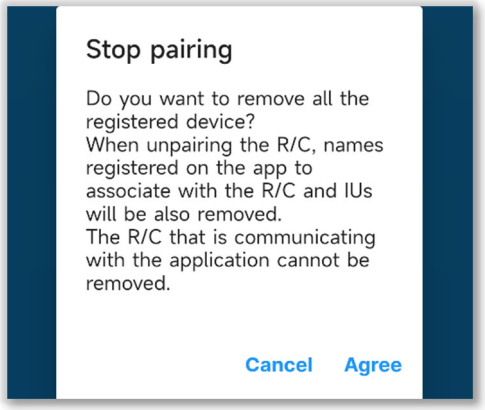


Figure 3-17

②Touch the "Agree" button in the confirmation popup.

CAUTION

You cannot cancel pairing with a R/C that is communicating with the application.

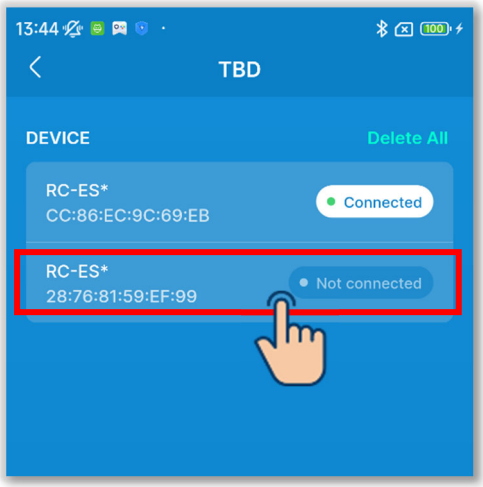


Figure 3-18

③To cancel the pairing registration of an individual R/C, touch the R/C with which you want to cancel pairing in the device list.

CAUTION

You cannot cancel pairing with a R/C that is communicating with the application.

You cannot cancel pairing with a R/C outside the Bluetooth communication range.

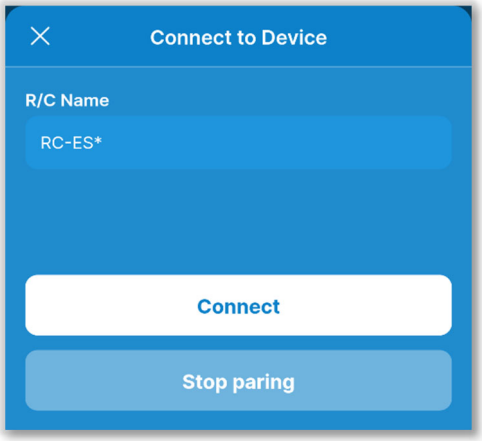


Figure 3-19

④Touch "Stop pairing."

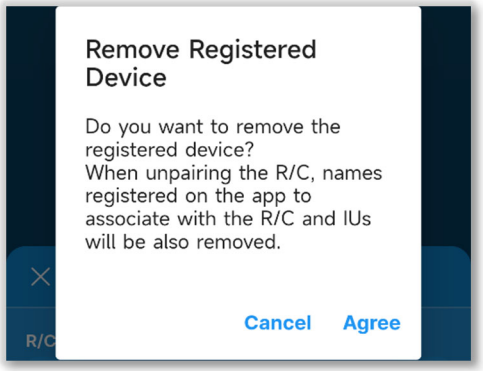


Figure 3-20

⑤Touch the "Agree" button in the confirmation popup.

3.1.2. Switching the operation mode

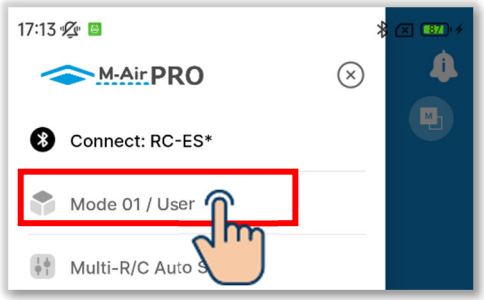


Figure 3-21

①Open the menu screen and touch the mode in use.

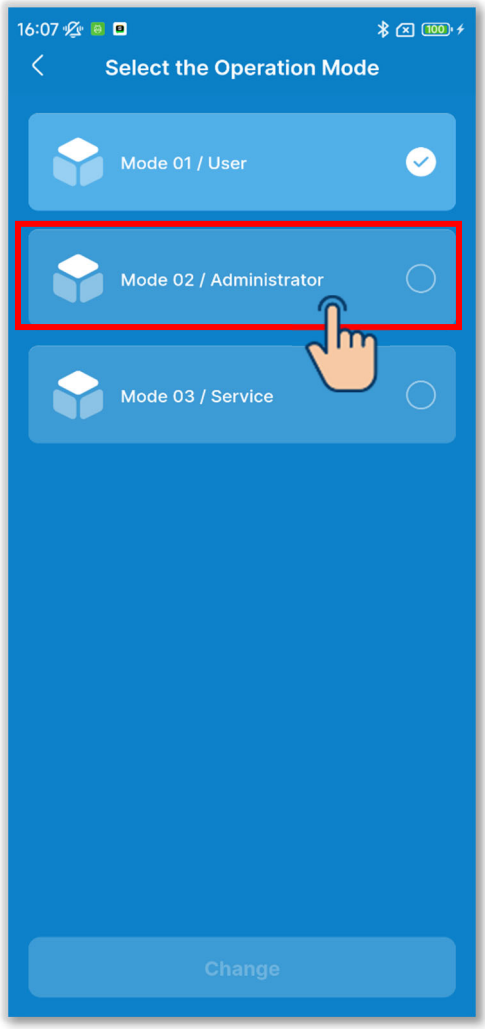


Figure 3-22

②On the "Select the Operation Mode" screen*1, touch the mode you want to use.

*1: On the "Select the Operation Mode" screen, the mode in use is indicated by a check mark. Mode switching is limited by the account type. (→Section 1)

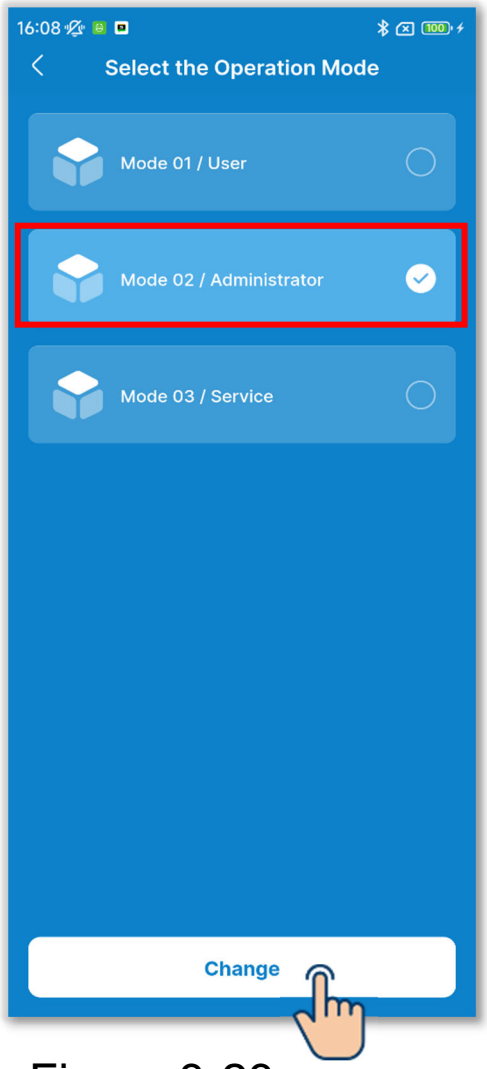


Figure 3-23

③Touch the "Change" button to switch the operation mode.

3.1.3. Multi-R/C auto setting

This one-touch auto setting function automatically sets the settings displayed on the screen in any plural R/Cs you selected.

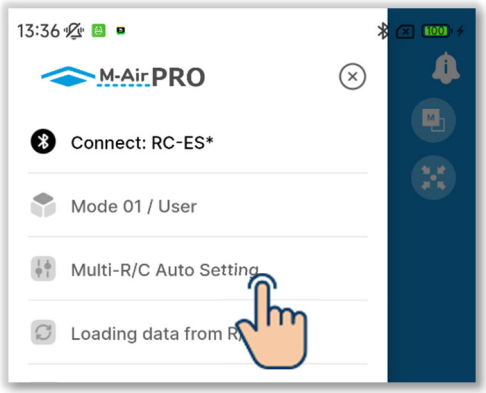


Figure 3-24

①Open the menu screen and touch "Multi-R/C Auto Setting."

CAUTION

If any of the following screens is displayed, you cannot execute Multi-R/C Auto Setting.

Useful functions, Operation data for your reference (mode 1), Name Settings (mode 2), Operation data display, and Maintenance Information display (mode 3)

Figure 3-25

②The "Multi-R/C Auto Setting" screen appears.

Touch the checkbox of the R/C for which you want to set the auto setting.

- R/Cs with pairing registered in the application that are located in the communication range are displayed.
- An R/C that is paired is indicated by a check mark.

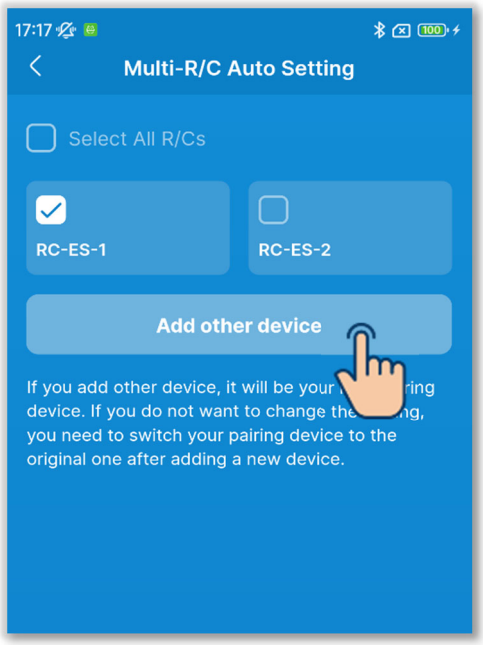


Figure 3-26

③Touch the "Add Device" button to add a new R/C to the R/Cs for which you can set the auto setting. (→Section 3.1.1)

CAUTION

If you add a device, pairing is performed with the added device. After you add a device, switch pairing to the original device.

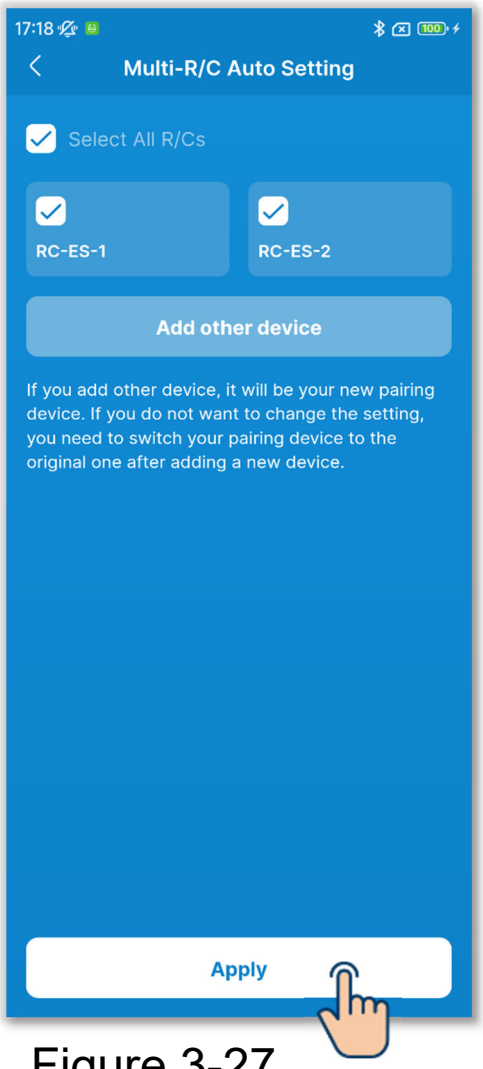


Figure 3-27

④Touch the "Apply" button.

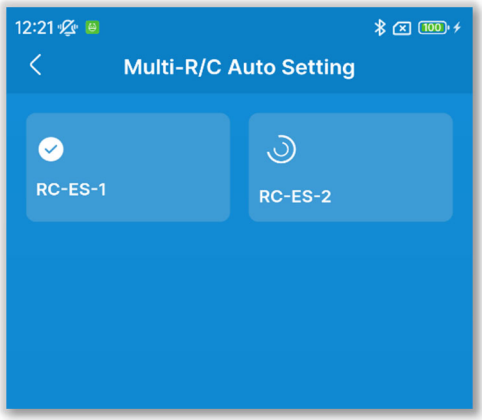


Figure 3-28

⑤The settings are transmitted to the selected R/Cs one by one in order.

You can check the transmission status by looking at the icons.

- Transmission to R/C is completed:
- Transmitting to R/C:

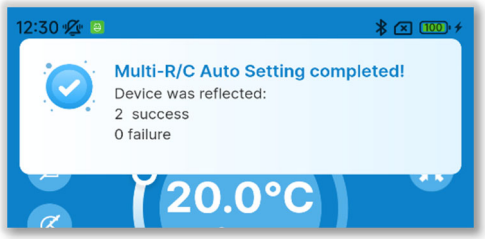


Figure 3-29

⑥Auto setting completion is notified and the auto setting results appear.

- Number of successful R/Cs
- Number of failed R/Cs and R/C names

3.1.4. Loading data from R/C

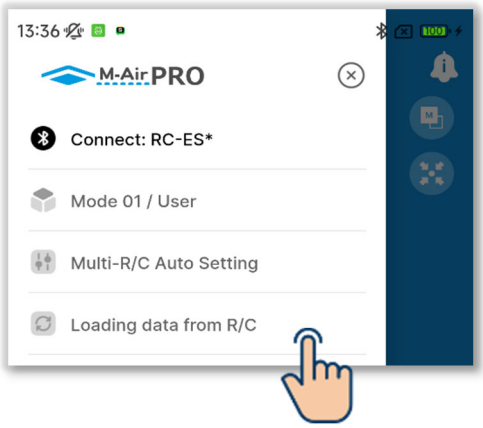


Figure 3-30

①Open the menu screen and touch "Load Data from R/C."

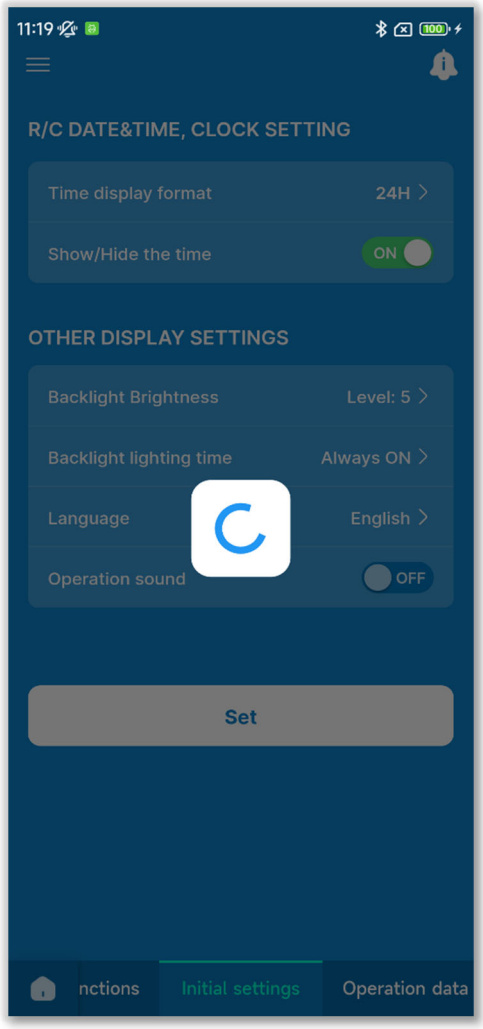


Figure 3-31

②For the items displayed on the application screen, the current settings are loaded from the R/C and displayed on the screen.

CAUTION

If any of the following screens is displayed, you cannot execute Load Data from R/C.

Operation, Useful functions, R/C initial settings, Operation data for your reference (mode 1), Useful functions, Filter, Administrator settings/unit settings, Name Settings (mode 2), Installation settings, IU settings, Test run, Operation data, Maintenance Information, Service (mode 3)

3.1.5. Loading data

Load the setting data file saved in the application and on the smartphone, and display the settings on the application screen. You can also attach the setting data file to an e-mail.

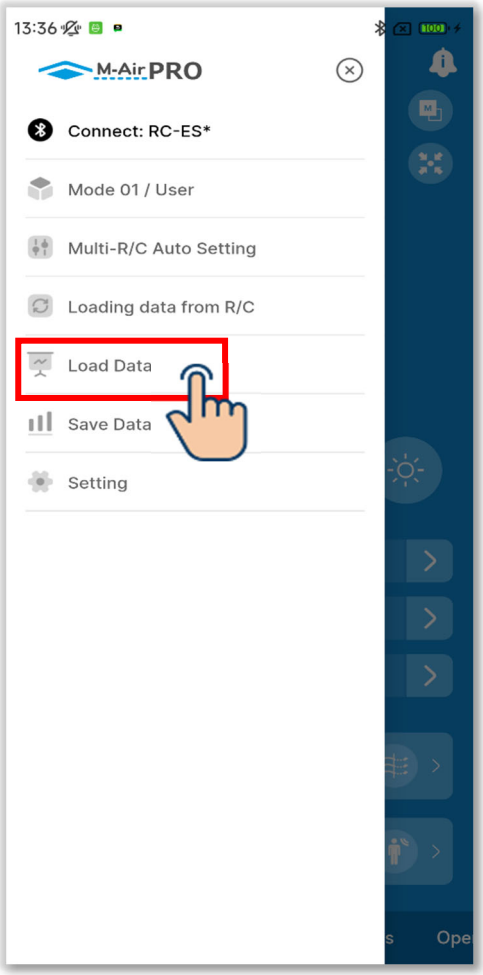


Figure 3-32

①Open the menu screen and touch "Load Data."

■ Loading the setting data

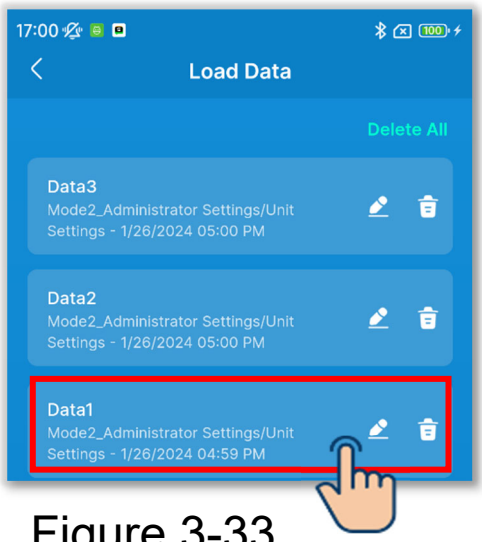


Figure 3-33

①The "Load Data" screen appears. Touch the setting data you want to load.

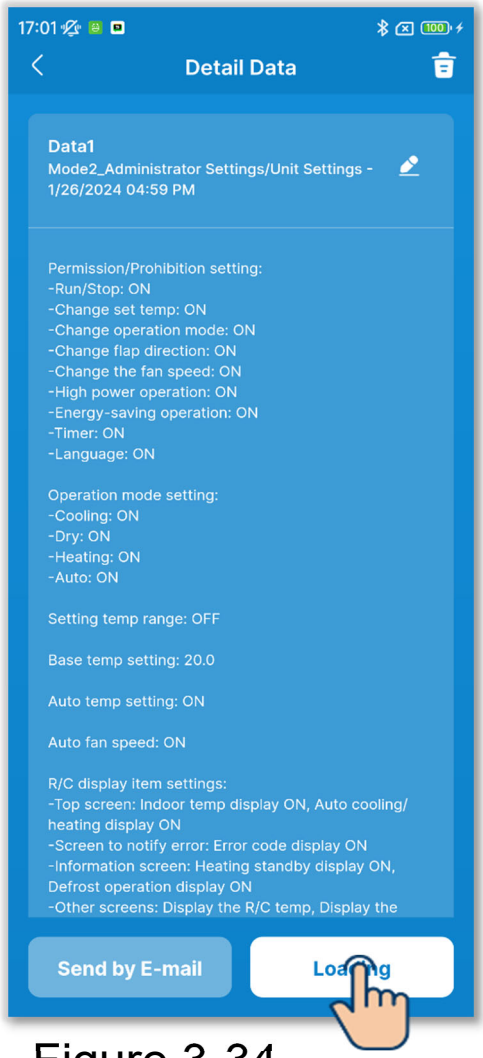


Figure 3-34

②The details of the selected setting data are displayed. To load the data, touch the "Loading" button.

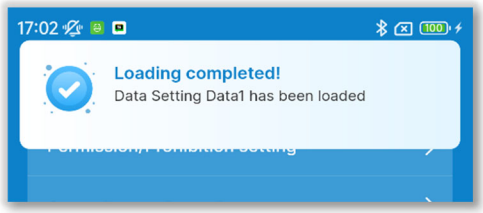


Figure 3-35

③A loading completed notification screen appears.

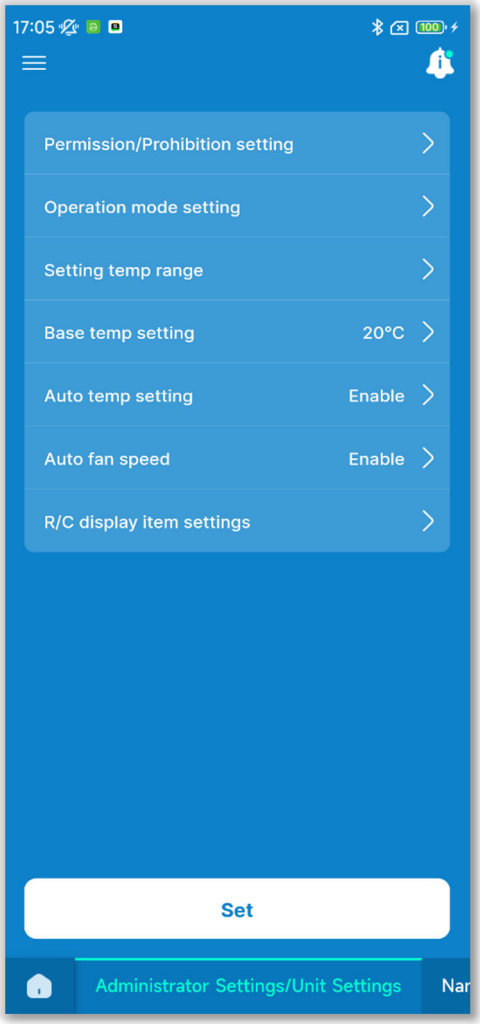


Figure 3-36

④The setting data is loaded to the application screen. (The figure on the left shows the results of loading the initial setting data.)

CAUTION

To load the setting data in a mode different from the mode in use, the mode is switched. Note that you cannot load the setting data in an unauthorized operation mode.

■ Sending the setting data by e-mail

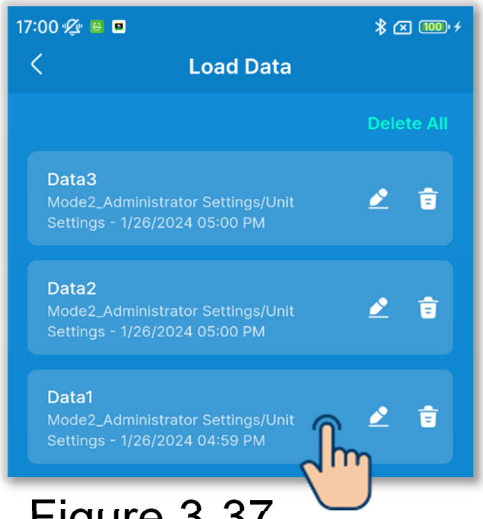


Figure 3-37

①On the "Load Data" screen, touch the setting data you want to send by e-mail.

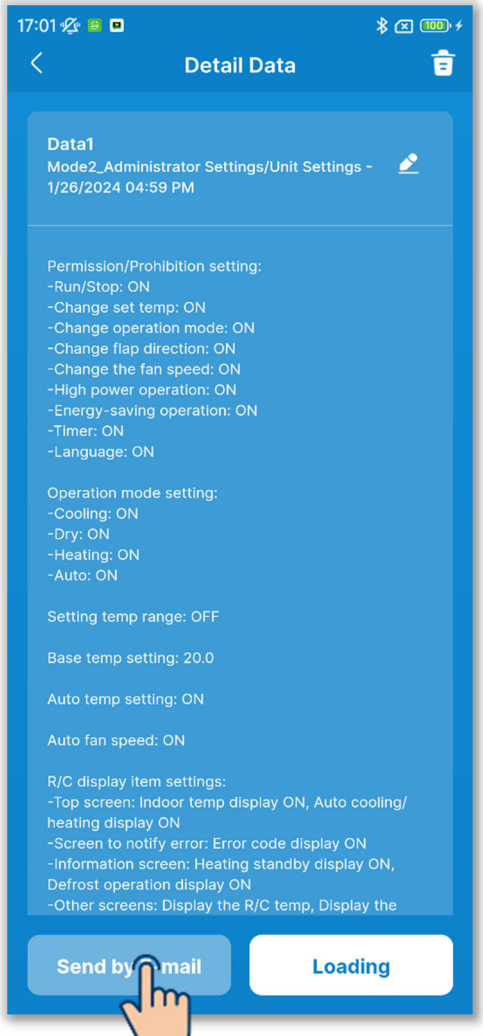


Figure 3-38

②The details of the selected setting data are displayed. To send the data by e-mail, touch the "Send by E-mail" button.

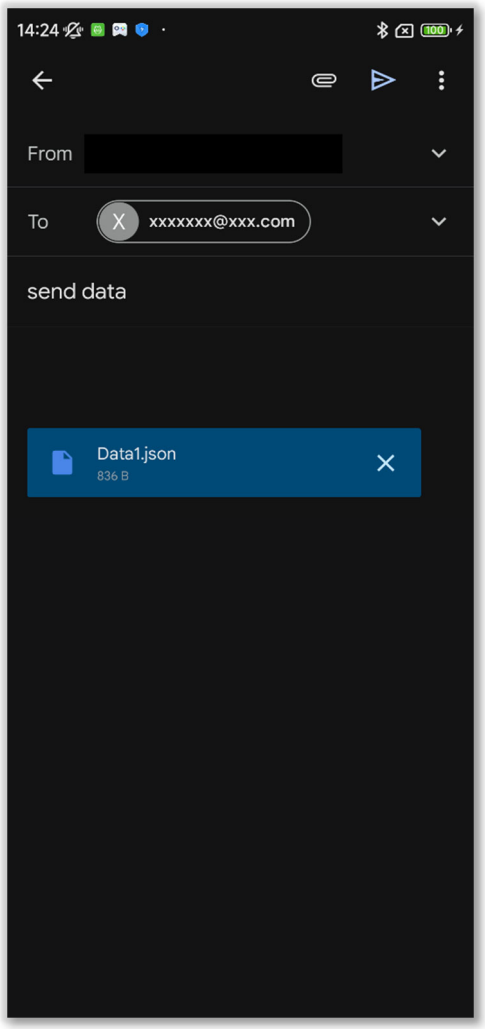


Figure 3-39

③The e-mail application starts, and the selected setting data is attached in the Json file format.

If you have set an e-mail address in Account Settings (→Section 2.3.3), the set e-mail address is entered in the To field.

■ Importing files from your smartphone

Load the setting data downloaded to your smartphone in advance to the application.

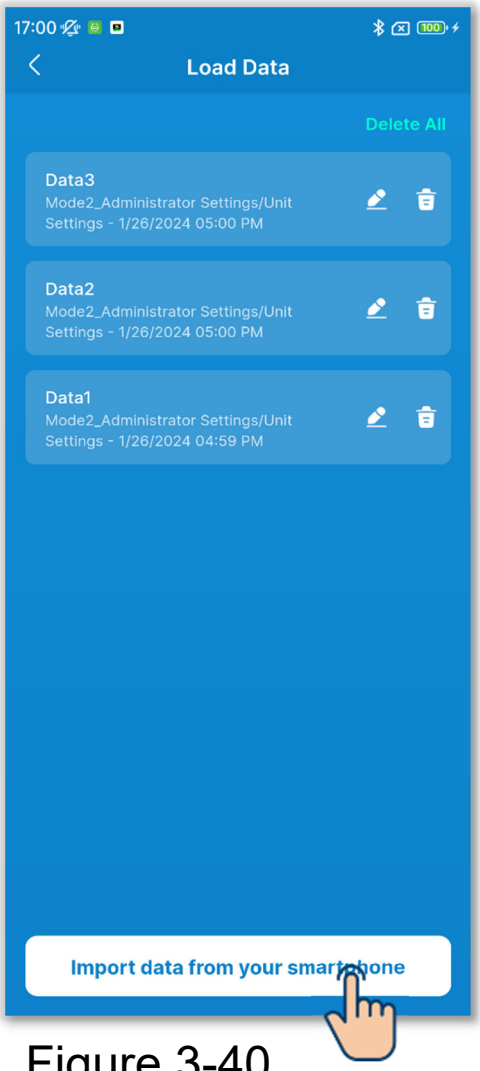


Figure 3-40

①On the "Load Data" screen, touch the "Import data from your smartphone" button.

CAUTION

If the number of saved setting data files exceeds the limit to the number of files (10) that can be saved in the application, you cannot import files from your smartphone.

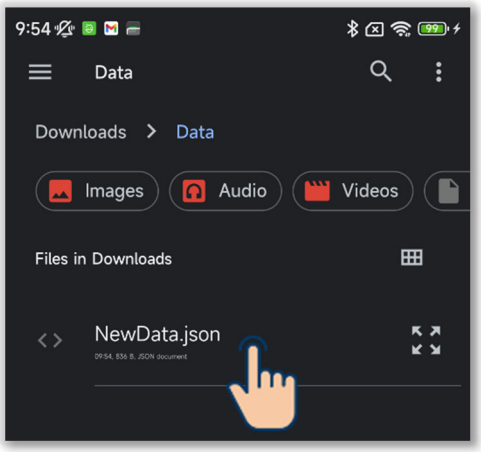


Figure 3-41

② Touch the file you want to import.

CAUTION

You can import only files in the Json format.

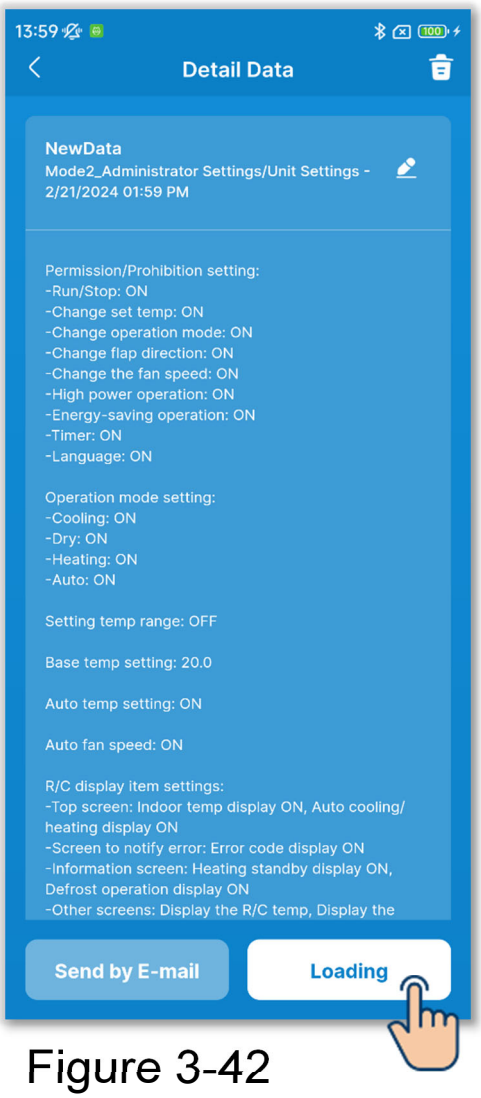


Figure 3-42

③ The details of the selected file are displayed. To load the data, touch the "Loading" button.

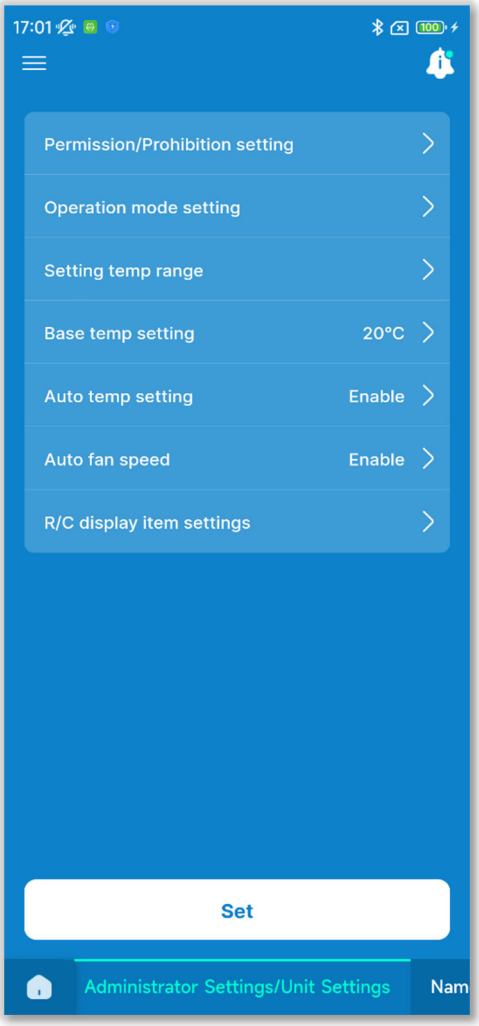


Figure 3-43

④The setting data is loaded to the application screen. (The figure on the left shows the results of loading the initial setting data.)

CAUTION

To load the setting data in a mode different from the mode in use, the mode is switched. Note that you cannot load the setting data in an unauthorized operation mode.

■ Deleting the setting data

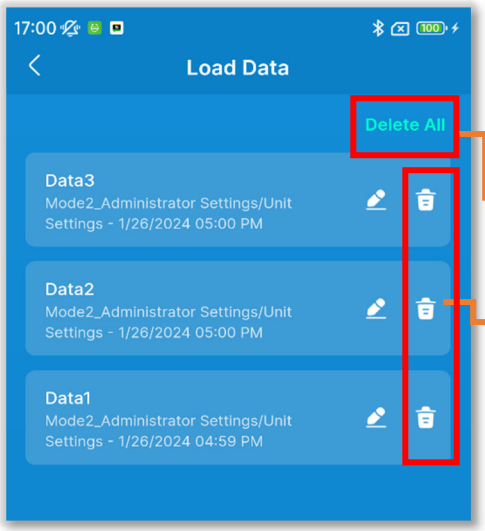
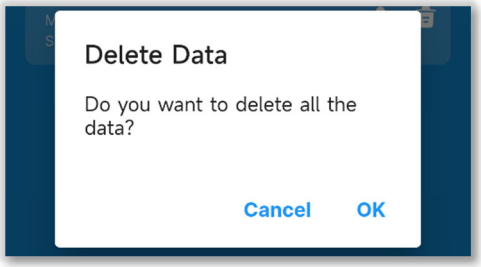


Figure 3-44

①Touch the "Delete All" button or the delete icon.

- Delete All: Delete all setting data.
- Delete icon: Delete the selected data individually.

A confirmation popup appears. Touch [OK].



■ Changing the setting data file name

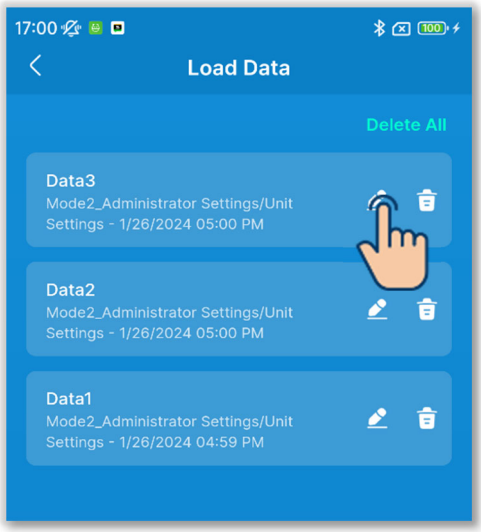


Figure 3-45

①Touch the button for the file you want to rename.

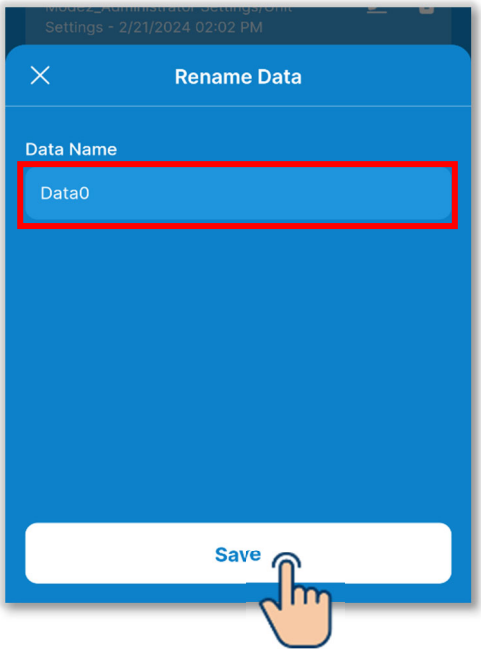


Figure 3-46

②Enter the file name and touch the "Save" button.

3.1.6. Saving data

Save the information displayed on the application screen as setting data.

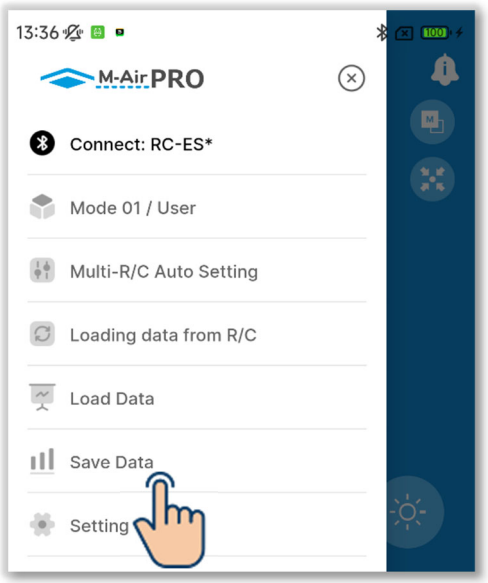


Figure 3-47

①Open the menu screen and touch "Save Data."

CAUTION

You cannot save data on the following screens.

Operation, Useful functions, Operation data for your reference (mode 1), Test run, Operation data, and Maintenance Information display (mode 3)

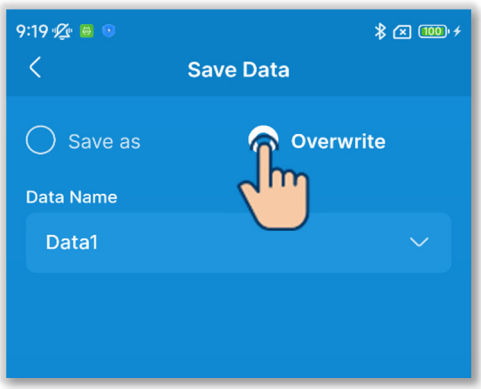


Figure 3-48

②Select the save method.

- To save as a new file, touch "Save as" and enter the file name.
- To overwrite, touch "Overwrite" and select the file.

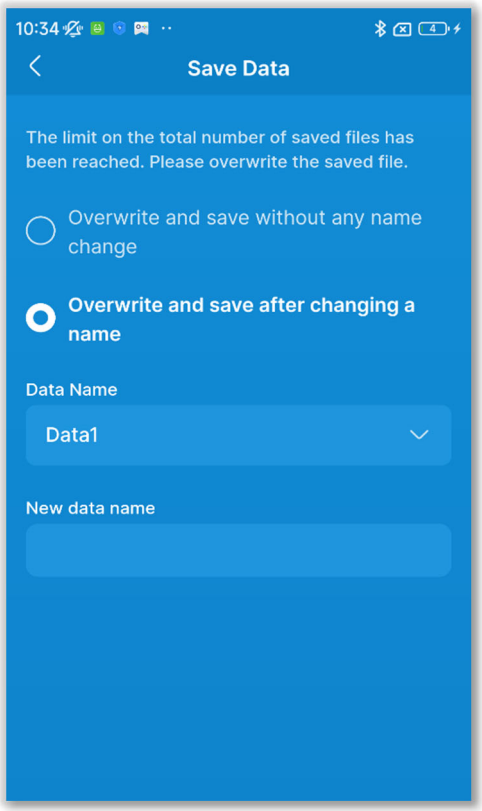


Figure 3-49

CAUTION

You can save up to 10 files.
If you have already saved 10 files, you cannot select "Save as."

Select "Overwrite and save without any name change" or "Overwrite and save after changing a name," and select the file to overwrite.

If you have selected "Overwrite and save after changing a name," enter a new data name.

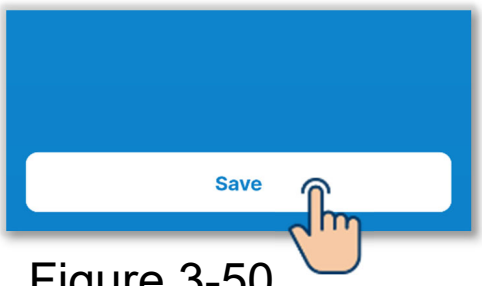


Figure 3-50

③Touch the "Save" button.

A confirmation popup appears. Touch [OK].

3.1.7. Setting

Open the menu screen and touch "Setting" to open the "Setting" screen.

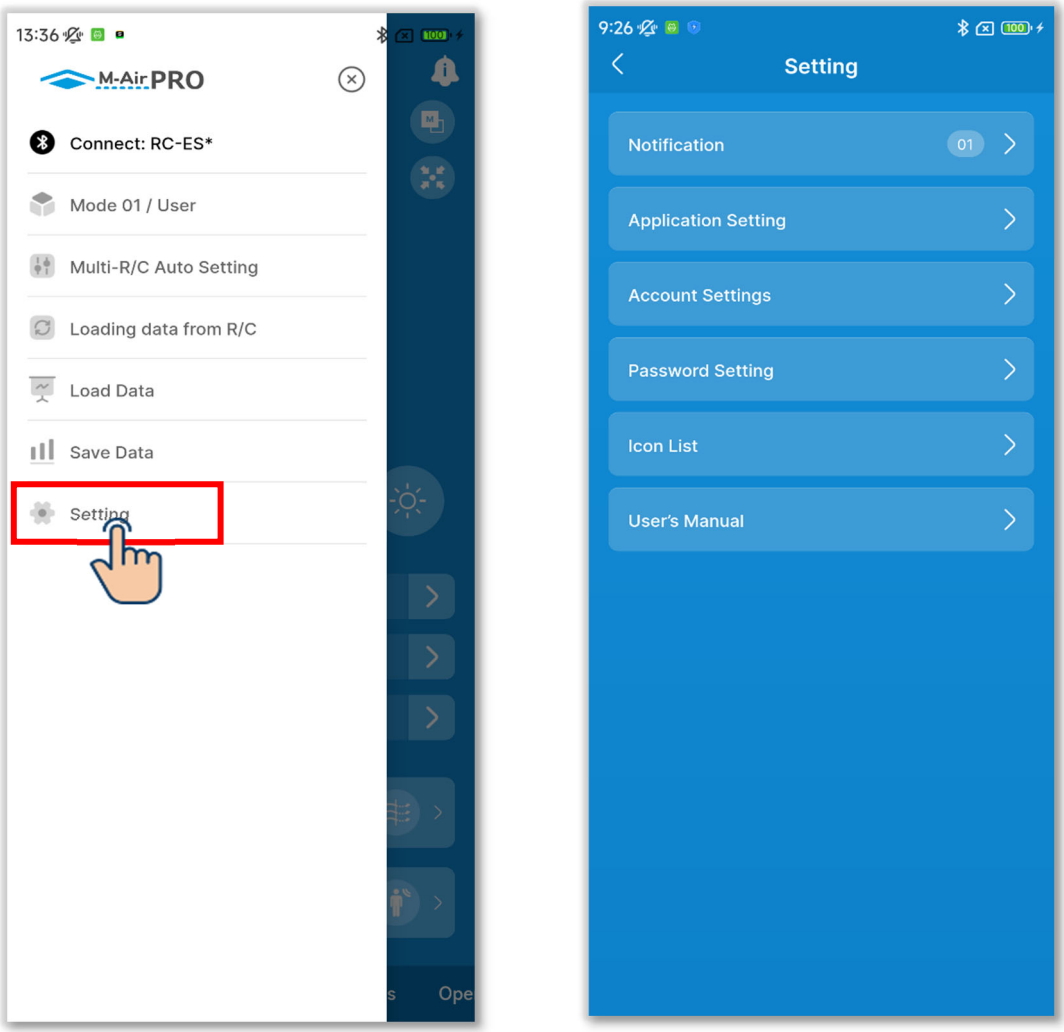


Figure 3-51

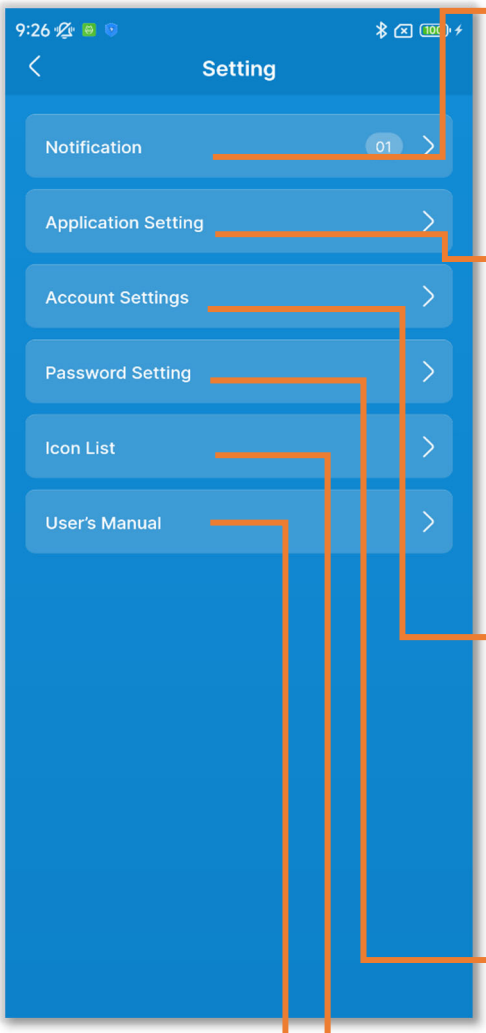


Figure 3-52

Notification:
Check the Application notification. (→Section 3.1.7.1)

Application Setting:
Check/change the application version, language, license agreement, and date and time display setting. (→Section 3.1.7.2)

Account Settings:
Check/change the account name, e-mail address, and account type. (→Section 3.1.7.3)

Password Setting:
Change/reset the password. (→Section 3.1.7.4)

Icon List:
Check the description of icons displayed on the R/C screen and in the application. (→Section 3.1.7.5)

User's Manual:
Access the web download page for the user's manuals for the R/Cs and the user's manual for the application. (→Section 3.1.7.6)

3.1.7.1. Application notification

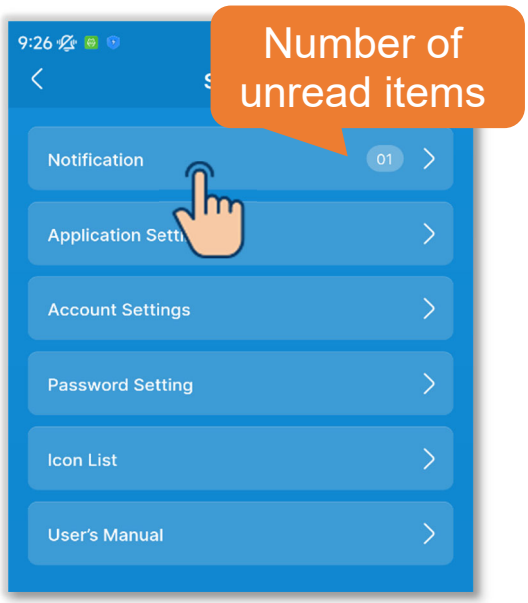


Figure 3-53

①Touch "Notification."

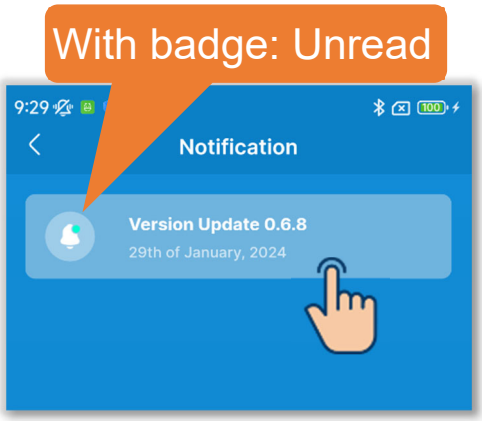


Figure 3-54

②Touch the notification you want to check.

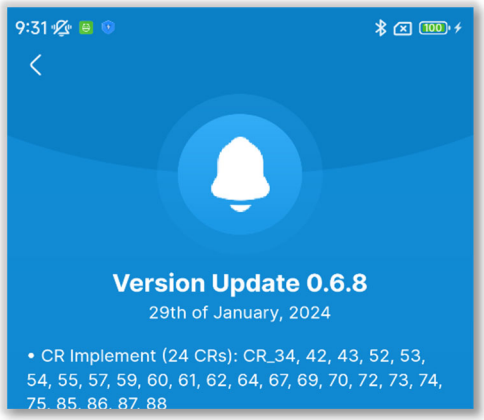


Figure 3-55

③The "Notification Detail" screen appears.

3.1.7.2. Application setting

Figure 3-56

①Touch "Application Setting" on the "Setting" screen.

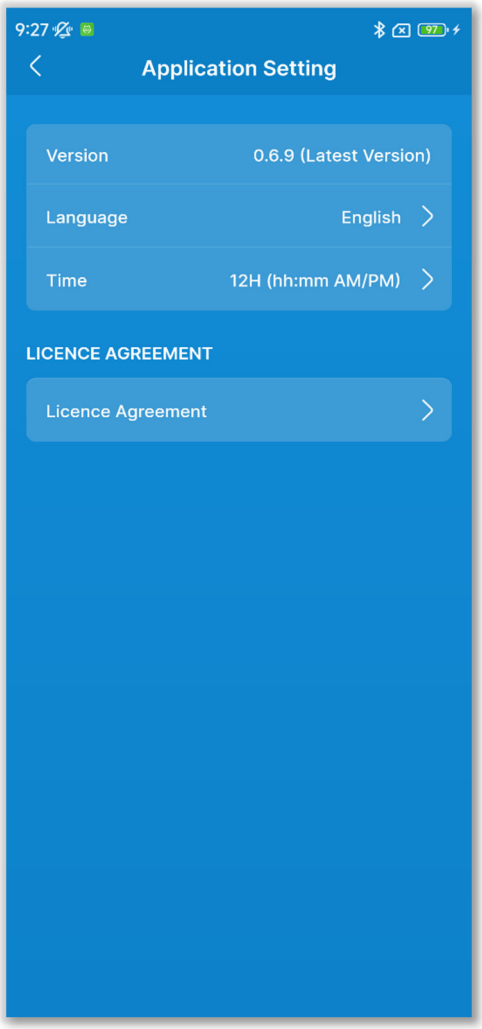


Figure 3-57

②The "Application Setting" screen appears.

■ Displaying the application version

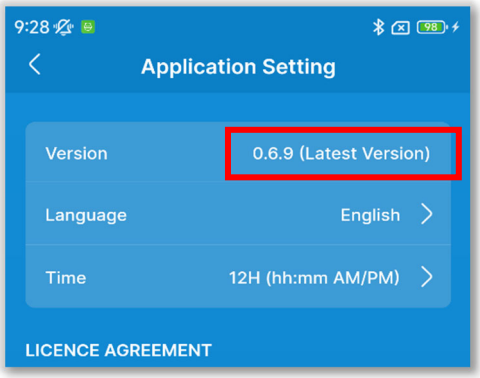


Figure 3-58

①If you are using the latest application version, "Latest Version" is displayed.

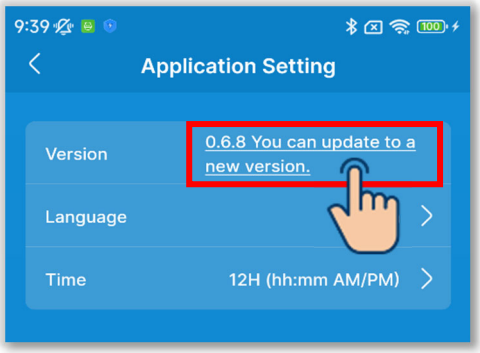


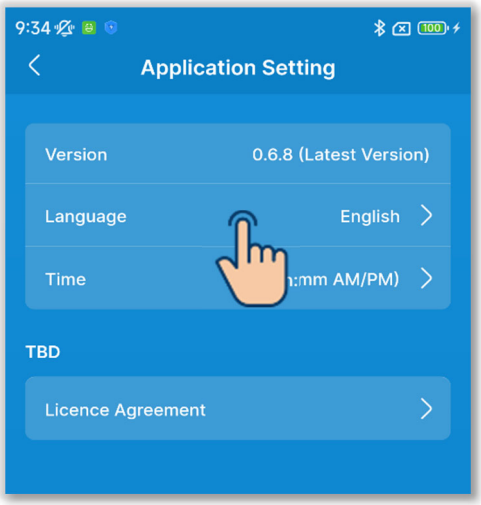
Figure 3-59

②If you are not using the latest application version, "You can update to a new version." is displayed. Touch it to start the store application for the smartphone (Google Play or Apple Store), then update the application to the latest version.

CAUTION

Depending on the update content of the application, you may be prompted to update the version at startup. In that case, update the version following the on-screen instructions of the application.

■ Selecting the application language



①Touch "Language."

Figure 3-60

②Touch the language you want to use.

Figure 3-61

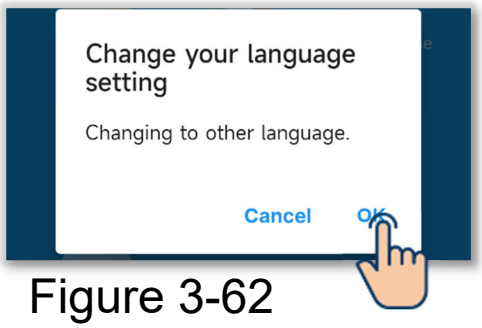


Figure 3-62

③Touch the "OK" button.

■ Setting the application time display format

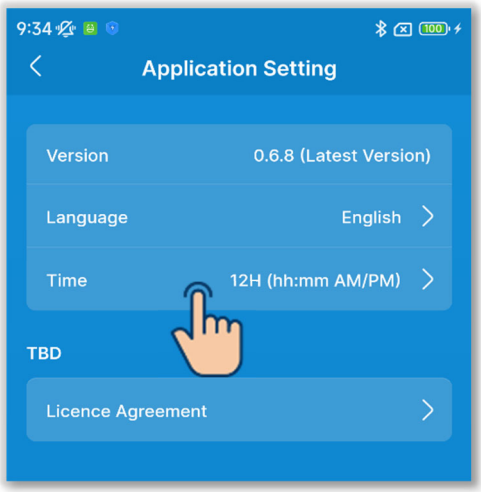


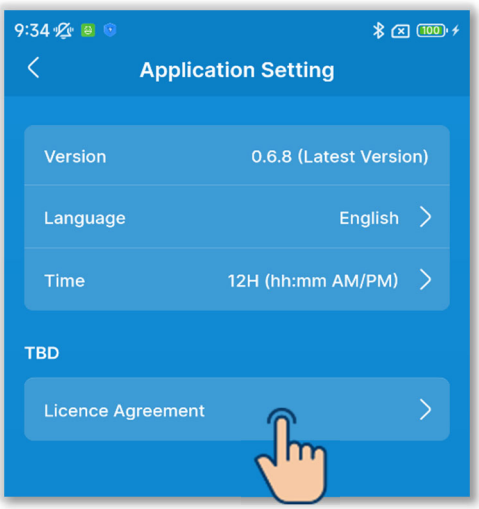
Figure 3-63

①Touch "Time."

Figure 3-64

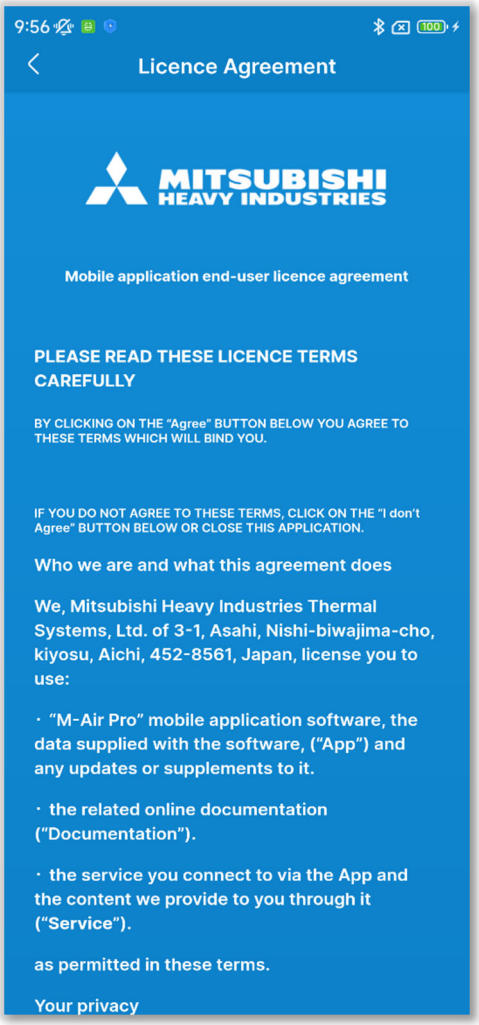
②Touch the time display format you want to use.

■ Checking the license agreement



①Touch "License Agreement."

Figure 3-65



②The "License Agreement" screen appears.

Figure 3-66

3.1.7.3. Account settings

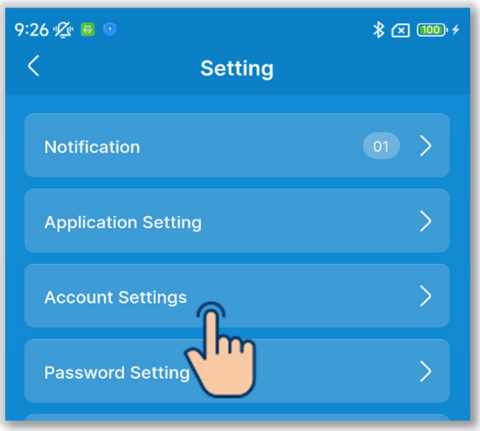


Figure 3-67

①Touch "Account Settings" on the "Setting" screen.

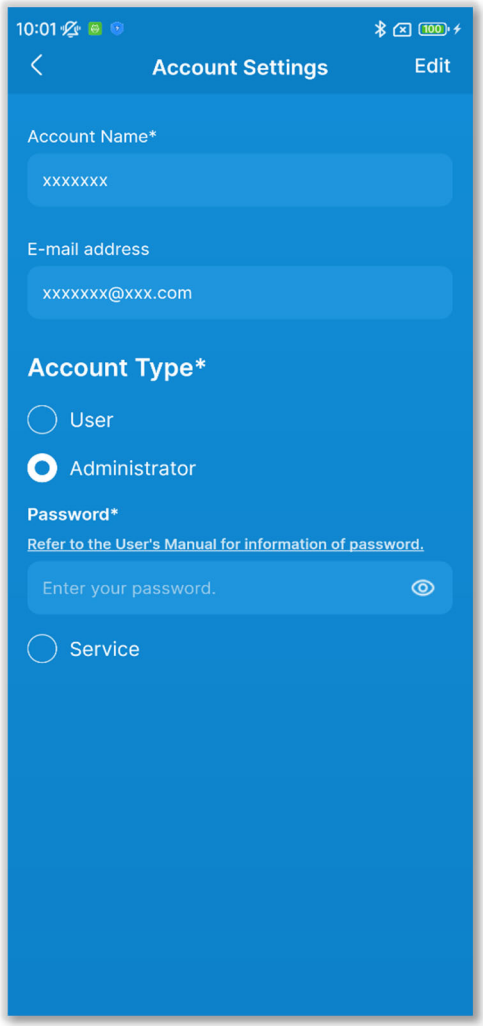


Figure 3-68

②The "Account Settings" screen appears.

You can check/change the account settings.

■ Changing the account information

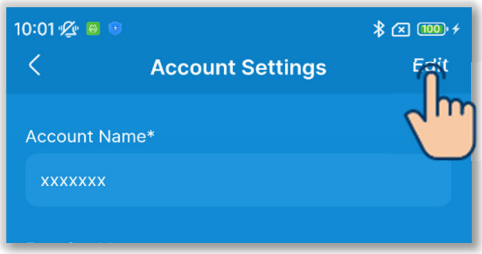


Figure 3-69

①Touch the "Edit" button.

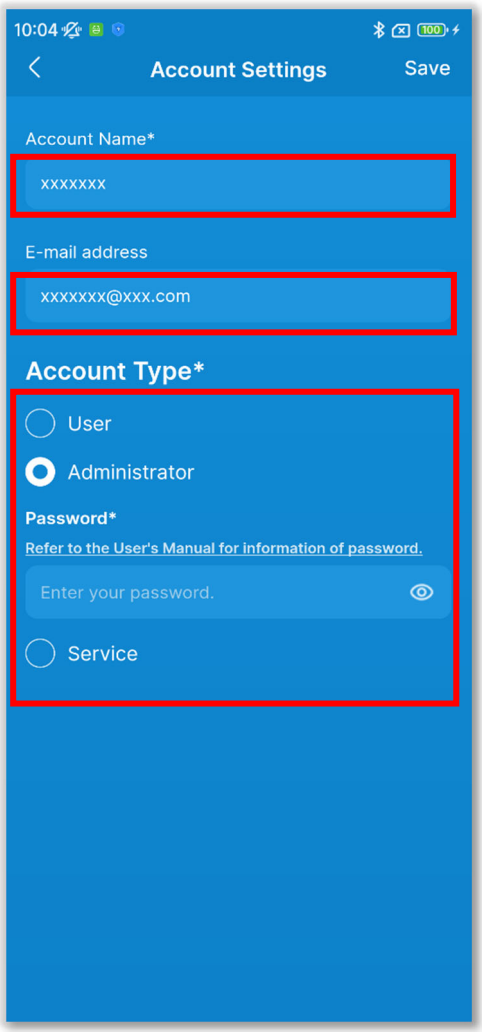


Figure 3-70

②Enter a new account name and e-mail address.

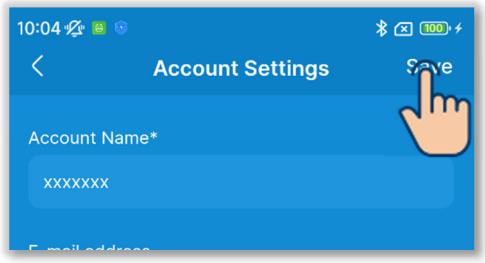
③Select the account type.

The modes you can use are determined by the account type you selected. (→Section 1)

To select "Administrator" or "Service," you need to enter a password. (→Section 2.3.3)

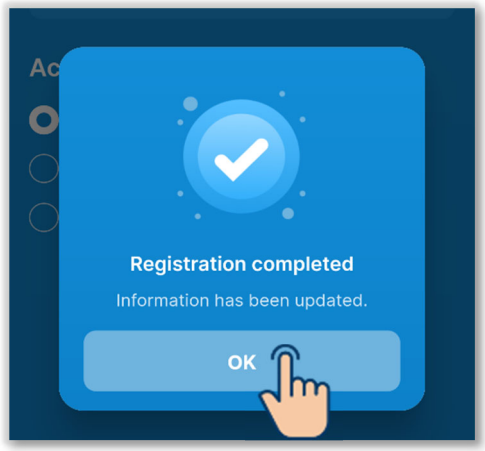
CAUTION

- Items marked with an asterisk (*) are required items. Be sure to enter the information or select an option.



④Touch the "Save" button.

Figure 3-71



⑤Touch the "OK" button.

Figure 3-72

3.1.7.4. Password setting

If the account type you have set in Account Settings (→Section 2.3.3 and Section 3.1.7.3) is "Administrator" or "Service," you can set the password to switch to the account type you are using again.

For example, if you change the password while using "Administrator," you must enter the new password next time you switch the account type to "Administrator."

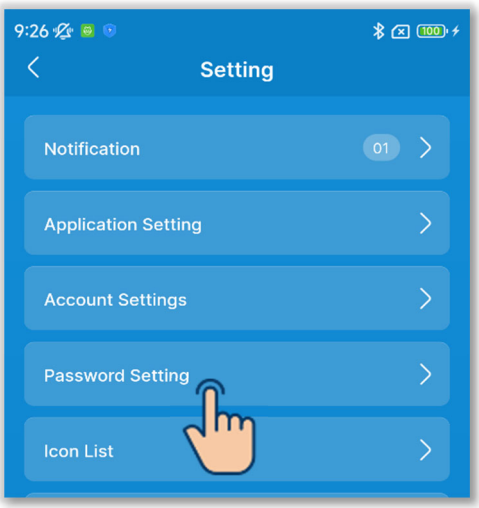


Figure 3-73

①Touch "Password Setting" on the "Setting" screen.

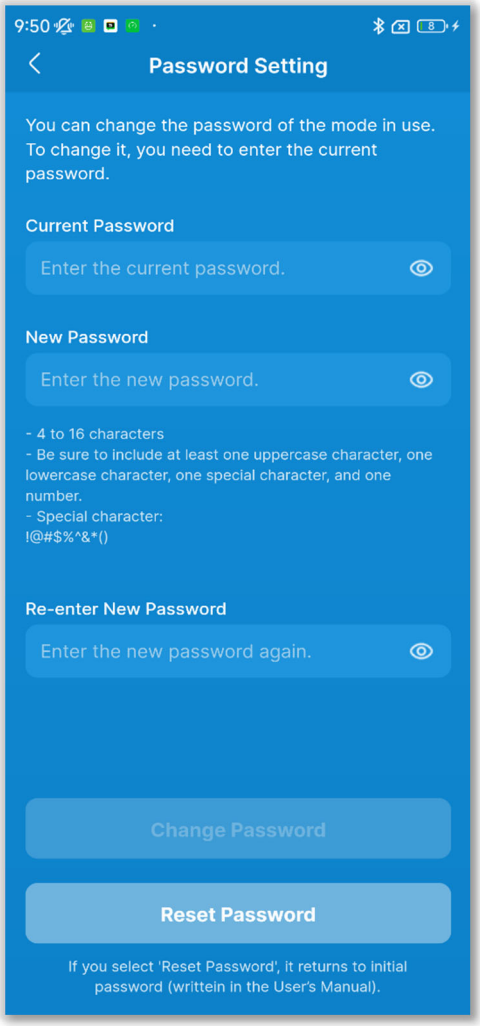


Figure 3-74

②The "Password Setting" screen appears.

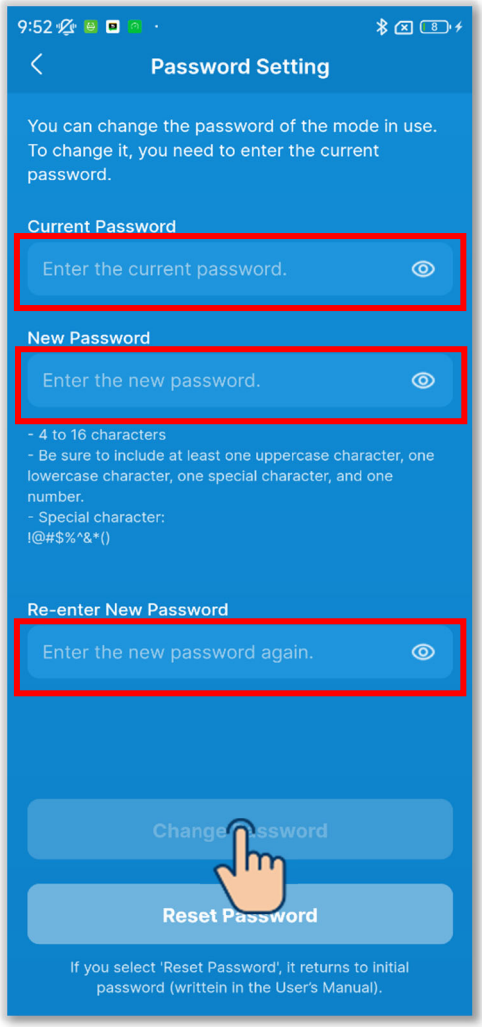


Figure 3-75

③Enter your current password, new password, and new password for verification, and touch the "Change Password" button.

CAUTION

The password setting policy is as follows.

- Within 4 to 16 characters
- Combination of single-byte uppercase alphabet letters, single-byte lowercase alphabet letters, numbers, and symbols
- You can use the following symbols.
  !@#$%^&*()

■ Resetting the password

If you have forgotten your password, you can reset it to the initial password(→Section 2.3.3).

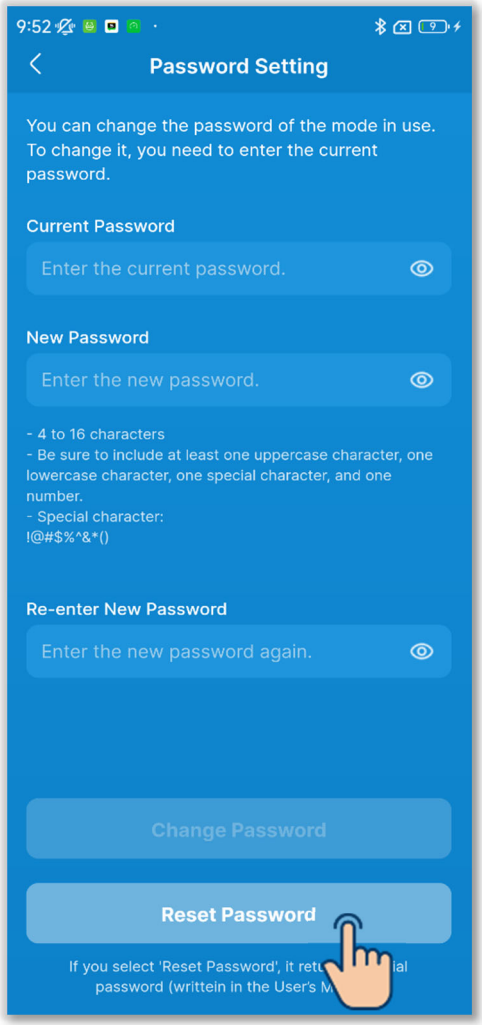


Figure 3-76

①Touch the "Reset Password" button.

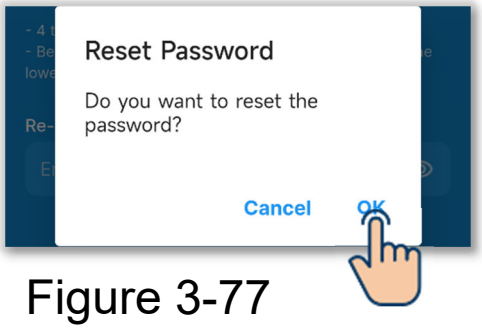


Figure 3-77

②Touch the "OK" button.

3.1.7.5. Icon list

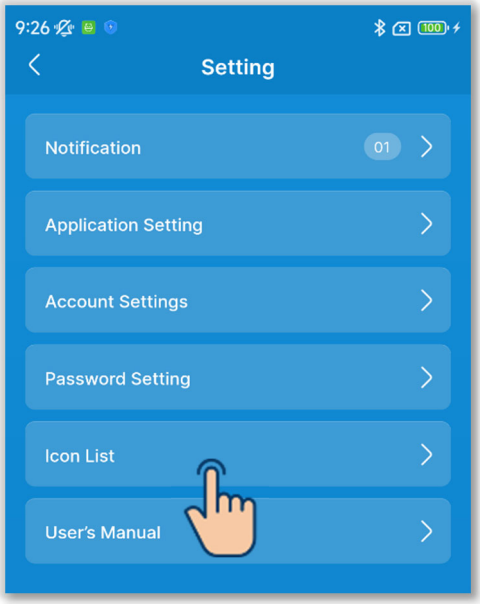


Figure 3-78

①Touch "Icon List" on the "Setting" screen.

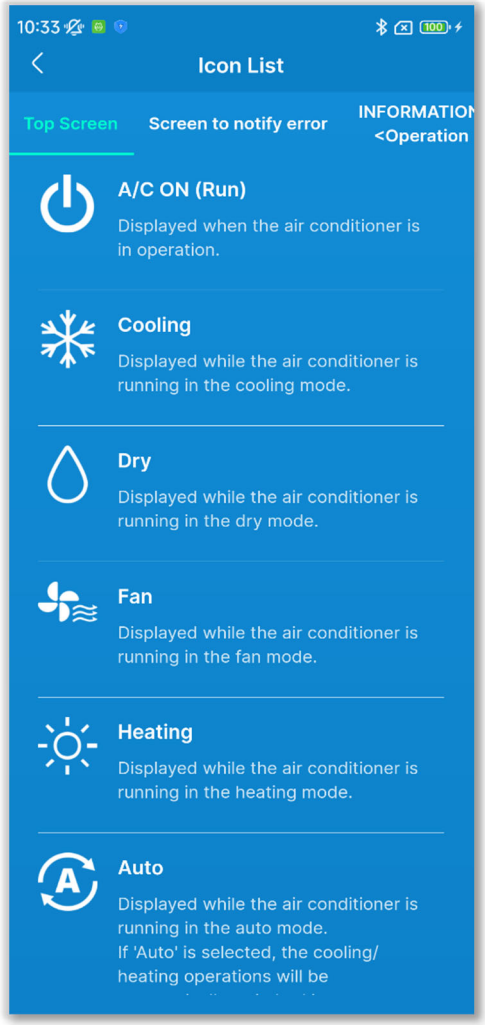


Figure 3-79

②You can check the icons on each display screen of the R/C and the application.

Screen name:

- R/C Top Screen/Operation Screen (→Section 6.1.1)
- Error Notification Screen (→Section 4)
- Information Screen
  <Operation status> (→Section 5)
  <Setting status> (→Section 5)

3.1.7.6. User’s manual

You can view the application operation manual (this manual) and R/C user’s manual/installation manual.

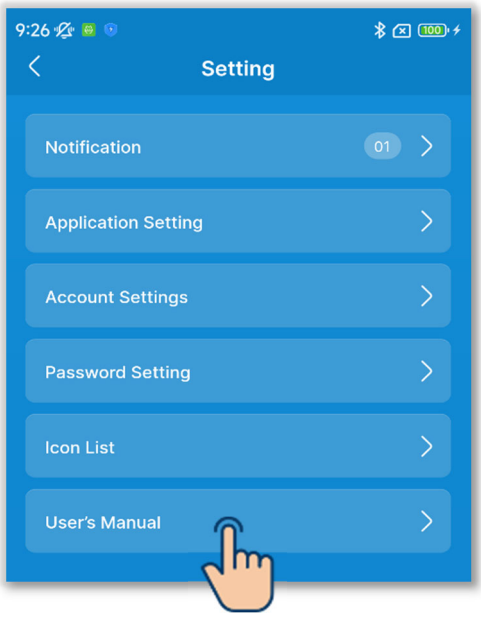


Figure 3-80

① Touch "User’s Manual" on the "Setting" screen.

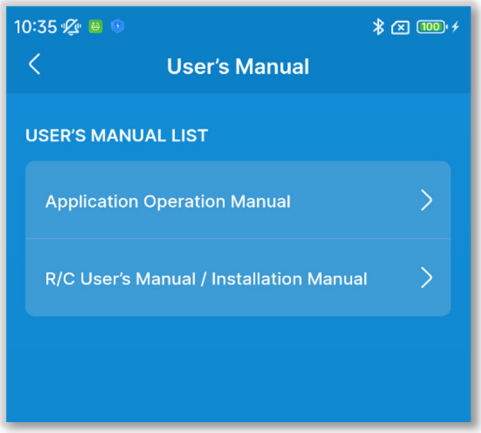


Figure 3-81

② Touch the user’s manual you want to check.

The browser starts and displays the page for the user’s manuals.

4. Screen to notify error

If an error occurs in your R/C or IU/OU that are connected to your R/C, the button on the operation screen lights up red and the button appears on the screen.

Perform the following operation, and then stop operation and contact the contact point (→Section 4.2) or your dealer.

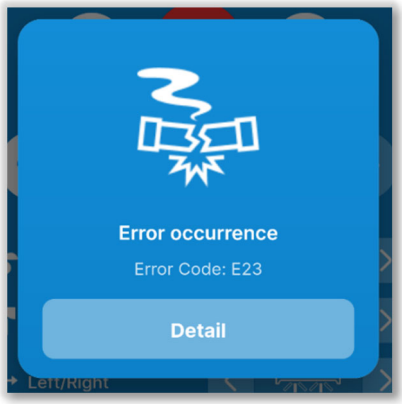
①Touch the button, and then touch the "Detail" button in the dialog box.

Figure 4-1

CAUTION

If an error code or maintenance code related to the refrigerant sensor is lit, the information is notified to you with a corresponding icon.

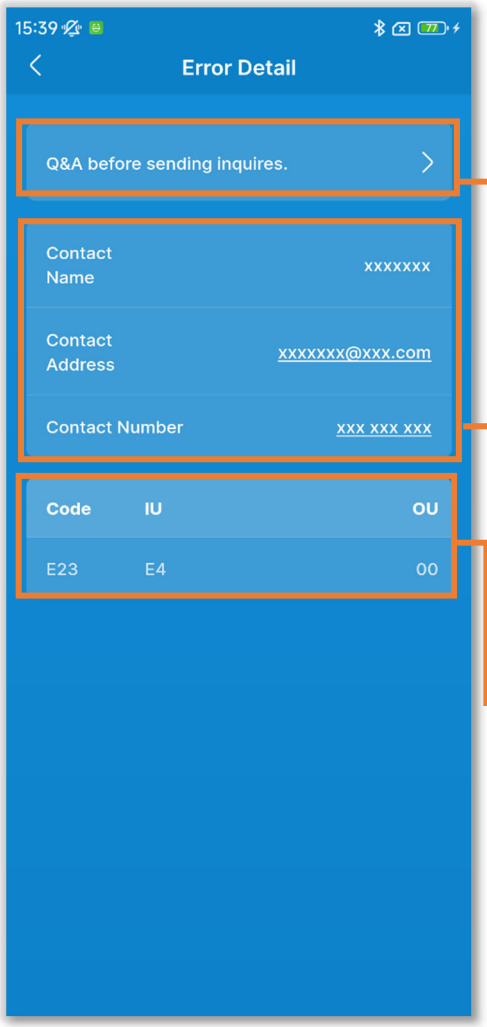
If a refrigerant leakage detection is notified to you, turn off appliances using fire including combustion appliances and ventilate the room.



Example: Dialog when a refrigerant leakage is detected

Error code or maintenance code related to the refrigerant sensor

Code	Icon in the dialog	Contents
E23		Refrigerant leakage detected
M11		Refrigerant sensor failure
M12		Refrigerant sensor disconnected
M51		Time to replace refrigerant sensor
M52		Reminder: replace refrigerant sensor



②The "Error Detail" screen appears.

Q&A before sending inquires:
Describes what to check before sending inquiries for service.
(→Section 4.3)

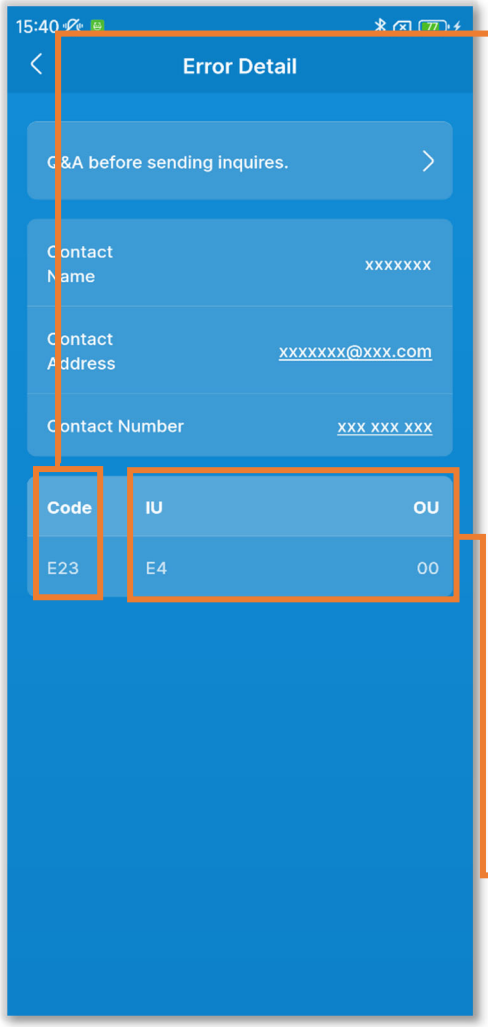
Contact information (→Section 4.2)

Error detail (→Section 4.1)

Figure 4-2

4.1. Error detail

Display a list of error information. You can check the following information.



Code:

Displays the active error code (E○○) or maintenance code (M○○).

CAUTION

A maintenance code does not indicate an error, but is displayed to notify of A/C maintenance information. If a maintenance code appears, contact the contact point (→Section 4.2) and convey the notification information in the same manner as if an error code has appeared.

IU/OU:

Displays information on IU/OU where an error is occurring.

Figure 4-3

The maintenance code display can be erased from the R/C by operating the toggle to OFF.

4.2. Contact information

Display the contact information for customers to request service. The information displayed is the information registered in advance to the R/C in the installation settings (→Section 6.3.1). You can also send an e-mail or make a call to the registered contact point from your smartphone.

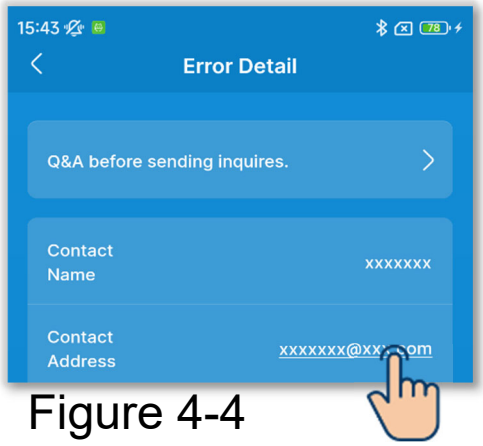


Figure 4-4

■ **When sending an e-mail**

①Touch the e-mail address.

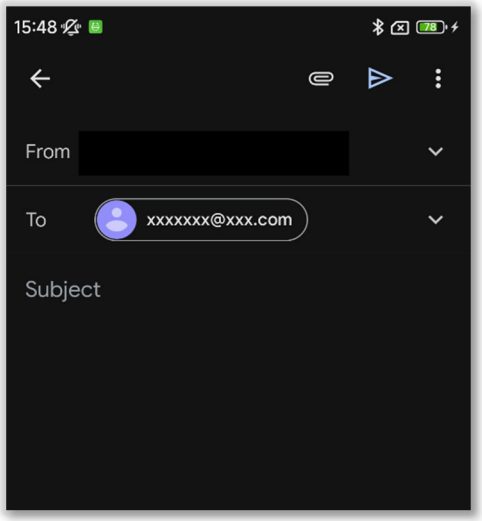


Figure 4-5

②The e-mail application starts and the contact e-mail address is entered in the To field.

■ When making a call to the contact point

Figure 4-6

①Touch the contact phone number.

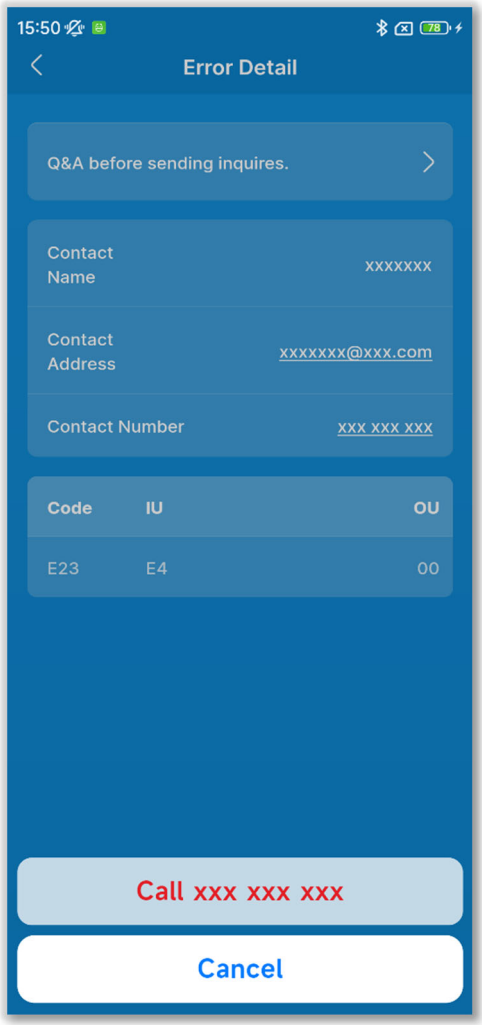


Figure 4-7

②The phone application appears.

4.3. Checking Q&A before sending inquiries

You can view Q&A (typical troubleshooting).

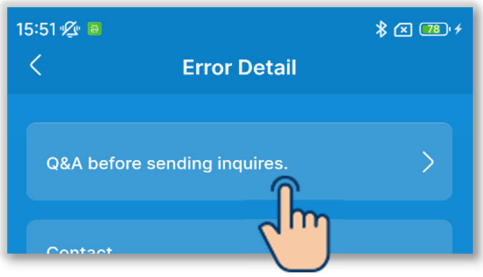


Figure 4-8

①Touch "Q&A before sending inquiries."

②The "Q&A before sending inquiries" screen appears.

Symptoms appear. Touch your current situation.

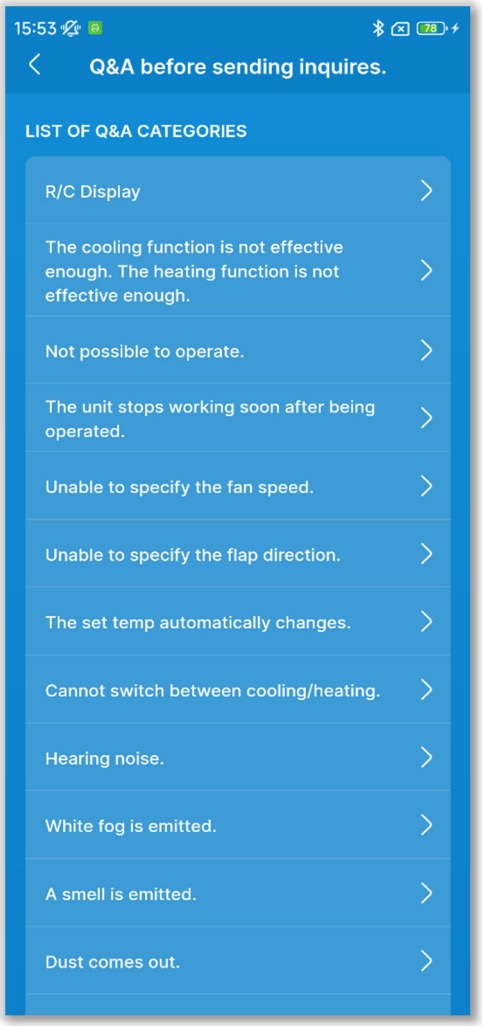
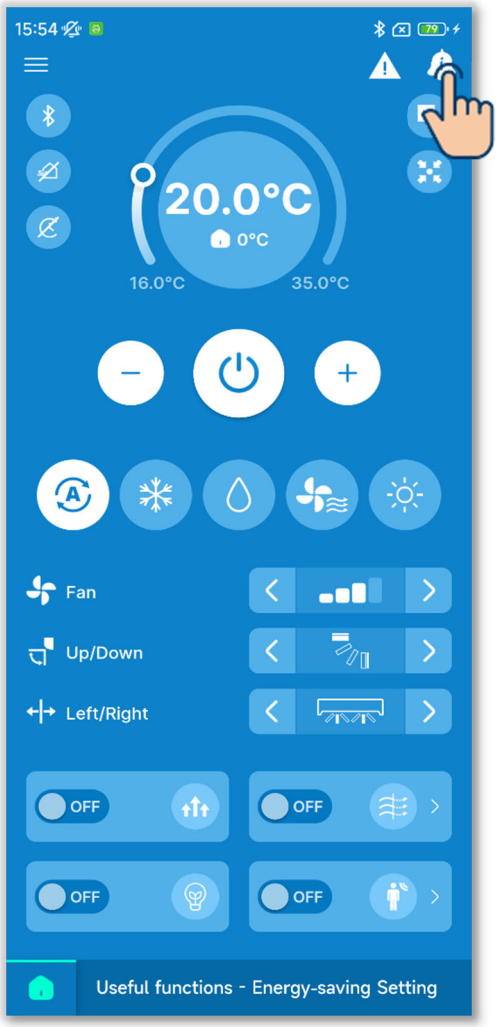


Figure 4-9

5. Information Screen

If there is a notification from the R/C, the button appears on the screen. Touch the button to display the Information screen and check the operation status and settings of the R/C and the connected A/C.



①Touch the button.

Figure 5-1

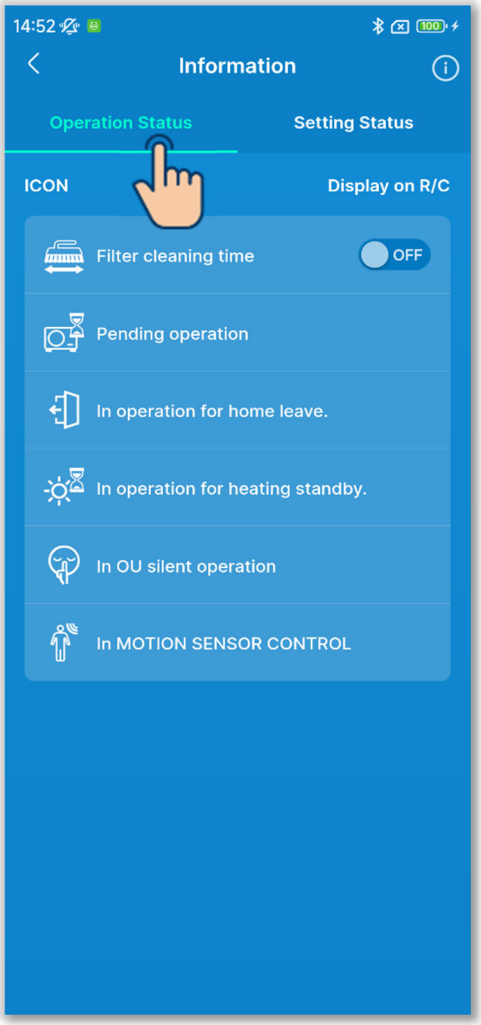


Figure 5-2

②Touch "Operation Status" to check the operation status of the R/C and A/C.

Only icons indicating the current operation status of the R/C and A/C are displayed.

③If the filter cleaning time icon is lit, you can turn off the icon on the R/C by switching the toggle from ON to OFF. After filter cleaning, turn off the icon.

CAUTION

- Once switched OFF, you cannot switch the toggle to ON again.
- If the designated date arrives and the icon lights up, the date designation expires at the same time as when the icon lights up. After turning off the icon, designate the date again based on the filter sign setting (→Section 6.2.2).

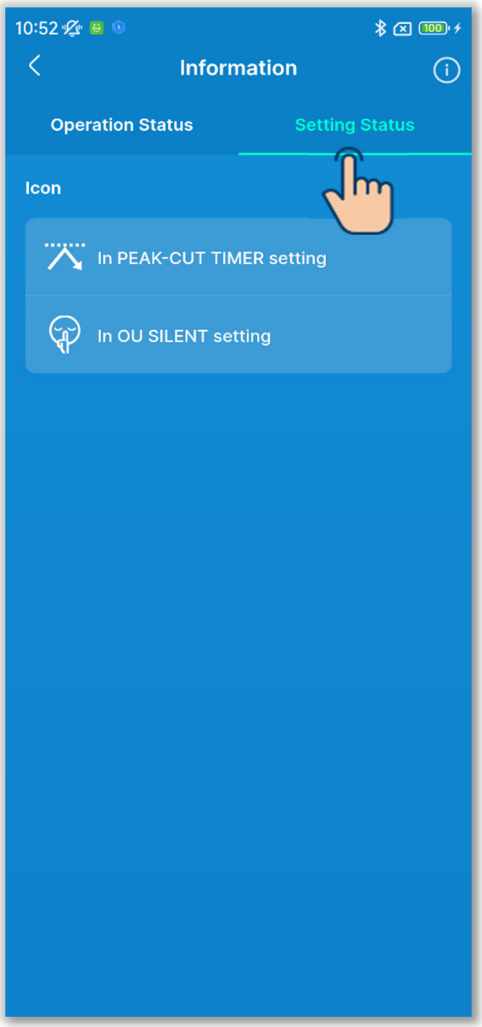


Figure 5-3

③Touch "Setting Status" to check the setting status of the R/C and the connected A/C.

Only icons indicating the current setting status of the R/C and A/C are displayed.

■ Checking the usage status

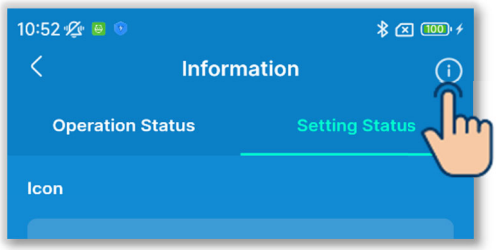


Figure 5-4

①Touch .

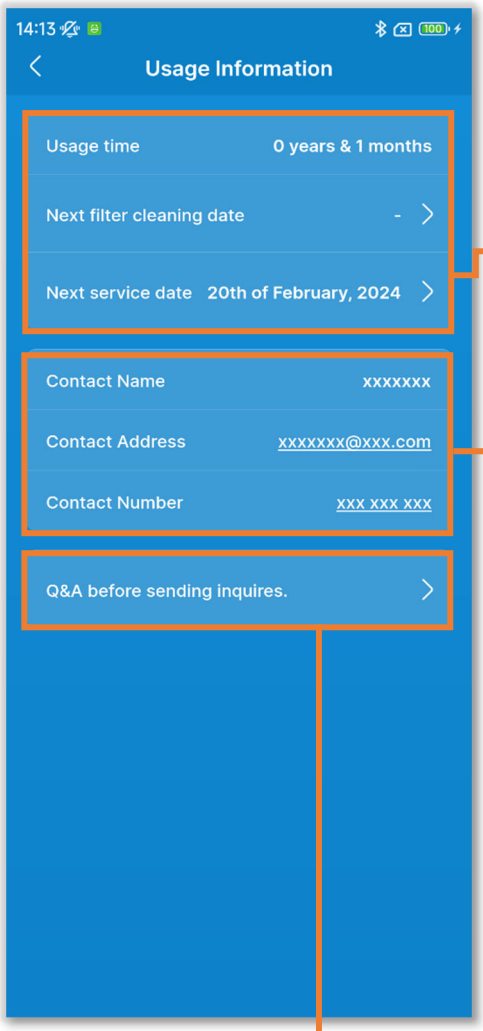


Figure 5-5

②The "Usage Information" screen appears.

Displays information on the usage of the A/C.

- "Usage time"
- "Next filter cleaning date":
  Displayed when the next filter cleaning date is designated.
  Touch it to change the setting.
  (→Section 6.2.2)
- "Next service date":
  Touch this to set the next service date.
  CAUTION
  When the next service date arrives, contact the contact point (→Section 4.2) or your dealer.

You can check the contact information (→Section 4.2).

You can view Q&A before sending inquiries (→Section 4.3)

6. Operation Screens

6.1. Mode 1

6.1.1. Operation

You can perform basic operations such as switching A/C between run and stop.

* Only on the tab, you can perform operations without switching to mode 1 even while you are using mode 2/mode 3.

Touch the button.

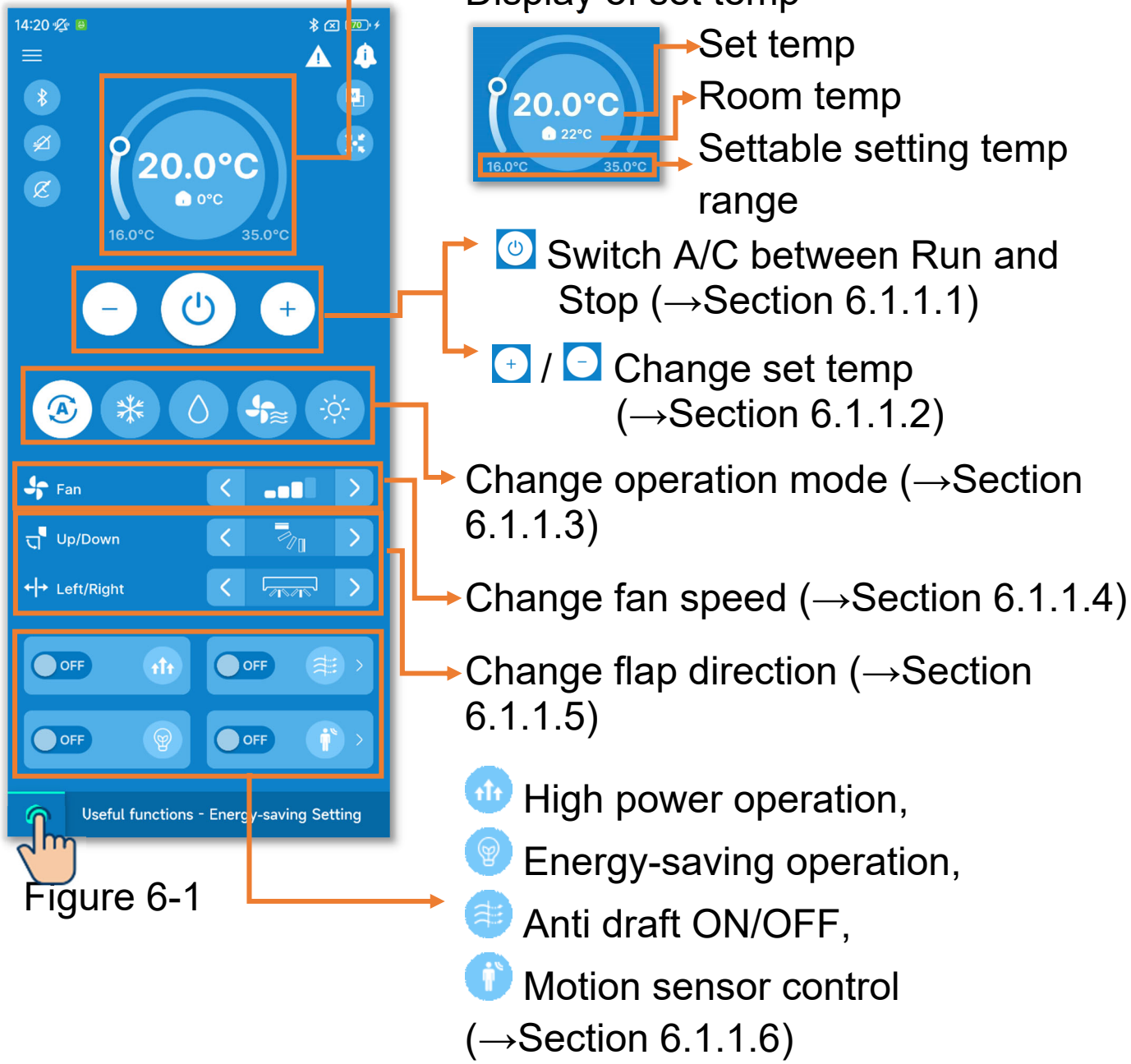


Figure 6-1

Figure 6-2

An error occurrence icon (→Section 4)

Information icon (→Section 5)

In Main R/C setting/ In Sub R/C setting:
Displays the main/sub setting status of the R/C.

In Central Control:
Displayed when IUs are controlled by central control equipment.

Pairing:
Touch this to display the Pairing screen. (→Section 3.1.1)

Ventilation ON:
Touch this to switch the ventilation unit ON/OFF. (Enabled when ventilation setting is set as independent. →Section 6.3.2)

In the timer setting:
Displayed if either the ON/OFF timer (including weekly timer) or sleep timer (→Section 6.2.1) is enabled. Touch the icon to check/change the timer setting. (→Section 6.1.1.7)

6.1.1.1. Switch A/C between Run and Stop

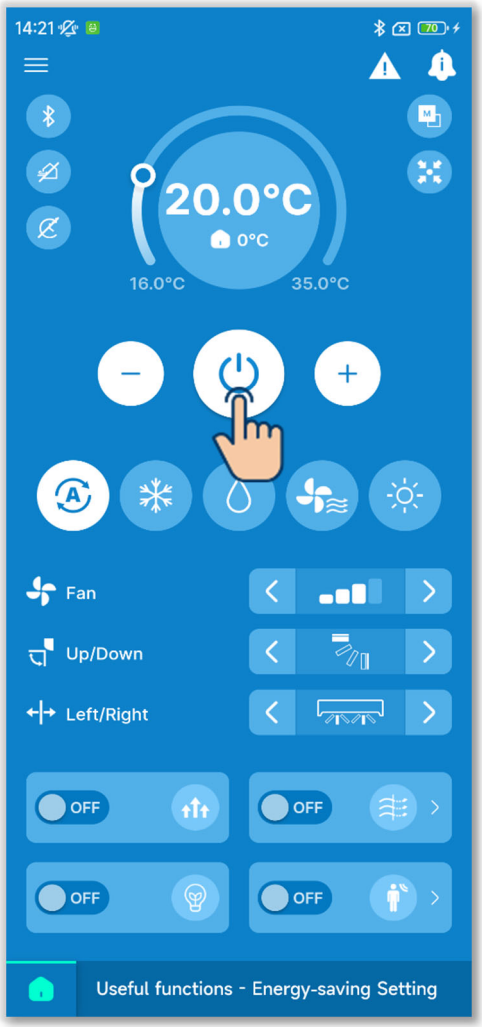


Figure 6-3

Touch the button.

CAUTION

- When the A/C is running, the button is lit green.
- If an error occurs, the button lights up red. (→Section 3.1.1)

* If the A/C is connected to multiple IUs, the button lights up red if an error occurs even in one IU.

6.1.1.2. Changing the set temp

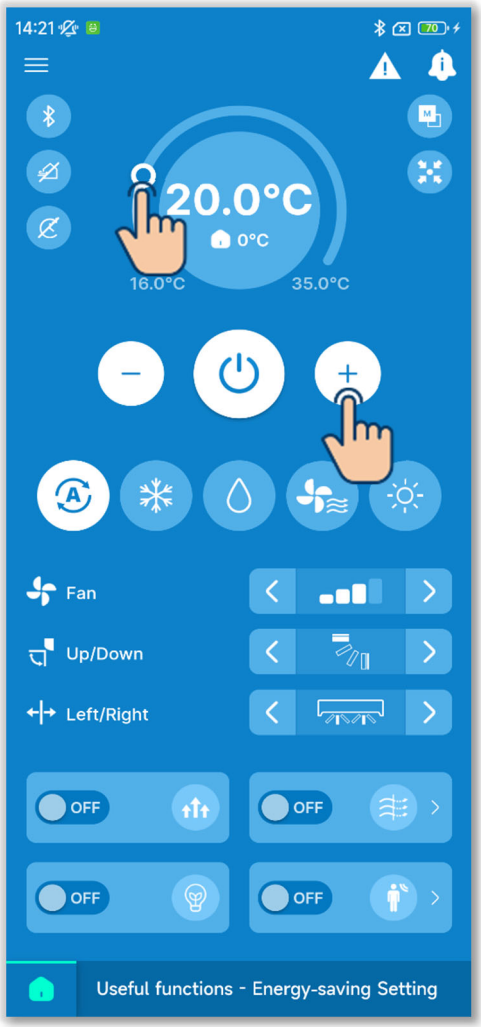


Figure 6-4

Touch the ⊕ / ⊖ buttons.

Or move ● of the temp range bar.

You can change the set temp within the temp range set by the setting of a setting temp range (→Section 6.2.3).

The setting temp range varies depending on the selected operation mode.

CAUTION

For other precautions for changing the set temp, refer to the user's manual for your R/C.

■ Set temp-related settings

If the account type you set in Account Settings (→Section 2.3.3 and Section 3.1.7.3) is "Administrator" or "Service," you can manipulate the following set temp-related settings.

Figure 6-5

①Touch the set temp display.

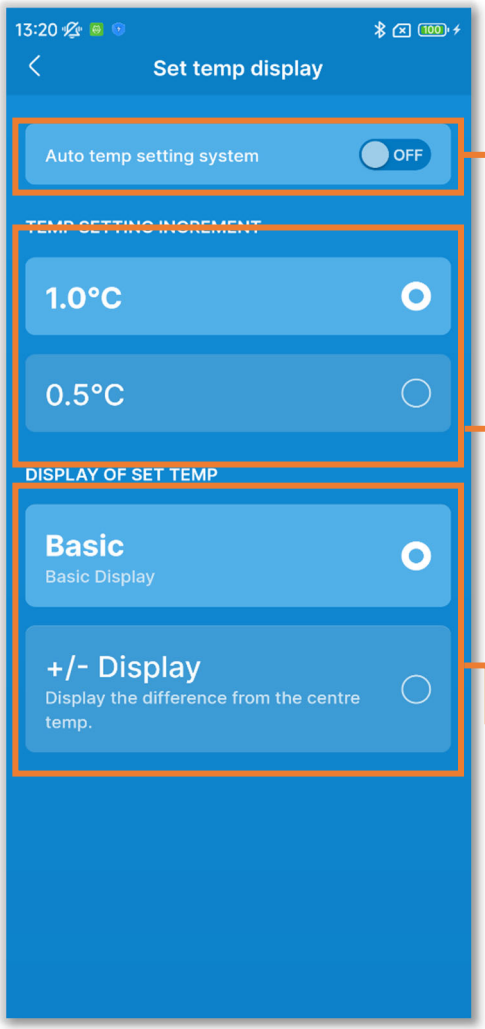


Figure 6-6

②The "Set temp display" screen appears.

Auto temp setting system:
Turn this on to automatically control the set temp.

Temp increment setting:
Set the temp setting increment to 0.5°C or 1°C.

Set temp display:
Change the set temp display on the tab.
Basic: Displays the set temp.
+/- Display: Displays the difference from the center temp.

Changing the set temp display in the application changes also the display on the R/C.

✓Auto temp setting system

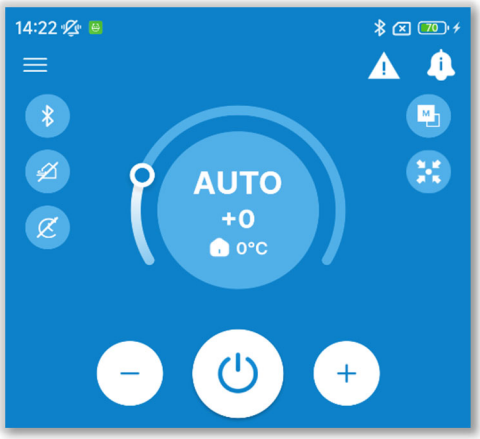


Figure 6-7

If you turn ON Auto temp setting system, "AUTO" is displayed in the display of set temp on the tab.

The setting can be adjusted higher or lower by increasing or decreasing the number “0” using the / buttons.

CAUTION

If you connect SC-SL2, SC-SL3, or SC-SL4, you cannot turn ON Auto temp setting system.

✓Set temp display

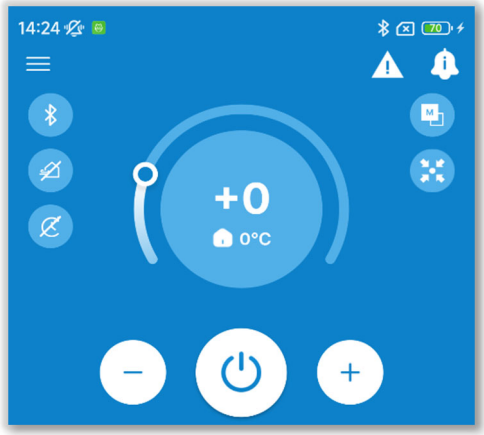


Figure 6-8

If you switch to +/- Display, the difference from the center temp is displayed in Set temp display. You can set the center temp in Administrator settings (→Section 6.2.3).

In +/- Display, the temp setting increment is 1°C.

6.1.1.3. Changing the operation mode

Touch the desired operation mode.

Figure 6-9

- Cooling
- Dry
- Fan
- Heating
- Auto

You can change the operation mode within the operation mode range you set in Operation mode setting (→Section 6.2.3).

CAUTION

For other precautions for changing the operation mode, refer to the user's manual for the R/C.

6.1.1.4. Changing the fan speed

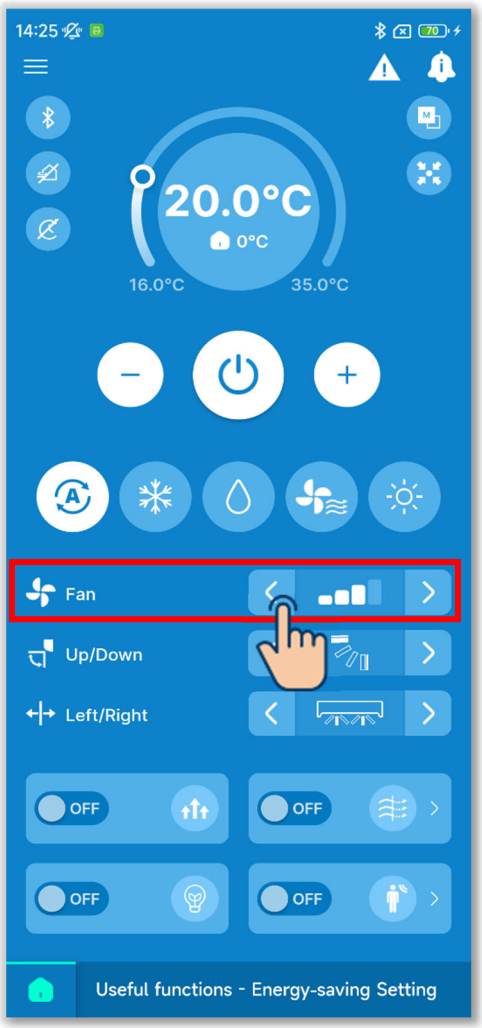


Figure 6-10

Touch the < / > buttons in the fan speed display to change to the desired fan speed.

CAUTION

For other precautions for changing the fan speed, refer to the user's manual for the R/C.

6.1.1.5. Changing the flap direction

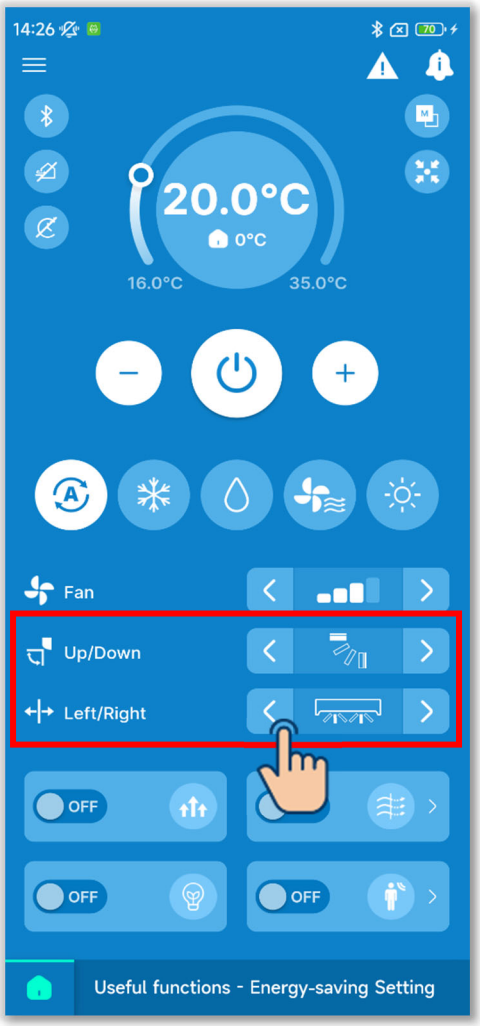


Figure 6-11

The change flap direction display is displayed according to the IU. Touch the ‹ / › buttons in the flap direction display to change to the desired flap direction.

To swing the flap, select "Auto swing."

①When even one FDK with a left/right flap is connected

You can select 3D AUTO. If you select 3D AUTO, the fan speed and flap direction are automatically controlled to air-condition the whole room efficiently.

If you select 3D AUTO in either the upper/lower or left/right flap direction, 3D AUTO is also selected in the other direction.

②In the case of all FDFs

③In the case of all duct units

In this case, you cannot change the flap direction.

④In the case of zone-compatible units

In this case, touch the toggle to switch each zone ON or OFF.

⑤In the case of other than ① to ④ above

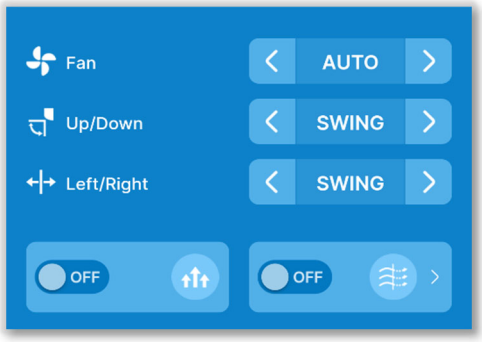


Figure 6-12

If you set the flap control to "Stop at any position" in the R/C function settings (→Section 6.3.2), touch the ‹ / › buttons to select Swing or Stop to change the flap direction.

In the case FDK with a left/right flap is connected, 3D AUTO can be also selected.

CAUTION

For other precautions for changing the fan speed, refer to the user's manual for the R/C.

6.1.1.6. High power operation, energy-saving operation, anti draft ON/OFF, and motion sensor control

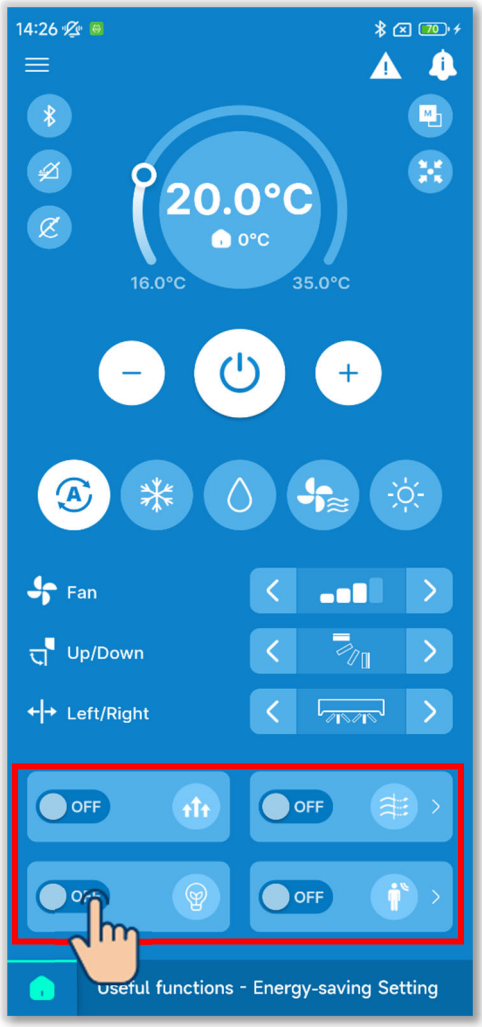


Figure 6-13

Touch the toggle to switch each function ON or OFF.

- High power operation
- Energy-saving operation
- Anti draft ON/OFF
- Motion sensor control

■ High power operation

Operate with high power for 15 minutes and automatically return to normal operation to reach a comfortable indoor temp quickly.

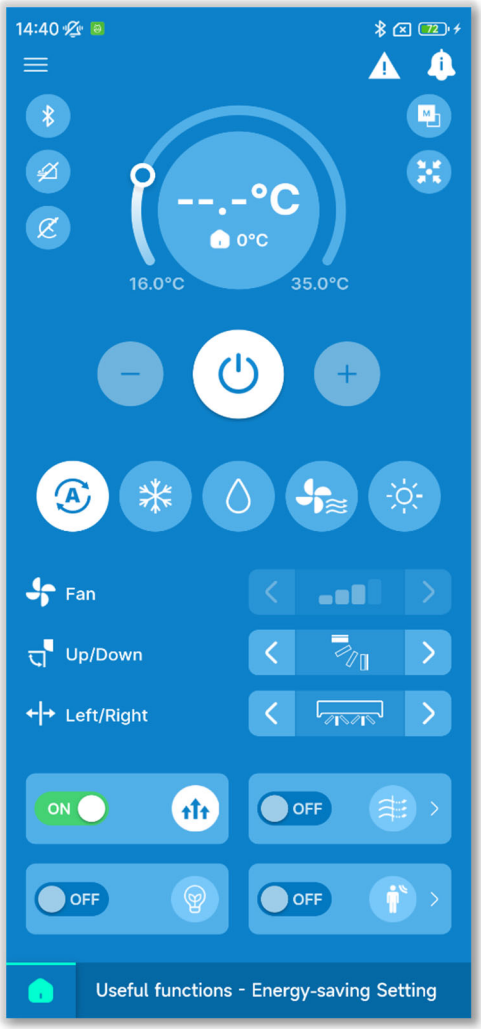


Figure 6-14

①The display of set temp shows "--.-°C" during high power operation.

■ Energy-saving operation

Energy-saving operation can be performed without sacrificing comfortability by automatically controlling the power according to the outdoor temp based on 28°C in cooling mode and 22°C in heating mode.

- You can perform the energy-saving operation only when the operation mode is cooling, heating, or auto.

Figure 6-15

■ Anti draft ON/OFF

You can switch ON or OFF the anti draft function by one touch for all connected panels with the anti draft function.

CAUTION

- If the anti draft function is disabled for all anti draft panels in the anti draft detail settings, you cannot switch ON the function.
- Even if you switch ON, the anti draft function may be closed to prevent condensation from forming on the IU if the humidity around the IU is high. When the humidity decreases, the anti draft function works again.

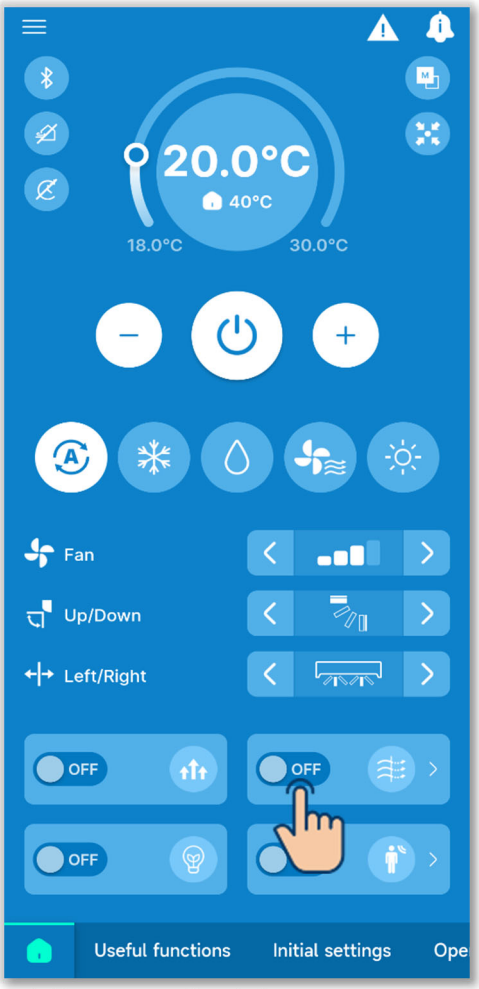


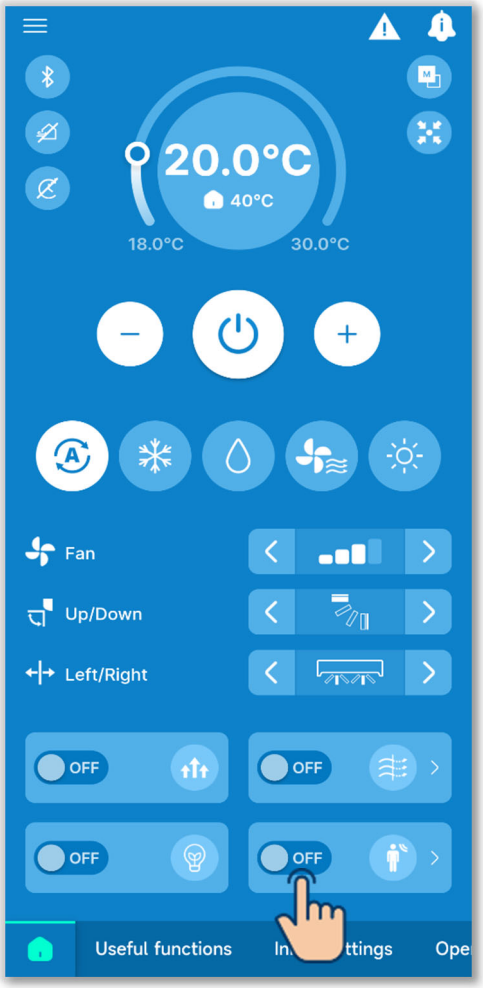
Figure 6-16

To switch ON or OFF the function individually for each IU, touch the › button in the anti draft ON/OFF display. Then, switch the toggle for the desired IU.

You can set the detail settings of the anti draft function in each air outlet for the selected IU. (→Section 6.1.2.2)
Touch the "Select" button to display the IU selection screen.

■ Motion sensor control

You can switch ON or OFF the sensor by one touch operation for all connected IUs with a motion sensor.



To switch ON or OFF the function individually for each IU, touch the button in the motion sensor control display. Then, switch the toggle for the desired IU.

You can set the detail settings of the motion sensor for the selected IU. (→Section 6.2.1)
Touch the "Select" button to display the IU selection screen.

Figure 6-17

CAUTION

Even if you can switch ON or OFF the motion sensor, the motion sensor does not run if the unit does not employ a motion sensor.

6.1.1.7. Checking/changing the timer settings

Figure 6-18

①Touch the button.

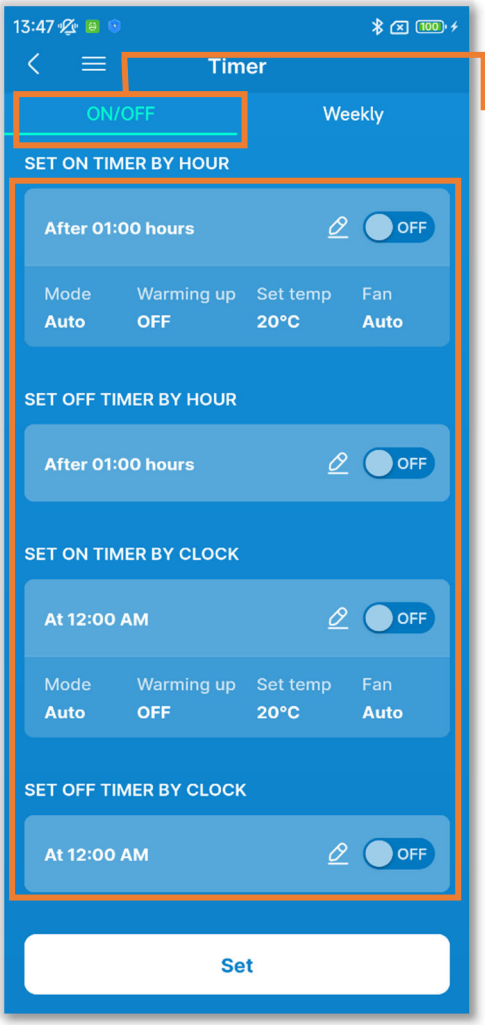


Figure 6-19

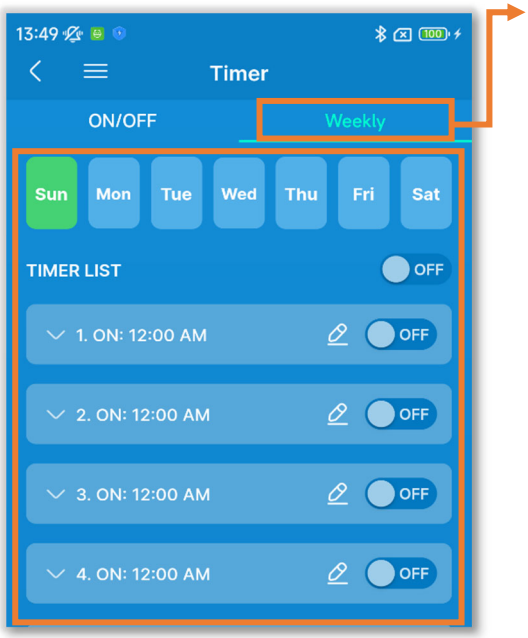
②The "Timer" screen appears.

ON/OFF timers

You can set the following timers.

ON timer by hour	Start or stop the operation of the A/C when the set time has passed.
OFF timer by hour	
ON timer by clock	Start or stop the operation of the A/C at the set time.
OFF timer by clock	

- When you switch ON the timer, the timer works once and then turns OFF.
- For the ON timers, you can also set the operating conditions at the start of the operation.



Weekly timer

Set the ON/OFF timers for one week. Use this function when you want to run the timers repeatedly.

Figure 6-20

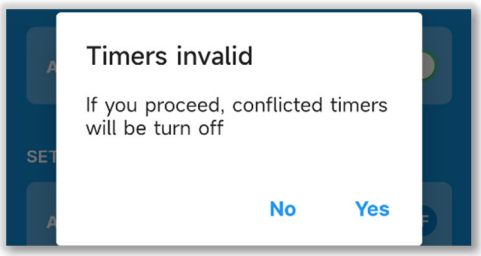
CAUTION

You can set the timers that can be used together. Combinations of timers that can be used together are shown in the table below. (○: Can be used together, ×: Cannot be used together)

	Sleep	OFF: Hours	ON: Hours	OFF: Clock	ON: Clock	Weekly
Sleep		×	×	○	○	○
OFF: Hours	×		×	×	×	×
ON: Hours	×	×		×	×	×
OFF: Clock	○	×	×		○	×
ON: Clock	○	×	×	○		×
Weekly	○	×	×	×	×	

If you attempt to switch ON a timer that cannot be used together while the setting of any timer is ON, this timer is switched OFF.

A confirmation popup appears.
Touch "Yes."



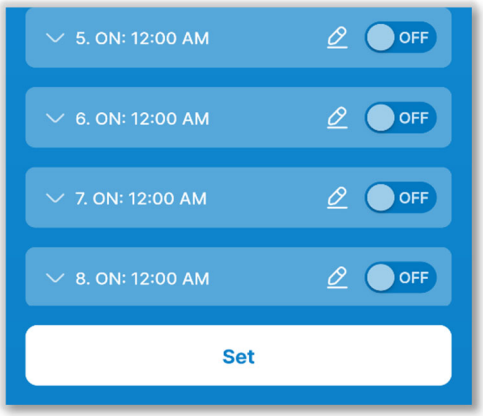


Figure 6-21

③Set the desired timer by the following operation, and touch "Set."

CAUTION

If you do not touch "Set," the contents in ② are not transmitted to the R/C. Do not forget to touch it.

■ ON/OFF timers

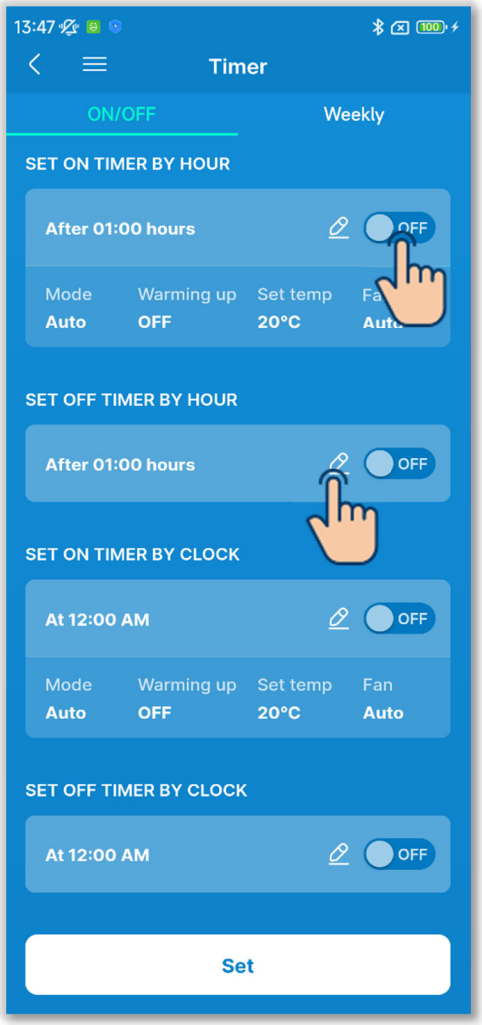


Figure 6-22

①Touch the toggle to switch ON or OFF each timer setting.

②Touch the button to change the settings of each timer.

- On the ON timer for hour edit screen, you can set the time until starting the operation and the conditions at the start of the operation.

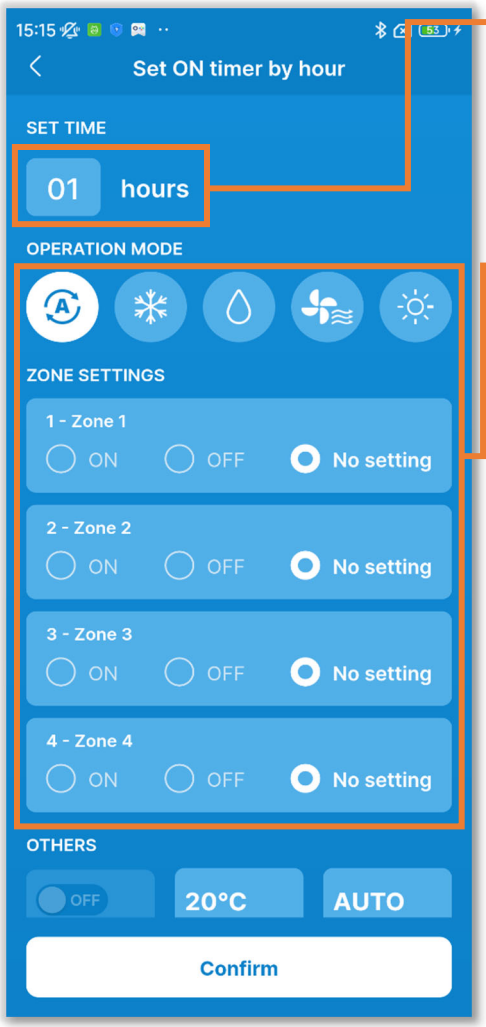


Figure 6-23

Set time:

Set the time until starting the operation. (Setting time range: 1 to 12 hours)

Condition settings at the start of the operation:

- Operation mode (→Section 6.1.1.3)
- Zone ON/OFF (→Section 6.1.1.5)
- Fan speed(→Section 6.1.1.4)
- Set temp (with an increment of 1°C) (→Section 6.1.1.2)
- Warming up ON/OFF*1

*1: You can set warming up only with the main R/C. The microcomputer predicts the operation start time based on the last warming-up operation and starts the operation 5 to 60 minutes before the start time so the indoor temp becomes close to the set temp at the operation start set time.

If you switch ON warming up, set the timer at least one hour before starting the timer operation. If you set warming up within one hour before starting the timer operation, warming up is canceled.

The warming-up operation will be stopped by stopping the A/C, starting high power and energy-saving operations and disabling the timer.

- On the OFF timer for hour edit screen, you can set the time until stopping the operation.

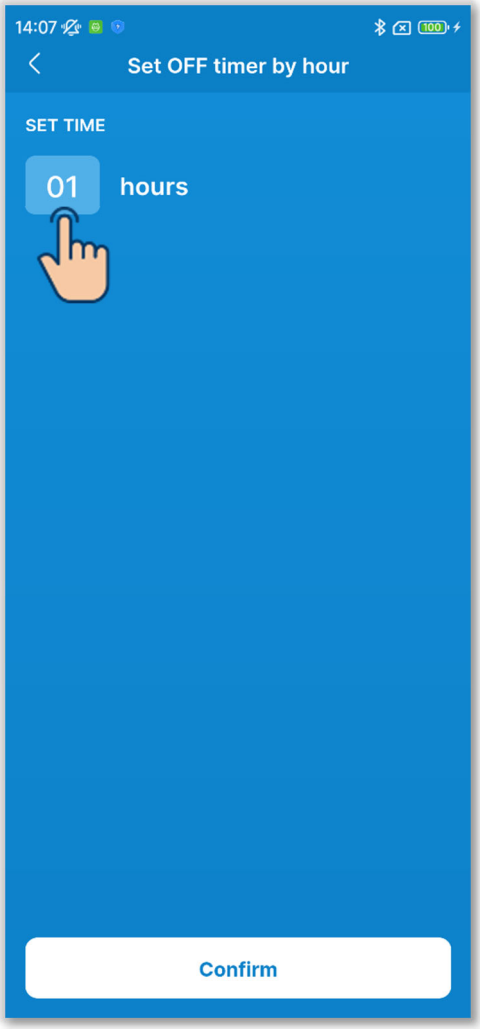


Figure 6-24

Set time:

Set the time until stopping the operation. (Setting time range: 1 to 12 hours)

- On the ON timer for clock edit screen, set the desired time to start the operation and the conditions at the start of the operation.

Figure 6-25

Set time:

Set the desired time to start the operation. (With an increment of 10 minutes)

Condition settings at the start of the operation:

Same as the ON timer for hour setting.

- On the OFF timer for clock edit screen, set the desired time to stop the operation.

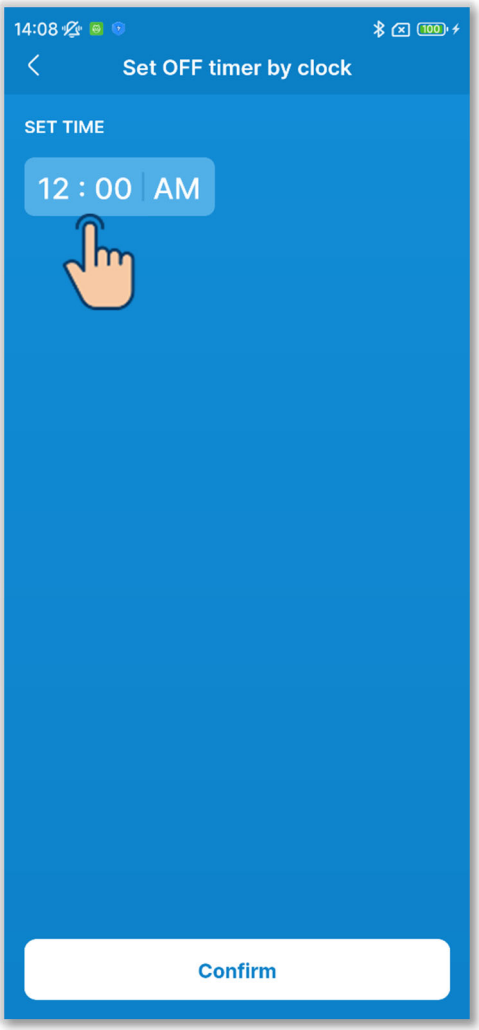


Figure 6-26

Set time:

Set the desired time to stop the operation. (With an increment of 10 minutes)

■ Weekly timer

You can set 8 timer operations for every day of the week.
When you enable the function, the timer runs every week.
You can set the weekly timer only with the main R/C.

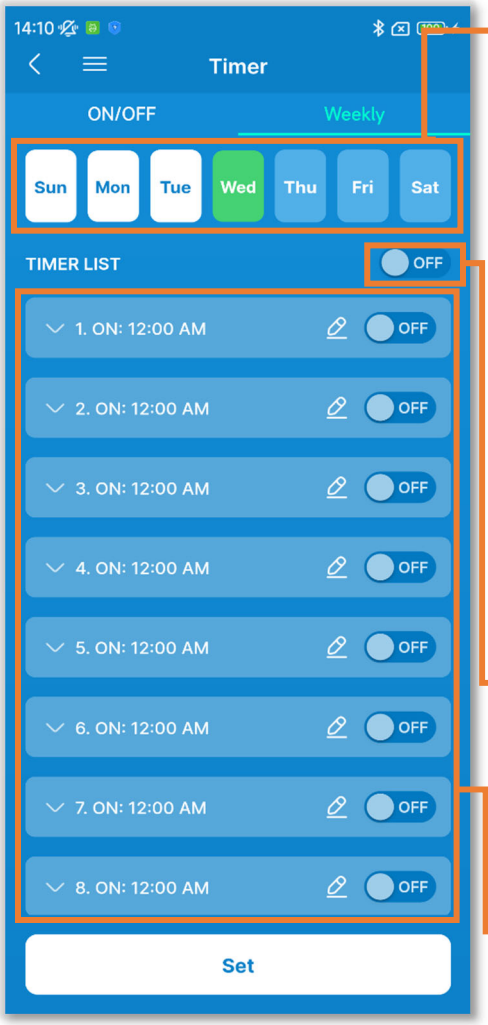


Figure 6-27

Day of the week:

Select the day of the week to set.

Color of the icon

Green	Day of the week displayed in the timer list
White	Day of the week on which at least one timer setting is ON
Blue	Day of the week in which all timer settings are OFF

Day of week bulk ON/OFF toggle:

Turn ON or OFF all timers on the day of the week displayed.

Timer list:

Displays the timers on the selected day of the week. You can touch the toggle to switch ON or OFF each timer setting.

Touch the button to change the settings of each timer.

The setting method is the same as the on/off timers for the clock.

6.1.2. Useful functions

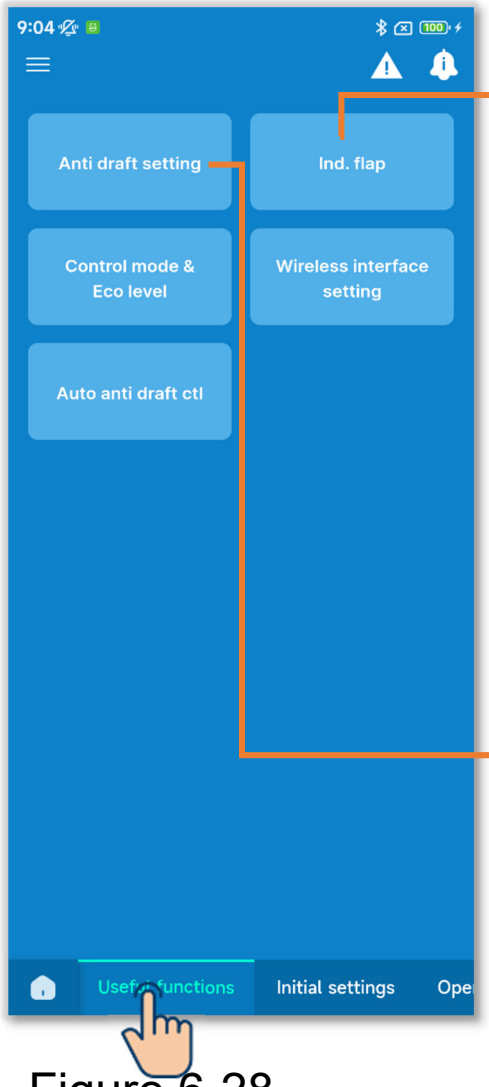


Figure 6-28

Touch the "Useful functions" tab.

Individual flap control:

Set the operation range of the flap (upper limit position/lower limit position) in each air outlet to the desired range.

You can also set the left limit position/right limit position of a FDK with a left/right flap.

* You cannot operate this function for some types of IUs.

Anti draft setting:

For connected panels with the anti draft function, you can turn ON or OFF the anti draft operation in each air outlet in each operation mode.

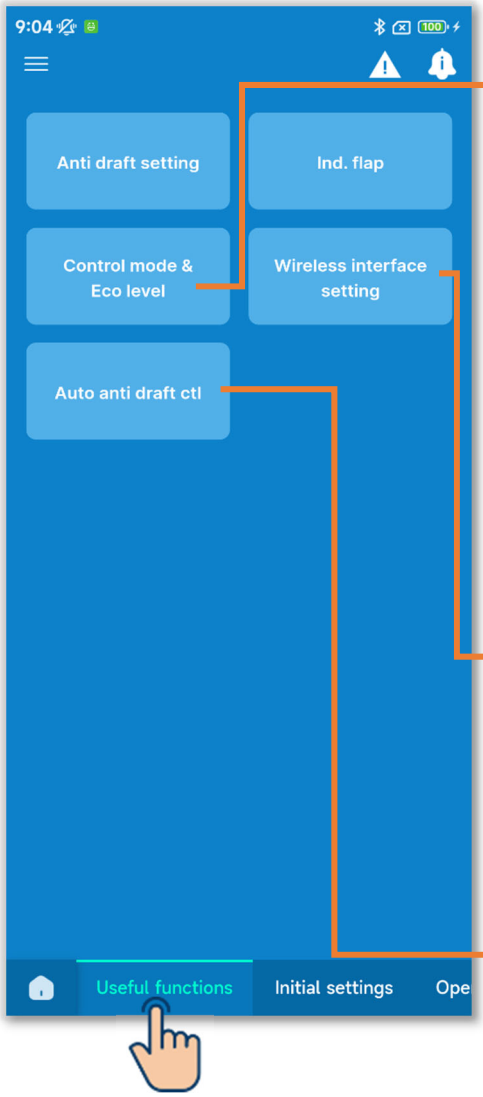


Figure 6-29

Control mode & Eco level：

Automatically controls the capacity depending on the R/C set temperature and the indoor temperature, which enablesthe energy-saving operation without sacrificing comfort.

Wireless interface setting：

Set the various settings related to the wireless interface.

Auto anti draft ctl：

You can set each blow outlet operation for auto anti draft ctl and can also enable/disable for allow to air flow volume up.

6.1.2.1. Individual flap control

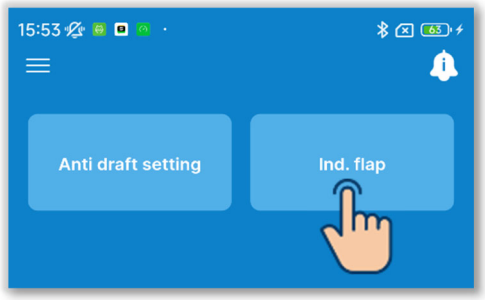


Figure 6-30

①Touch the "Ind. flap" button.

Figure 6-31

②Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select only one unit.

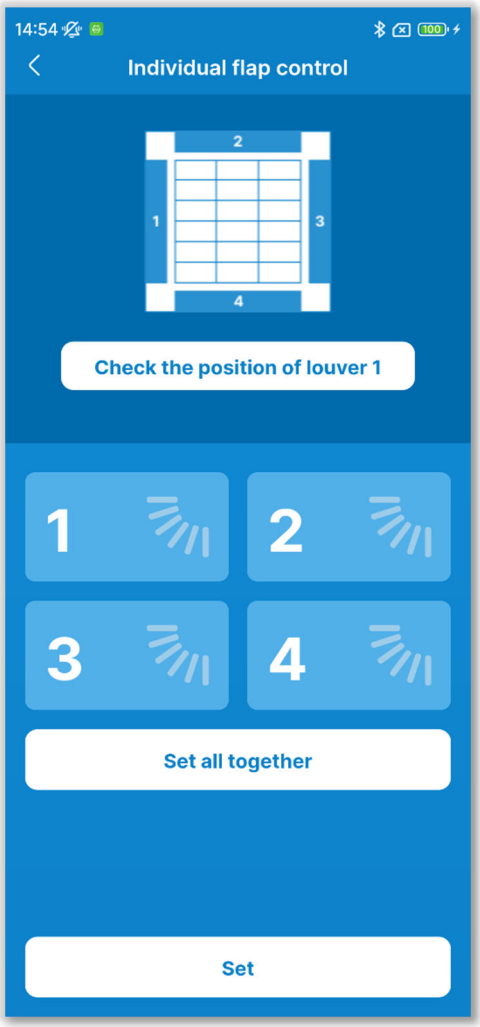


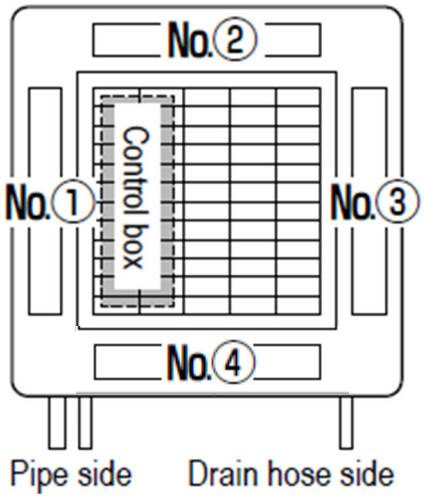
Figure 6-32

③Select the flap number and set the operation range.

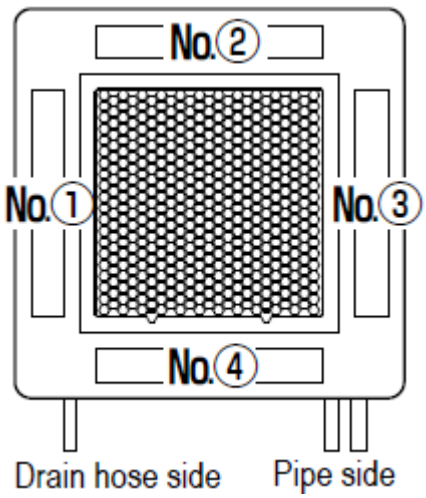
For models with plural flaps in the air outlet, touch "Batch set" to set all flaps at the same time. (Excluding an FDK with a left/right flap)

If you enter into the individual flap control in the stopped state, you can check the air outlet position for models with plural flaps like FDT. Touch the "Check the flap's position" button to run the flap in air outlet 1 for about 20 seconds, and select a flap by referring to this. The figures displayed show the stationary units viewed from the floor.

In the case of FDT



In the case of FDTC



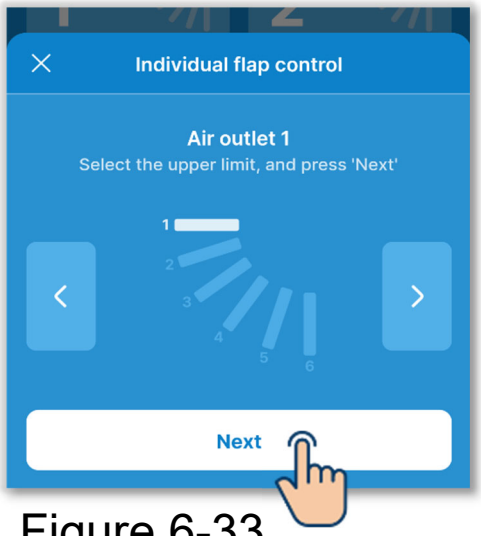


Figure 6-33

④Touch the ‹ / › buttons to select any of the upper limit positions 1 to 6 in the flap operation range, and touch the "Next" button.

Figure 6-34

⑤Touch the ‹ / › buttons to select any of the lower limit positions 1 to 6 in the flap operation range, and touch the "Confirm" button.

The operation range between the upper limit position and lower limit position is displayed in white.

Figure 6-35

⑥Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ② to ⑤ are not transmitted to the R/C. Do not forget to touch it.

■ When setting the individual flap in the left/right flap direction

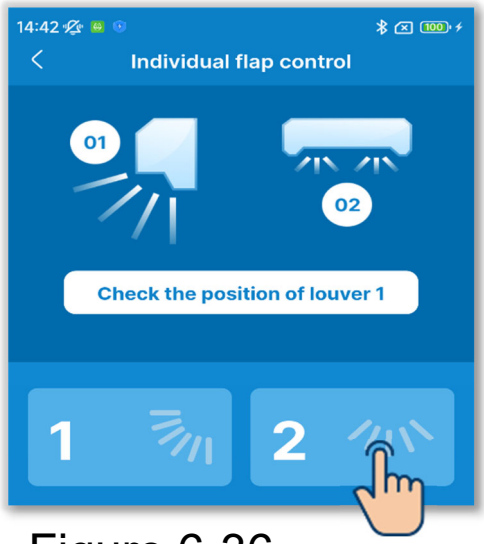


Figure 6-36

①Touch air outlet 2.

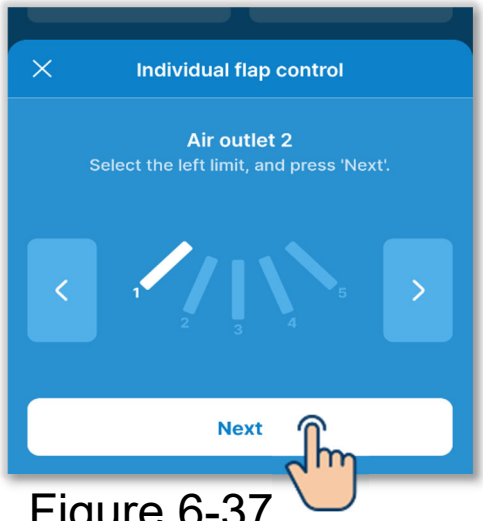


Figure 6-37

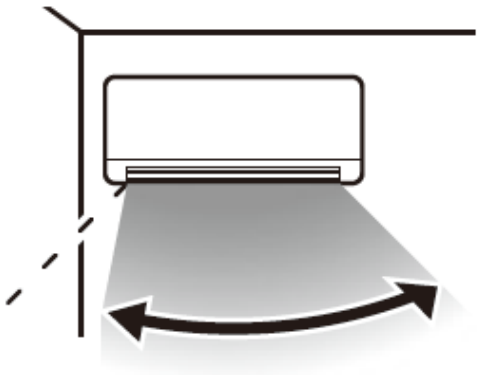
②Touch the ‹ / › buttons to select any of the left limit positions 1 to 5 in the flap operation range, and touch the "Next" button.

Figure 6-38

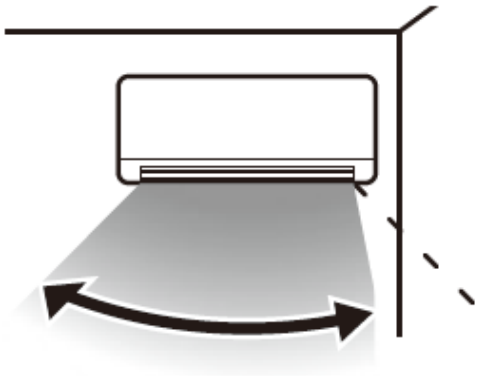
③Touch the ‹ / › buttons to select any of the right limit positions 1 to 5 in the flap operation range, and touch the "Confirm" button.

If you install the IU within 50 cm from the wall, it is recommended to change the left/right flap operation range to the following ranges.

- When installed to the left
  Left/right flap operation ranges 2 to 5



- When installed to the right
  Left/right flap operation ranges 1 to 4



6.1.2.2. Anti draft setting

Figure 6-39

①Touch the "Anti draft setting" button.

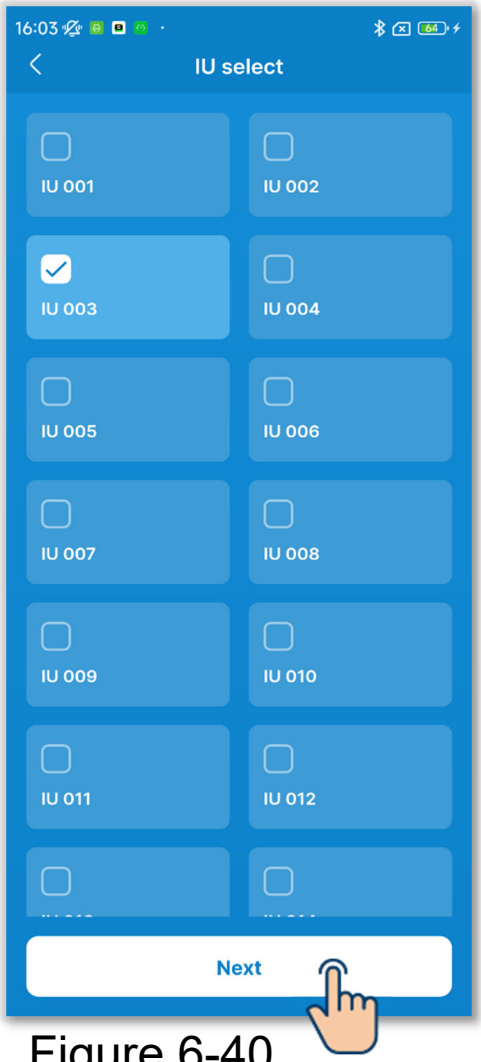


Figure 6-40

②Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select only one unit.

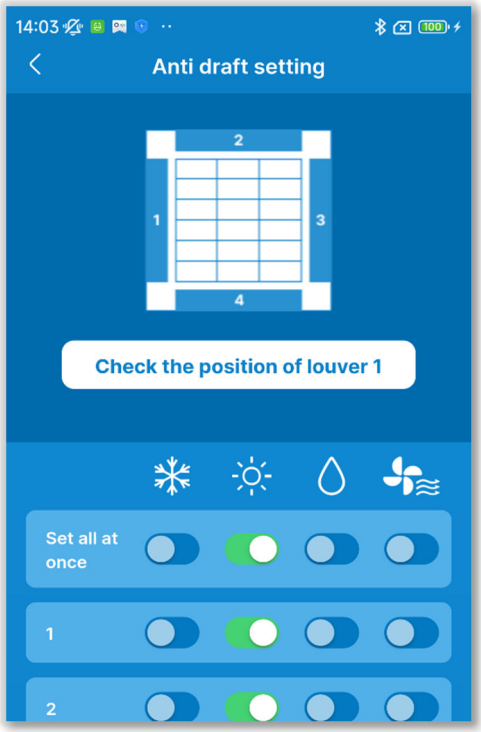


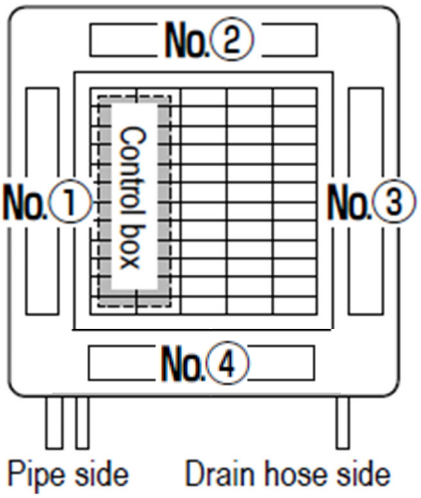
Figure 6-41

③Turn ON or OFF the anti draft operation in each air outlet in each operation mode.

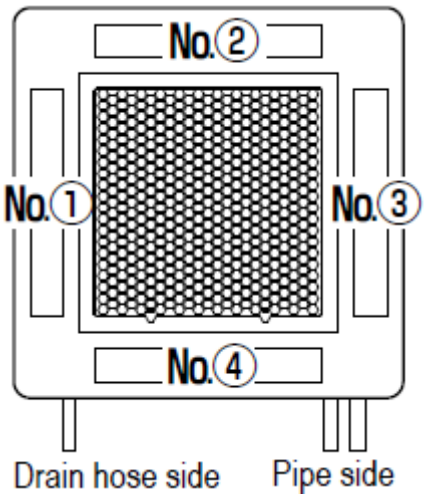
Touch "Batch set" toggle to set all air outlets at the same time.

If you enter into the anti draft setting in the stopped state, you can check the air outlet position for models with plural flaps like FDT. Touch the "Check the flap's position" button to run the flap in air outlet 1 for about 20 seconds, and select a flap by referring to this. The figures displayed show the stationary units viewed from the floor.

In the case of FDT



In the case of FDTC



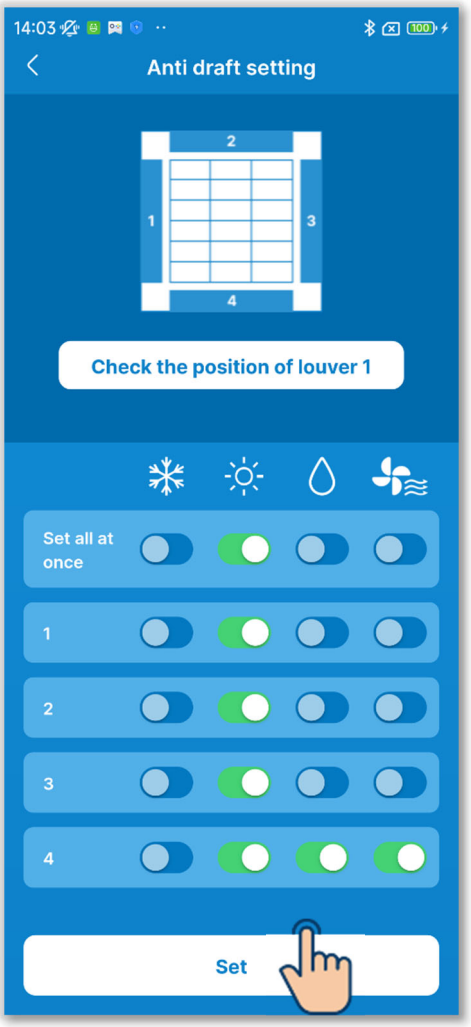


Figure 6-42

④Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ② to ③ are not transmitted to the R/C. Do not forget to touch it.

6.1.2.3. Control mode & Eco level

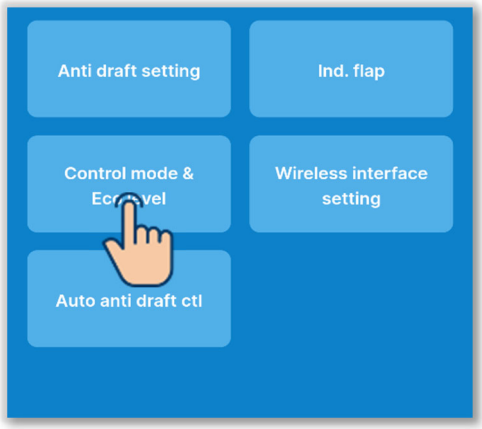


Figure 6-43

①Touch the " Control mode & Eco level " button.

*If no OU equipped with control mode & eco level function is connected, Control mode & Eco level will not be operated.

Figure 6-44

②Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

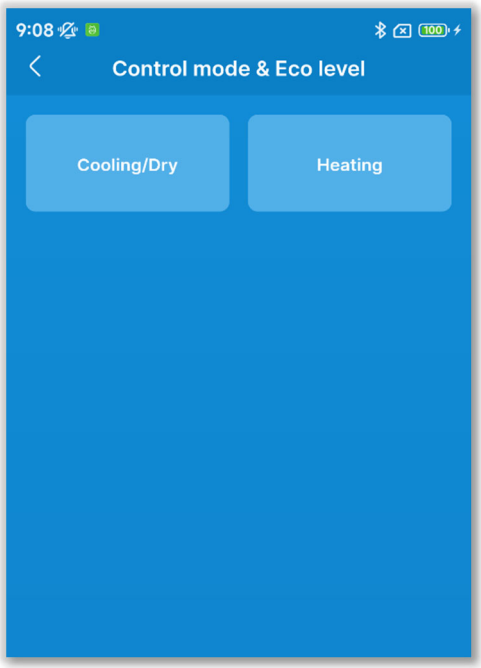


Figure 6-45

③Select “Cooling/Dry” or “Heating”.

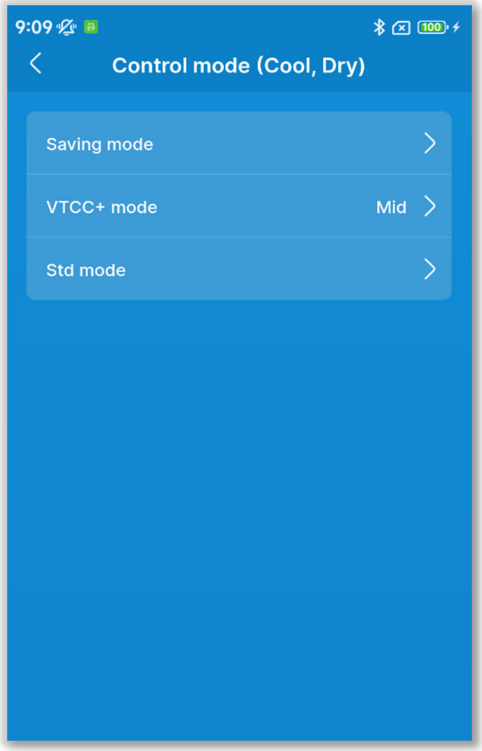


Figure 6-46

④Select the control mode.

Saving mode:

Most energy saving mode.

Suitable for low cooling/heating demand in thebuilding.

VTCC+ mode:

Most balanced mode between capacity controland energy saving.

Suitable for cooling/heatin demand varies among the room in the building.

Std mode:

Capacity is maximised.

Suitable for high cooling/heating demand in the building.

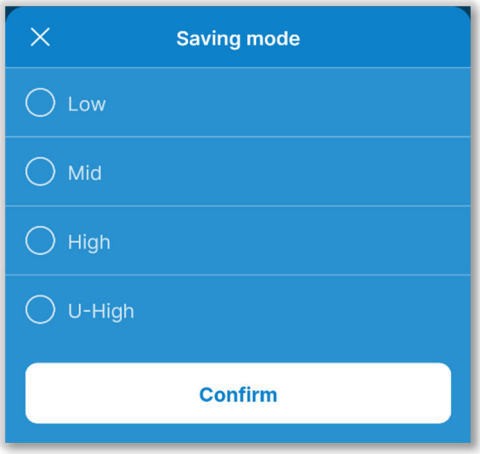


Figure 6-47

⑤Select the eco level.

Eco level: U-High > High > Mid > Low

*The eco level can be set only when ”Saving mode” or ”VTCC+ mode” is selected in control mode.

6.1.2.4. Wireless interface setting

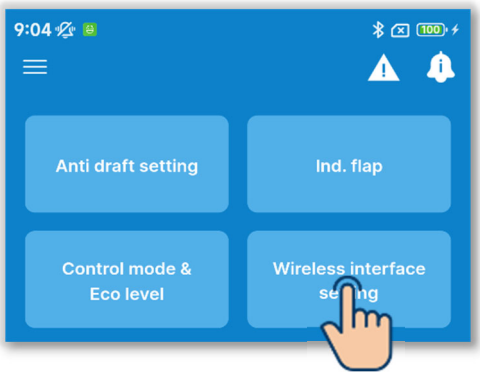


Figure 6-48

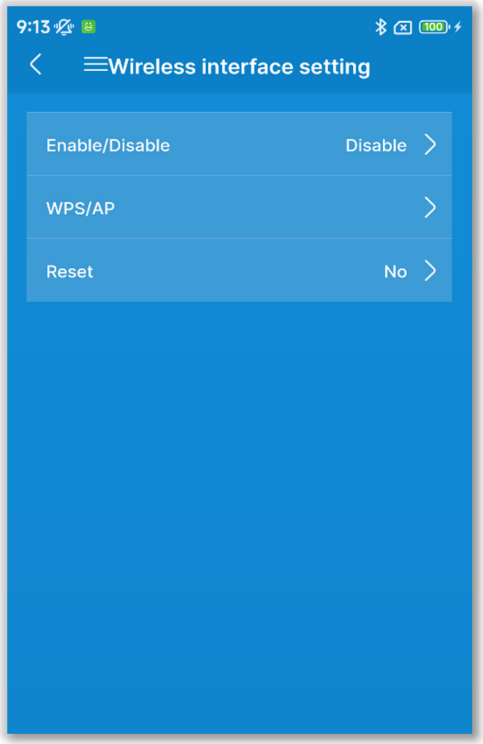
①Touch the "Wireless interface setting" button.

*If no IU equipped with wireless interface function is connected, wireless interface setting will not be operated.

Figure 6-49

②Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.



③Select the function to set.

Figure 6-50

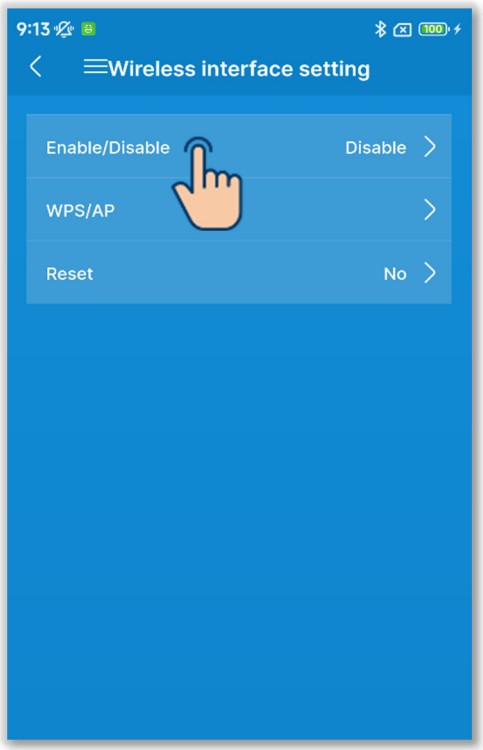
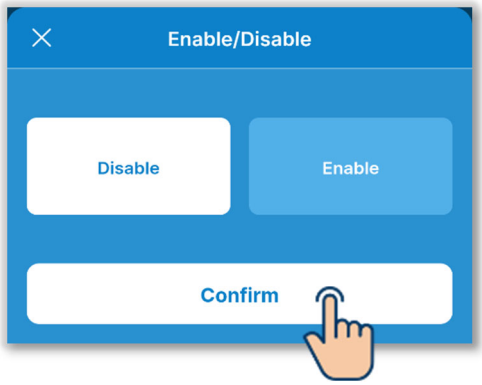


Figure 6-51

④Enable or disable the wireless LAN interface. Touch “Enable/Disable”.

Select "Disable" or "Enable," and touch the "Confirm" button.



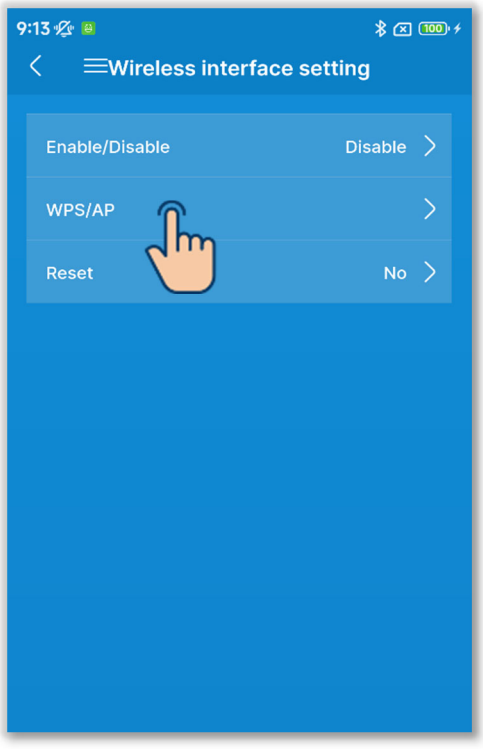
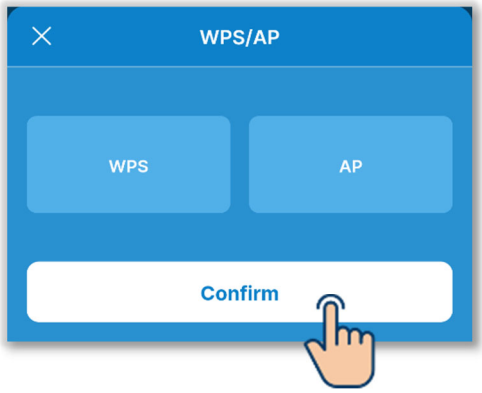


Figure 6-52

⑤Set the communication mode for the wireless LAN interface. Touch “WSP/AP”.

Select "WPS" or "AP", and touch the "Confirm" button.



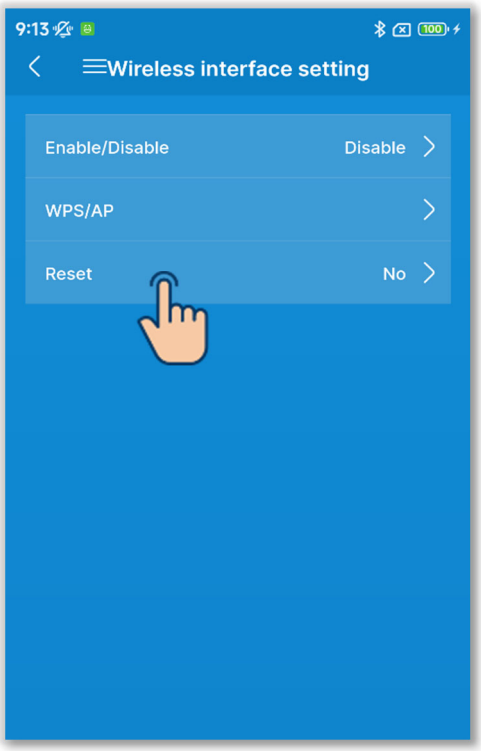
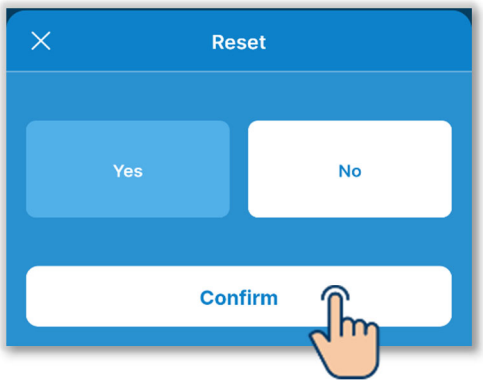


Figure 6-53

⑥Reset the wireless LAN interface settings. Touch “Reset”.

Select “Yes” or “No” and touch “Confirm”.



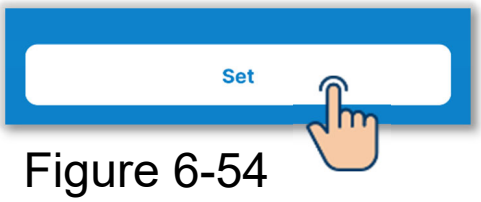


Figure 6-54

⑦Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ② to ⑥ are not transmitted to the R/C. Do not forget to touch it.

6.1.2.5. Auto anti draft ctl

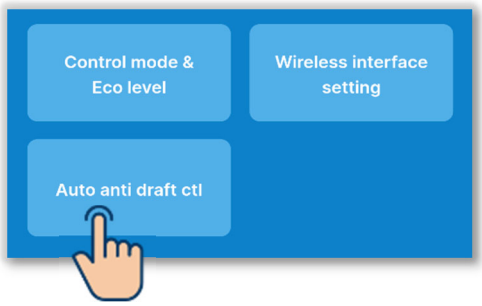


Figure 6-55

①Touch the " Auto anti draft ctl" button.

*If no IU equipped with auto anti draft ctl function is connected, auto anti draft ctl will not be operated.

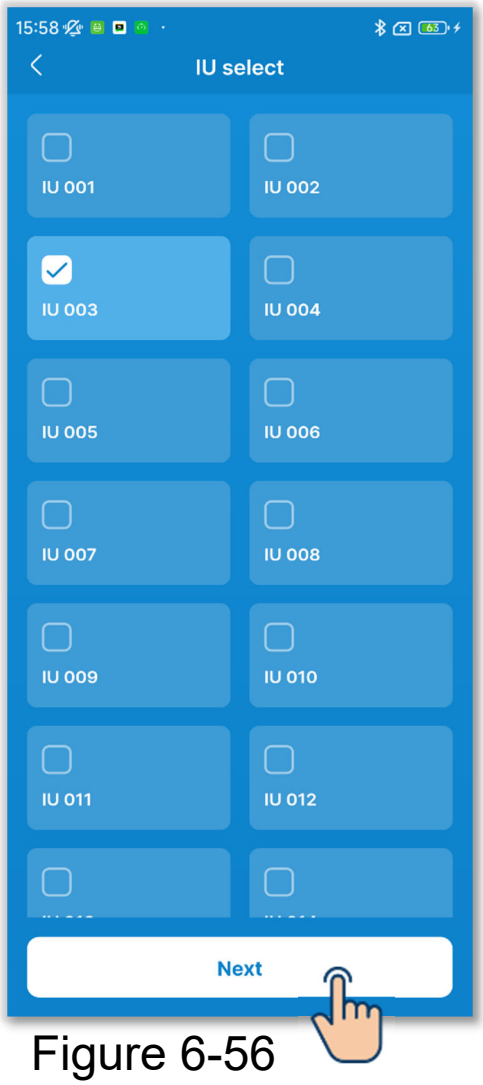


Figure 6-56

②Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select only one unit.

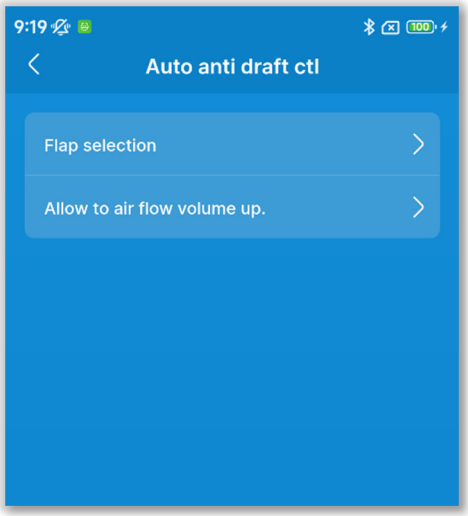


Figure 6-57

③Select the function to set.

Flap selection:

You can set each blow outlet operation for auto anti draft ctl.

Allow to air flow volume up:

You can set enable or disable for allow to air flow volume up.

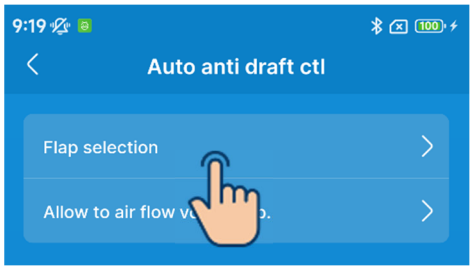


Figure 6-58

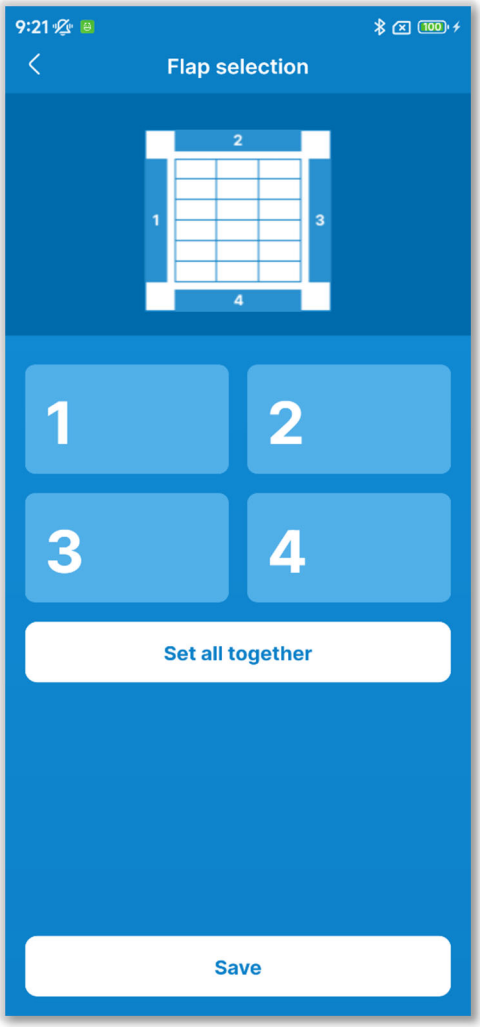


Figure 6-59

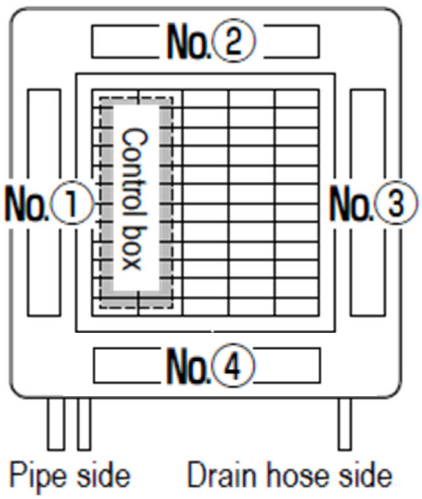
④Configure the air outlet settings. Touch “Flap selection”.

Select the flap number and set the blow outlet operation.

For models with plural flaps in the air outlet, touch "Set all together " to set all flaps at the same time. (Excluding an FDK with a left/right flap)

If you enter into the auto anti draft ctl in the stopped state, you can check the air outlet position for models with plural flaps like FDT. Touch the "Check the flap's position" button to run the flap in air outlet 1 for about 20 seconds, and select a flap by referring to this. The figures displayed show the stationary units viewed from the floor.

In the case of FDT



In the case of FDTC

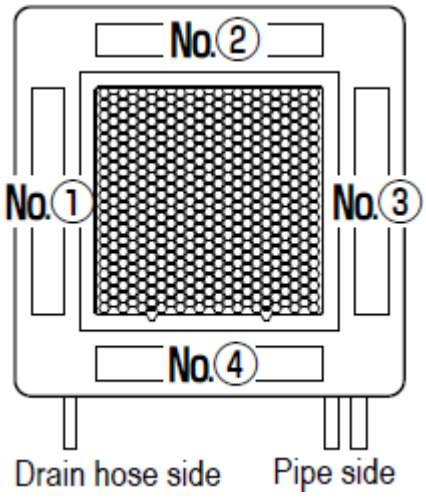


Figure 6-60

Select “Direct flow”, “Draft less”, “Disable”, or “Automatic”, and touch “Finish”. Select the operation of each air outlet.

Direct flow:

Changes the flap direction toward the detected subject.

If you select direct flow while anti draft is running, anti draft will stop.

Draft less:

Does not change the flap direction set using the R/C when anti draft is activated.

When anti draft is not activated, the flap direction changes to horizontal.

Disable:

Does not change the flap direction set using the R/C.

Automatic:

It automatically changes the flap direction and anti draft ON/OFF depending on the room temperature and floor temperature.

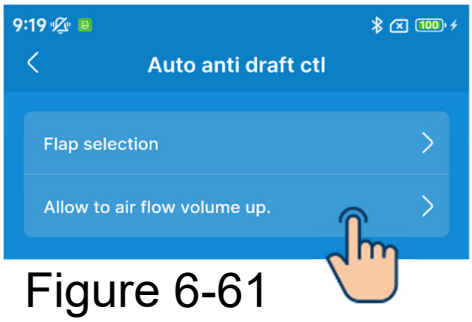


Figure 6-61

⑤Configure the settings for automatic air flow amplification. Touch "Allow to air flow volume up" bttom

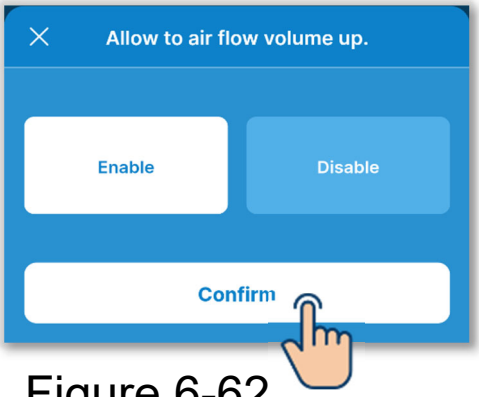


Figure 6-62

Select "Disable" or "Enable," and touch the "Confirm" button.

*Air flow volume up is only available for the blow outlet for which direct flow or automatic is selected in flap selection.

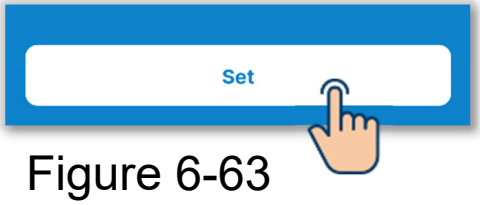


Figure 6-63

⑥Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ② to ⑤ are not transmitted to the R/C. Do not forget to touch it.

6.1.3. R/C initial settings

Set the R/C initial settings.

Notification

The R/C does not have a function to set the time. Every time the R/C pairs with a smartphone, it obtains the time from the smartphone and applies it to the screen display.

Be sure to set the local time on the smartphone to be paired. If you want to update the time setting of your R/C, for example, when summer time starts, pair it with your smartphone.

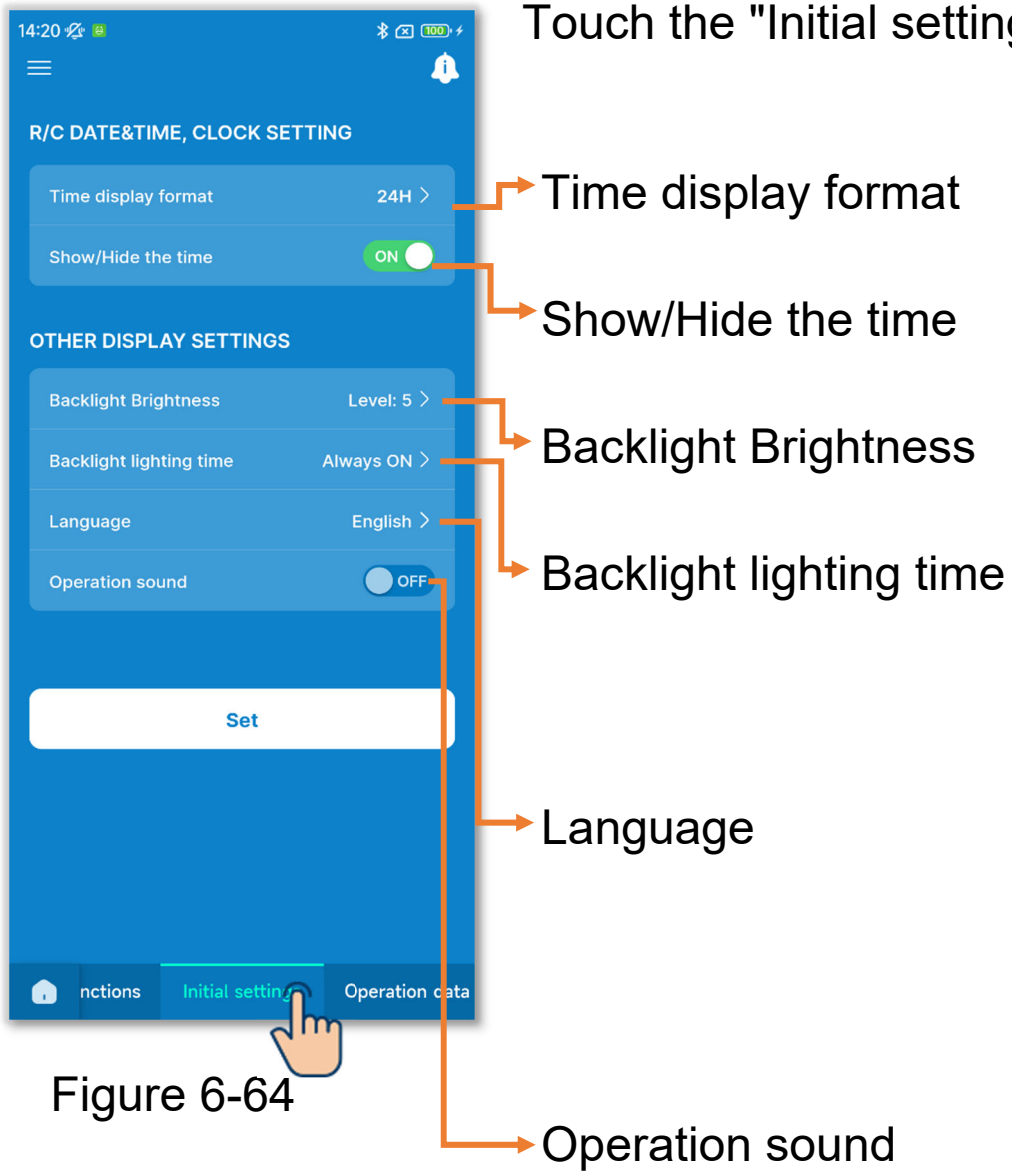

Touch the "Initial settings" tab.
14:20
R/C DATE&TIME, CLOCK SETTING
Time display format
24H
Show/Hide the time
ON
OTHER DISPLAY SETTINGS
Backlight Brightness
Level: 5
Backlight lighting time
Always ON
Language
English
Operation sound
OFF
Set
nctions
Initial setting
Operation data
Time display format
Show/Hide the time
Backlight Brightness
Backlight lighting time
Language
Operation sound

Figure 6-64

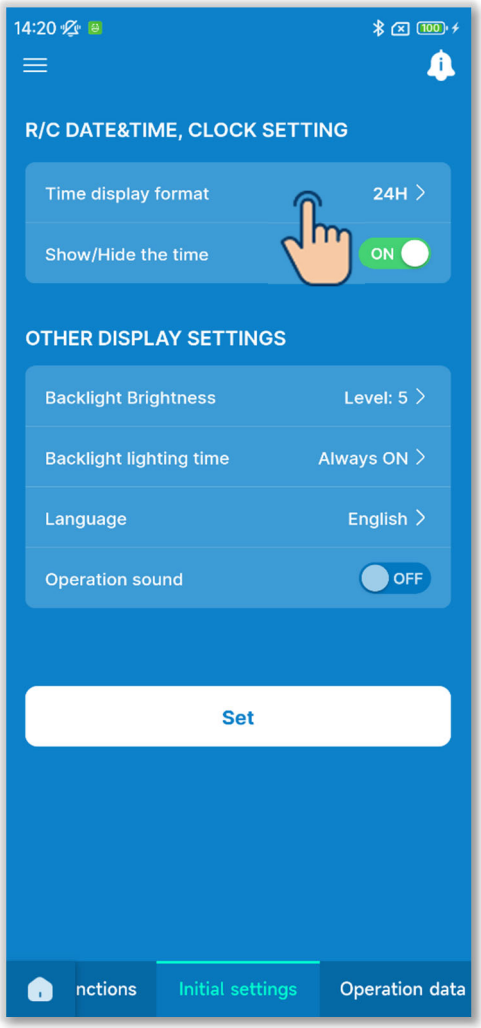


Figure 6-65

①Time display format

Touch the time display format.

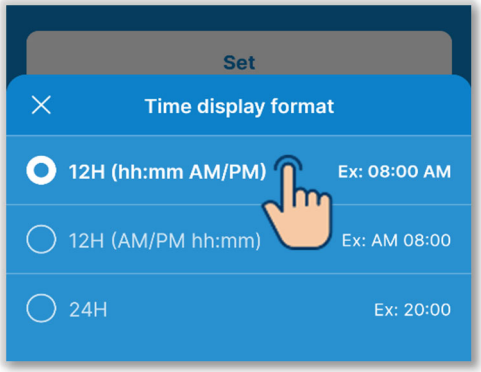


Figure 6-66

Touch the desired display format.

12H setting:

Select the display position of AM/PM. When AM or PM is displayed before the time, if the time is 3:50 p.m., "PM3:50" is displayed.

24H setting:

If the time is 3:50 p.m, "15:50" is displayed.

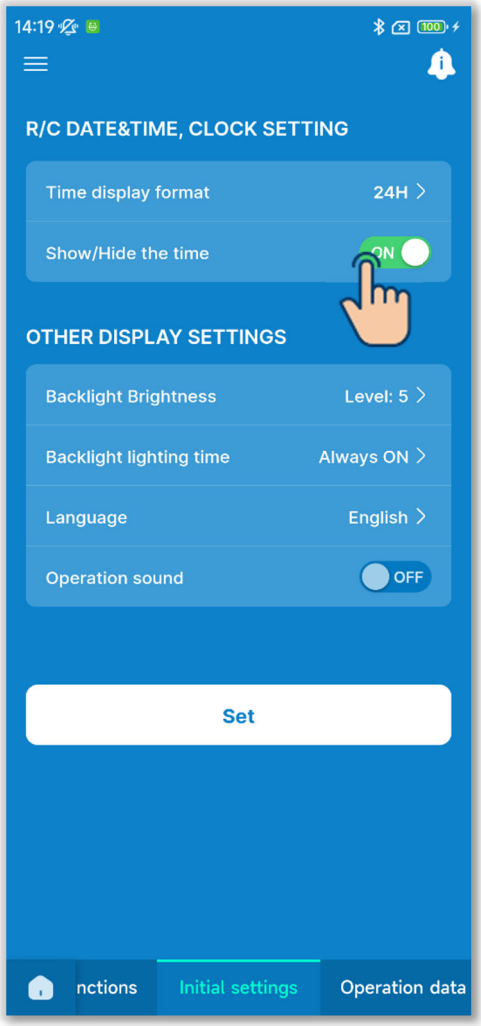


Figure 6-67

②Show/Hide the time

You can set whether to show or hide the time on the Top screen of your R/C. Touch the toggle to show or hide the time.

③Backlight brightness setting

You can set the backlight brightness of your R/C screen. Touch "Backlight brightness," select the brightness level, and touch the "Confirm" button.

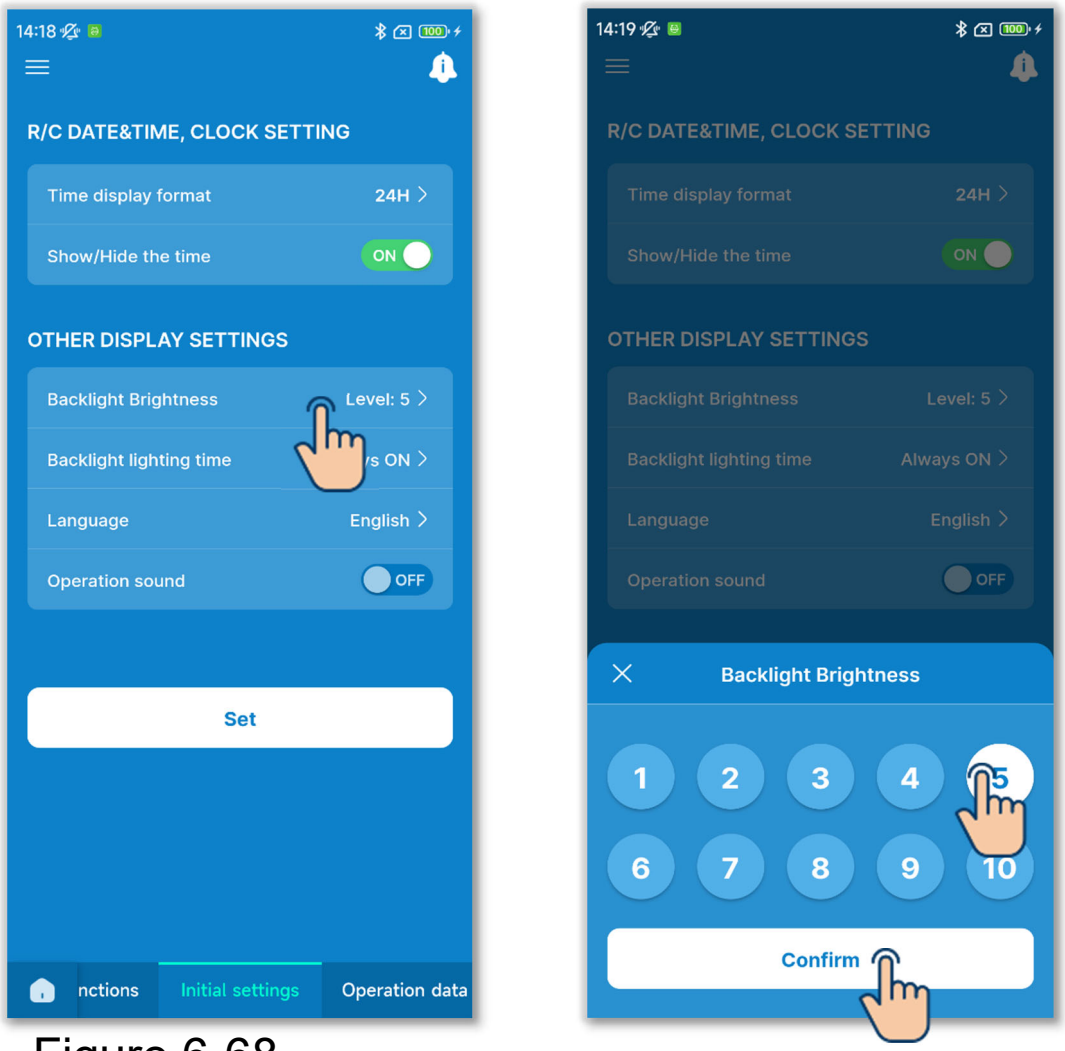


Figure 6-68

④Backlight lighting time setting

You can set the backlight lighting time of your R/C screen. If you do not operarte the R/C during the set time after the touch key operation, the backlight turns off.

Touch "Backlight lighting time," select the time, and touch the "Confirm" button.

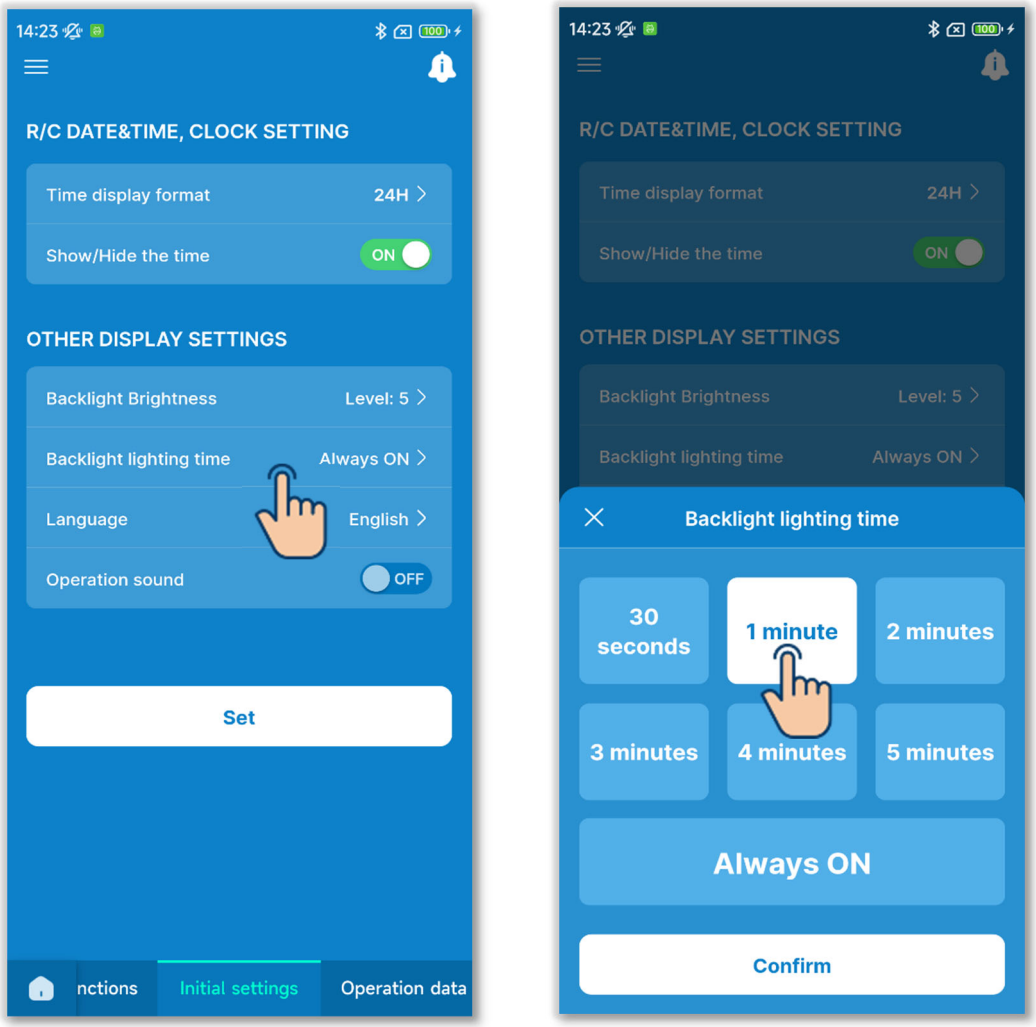


Figure 6-69

⑤Language setting

You can set the language displayed on your R/C.
Touch "Language," select the desired language, and touch the "Confirm" button.

You can set the following languages.

English, German, French, Spanish, Italian, Dutch, Turkish, Portuguese, Russian and Polish.

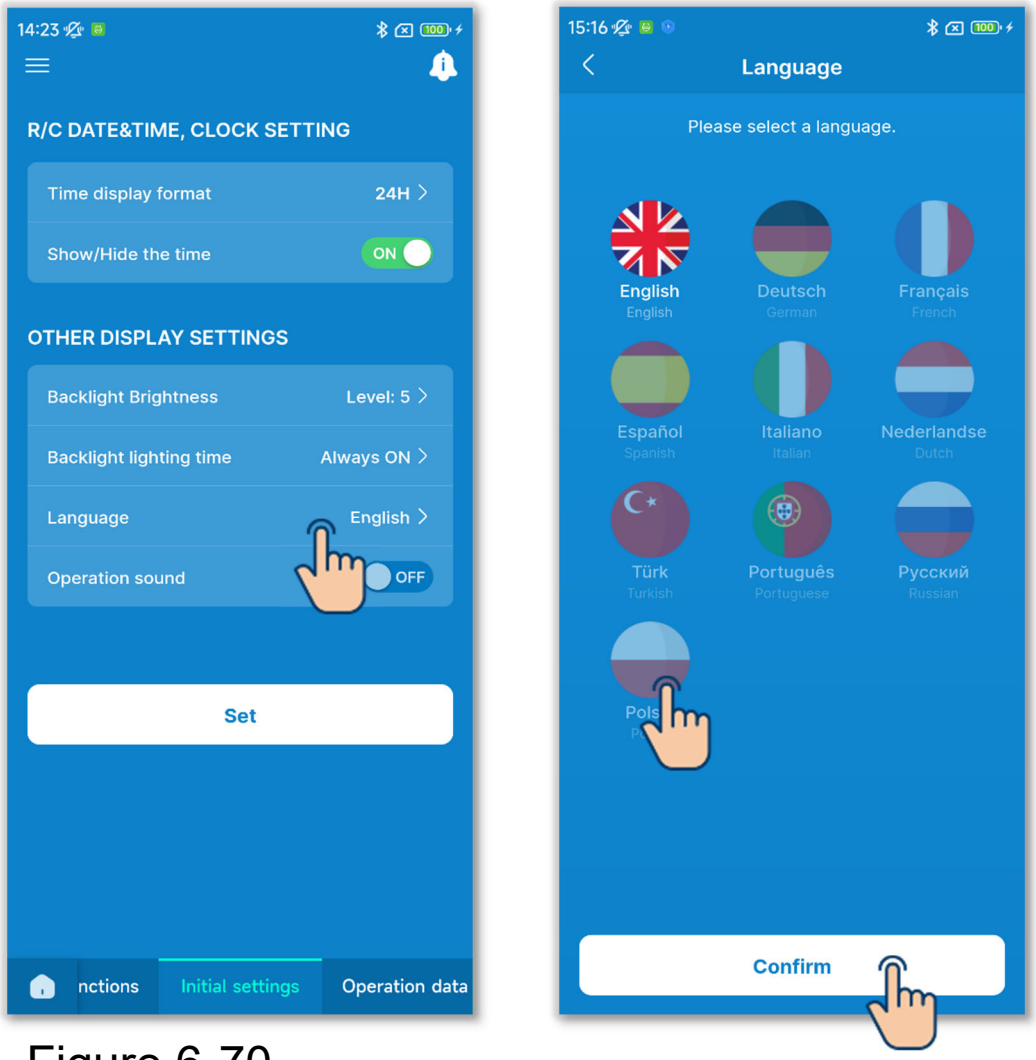


Figure 6-70

⑥Operation sound

You can set whether or not to output a buzzer sound when you touch keys on your R/C.

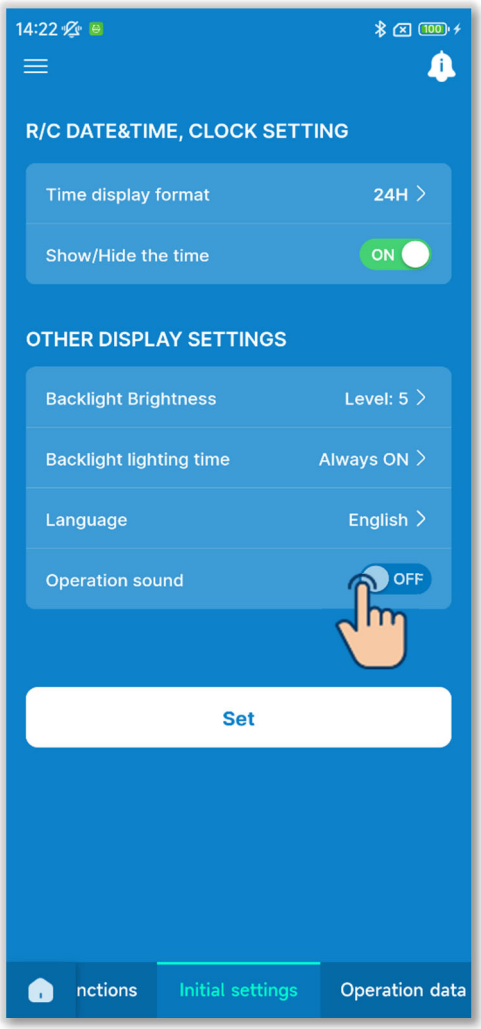


Figure 6-71

Touch the toggle for the operation sound to switch ON or OFF the operation sound.

ON: When you touch a touch key, a buzzer sounds.

OFF: A buzzer does not sound.

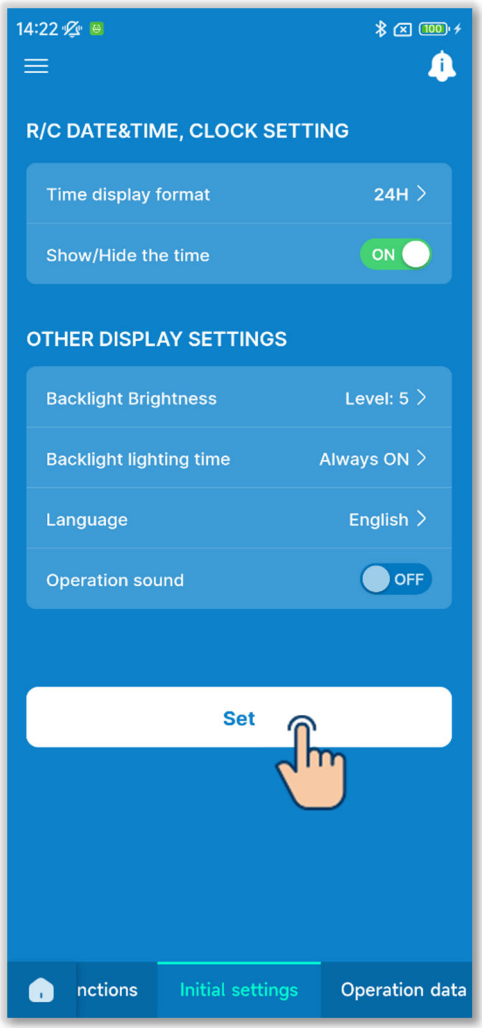


Figure 6-72

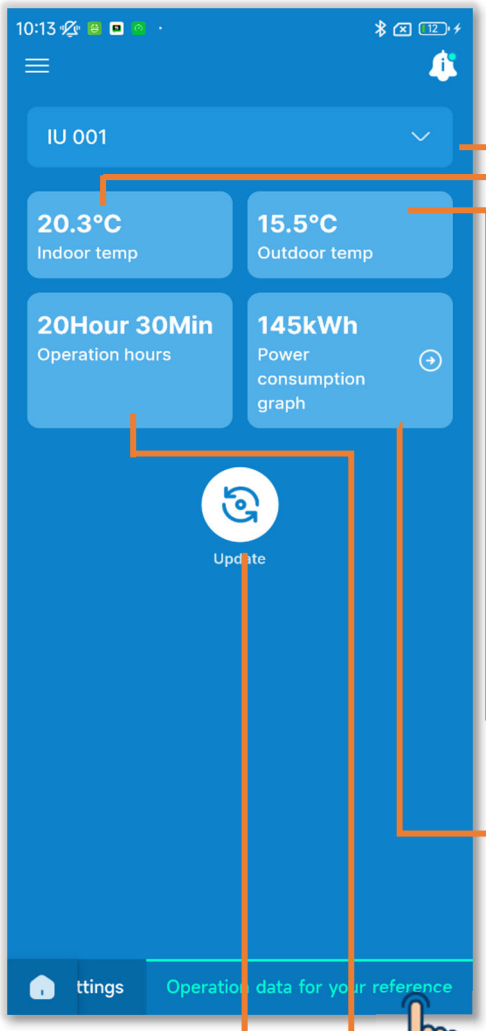
⑦Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ① to ⑥ are not transmitted to the R/C. Do not forget to touch it.

6.1.4. Operation data for your reference

You can display the current indoor temp, outdoor temp, operation hours, and power consumption.



Touch the "Operation data for your reference" tab.

IU name:

Touch this to change to the IU you want to display.

Indoor temp:

Displays the R/C sensor temp if you turn ON the R/C sensor setting.
Displays the return air temp if you turn OFF the R/C sensor setting.
(→Section 3.1.1)

Outdoor temp

Power consumption:

Power consumption from the start of the operation

Operation hours:

Operation hours from the start of the operation

Update:

Touch the button to update the display contents.

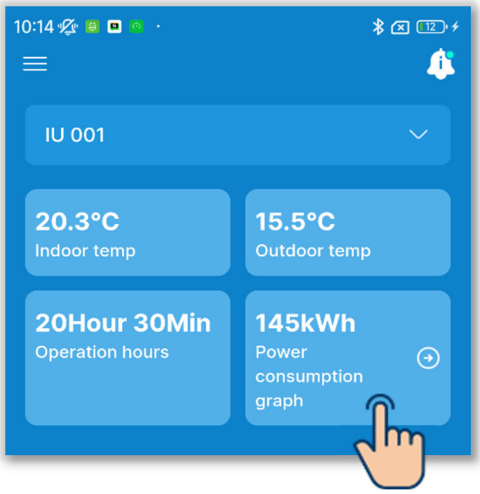
Figure 6-73

CAUTION

- The power consumption can be displayed only when one IU is connected to the R/C. It may not be displayed depending on the IU or OU connected.
- The power consumption cannot be displayed if your R/C is set as a sub R/C.
- The displayed power consumption is just a reference and may be different from the actual one. If you want to measure accurate power consumption, install, for example, an integrating power meter.

■ Power consumption graph display

If the power consumption is displayed, you can display a daily, weekly, or yearly power consumption graph, and you can compare them with your past consumption power graphs. You can also attach the original data of the graphs to an e-mail. You can use the graph data as a reference of your energy-saving operation.



①Touch the power consumption.

Figure 6-74

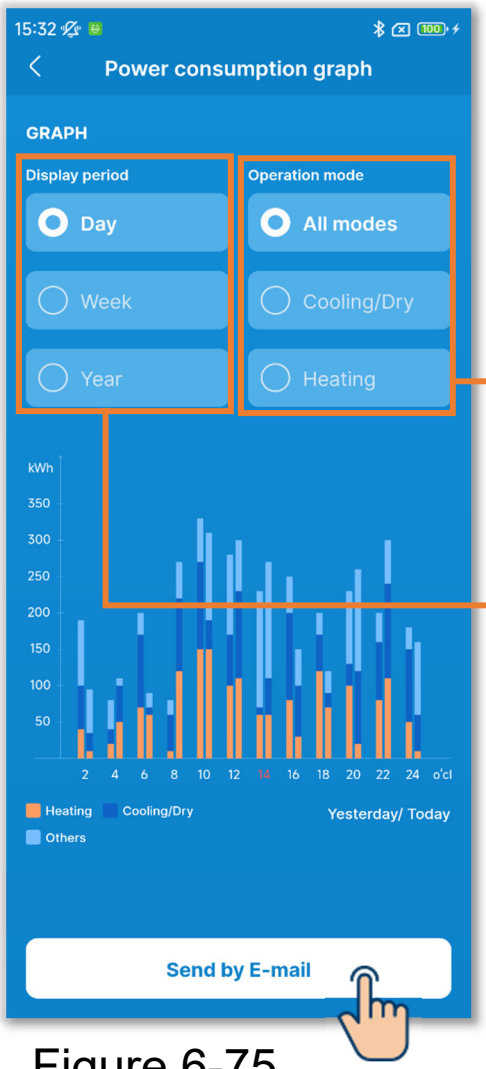


Figure 6-75

②Touch the period for which you want to check the power consumption and the operation mode.

You can display it in each operation mode. (All modes, Cooling/Dry, and Heating)

Change between daily, weekly, and yearly.

The right graphs shows the current data (today/this week/this year), and the left graphs shows the past data (yesterday/last week/last year).

③To send the power consumption graph data by e-mail, touch the "Send by E-mail" button.

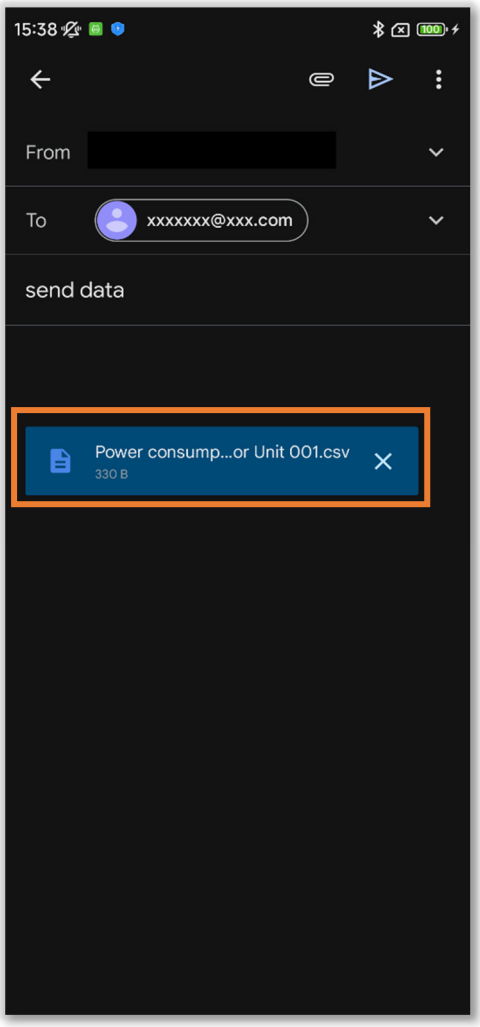


Figure 6-76

④The e-mail application starts, and the selected setting data is attached in the csv file format.

If yo u have set an e-mail address in Account Settings (→Section 2.3.3), the set e-mail address is entered in the To field.

6.2. Mode 2

6.2.1. Useful functions

Touch the "Useful functions" tab.

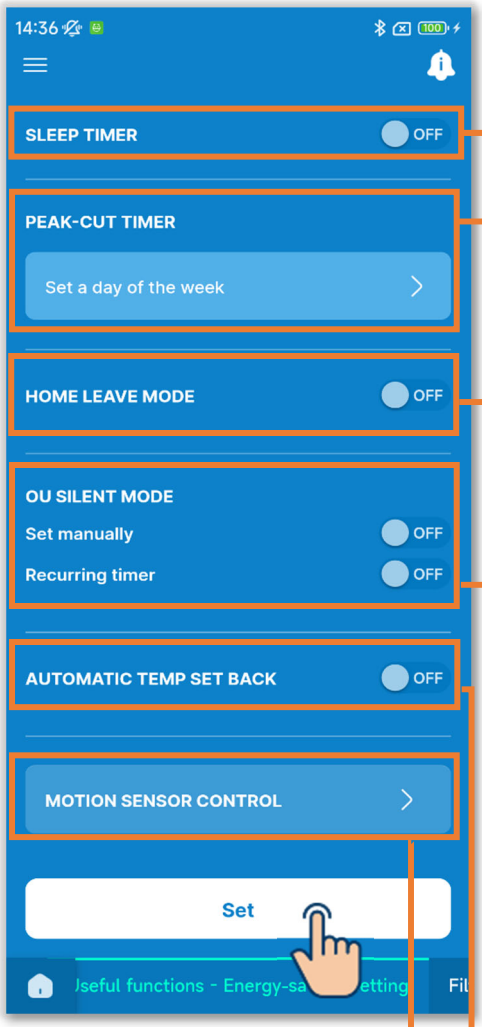


Figure 6-77

Sleep timer:
Automatically stop the operation from the start of the operation.

Peak-cut timer:
Set the operation that limits the power.

Home leave mode:
Maintain the temp to prevent it from becoming too hot or cold when you leave your home.

OU Silent mode:
Operation prioritizing silence of the OU.

Automatic temp set back:
Return to the set temp after the set time has passed.

Motion sensor control:
Set the power control and auto-off.

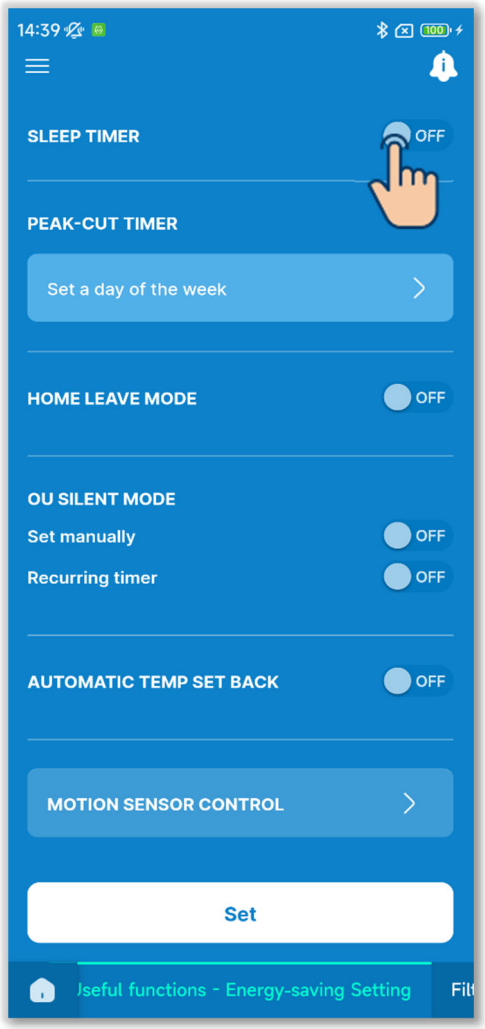


Figure 6-78

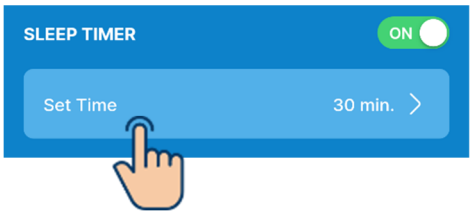
① Set the sleep timer.

Stop the operation every time after the set time has passed from the start of the operation.

Touch the toggle to switch ON or OFF the sleep timer.

If you turn ON the timer, set the desired time.

- Touch "Set time."



- Select the time and touch the "Select" button.

You can select the time in the range of 30 minutes to 240 minutes with an increment of 10 minutes.

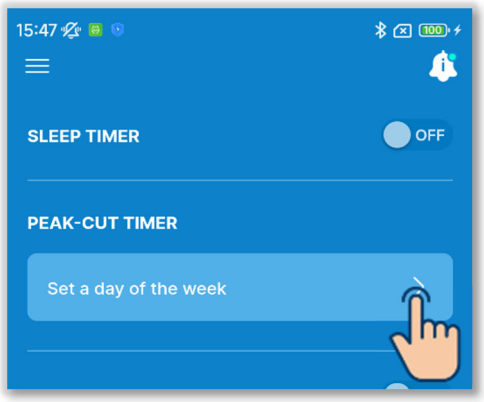


Figure 6-79

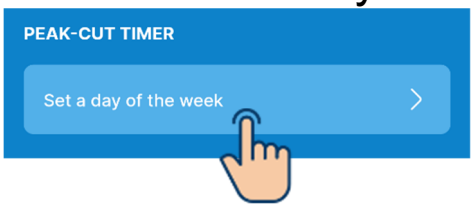
②Set the peak-cut timer.

Set the start time and end time for the operation that limits the upper limit of power

Touch the toggle to switch ON or OFF the peak-cut timer.

If you turn ON the timer, set four timer operations for each day of the week. When you enable the function, the timer runs every week. You can set the peak-cut timer only with the main R/C.

- Touch "Set a day of the week."



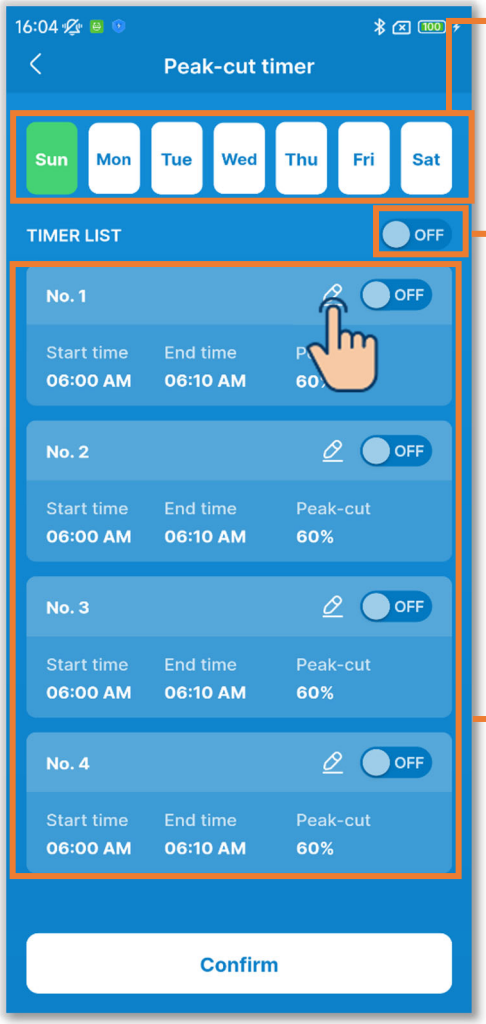


Figure 6-80

Day of the week:

Select the day of the week to set.

Color of the icon

Green	Day of the week displayed in the timer list
White	Day of the week on which at least one timer setting is ON
Blue	Day of the week in which all timer settings are OFF

Day of week bulk ON/OFF toggle:

Turn ON or OFF all timers on the day of the week displayed.

Timer list:

Displays the timers on the selected day of the week. You can touch the toggle to switch ON or OFF each timer setting.

Touch the button to change the settings of each timer.

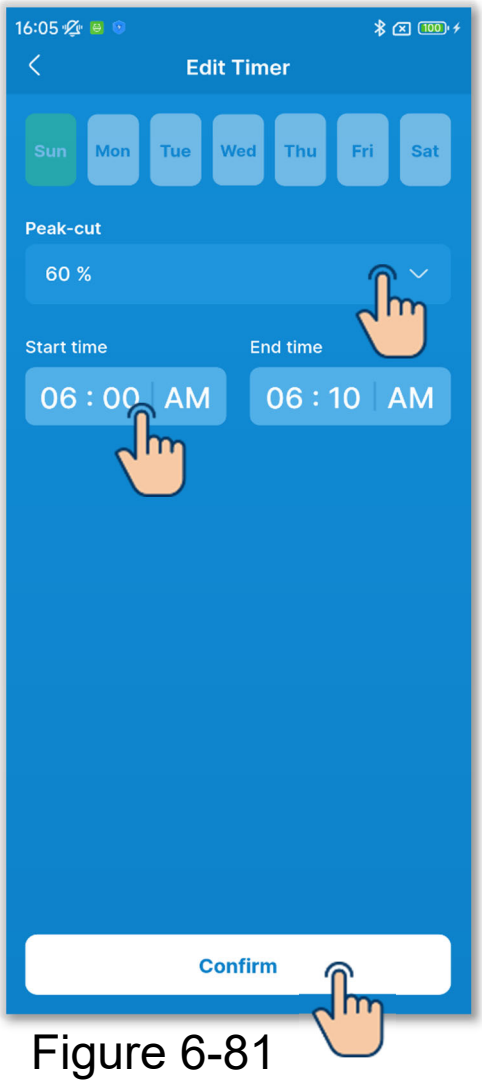


Figure 6-81

To change the timer settings, set the following.

Peak-cut:

Set 0%, 40%, 60%, or 80%. The lower the peak-cut value, the lower the upper limit of air conditioner power.

Start time:

Set the time with an increment of 10 minutes.

End time:

Set the time with an increment of 10 minutes.

Touch the "Confirm" button.

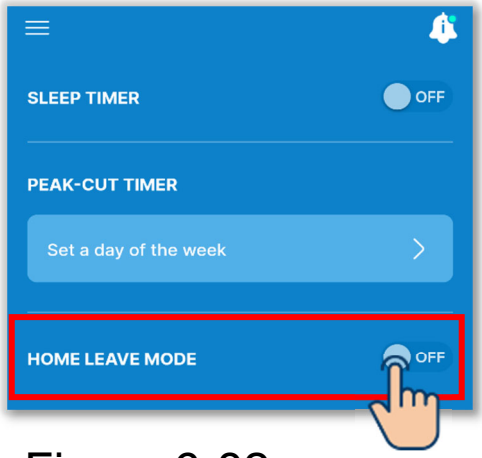


Figure 6-82

③Set the home leave mode.

The temp can be maintained to prevent it from becoming too hot or cold when you leave your home.

- The cooling and heating modes are switched according to the outdoor temp.
- You can set the set temp and fan speed.
- You can set them only with the main R/C.

Touch the toggle to switch ON or OFF the home leave mode.

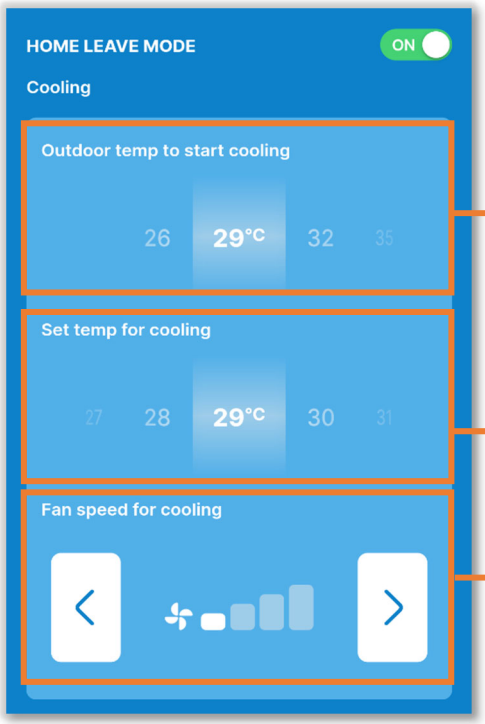
If you turn ON the mode, set the following settings.

Cooling start temp/Set temp for cooling/Fan speed for cooling/ Heating start temp/Set temp for heating/Fan speed for heating

CAUTION

Even if the home leave mode is switched off by the application, it will be disabled if the mode is set by the central control equipment.

The home leave mode setting will be disabled by the run/stop switch on the A/C or the set temp and the operation mode change operations (→Section 6.1.1.1).



Cooling start temp:

Select the outdoor temp to start the cooling operation from the range of 26 to 35°C. (With an increment of 3°C)

Set temp for cooling:

Select the temp from the range of 26 to 33°C. (With an increment of 1°C)

Fan speed for cooling:

Select the fan speed from the settable fan speeds other than auto.

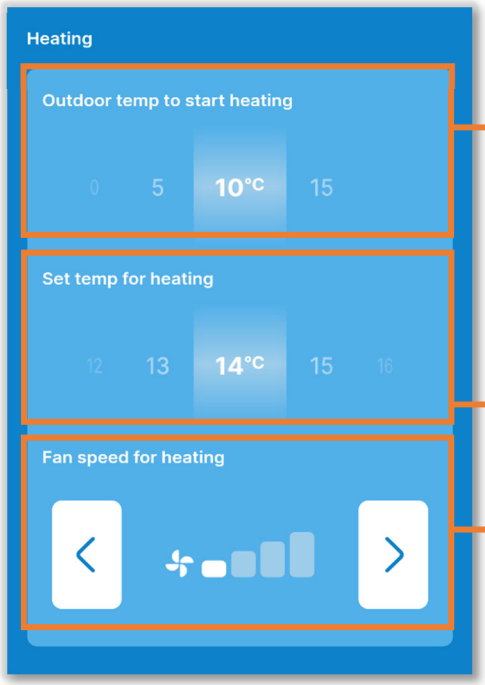


Figure 6-83

Heating start temp:

Select the outdoor temp to start the heating operation from the range of 0 to 15°C. (With an increment of 5°C)

Set temp for heating:

Select the temp from the range of 10 to 18°C. (With an increment of 1°)

Fan speed for heating:

Select the fan speed from the settable fan speeds other than auto.

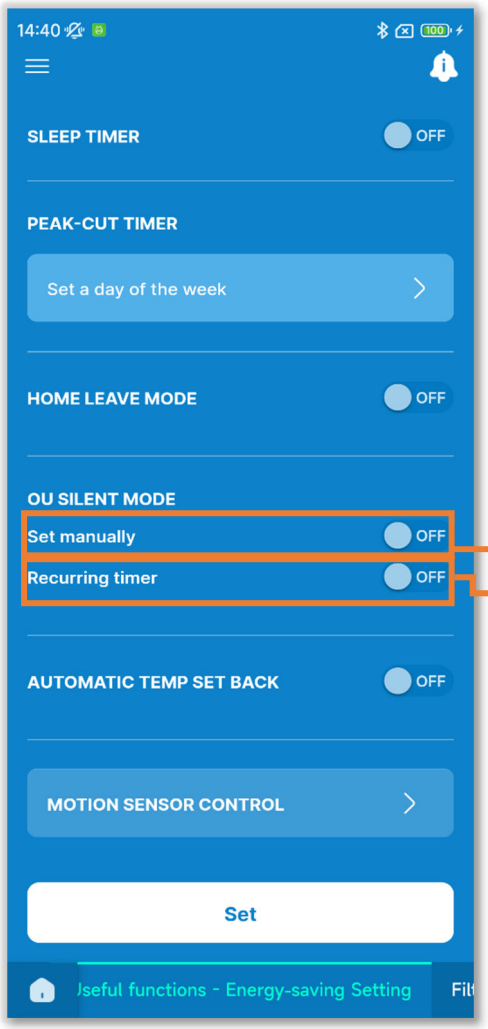


Figure 6-84

④Set the OU silent mode.

Control prioritizing the silence of the OU. You can set the start/stop of OU silent mode and set the timer.
You can set them only with the main R/C.

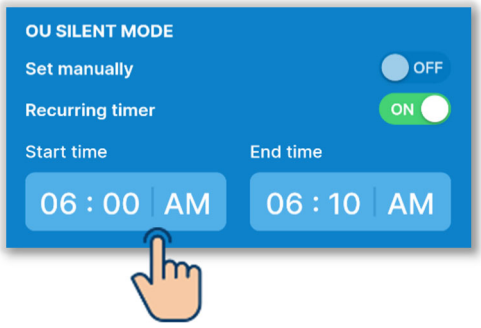
Start/stop:

Select the desired operation.

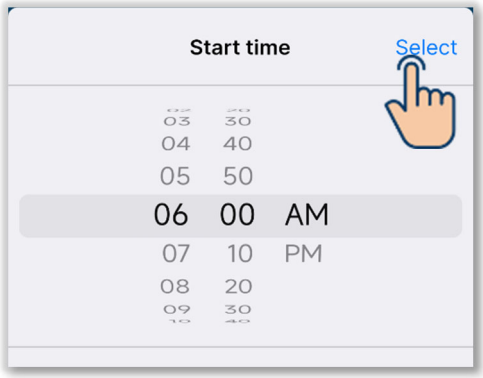
Recurring timer:

Turn ON the setting to repeat the start/stop of silent operation at the same time every day.

- Touch this to change the start/stop time.



- Select the time and touch the "Select" button.



CAUTION

- This operation selects ON or OFF of the OU silent operation and does not start the operation if A/C is stopped even if you turn ON the setting.
- Maximum capacity operation cannot be performed in OU silent control mode.

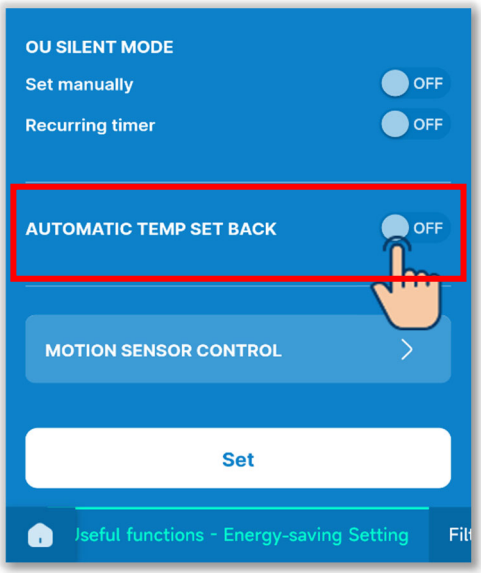


Figure 6-85

⑤Set the automatic temp set back.
Return to the set temp after the set time has passed.

Touch the toggle to switch ON or OFF the automatic temp set back.

If you turn ON the mode, set the following settings.

Set back time in cooling mode/Set temp after set back in cooling mode/Set back time in heating mode/Set temp after set back in heating mode

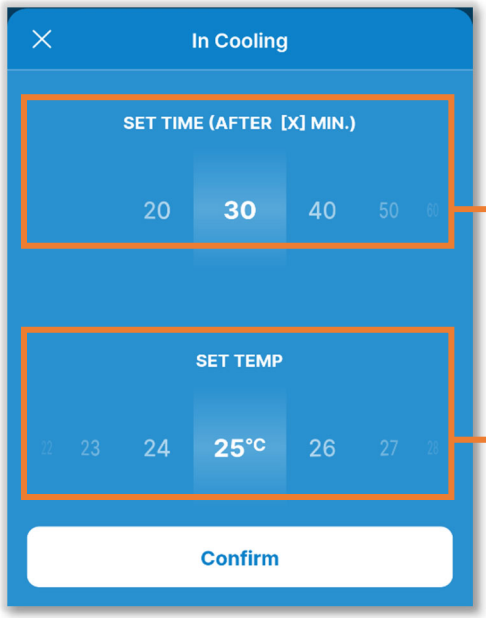


Figure 6-86

Set back time in cooling mode:

Select the time to set back to the set temp in cooling mode from the range of 20 to 120 minutes. (With an increment of 10 minutes)

Set temp after set back in cooling mode:

Set the temp from the range you set in the setting of the setting temp range (→Section 6.2.3). (With an increment of 1°C)

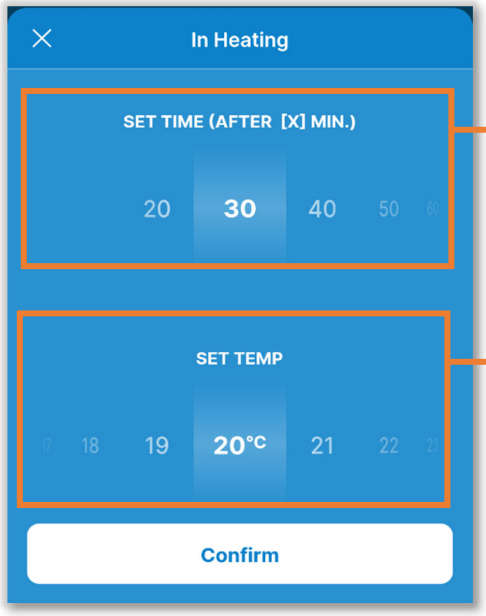


Figure 6-87

Set back time in heating mode:

Select the time to set back to the set temp in heating mode from the range of 20 to 120 minutes. (With an increment of 10 minutes)

Set temp after set back in heating mode:

Select the temp from the range you set in the setting of the setting temp range (→Section 6.2.3) (With an increment of 1°C)

⑥Set the motion sensor control.

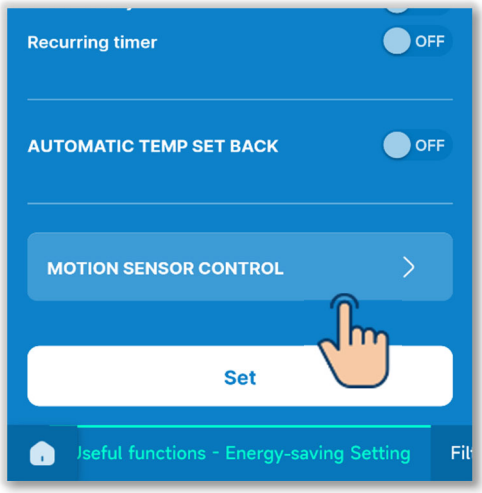
Determine the presence or absence of people and the amount of human activity by motion sensor, and perform various controls (such as power control and auto-off control).

- You can set this function only when you are using an IU with a motion sensor.
- You can set them only with the main R/C.

CAUTION

Even if you set the detail settings of the motion sensor, the motion sensor does not run if you do not turn ON the motion sensor setting. Check that the motion sensor setting is turned ON. (→Section 6.3.1)

Even if you can turn ON the motion sensor setting, the motion sensor does not run if your unit does not employ a motion sensor.



Touch "Motion sensor control."

Figure 6-88

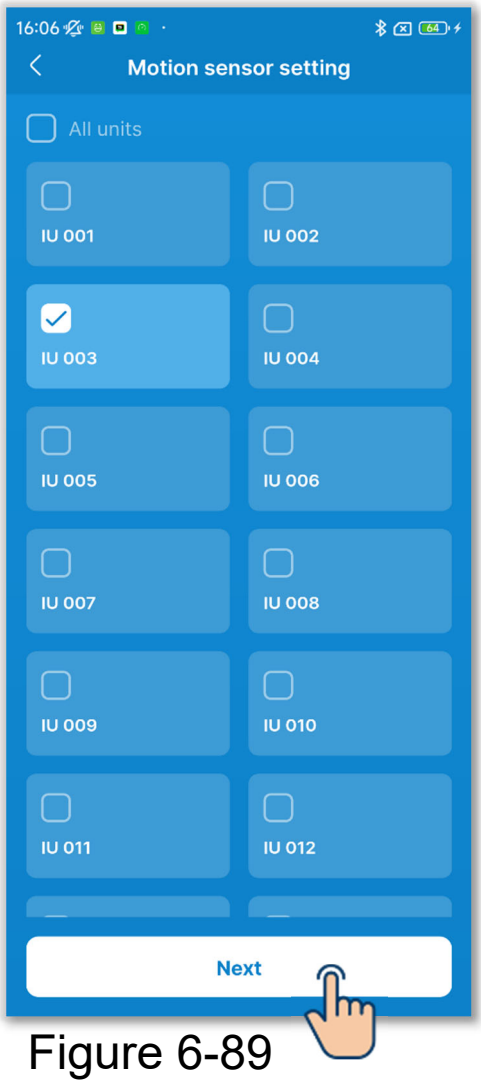


Figure 6-89

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

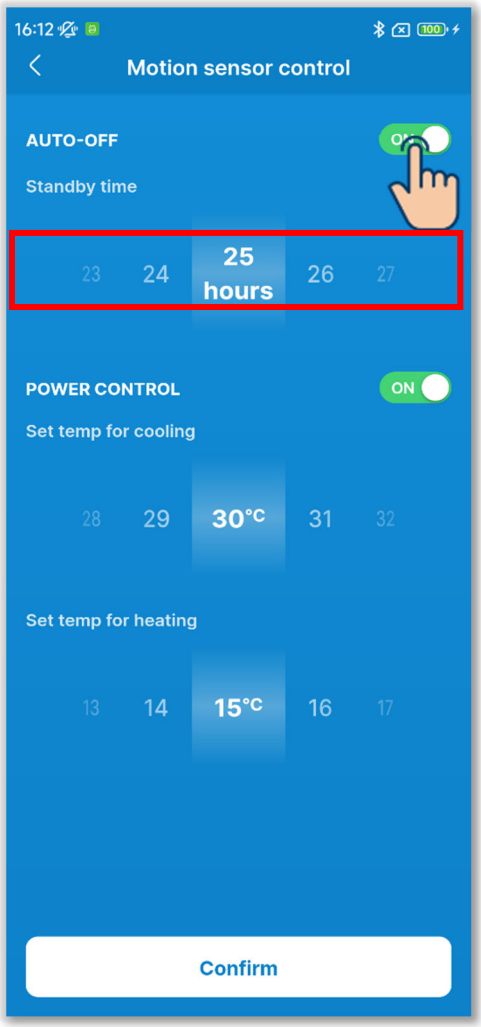


Figure 6-90

Touch the toggle to turn ON or OFF Auto-off.

If you turn it ON, set the standby time in the range of 1 to 50 hours. (With an increment of 1 hour)

If you turn ON Auto-off control, the absence of people is determined by the amount of activity and A/C goes into the "standby" state when one hour has passed.
If the set standby time has passed since going into the "standby" state, A/C stops completely.

CAUTION

In the "standby" state, A/C is stopped, but when a person returns, it restarts. If it stops completely, it does not restart even if a person returns. To restart the operation, perform the run/stop switch operation (→Section 6.1.1.1).

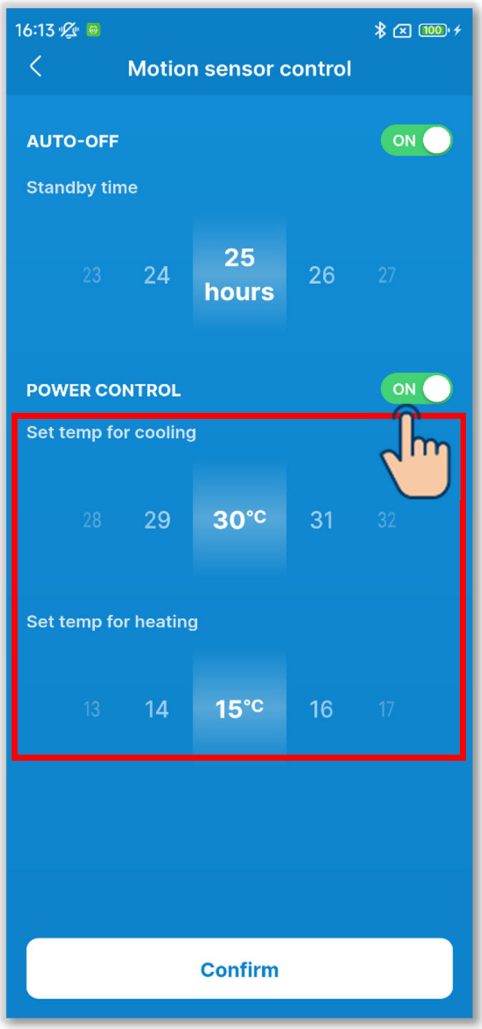


Figure 6-91

Touch the toggle to switch ON or OFF the power control.

If you turn it ON, set the set temp in cooling mode/set temp in heating mode in the following range. (With an increment of 1°C)

Cooling mode: 25 to 35°C
Heating mode: 10 to 20°C

If you turn ON the power control, the set temp is changed to suppress the power of A/C if a low activity state continues.

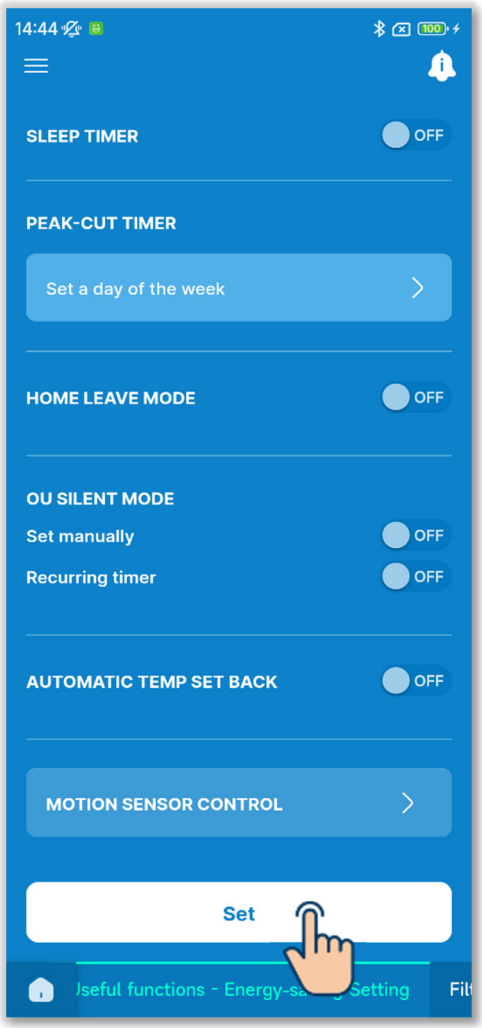


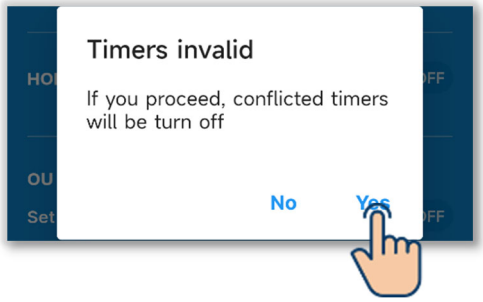
Figure 6-92

⑦Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ① to ⑥ are not transmitted to the R/C. Do not forget to touch it.

If you turn ON the sleep timer, turn OFF the timers that cannot be used together with the sleep timer (→Section 6.1.1.7). A confirmation popup appears. Touch "Yes."



6.2.2. Filter

Set the filter sign setting.

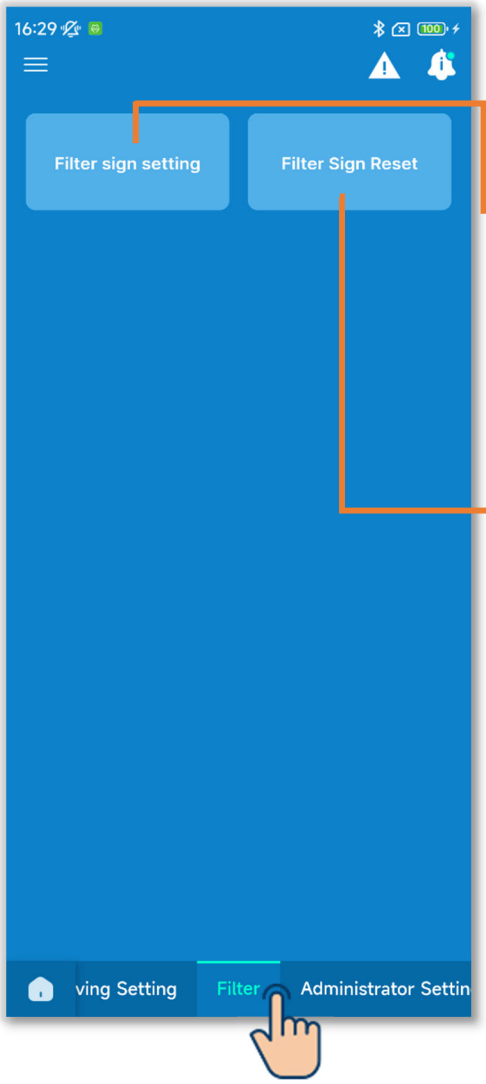


Figure 6-93

Touch the "Filter" tab.

Filter sign setting:

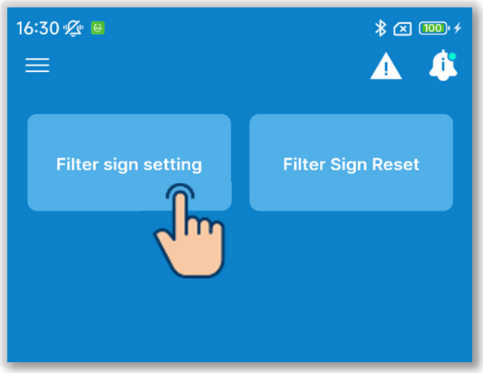
Set the date or timing to light up the filter cleaning time icon.

Filter sign reset:

You can reset the operation time camulated for lighting up the filter cleaning time icon. After you clean the filter, you must reset the operation time.

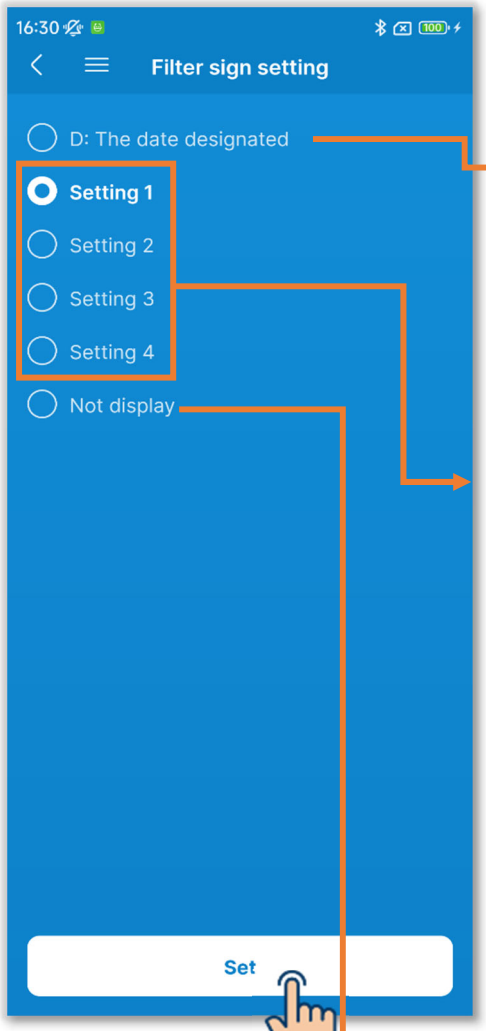
CAUTION

If you turn off the icon by switching the toggle on the information screen (→Section 5), the filter sign reset operation is not needed.



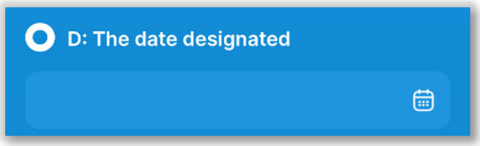
①Touch the "Filter sign setting" button.

Figure 6-94



②Select the filter sign setting and touch the "Set" button.

The date designated:
Set the desired date.



Setting1: Lights up when the accumulated operation hours reach 180 hours.
Setting2: Lights up when the accumulated operation hours reach 600 hours.
Setting3: Lights up when the accumulated operation hours reach 1,000 hours.
Setting4: Lights up and A/C stops when the accumulated operation hours reach 1,000 hours.

Figure 6-95

The filter cleaning time icon does not light up.

CAUTION

If you set the date, the filter cleaning time icon lights up when the date becomes that date. When the icon lights up, the date setting is canceled and any of settings 1 to 4 or "Not display" is set.

If you operate loading data from R/C (→Section 3.1.4) during setting the filter sign setting, the setting of the IU with the youngest address will be displayed.

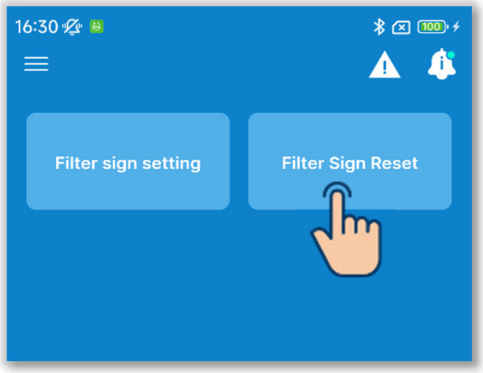


Figure 6-96

③Touch the “Filter sign reset” button. You can reset the operation time camulated for lighting up the filter cleaning time icon.

A confirmation popup appears. Touch "Yes" to reset.

6.2.3. Administrator settings/unit settings

Set the R/C-related administrator settings.

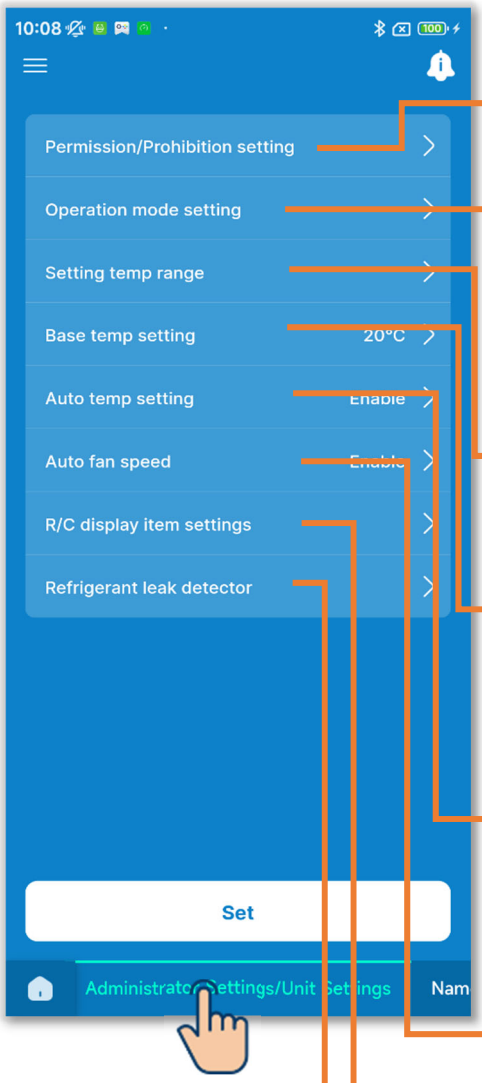


Figure 6-97

Touch the "Administrator Settings" tab.

Permission/Prohibition setting:
Set the permission/prohibition of operation.

Operation mode setting:
Limit the operation modes.

Setting temp range:
Limit the setting temp range.

Base temp setting:
Set the center temp when displaying the set temp in the +/- display format.

Auto temp setting:
Enable or disable the auto temp setting system.

Auto fan speed:
Enable or disable the auto fan speed.

R/C display item settings:
Set whether or not to show or hide the items on the R/C screen.

Refrigerant leak detector setting:
Set each item of refrigerant leak detector.

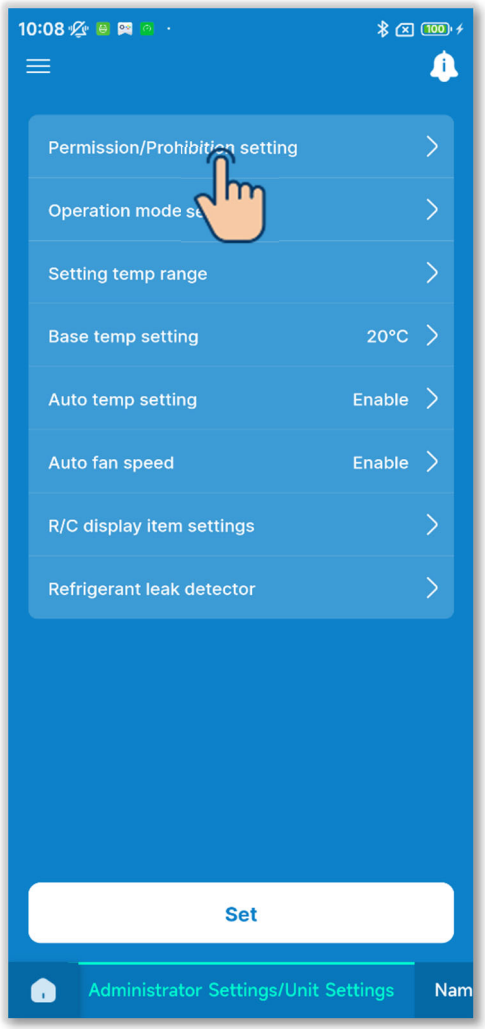
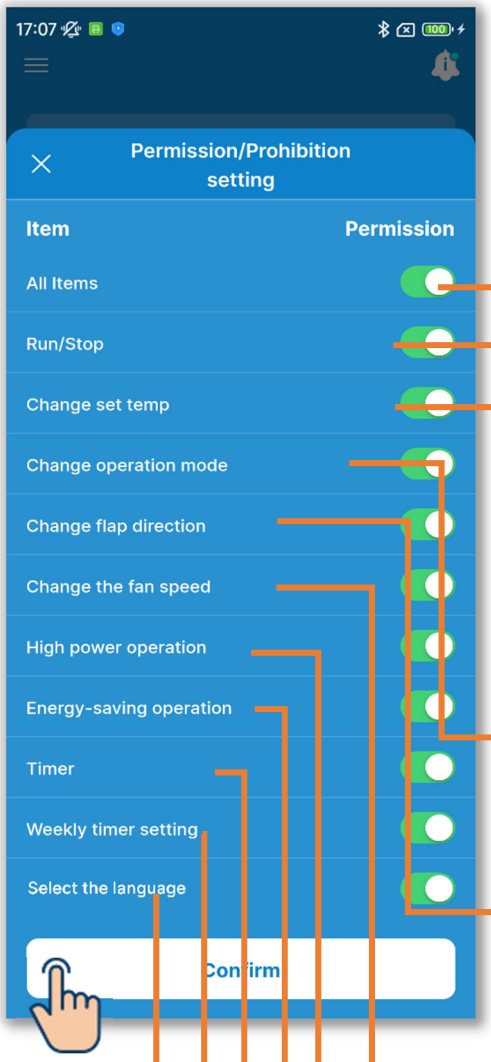


Figure 6-98

①Set the operation permission/prohibition setting.

If you enable a permission, you can perform the permitted operation on the R/C and in the application.
If you enable a prohibition, you cannot perform the prohibited operation on the R/C and in the application.

Touch "Permission/Prohibition setting."



Touch the toggle to switch between permission and prohibition of each function, and touch the "Confirm" button.

All items:
Switch between permission and prohibition of all functions.

Run/Stop (→Section 6.1.1.1)

Change set temp (→Section 6.1.1.2)

Change operation mode (→Section 6.1.1.3)

Change flap direction (→Section 6.1.1.5)

Change fan speed (→Section 6.1.1.4)

High power operation (→Section 6.1.1.6)

Energy-saving operation (→Section 6.1.1.6)

Timer (→Section 6.1.1.7)

Weekly timer (→Section 6.1.1.7)

Select the language (→Section 6.1.3)

Figure 6-99

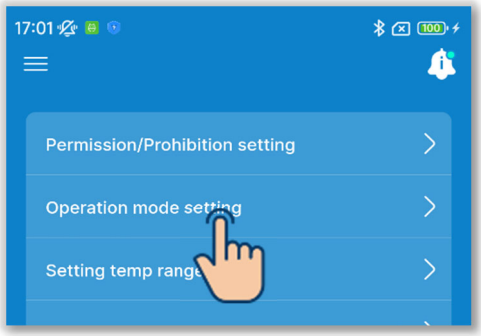


Figure 6-100

②Set the operation mode.

You can enable or disable each operation mode.

Touch "Operation mode setting."

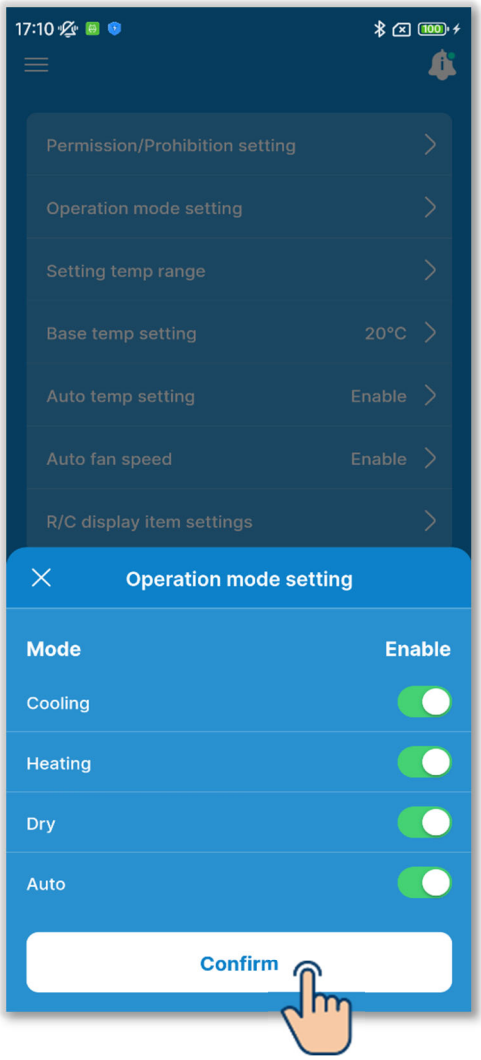


Figure 6-101

Touch the toggle to enable or disable the operation mode, and touch the "Confirm" button.

If you disable cooling or heating, auto is also disabled.

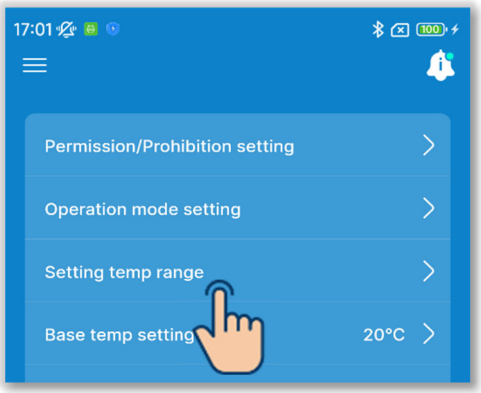


Figure 6-102

③Set the setting temp range.

Limit the selection range for the set temp during cooling or heating operation.

Touch "Setting temp range."

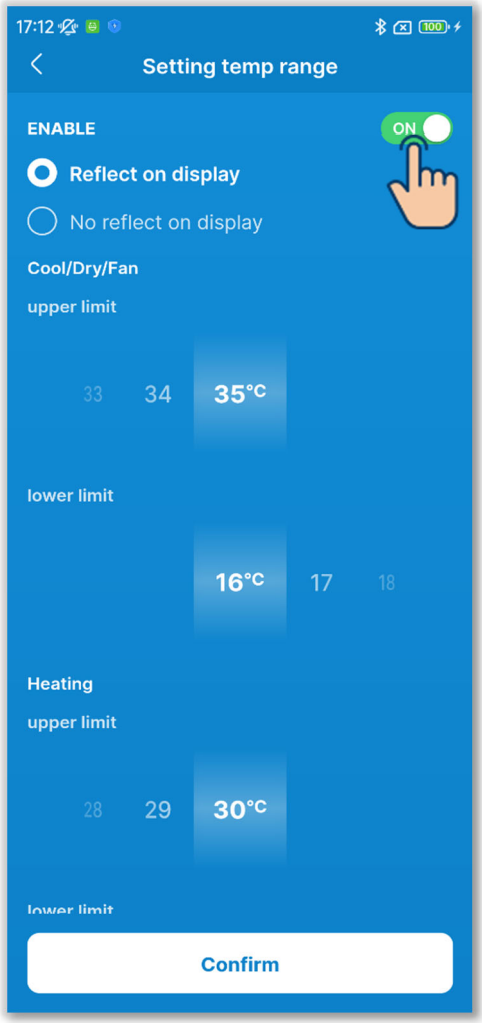


Figure 6-103

Touch the toggle to enable or disable the setting for the setting temp range.

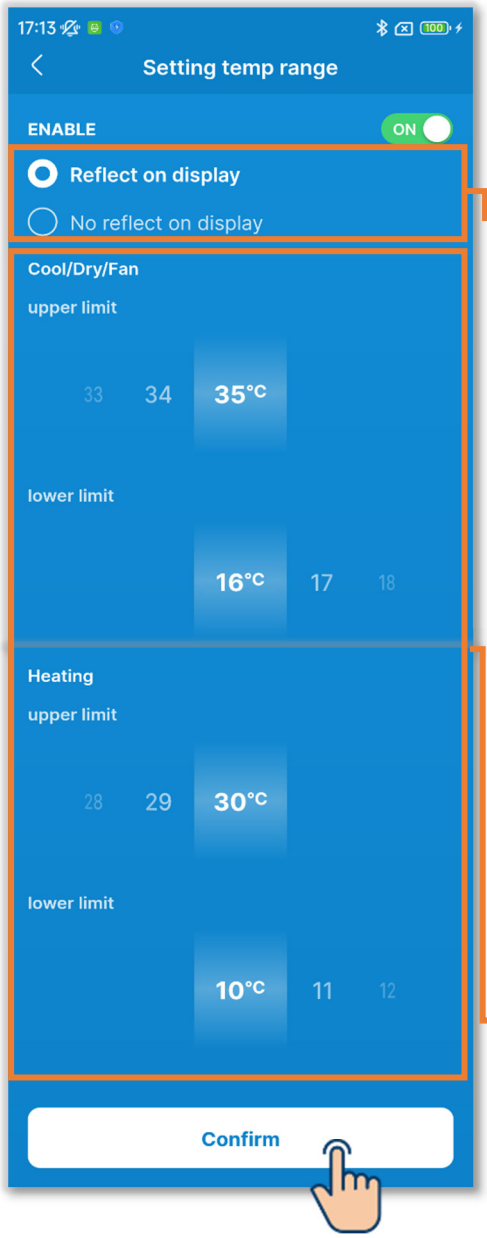


Figure 6-104

If you enable the setting, set the display setting and the setting temp range.

Display setting:

Select whether or not to apply the setting to the set temp display.

- ✓ If you select to apply the setting, the set temp display is also limited to within the set temp range.
- ✓ If you select not to apply the setting, the A/C's control is limited to within the set temp range, but the set temp display can be operated even outside the set temp range.

Select the set temp range (upper/lower limits) during cooling operation/heating operation.

You can set the values in the following ranges.

	Lower limit value	Upper limit value
Cooling*1	16 to 28°C	30 to 35°C
Heating	10 to 22°C	22 to 30°C

*1: Including during dry/fan/auto operations.

Notification

It is not economical to make the room too cold during cooling operation and too hot during heating operation. It is recommended to set the set temp range higher during cooling and lower during heating.

CAUTION

If you enable the setting for the set temp range with plural R/Cs connected, be sure to select to apply the setting to the set temp display. If you select not to apply the setting, the set temp display is different between the main and sub R/Cs.

Example: Even if 28°C is displayed on the main R/C, 25°C is displayed on the sub R/C. This is because, if the upper limit of the control range is 25°C, 25°C is transmitted to the sub R/C.

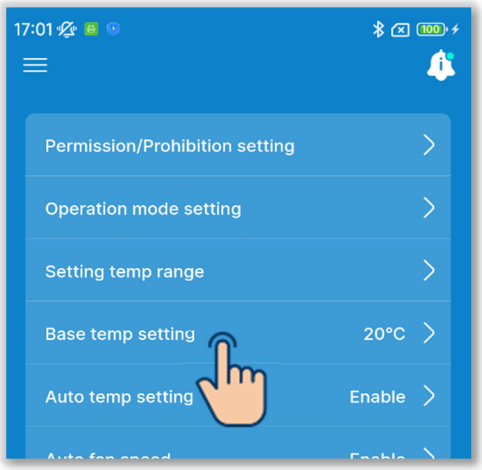


Figure 6-105

④Set the center temp.

Set the base temp when you select to display the set temp in +/- display format (→Section 6.1.1.2).

Touch "Base temp setting."

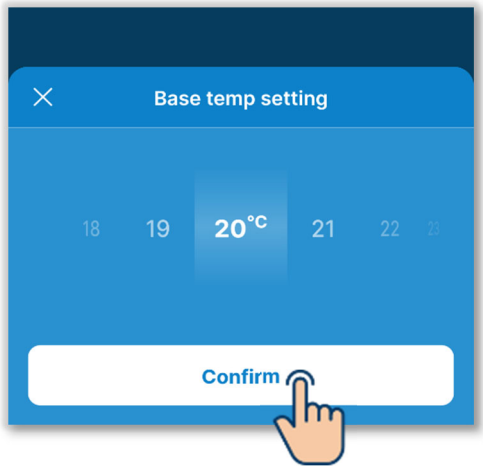


Figure 6-106

Select the base temp from the range of 18 to 30°C (with an increment of 1°C), and touch the "Confirm" button.

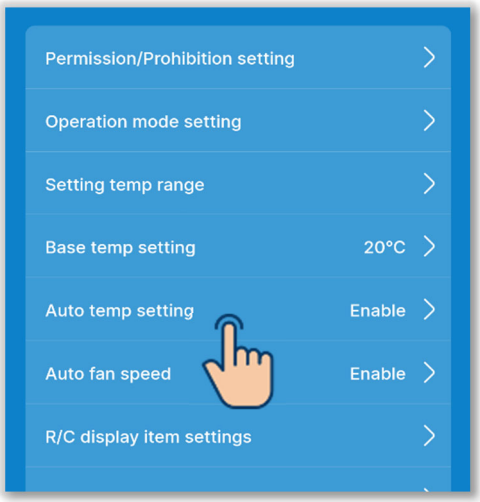


Figure 6-107

⑤Enable or disable the auto temp setting system.

Touch "Auto temp setting."

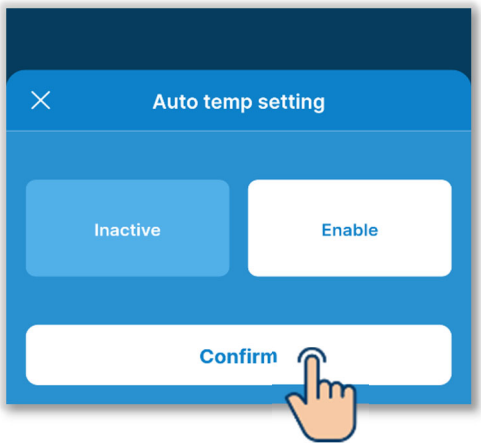


Figure 6-108

Select "Disable" or "Enable," and touch the "Confirm" button.
If you set Enable, you can set the set temp automatically on the operation screen. (→Section 6.1.1.3)

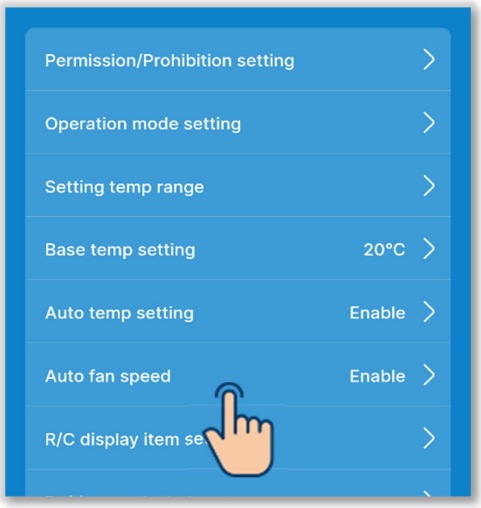


Figure 6-109

⑥Enable or disable the auto fan speed.

Touch "Auto fan speed."

Figure 6-110

Select "Disable" or "Enable," and touch the "Confirm" button.

If you select Enable, you can set the fan speed automatically on the operation screen. (→Section 6.1.1.5)

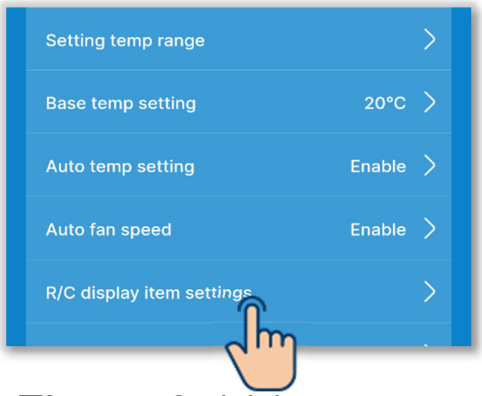


Figure 6-111

⑦Set the R/C display items.

Set whether or not to show or hide the items on the R/C screen.
Touch "R/C display item settings."

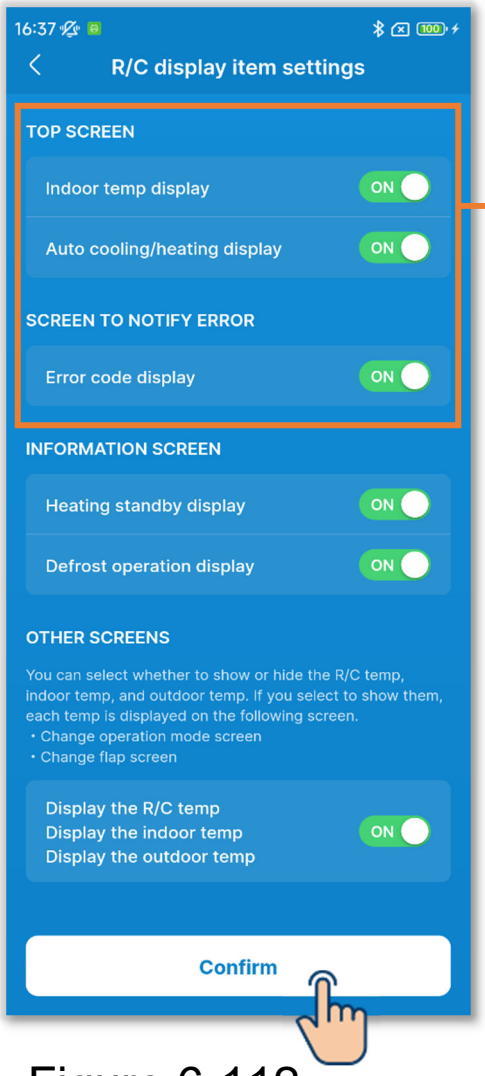


Figure 6-112

Touch the toggle to switch ON or OFF the display of each function, and touch the "Confirm" button.

Top screen

Indoor temp display:

If you turn ON the display, the indoor temp is displayed below the set temp.

Auto cooling/heating display:

If you turn ON the display, the cooling or heating icon lights up next to the auto operation mode icon in auto operation mode.

Error code display:

If you turn ON the display, an error occurred icon lights up if an error is occurring in the A/C.

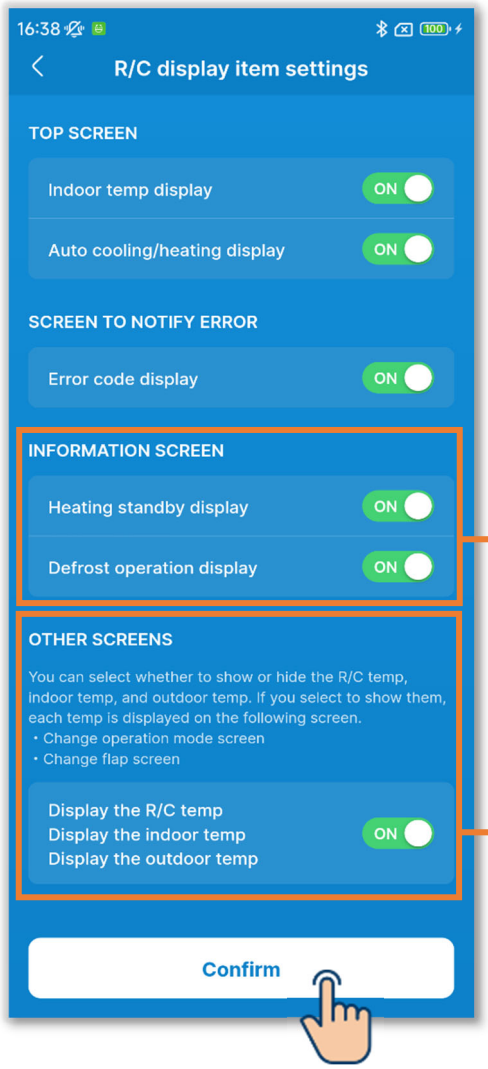


Figure 6-113

Information screen

Heating standby display:

Control the heating standby to prevent col d air from blowing out at the start of the heating operation. If you turn ON the display, the heating standby icon lights up.

Defrost operation display:

Automatically perform the defrost operation control if conditions are conducive to the formation of frost on the OU during heating operation. If you turn ON the display, the defrost operation icon lights up.

Other screens

Display the R/C temp, Display the indoor temp, and Display the outdoor temp:

If you turn ON the display, each temp is displayed on the screen during changing set temp operation and fan speed operation, the change operation mode screen and the change flap direction screen.

CAUTION

Even if you turn OFF the display of an error occurred icon, an error occurred icon lights up if an error code or maintenance code related to the refrigerant sensor is occurring.

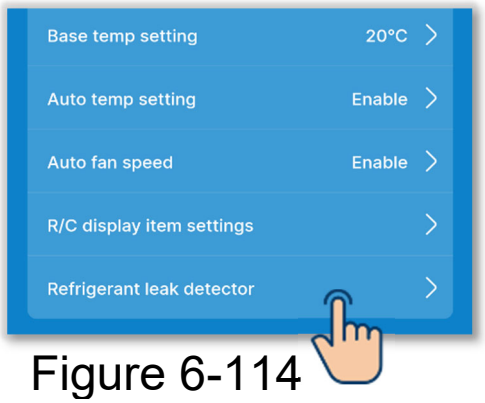


Figure 6-114

⑧Configure the refrigerant leak detector settings.

Touch the " Refrigerant leak detector setting " button.

* You cannot operate this button if a refrigerant leak detector is not connected.

Select the refrigerant leak detector you want to set from the list, and touch the "Next" button.

You can select all units or only one unit.

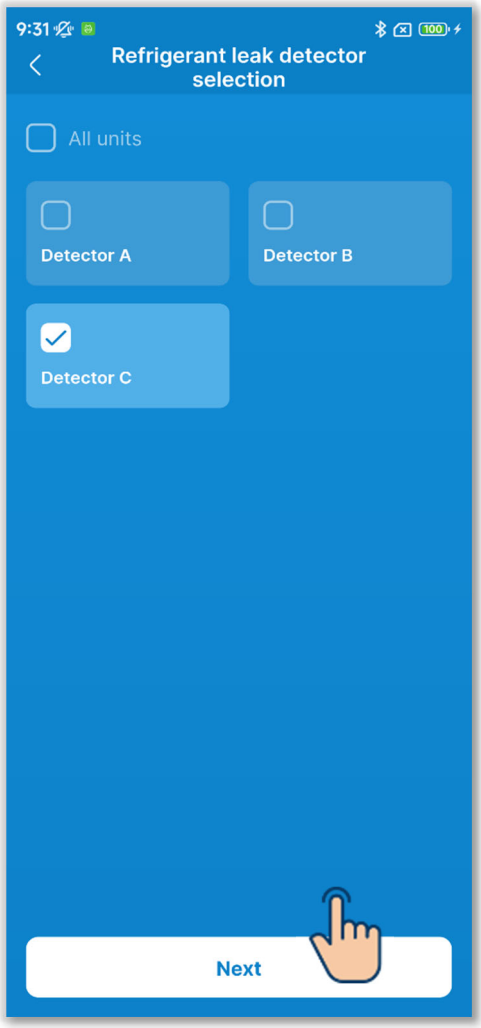


Figure 6-115

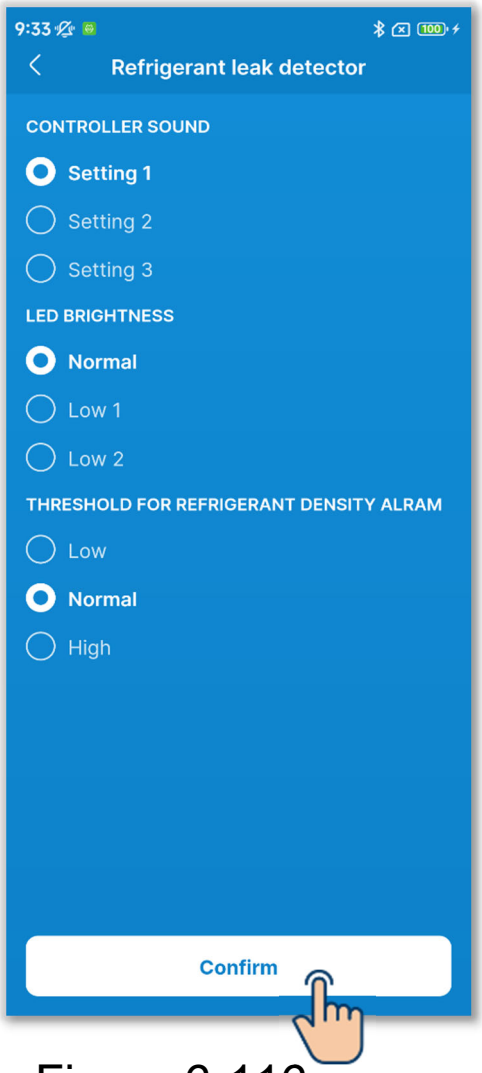


Figure 6-116

Controller sound:

Set the level of alarm sound for refrigerant leak.

Setting1 ... The biggest sound.

Setting2 ... The sound slightly smaller than Setting1.

Setting3 ... The sound smaller than Setting1.

LED brightness:

Set the brightness of Operation light (Green) that turns on in the detector's operation.

Normal ... 100% brightness.

Low 1 ... 75% brightness.

Low 2 ... 50% brightness.

Threshold for refrigerant density alarm:

Set the concentration at which the alarm sound and the flash of Error light (Red) change after refrigerant leakage is detected.

High ... The same level as the concentration when refrigerantleak is detected.

Normal ... The level of concentration is between High and Low.

Low ... The level of concentration close to the lowest concentration that the detector can sense.

After detecting refrigerant leak, the alarm sound and the flash of Error light (Red) change to notify a decrease in the concentration.

The patterns of the alarm sound and Error light (Red) are as follows.

	Alarm sound	Error light (Red)	Operation light (Green)
When refrigerant leak is detected	Continuous	Continuous flash	OFF
When the concentration of refrigerant inside room decreases	Intermittent	5 flashes	OFF

Intermittent sound: Synchronized with flash of Error light(Red).

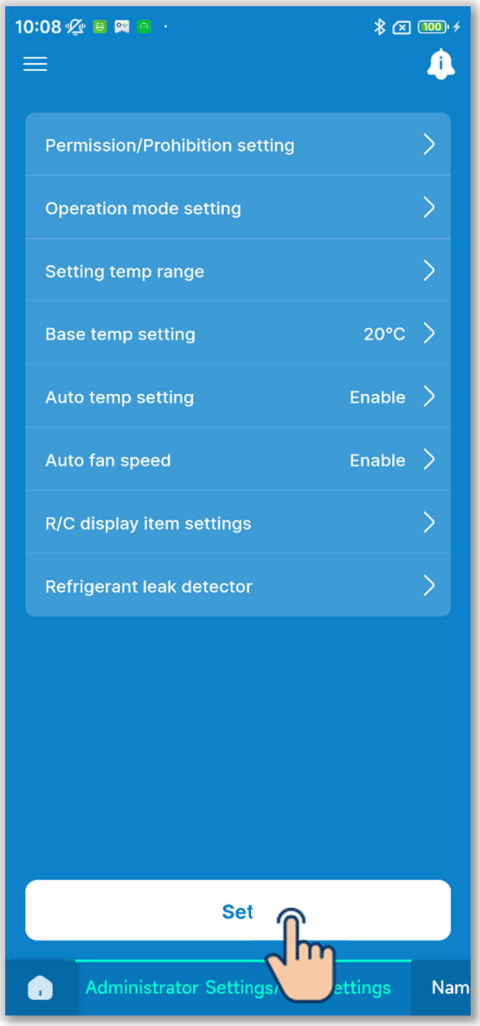


Figure 6-117

⑨Touch the "Set" button.

CAUTION

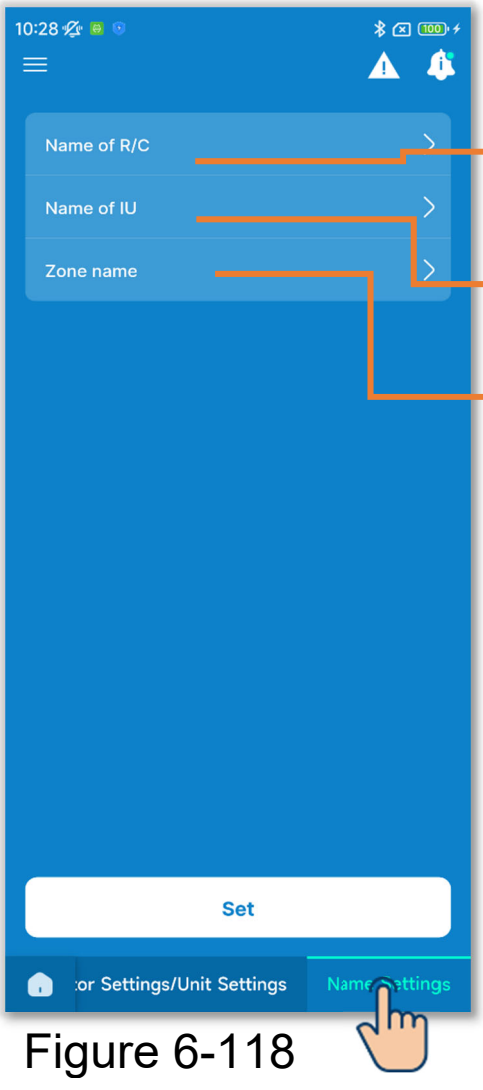
If you do not touch "Set," the contents in ① to ⑧ are not transmitted to the R/C. Do not forget to touch it.

6.2.4. Name settings

Set the unit names. The set unit names are used for the display on each screen of the application.

CAUTION

The set unit names are saved to the application and not transmitted to the R/C. After the unit names have been set, they will not be inherited by another smartphone that is connected to the R/C.



Touch the "Name Settings" tab.

Name of R/C

Name of IU

Zone name

Figure 6-118

Figure 6-119

① Change the R/C name.

Touch "Name of R/C."

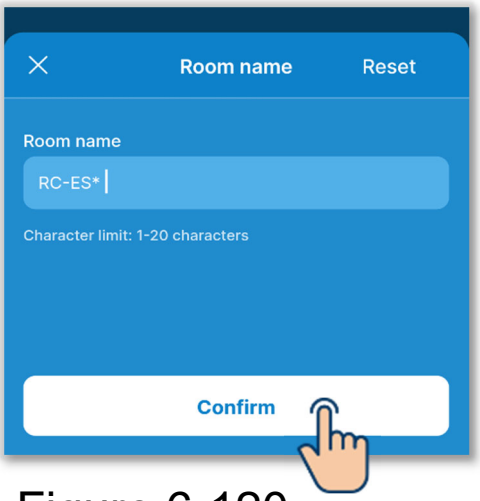


Figure 6-120

Enter the R/C name*1, and touch the "Confirm" button.

*1: You can enter up to 20 characters of your choice.

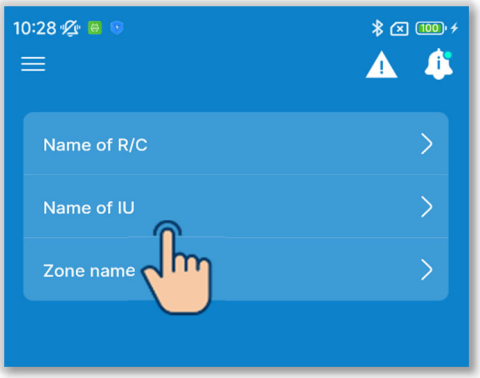


Figure 6-121

② Change the IU name.

Touch "Name of IU."

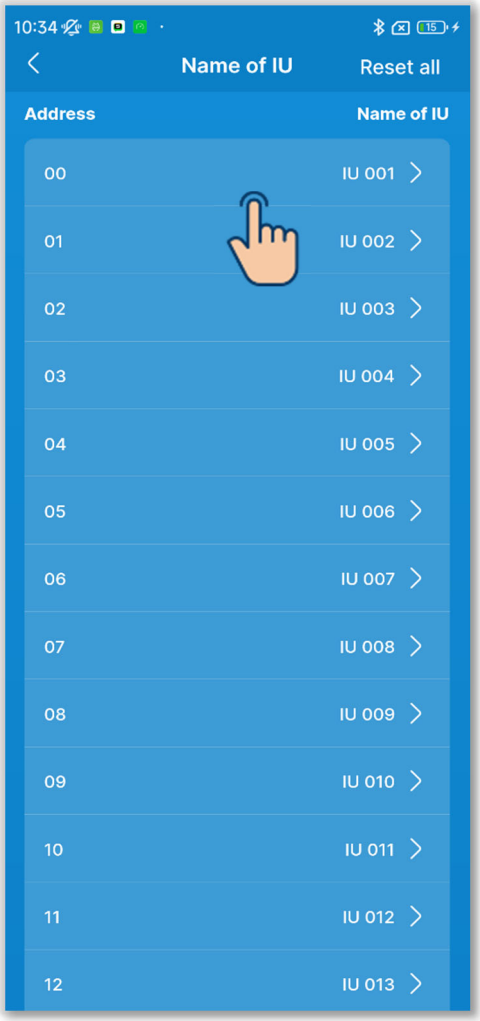


Figure 6-122

Select the IU to rename from the list of IUs.

Figure 6-123

Enter the IU name*1, and touch the "Confirm" button.

*1: You can enter up to 20 characters of your choice.

Figure 6-124

③Change the zone name.

If you connect a duct unit compatible with zone control, you can set the zone name.

Touch "Zone name."

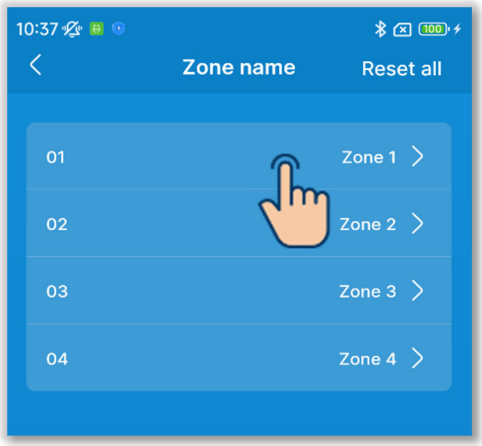


Figure 6-125

Select the zone to rename.

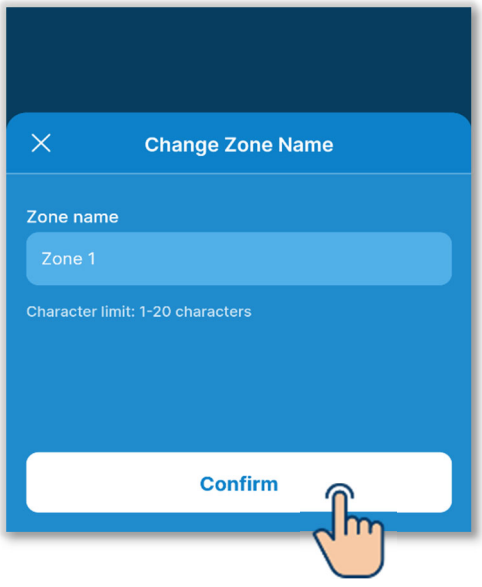


Figure 6-126

Enter the zone name*1, and touch the "Confirm" button.

*1: You can enter up to 20 characters of your choice.

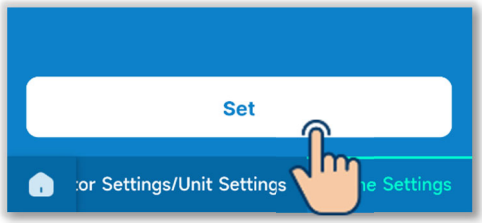


Figure 6-127

④Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ① to ③ are not transmitted to the R/C. Do not forget to touch it.

■ Name reset

Touch "Reset" or "Reset all" on each name settings screen to reset to the initial name.

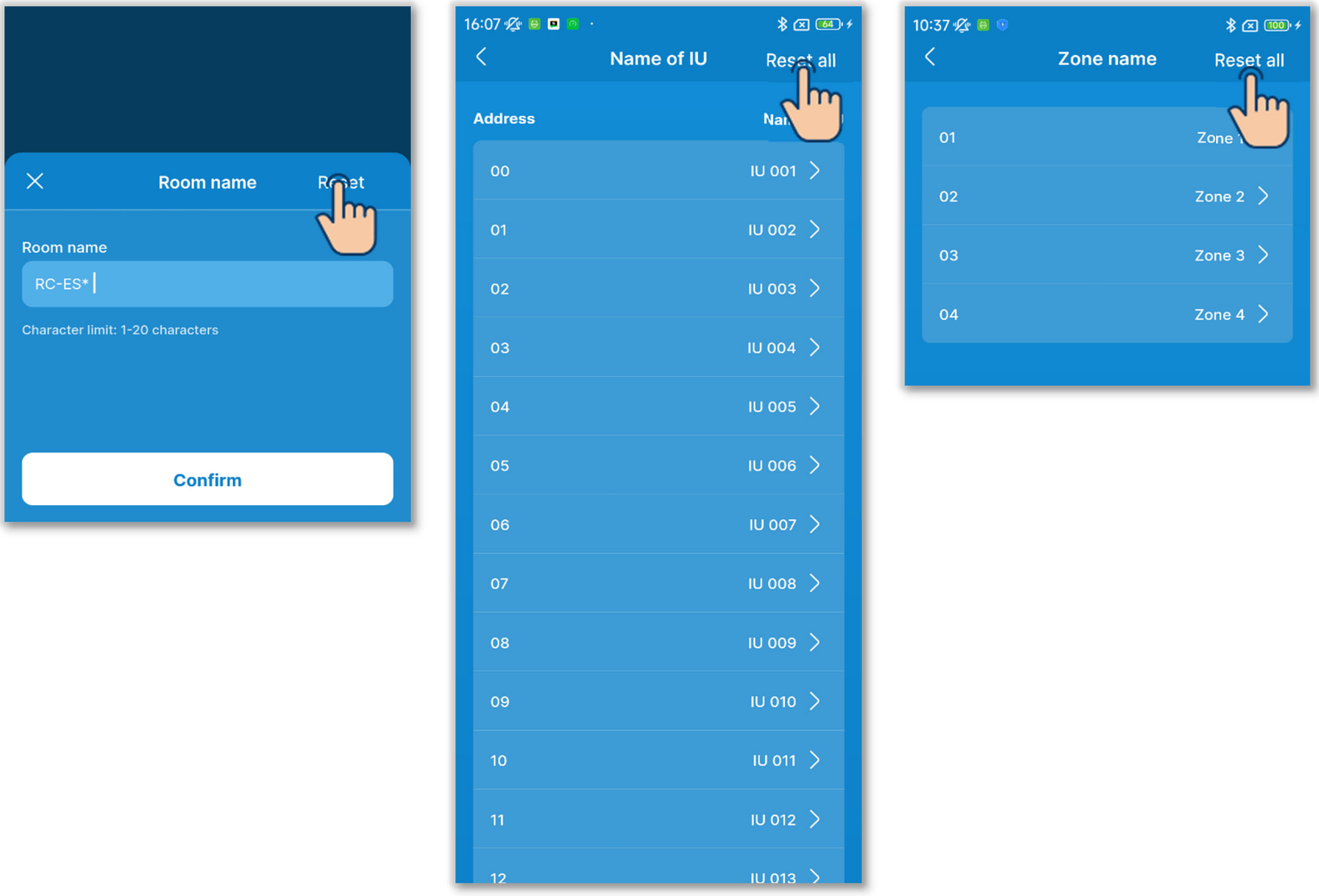


Figure 6-128

6.3. Mode 3

6.3.1. Installation settings

Touch the "Installation settings" tab.

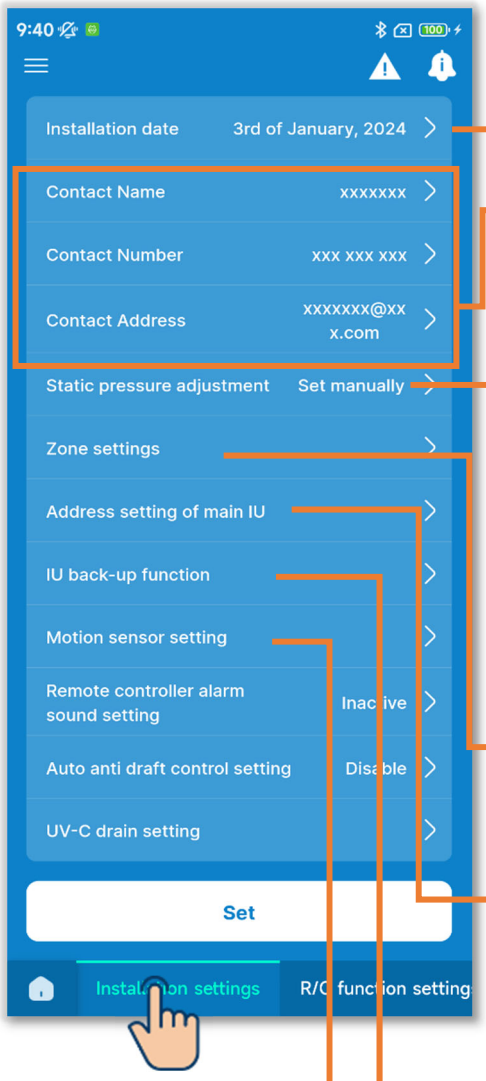


Figure 6-129

Installation date

Contact name/contact number/e-mail address:

Set information used in the contact information (→Section 4.2).

Static pressure adjustment:

Set the static pressure outside the duct unit.

Zone settings:

Enable or disable each zone.

Address setting of main IU:

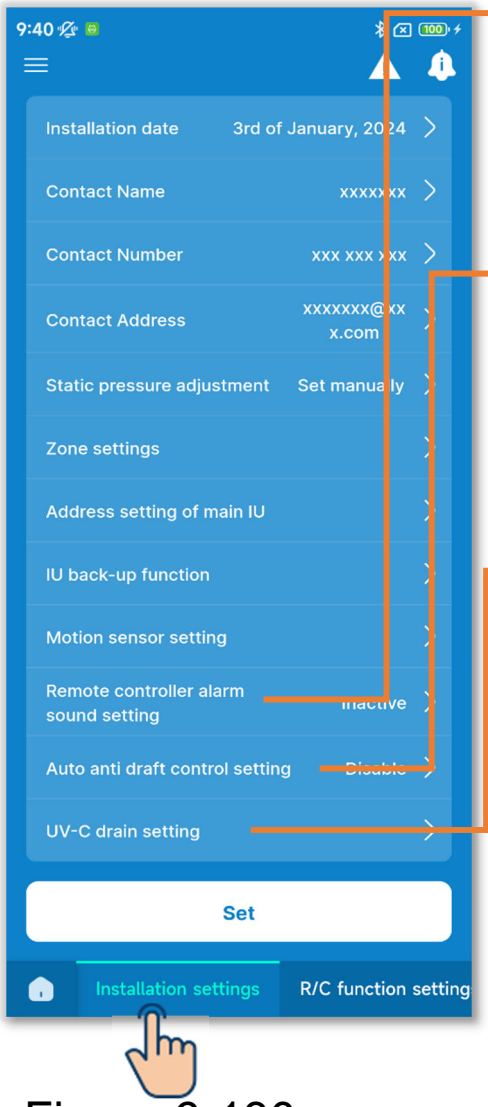
Set the main IU for the individual start/stop Multi series.

IU back-up function:

Set each back-up function.

Motion sensor setting:

Enable or disable the motion sensor connected to the R/C.



Remote controller alarm sound setting:

Set whether to enable or disable the remote controller alarm sound.

Auto anti draft control setting:

Set whether to enable or disable the thermal sensor connected to the R/C.

UV-C drain setting:

Set whether to enable or disable the drain clean (UV-C) connected to the R/C.

Figure 6-130

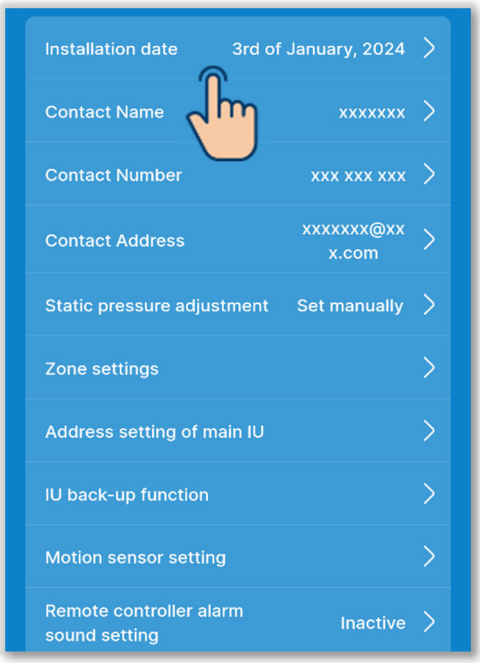


Figure 6-131

①Set the installation date.

Touch "Installation date."

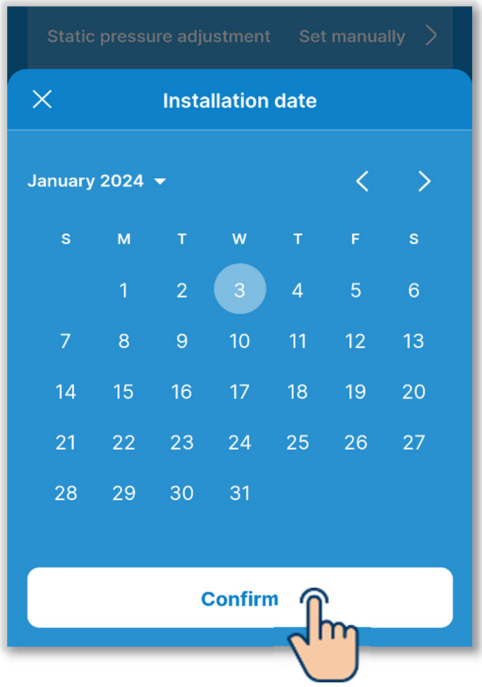


Figure 6-132

Enter the date and touch the "Confirm" button.

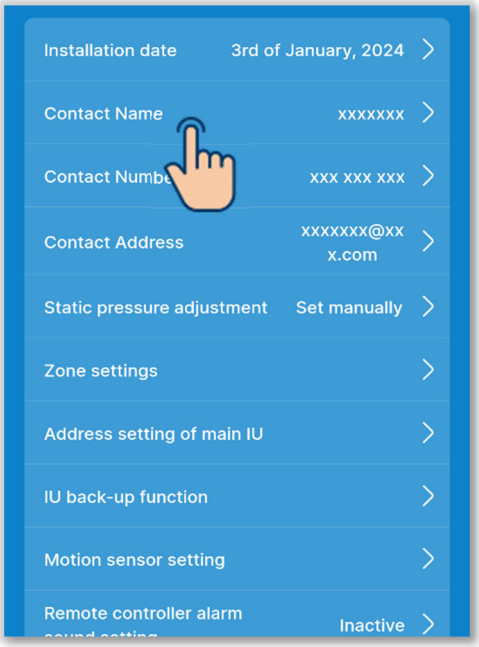


Figure 6-133

②Set the contact name.

Enter the contact information for customers to request service.

Touch "Contact name."

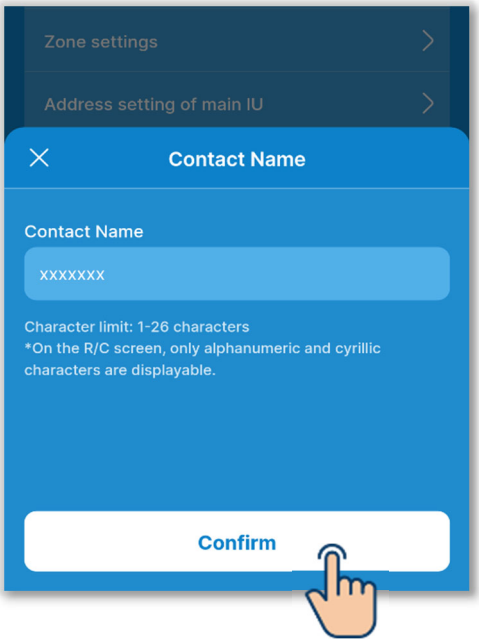


Figure 6-134

Enter the contact name[*1], and touch the "Confirm" button.

*1: You can enter up to 26 single-byte alphanumeric or Cyrillic characters.

CAUTION

You can enter any string, but the R/C can recognize only alphanumeric and Cyrillic characters.

For the contact name display on the R/C and in the application, only a string that can be recognized by the R/C can be displayed. All characters may not be displayed on the R/C due to the limitation to the number of characters.

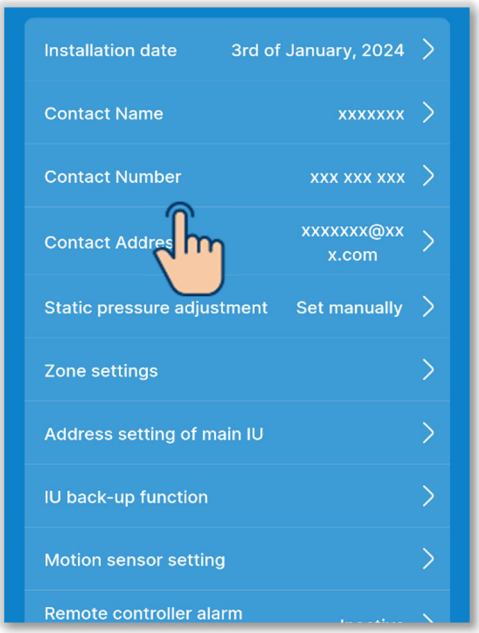


Figure 6-135

③Set the contact number.

Touch "Contact Number."

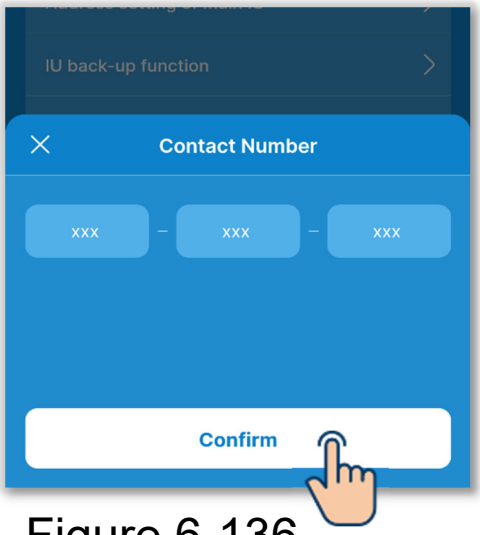


Figure 6-136

Enter the contact number*1, and touch the "Confirm" button.

*1: You can enter a single-byte number that is 2 to 6 digits long in each block.

CAUTION

The R/C can recognize 15 digits. (Including hyphens)

For the contact number display on the R/C and in the application, only the number of digits that can be recognized by the R/C can be displayed.

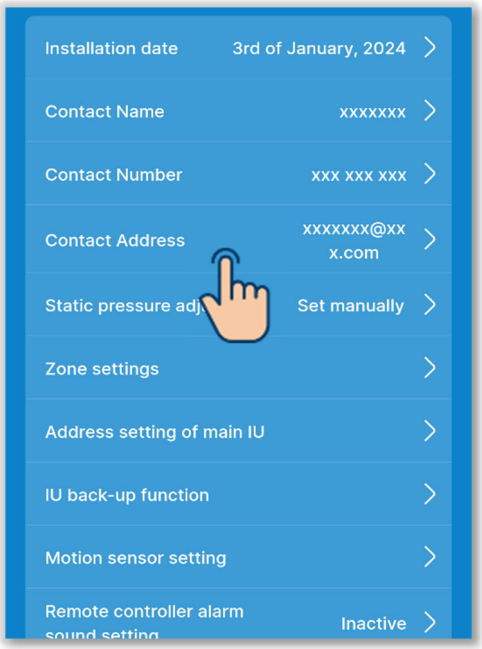


Figure 6-137

④Set the contact e-mail address.

Touch "Contact Address."

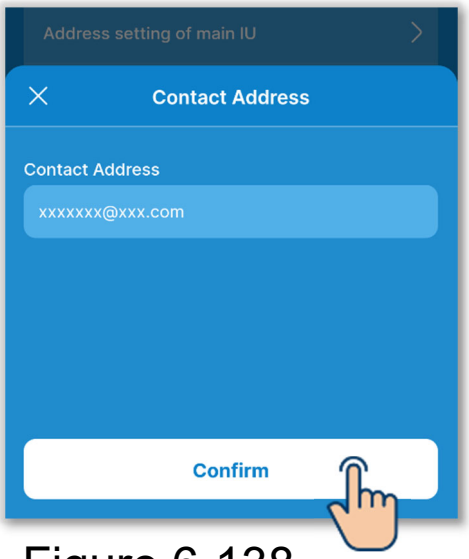


Figure 6-138

Enter the contact e-mail address, and touch the "Confirm" button.

CAUTION

The R/C can recognize 34 characters. (Including symbols)

For the contact e-mail address display in the application, only the number of characters that can be recognized by the R/C can be displayed.

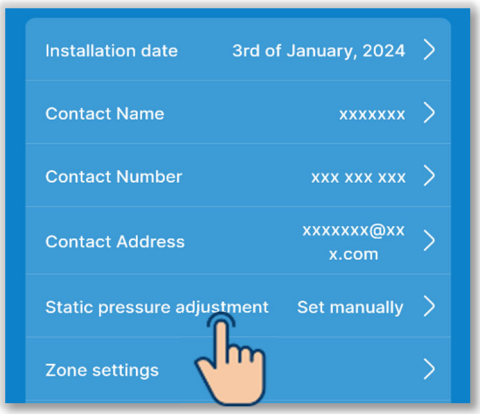


Figure 6-139

⑤Set the static pressure adjustment.

You can perform the adjustment when you are using a duct IU with a static pressure adjustment function.

Touch "Static pressure adjustment."

Figure 6-140

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

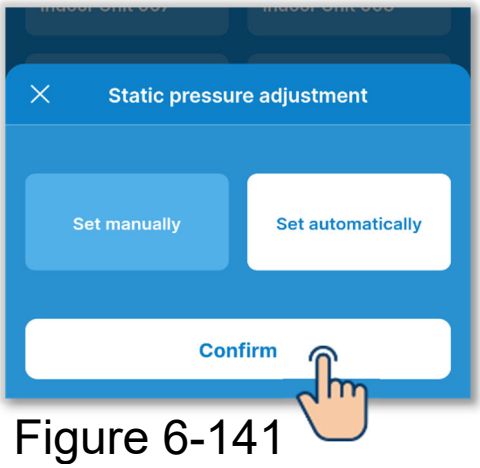


Figure 6-141

Select "Set manually" or "Set automatically."

If you select "Set automatically," touch "Confirm."

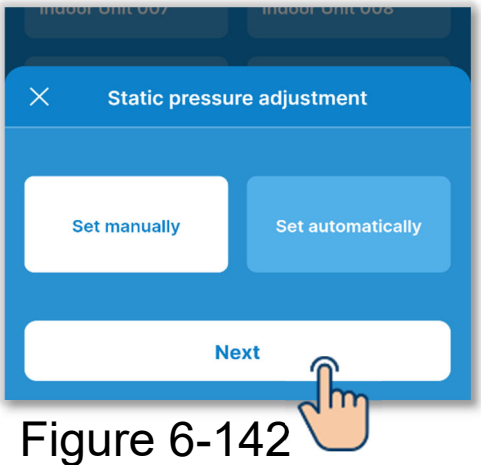
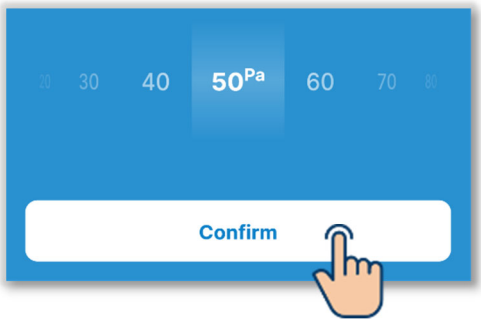


Figure 6-142

If you select "Set manually," touch "Next."

Select the adjustment value on the adjustment value setting screen, and touch the "Confirm" button.

You can set the value in the range of 10 Pa to 200 Pa. (With an increment of 10 Pa)



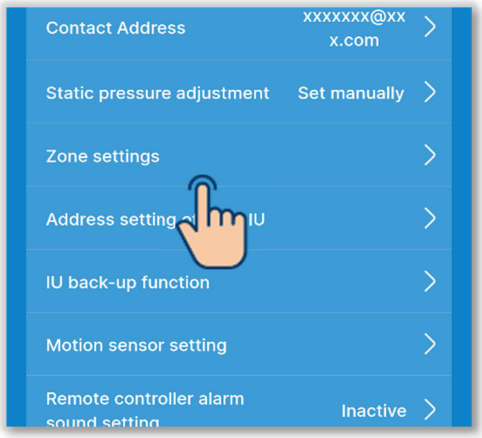


Figure 6-143

⑥Set the zone settings.

You can perform zone control if you are using a duct IU compatible with zone control.

Touch "Zone settings."

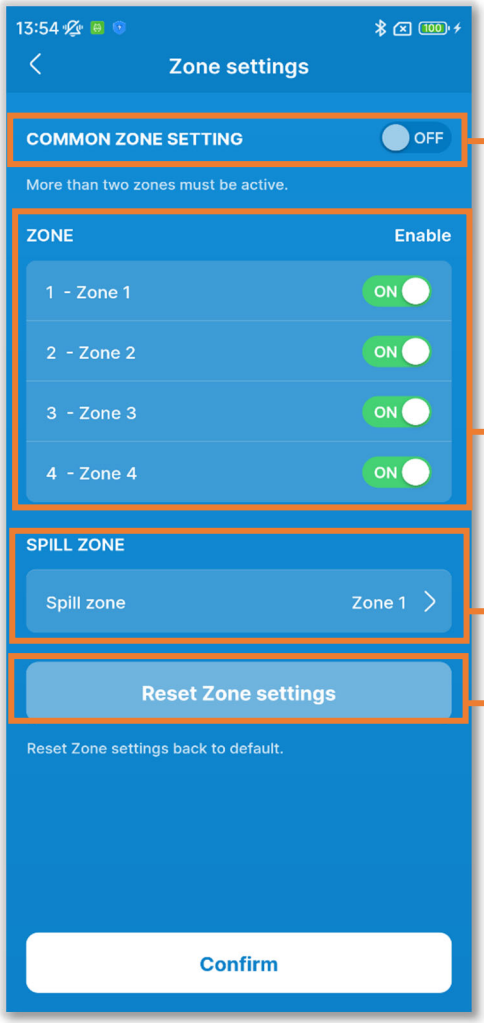


Figure 6-144

Common zone settings:

Enable or disable the common zone.

Zone settings:

Enable or disable each zone.

Spill zone setting:

When disabling the common zone, select the spill zone.

Reset zone settings:

Reset the zone settings to the initial settings.

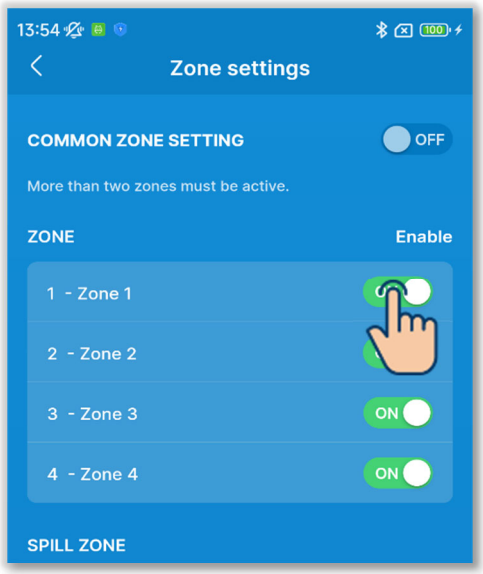


Figure 6-145

Touch the toggle to switch ON or OFF the common zone*1 settings.

*1: Common zone refers to a zone where a damper is not installed.

CAUTION

If you turn ON the common zone setting, perform duct work so that the air volume in the common zone accounts for 50% of the total air volume.

Set zone 4 as the common zone. Zone 4 is always disabled.

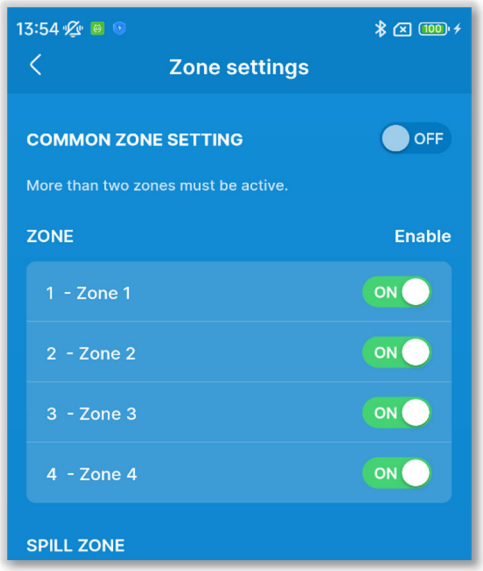


Figure 6-146

Enable or disable each zone.

If you enable the common zone setting:

Enable any one of zones 1 to 3.

If you disable the common zone setting:

Enable any two of zones 1 to 4.

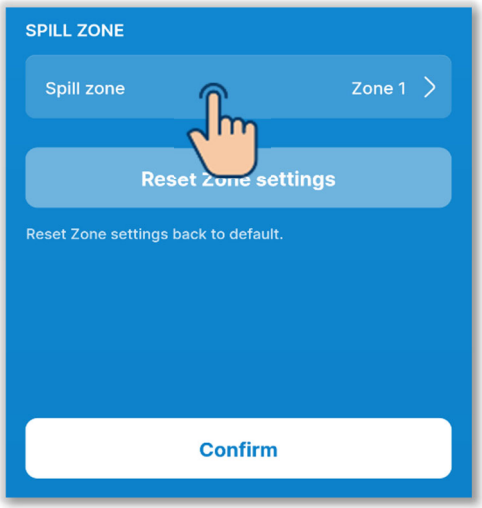


Figure 6-147

If you disable the common zone setting, set the spill zone*1.

*1: Spill zone refers to a zone where the damper opens automatically. The damper opens automatically depending on the opening/closing status of other zones.

CAUTION

- It is recommended to enable the common zone setting, but if you must disable the common zone setting for unavoidable reasons, be sure to set the spill zone.
- Perform duct work so that the air volume in the spill zone accounts for 50% of the total air volume.

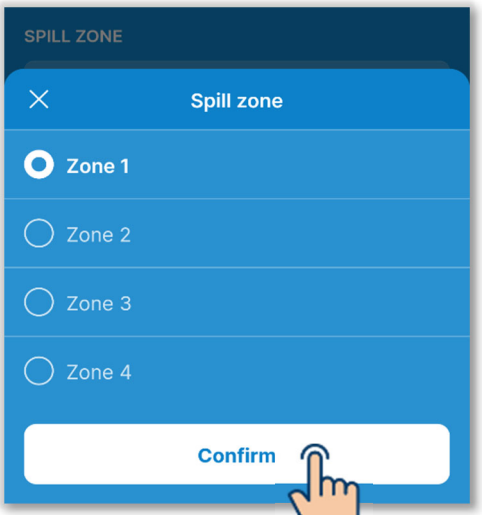


Figure 6-148

Select the spill zone and touch the "Confirm" button.

You can select only one spill zone from the enabled zones.

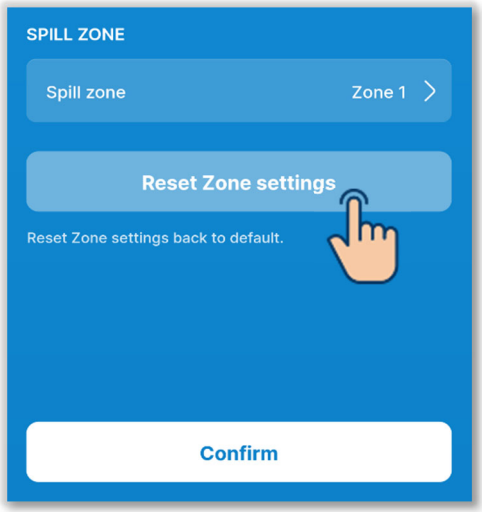
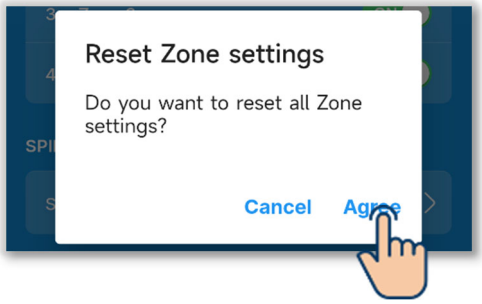


Figure 6-149

To reset the zone settings to the initial settings, touch the "Reset Zone settings" button.

A confirmation popup appears. Touch "Agree."



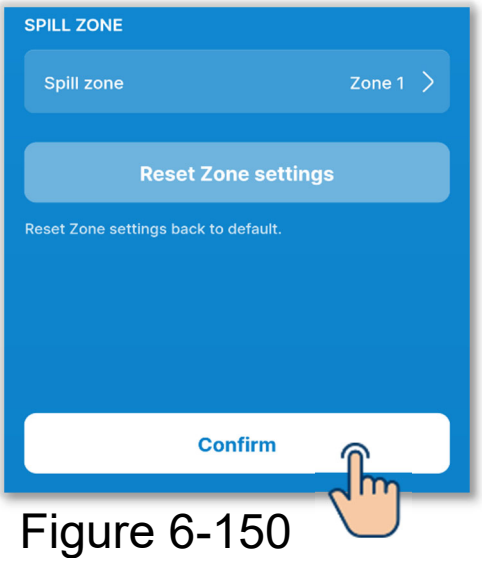


Figure 6-150

Touch "Confirm."

CAUTION

For more information on the zone settings, see the installation manual for the IU and zone controller.

Figure 6-151

⑦Set the address of the main IU.

Set the address of the main IU for the sub IU.

Touch "Address setting of main IU."

SUPPLEMENT

In Multi series (KX) models, only main IU is allowed to select operation mode (heating, cooling). The sub IUs follow the operation mode of the main IU.

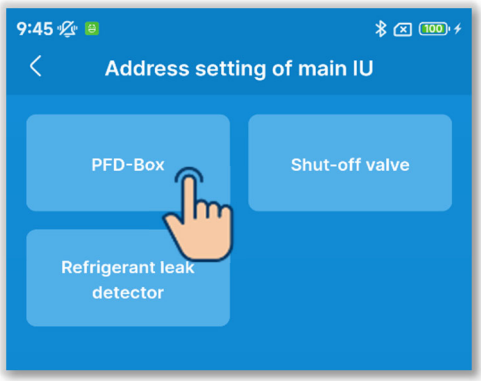


Figure 6-152

Select the items for setting the main IU address.

Figure 6-153

If you select PFD-Box, enter the address of the IU that is set in the main IU, and touch the “Select” button.

Touch “Reset” if you do not want to set the main IU.

Figure 6-154

If you select the shut-off valve,select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

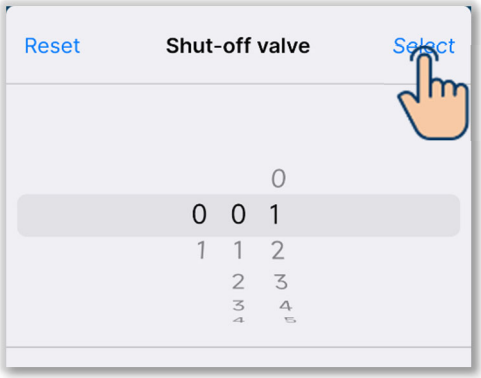


Figure 6-155

Enter the address of the IU that is set in the main IU, and touch the "Select" button

Touch “Reset” if you do not want to set the main IU.

Figure 6-156

If you select the refrigerant leak detector, select the IU you want to set from the list of IUs, and touch the “Next” button.

You can select all units or only one unit.

Figure 6-157

Enter the address of the IU that is set in the main IU, and touch the "Select" button

Touch “Reset” if you do not want to set the main IU.

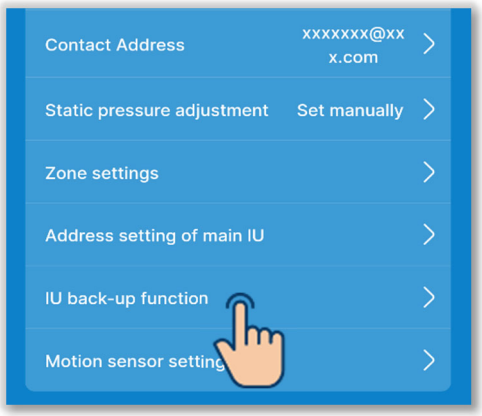


Figure 6-158

⑧Set the IU back-up function.

If you connect plural IUs (plural groups) to one R/C, you can set each IU back-up function.

Touch "IU back-up function."

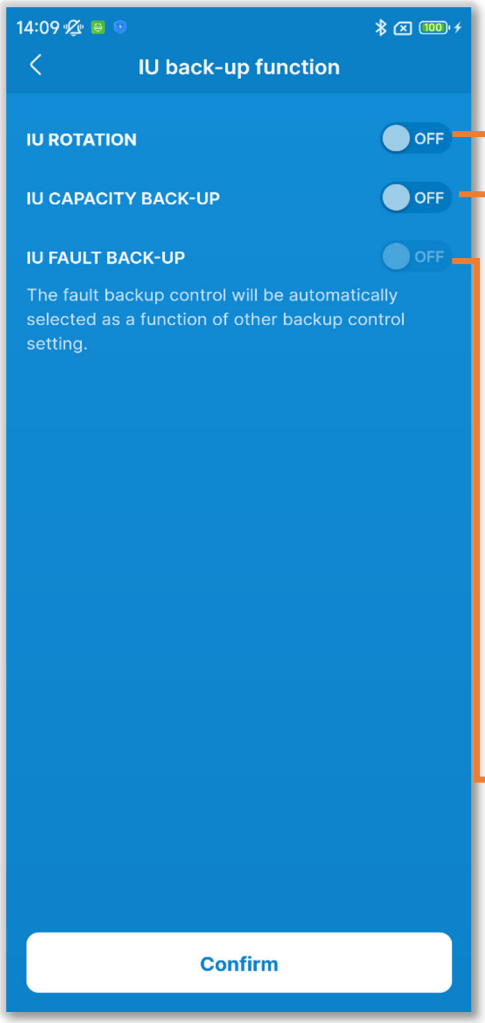


Figure 6-159

IU rotation control:

Run up to three IUs one by one taking turns every time the set time passes.

IU capacity back-up control:

Change the number of units in operation from 1 to up to 3 units according to the temp difference between the set temp and the indoor temp.

IU fault back-up control:

If one or more IUs in operation stop abnormally, another IU starts operation.

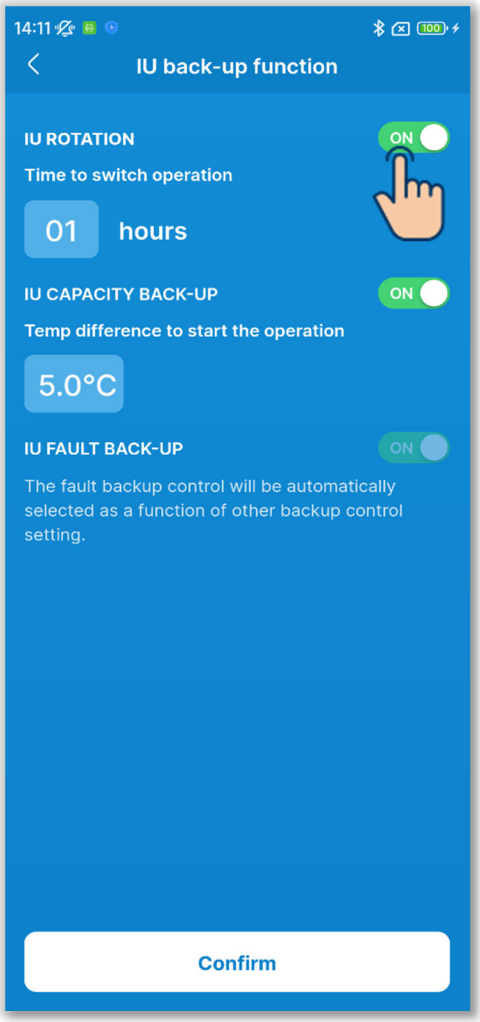


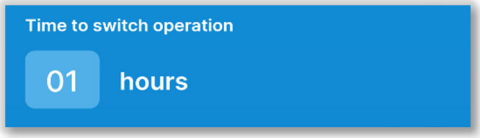
Figure 6-160

Touch the toggle to switch ON or OFF each backup control*1, and touch the "Confirm" button.

*1: Fault backup control is automatically determined by the status of other backup control. If you enable the rotation control or capacity backup control, the fault backup control is also enabled.

✓**If you enable the rotation control**

Select the desired operation switch time from the range of 1 to 999 hours. (With an increment of 1 hour)

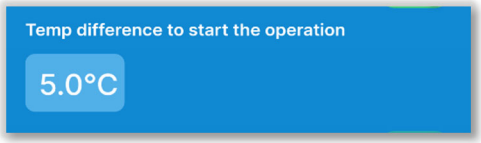


Run the IUs in operation one by one taking turns every time the set time passes.

Rotation control is performed for IUs with younger addresses (up to 3 units).

✓If you enable the capacity backup control

Select the temp difference between the set temp and the indoor temp from the range of 2 to 5°C, by which the number of units in operation is changed. (With an increment of 1°C)



Capacity backup control is performed for IUs with younger addresses (up to 3 units).
If the temp difference between the set temp and the indoor temp exceeds the set value, the number of units in operation changes from 1 to 2. If the temp difference becomes more than double the set value, the number of units in operation changes to 3.

✓If you enable the fault backup control

Fault backup control is performed for IUs with younger addresses (up to 3 units).
If one of the IUs in operation stops abnormally, another IU starts operation.

CAUTION

- If the operation mode is "Auto," you cannot set backup control. If you set backup control in A/C where the operation mode is set to "auto," the operation mode automatically changes to the "cooling" mode.
- You cannot set backup control with the following functions together:

Home leave mode (→Section 6.2.1), warming up setting (→Section 6.1.1.7), auto operation mode (→Section 6.3.2), and external input (→Section 6.3.3).

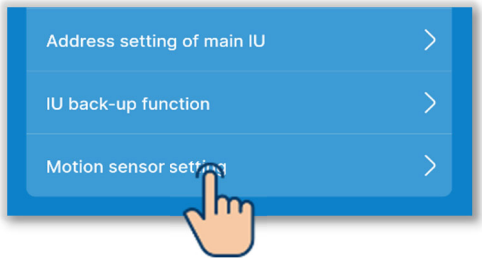


Figure 6-161

⑨Set the motion sensor.

Enable or disable the motion sensor connected to the R/C.

Touch the "Motion sensor setting" button.

Figure 6-162

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

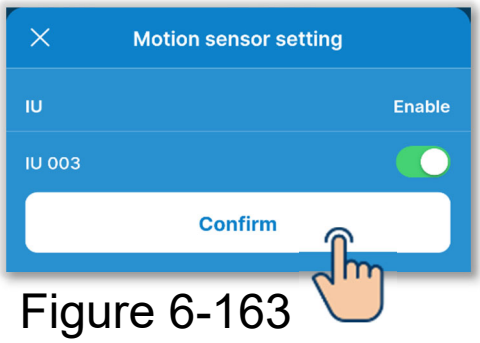


Figure 6-163

Enable or disable the motion sensor setting for the selected IU, and touch the "Confirm" button.

CAUTION

- If you use a motion sensor, set the setting above, and enable the IU to detect the amount of human activity. If you disable it, motion sensor control (power saving and auto-off) is not performed as the amount of human activity is not detected.
- You cannot enable the motion sensor for some IUs. Even if you can turn ON the motion sensor setting, the motion sensor does not run if your unit does not employ a motion sensor.
-

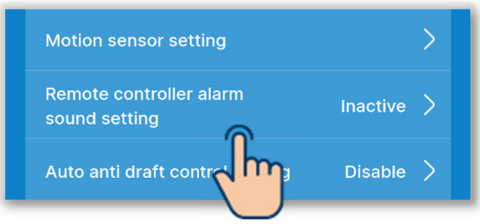


Figure 6-164

⑩Configure the settings for the remote controller alarm sound.
Set whether to enable or disable the remote controller alarm sound.
Touch the " Remote controller alarm sound setting " button.

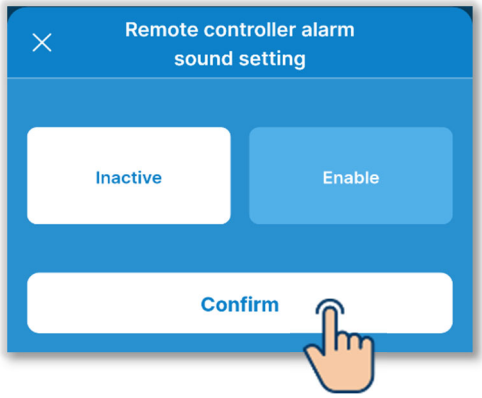


Figure 6-165

Select "Enable " or " Disable", and touch the "Confirm" button.

Enable：

Sounds the alarm if a refrigerant leak is detected or the Refrigerant leak detector gets into trouble. Sound volume of alarm is about 60dB at 1 m from the R/C.

Disable：

The alarm does not sound even if a refrigerant leak is detected or the Refrigerant leak detector gets into trouble.

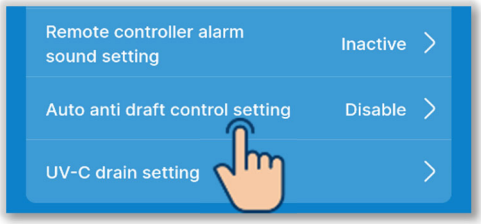


Figure 6-166

⑪Configure the auto anti draft control settings.

Set whether to enable or disable the auto anti draft control connected to the R/C.

Touch the " Auto anti draft control setting" button.

Figure 6-167

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

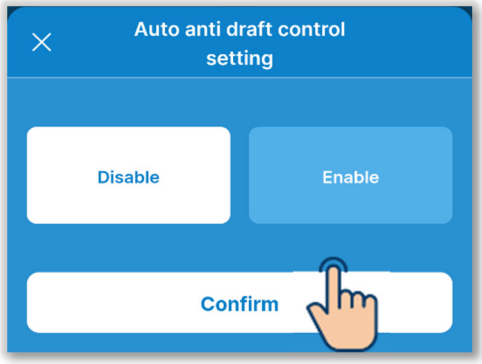


Figure 6-168

Select "Enable " or " Disable", and touch the "Confirm" button.

CAUTION

· For customers who adapt an auto anti draft control. Please proceed this setting.
Unless “Enable” is selected, auto anti draft control does not operate.

· For indoor units without an auto anti draft control, Auto anti draft control setting will not be operated.

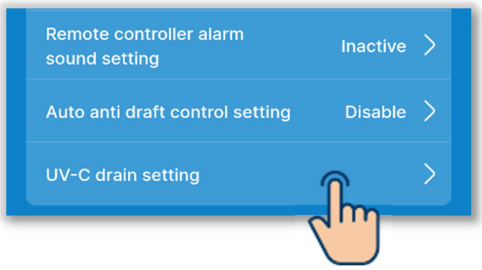


Figure 6-169

⑫Configure the UV-C drain settings.
Set whether to enable or disable the settings of UV-C drain connected to the R/C.
Touch the "UV-C drain setting " button.

Figure 6-170

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

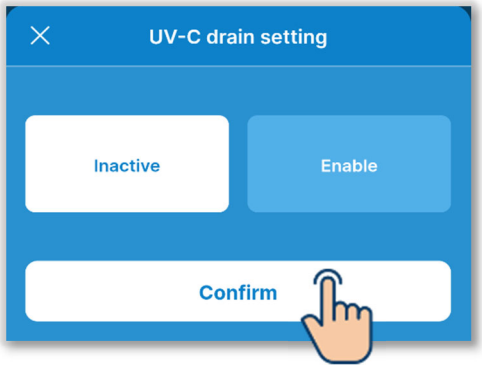


Figure 6-171

Select "Enable " or " Disable", and touch the "Confirm" button.

CAUTION

- For customers who adapt an UV-C drain. Please proceed this setting .
  Unless Enable is selected, UV-C drain does not operate.
- For indoor units without an UV-C drain, UV-C drain setting will not be operated.

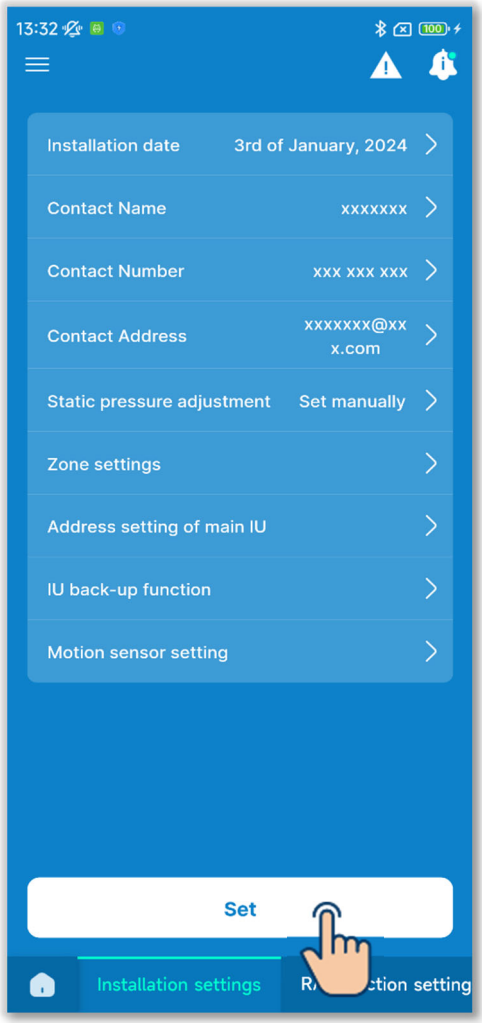


Figure 6-172

⑬Touch the "Set" button.

CAUTION

If you do not touch the "Set" button, the contents in ① to ⑫ are not transmitted to the R/C. Do not forget to touch it.

6.3.2. R/C function settings

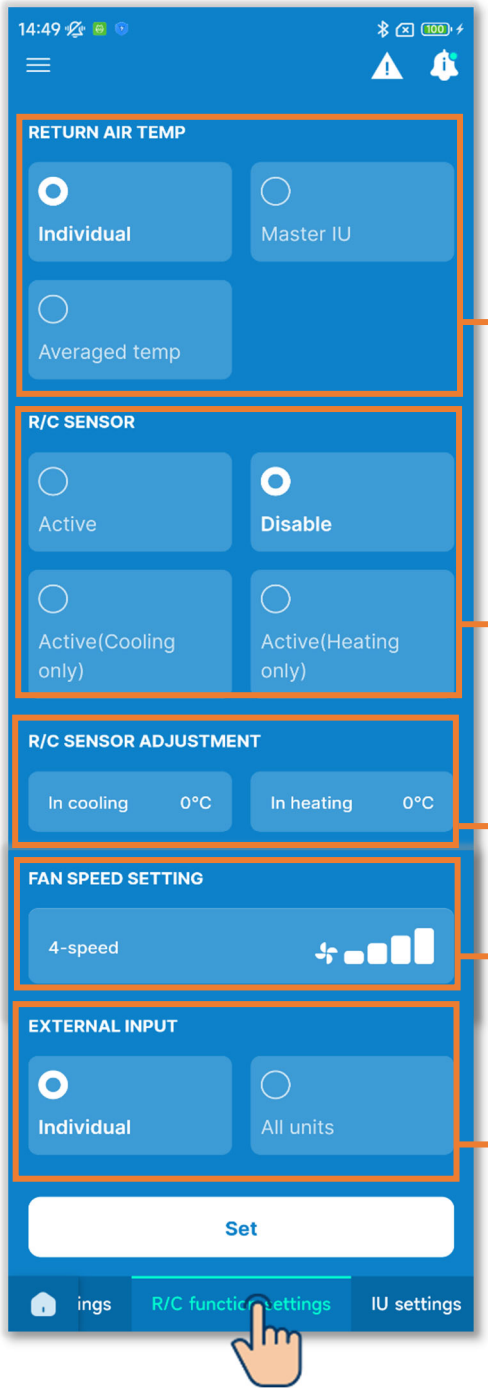


Figure 6-173

Touch the "R/C function settings" tab.

Set the R/C function settings.

Return air temp:

If you connect plural IUs to one R/C, select the return air temp sensor of IU used for thermo judgment.

R/C sensor:

Change the temp used for thermo judgment from the IU return air temp to the R/C sensor.

R/C sensor adjustment:

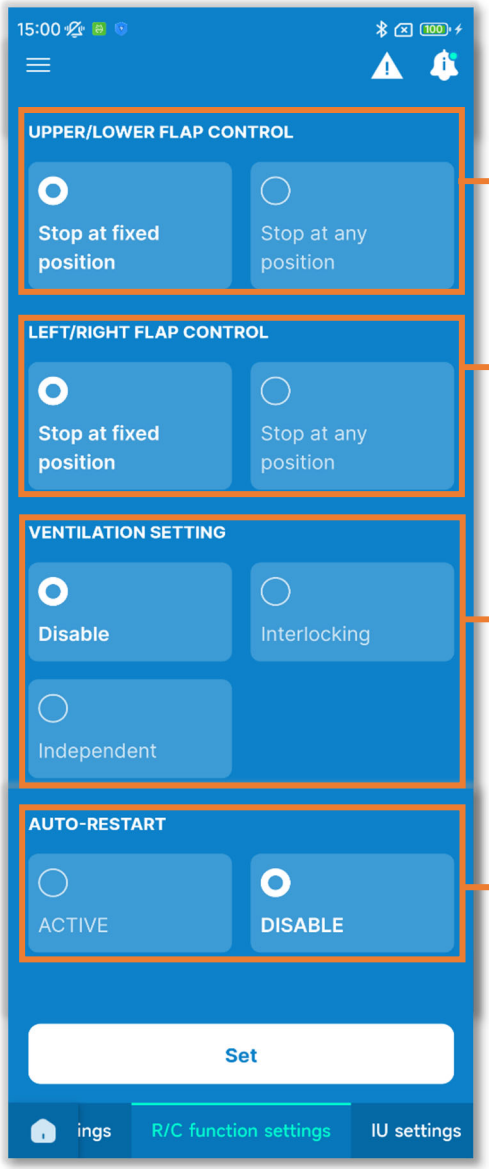
Adjust the R/C sensor detection temp.

Fan speed setting:

Change the fan speed range.

External input:

If you connect plural IUs to one R/C, set the range of CNT input for run/stop.



Upper/lower flap control:
Select the upper/lower flap control.

Left/right flap control:
Select the left/right flap control.

Ventilation setting:
Set this if using together with a ventilator.

Auto-restart:
Set the behavior when a power outage occurs during running.

Figure 6-174

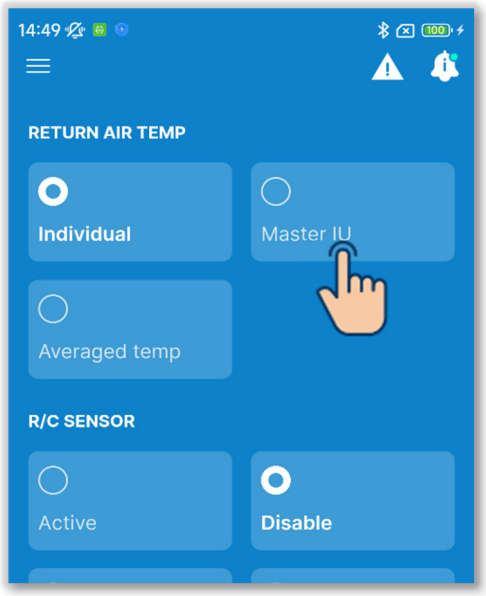


Figure 6-175

①Set the return air sensor control.

If you connect plural IUs to one R/C, select the return air sensor used for thermo judgment from Individual, Master IU, or Average temp.

Individual:

Perform thermo judgment using the return air temp of each IU. If plural IUs are connected to one R/C, it is based on the return air temp of the main IU.

Master IU:

Thermo judgment is made using the return air temp of the IU with the youngest address among the connected IUs. If there are several sets of plural IUs of which is connected to one R/C, it is based on the IU with the youngest address among the main IUs of each set.

Average:

Thermo judgment is made using the average of the return air temps of the connected IUs.

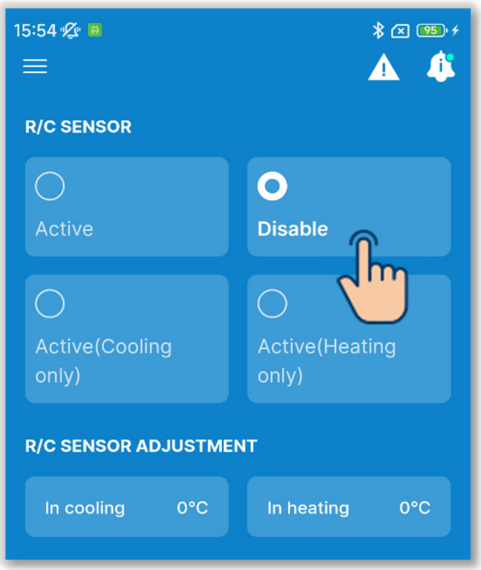


Figure 6-176

②Set the R/C sensor.

Change the indoor temp used for thermo judgement from the IU return air temp to the R/C sensor.

The indoor temp displays on R/C and in the application are also changed.

Disable:

Displays the indoor temp using the sensor at the main unit.

Enable:

Displays the indoor temp using the R/C side sensor.

Enable (Cooling only):

The indoor temp display changes to the temp measured by the R/C side sensor during cooling only.

Enable (Heating only):

The indoor temp display changes to the temp measured by the R/C side sensor during heating only.

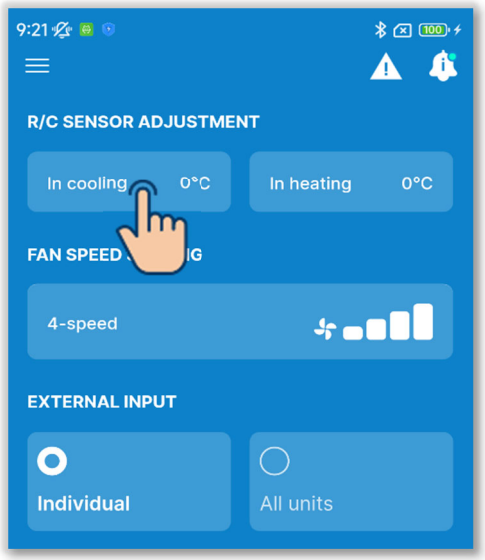
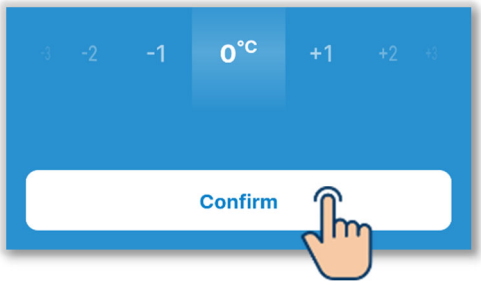


Figure 6-177

③Set the R/C sensor adjustment.
Touch "In cooling" or "In heating."
For in cooling/heating respectively, select the adjustment value for the R/C sensor detection temp in the range of -3 to +3°C, and touch the "Confirm" button.



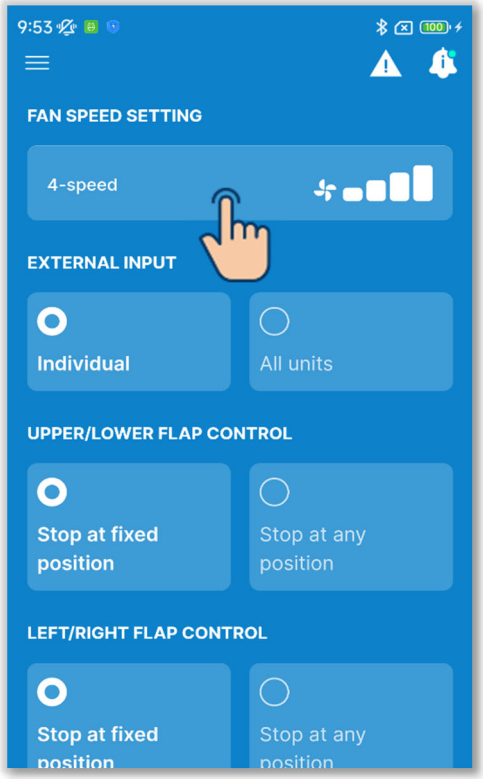
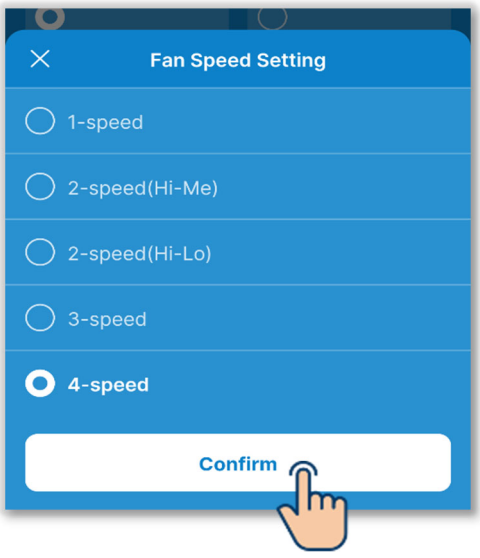


Figure 6-178

④Set the fan speed.
Touch the Set button.
Select the desired fan speed, and touch the "Confirm" button.



CAUTION
You may not be able to set this for some IUs.

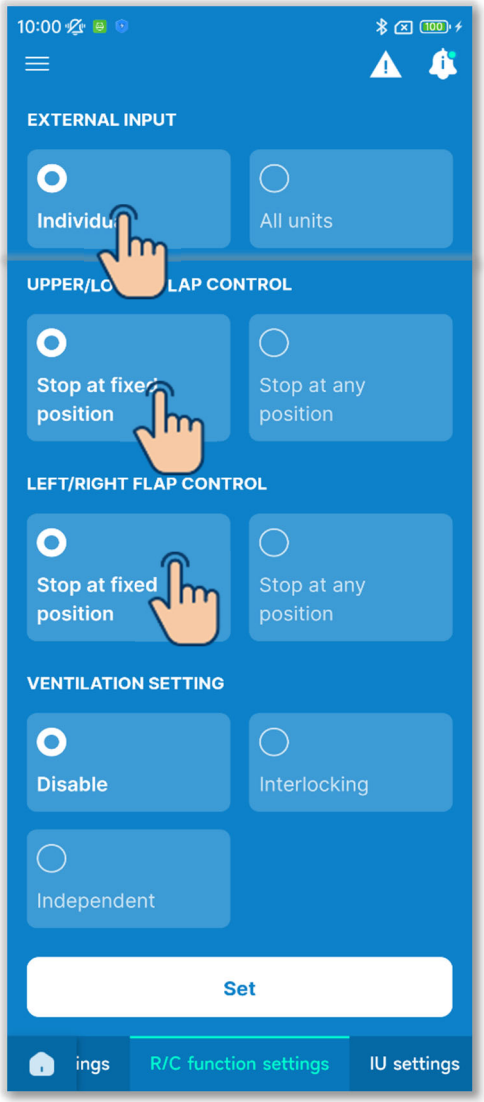


Figure 6-179

⑤Set the external input.

If you connect plural IUs to one R/C, you can set the CNT input range for run/stop for the individual unit and all units. Select the external input from "Individual" and "All units."

Individual:

Apply only to the IUs where CNT was input.

All units:

Apply to all IUs connected to the R/C.

⑥Set the upper/lower flap control.

Stop at fixed position:

Set the upper/lower air supply flap in four levels.

Stop at any position:

Stop the flap at the position immediately after the stop operation.

⑦Set the left/right flap control.

Stop at fixed position:

Set the left/right air supply flap in four levels.

Stop at any position:

Stop the flap at the position immediately after the stop operation.

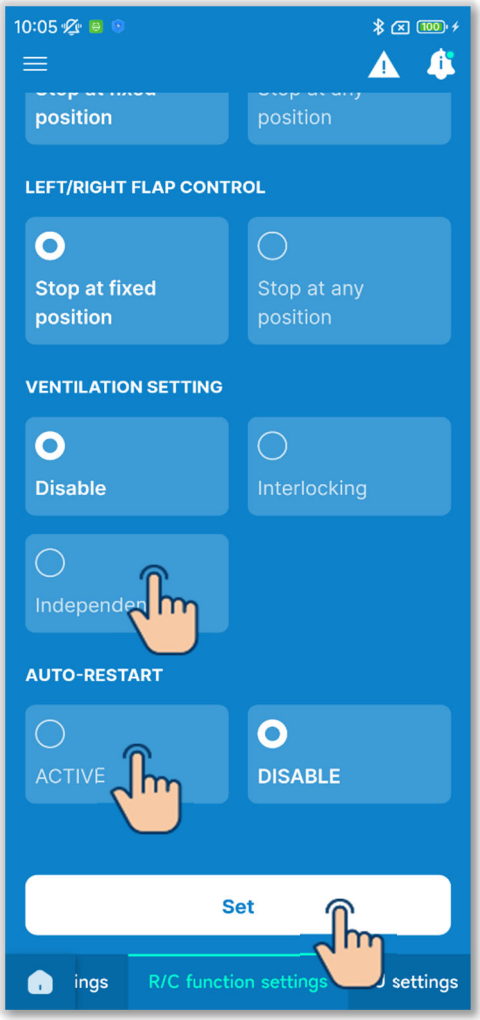


Figure 6-180

⑧Set the ventilation setting.

Select the setting for combining the connected units from Disable, Interlocking, or Independent.

Disable:

No connection of a ventilation unit.

Interlocking:

Interlock with A/C run/stop and output to the ventilation output (CNT).

Independent:

Ventilation unit independently performs the run/stop output by performing the run/stop operation of the ventilation unit on the operation screen of the R/C and in the application.

⑨Set the auto-restart.

"Enable" or "Disable" the auto-restart.

If you enable it, the pre-power outage state is restored once power is restored (control ends after the power is switched on) after a power outage during running.

If you disable it, the operation stops after the power is restored from a power outage.

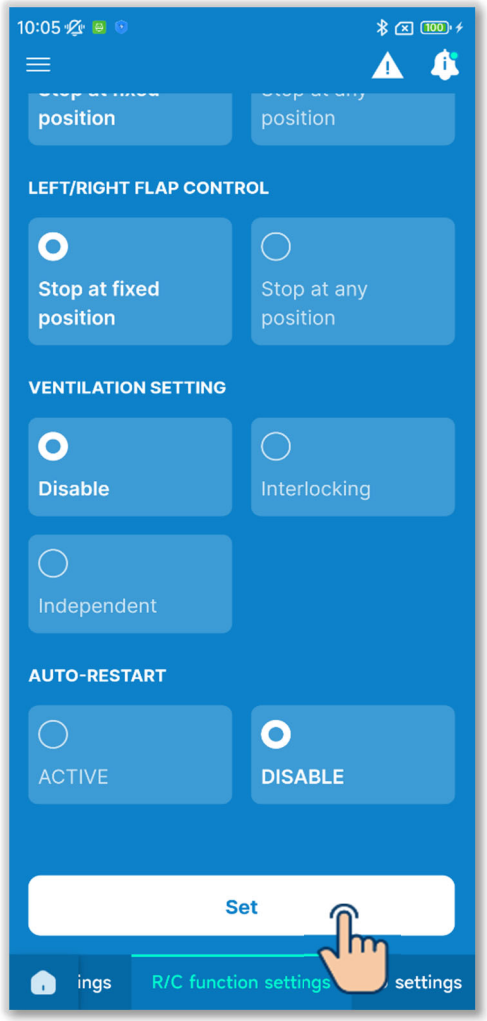


Figure 6-181

⑩Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ① to ⑨ are not transmitted to the R/C. Do not forget to touch it.

6.3.3. IU settings

Figure 6-182

Touch the "IU settings" tab.

Select the IU you want to set from the list of IUs, and touch the "Next" button.

You can select all units or only one unit.

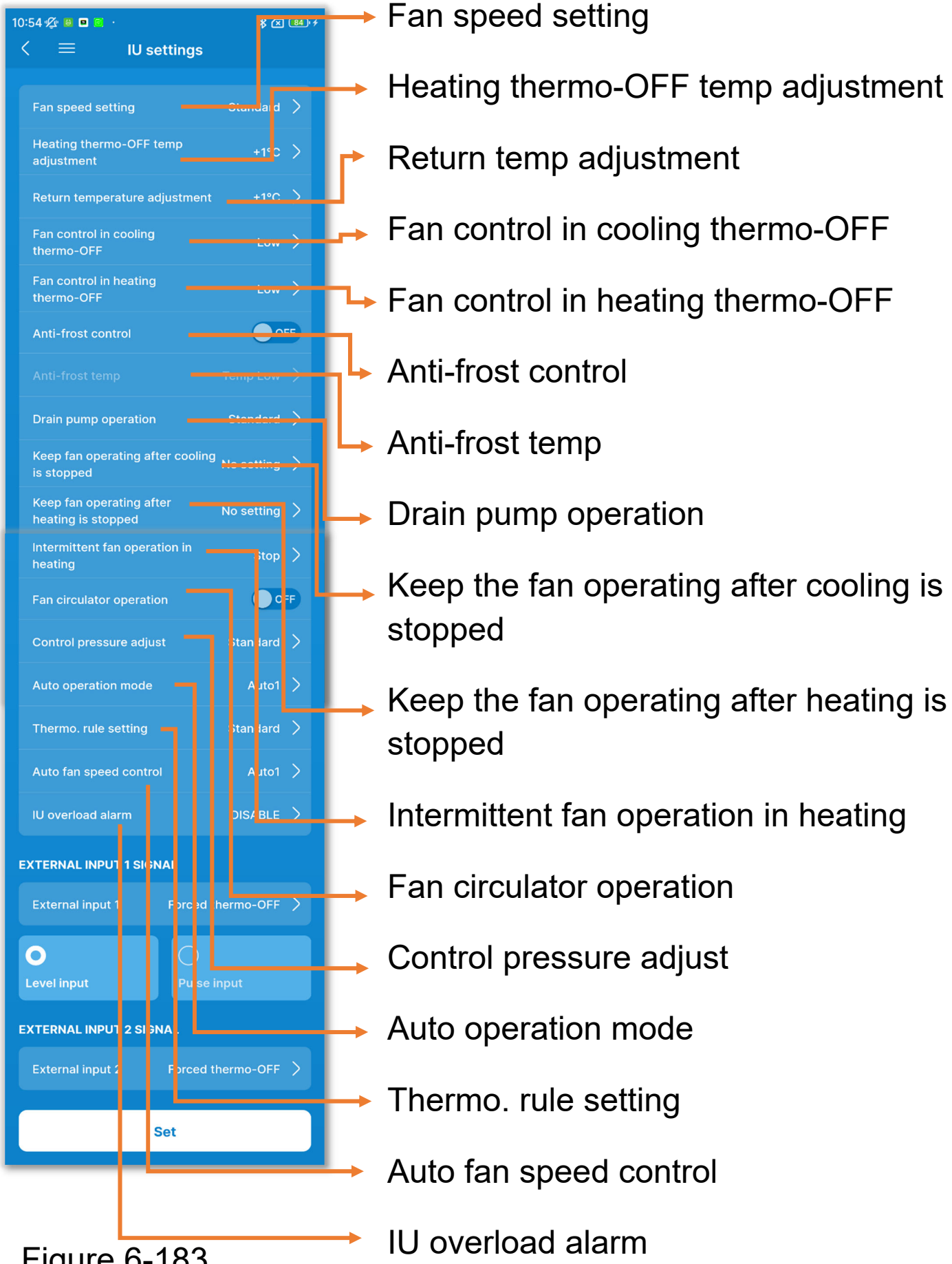
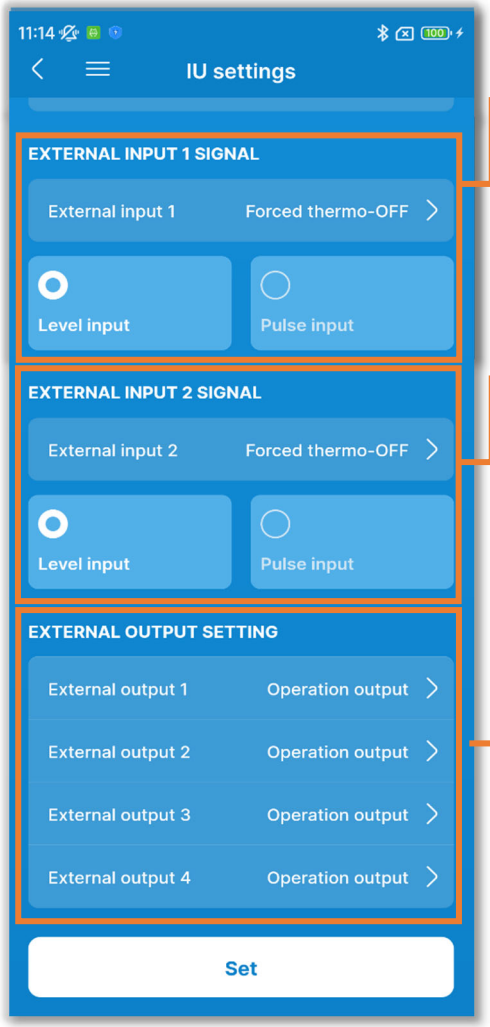

10:54
IU settings
Fan speed setting
Heating thermo-OFF temp adjustment
+1°C
Return temperature adjustment
+1°C
Fan control in cooling thermo-OFF
Low
Fan control in heating thermo-OFF
Low
Anti-frost control
OFF
Anti-frost temp
Drain pump operation
Keep fan operating after cooling is stopped
Keep fan operating after heating is stopped
No setting
Intermittent fan operation in heating
Fan circulator operation
OFF
Control pressure adjust
Auto operation mode
Thermo. rule setting
Auto fan speed control
IU overload alarm
DISABLE
EXTERNAL INPUT 1 SIGNAL
External input 1
Forced thermo-OFF
Level input
Pulse input
EXTERNAL INPUT 2 SIGNAL
External input 2
Forced thermo-OFF
Set
Fan speed setting
Heating thermo-OFF temp adjustment
Return temp adjustment
Fan control in cooling thermo-OFF
Fan control in heating thermo-OFF
Anti-frost control
Anti-frost temp
Drain pump operation
Keep the fan operating after cooling is stopped
Keep the fan operating after heating is stopped
Intermittent fan operation in heating
Fan circulator operation
Control pressure adjust
Auto operation mode
Thermo. rule setting
Auto fan speed control
IU overload alarm

Figure 6-183



External input 1:
Set the external input 1 control and input method.

External input 2:
Set the external input 2 control and input method.

External output setting:
Select the functions assigned to external outputs 1 to 4.

Figure 6-184

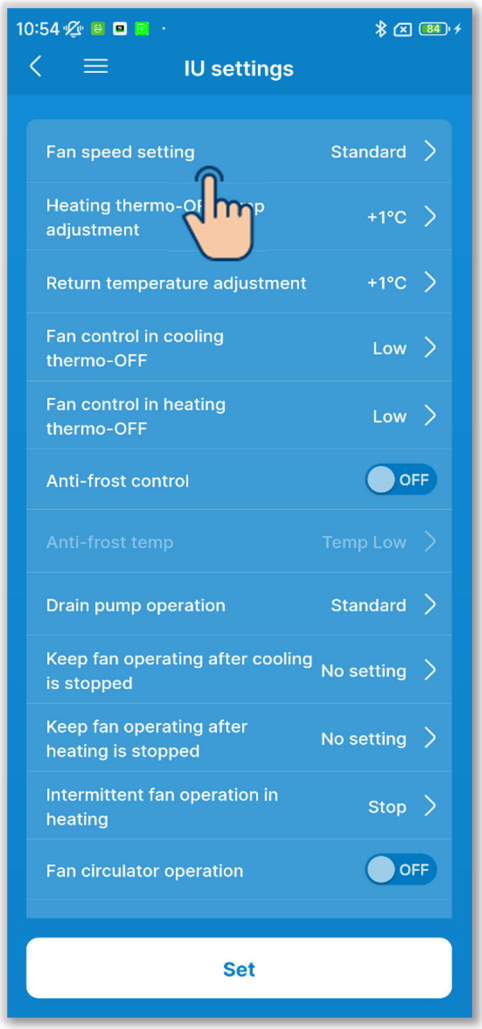
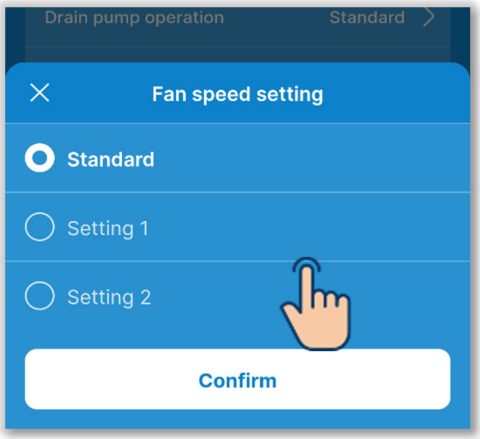


Figure 6-185

①Set the fan speed.

Touch "Fan speed setting."

Select the fan speed for the IU from Standard, Setting1, or Setting 2, and touch "Confirm."



SUPPLEMENT

For more information, see the technical data for the IU.

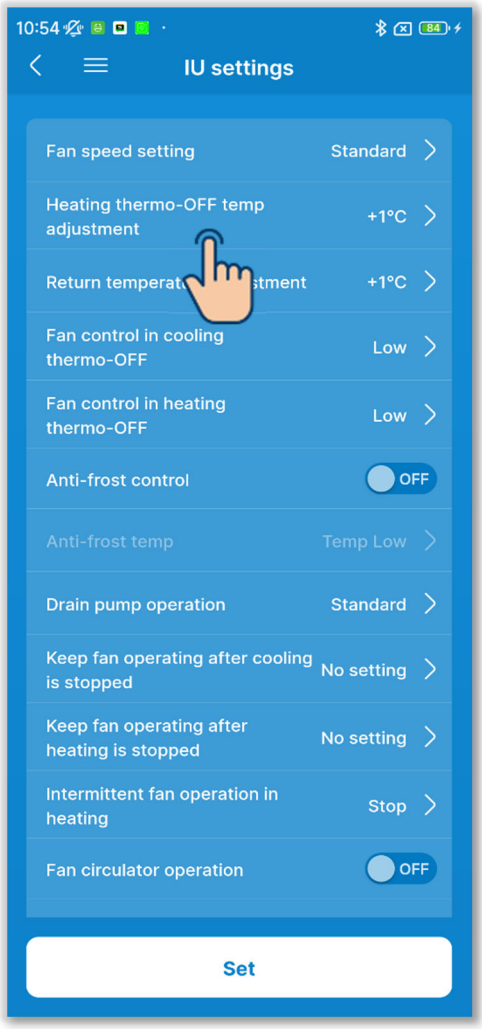
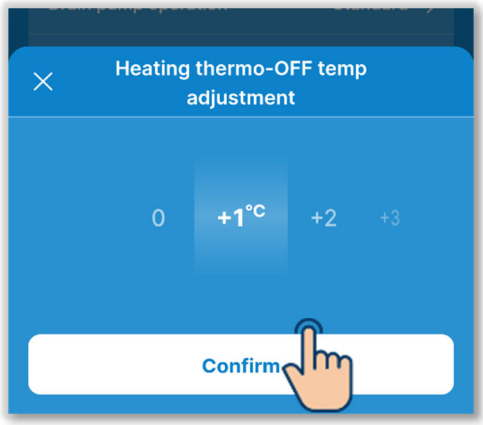


Figure 6-186

②Set the heating indoor temp adjustment.

Touch "Heating thermo-OFF temp adjustment."

Select the adjustment value for the heating thermo judgment temp from 0°C, ＋1°C, ＋2°C, or ＋3°C, and touch the "Confirm" button.



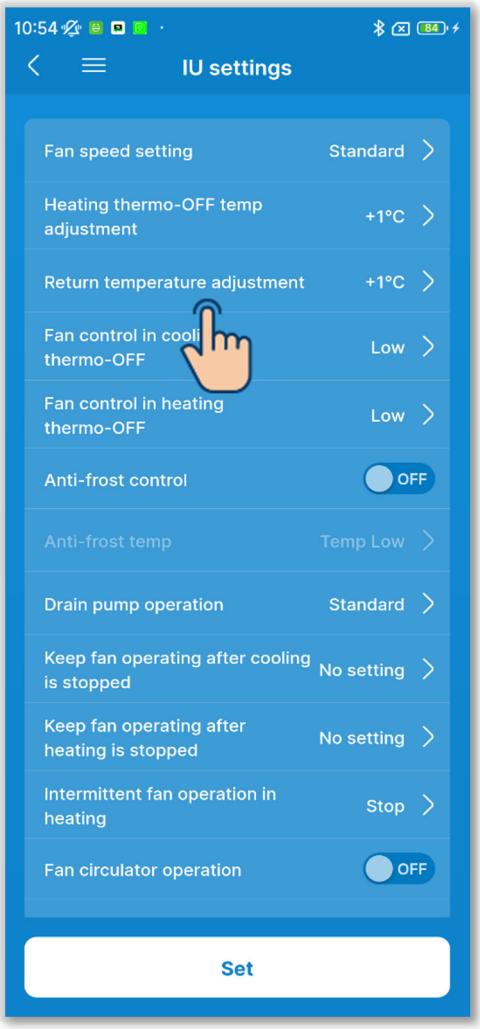
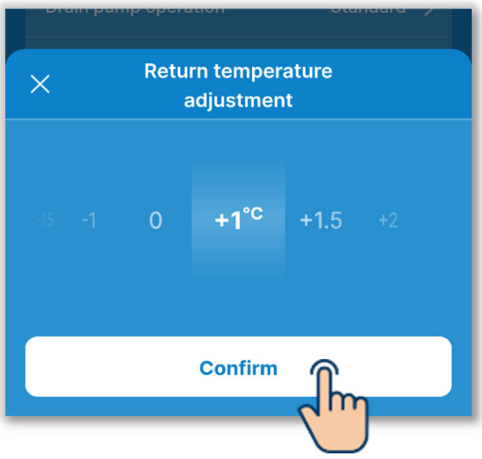


Figure 6-187

③Set the return temp adjustment.

Touch "Return temp adjustment."

Select the adjustment value for the IU return air sensor detection temp from －2.0°C, －1.5°C, －1.0°C, 0.0°C, ＋1.0°C, ＋1.5°C, or ＋2.0°C, and touch the "Confirm" button,



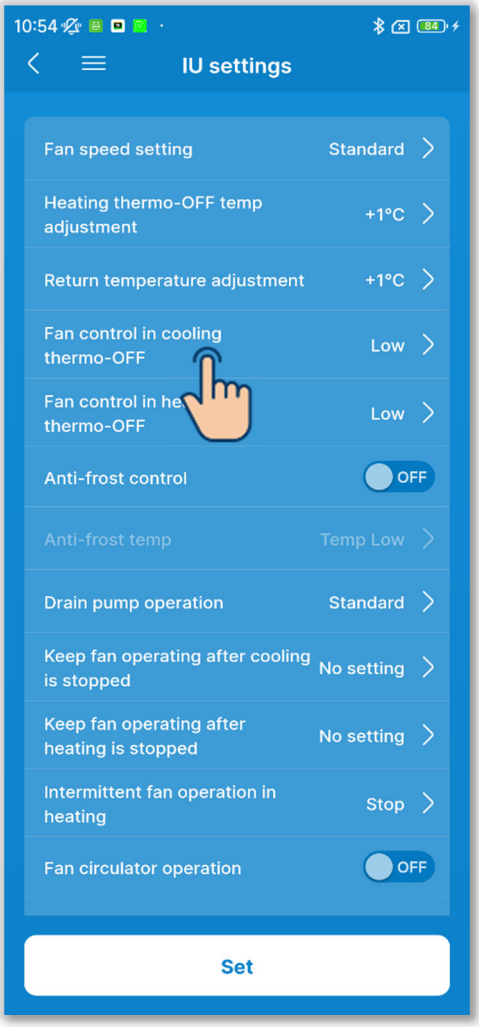


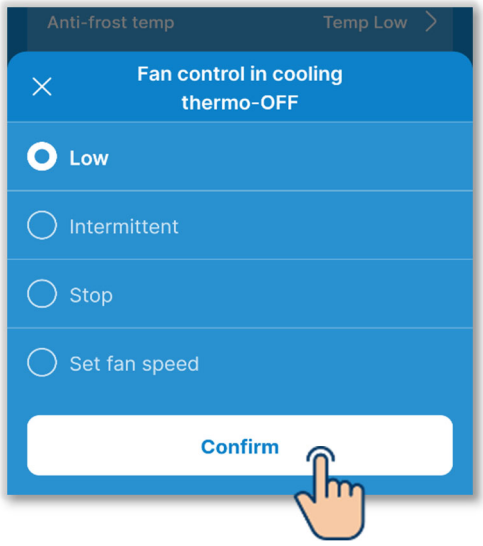
Figure 6-188

④Set the cooling fan control.

Set the fan speed in cooling thermo-OFF.

Touch "Fan control in cooling thermo-OFF".

Select the fan speed and touch the "Confirm" button.



Low:

The fan runs at the Low speed.

Intermittent:

Cycles of Lo fan operation for 2 minutes and stop for 5 minutes are repeated.

Stop:

The fan is stopped.

Set fan speed:

The fan runs at the same speed as that during the thermo-ON operation.

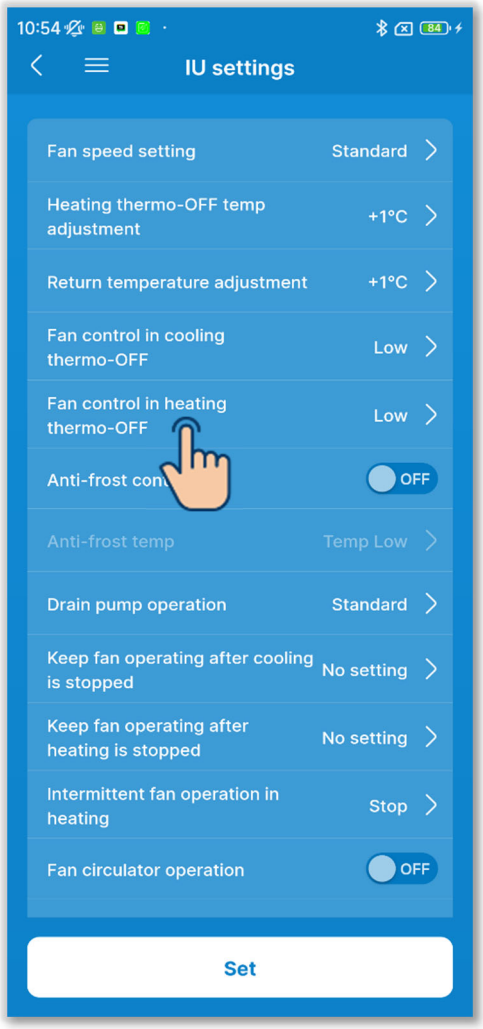


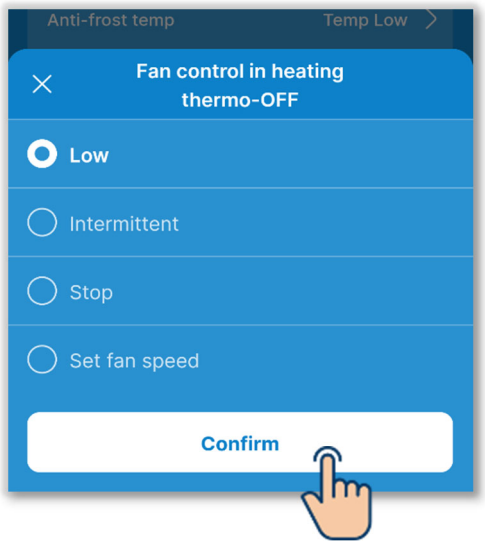
Figure 6-189

⑤Set the heating fan control.

Set the fan speed in heating thermo-OFF.

Touch "Fan control in heating thermo-OFF".

Select the fan speed and touch the "Confirm" button.



Low:

The fan runs at the Low speed.

Intermittent:

Cycles of Lo fan operation for 2 minutes and stop for 5 minutes are repeated.

Stop:

The fan is stopped.

Set fan speed:

The fan runs at the same speed as that during the thermo-ON operation.

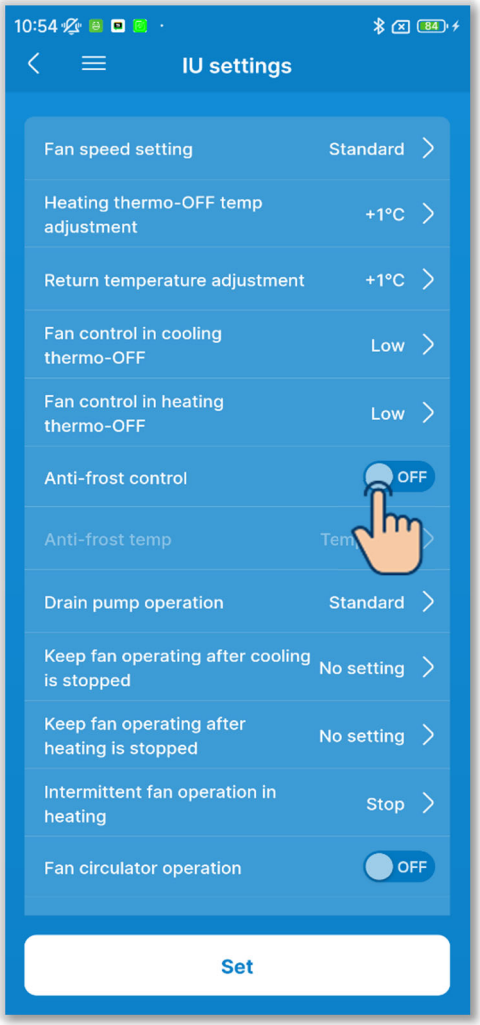


Figure 6-190

⑥Set the anti-frost control.

Touch the toggle to switch ON or OFF the anti-frost control.

ON:

Increase the fan speed after anti-frost control.

OFF:

The fan speed remains unchanged after anti-frost control.

If you enable the anti-frost control, you can set the anti-frost temp.

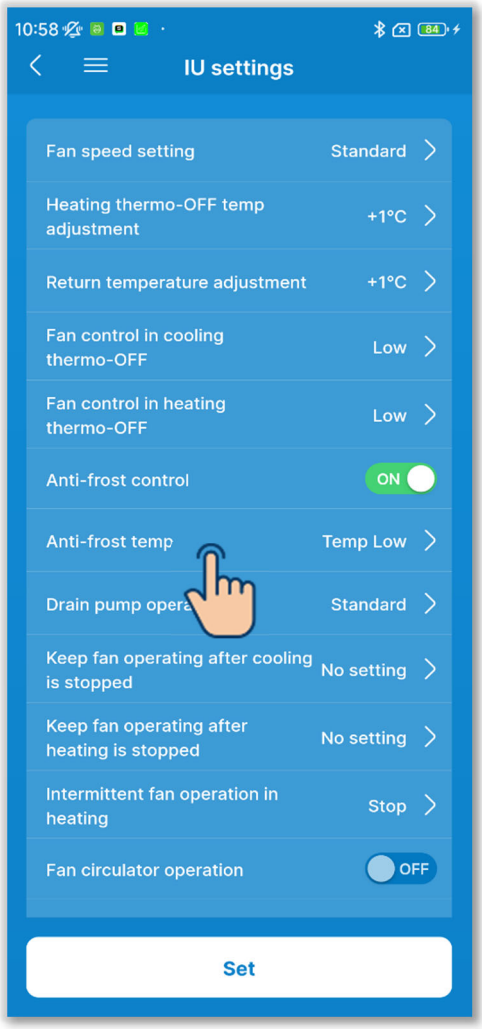
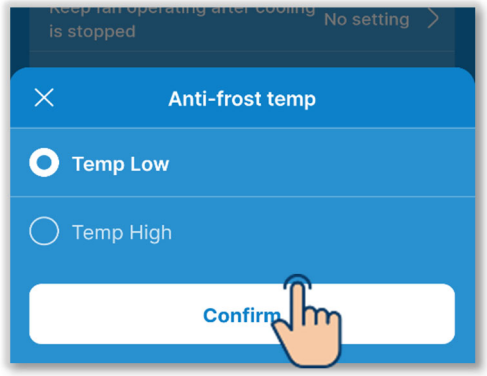


Figure 6-191

⑦Set the anti-frost temp.
Touch "Anti-frost temp."

Select "Temp Low" or "Temp High" and touch the "Confirm" button.



CAUTION

If you disable the anti-frost control, you cannot set the anti-frost temp.

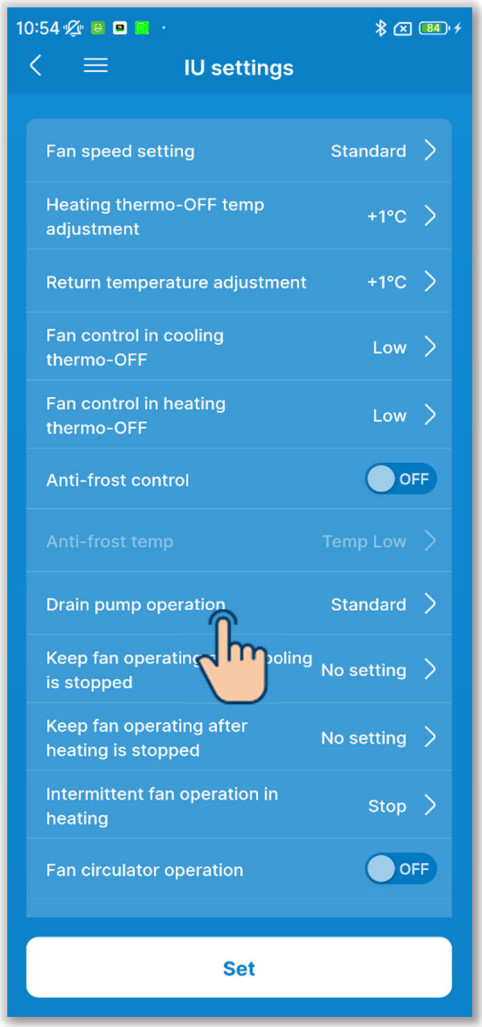
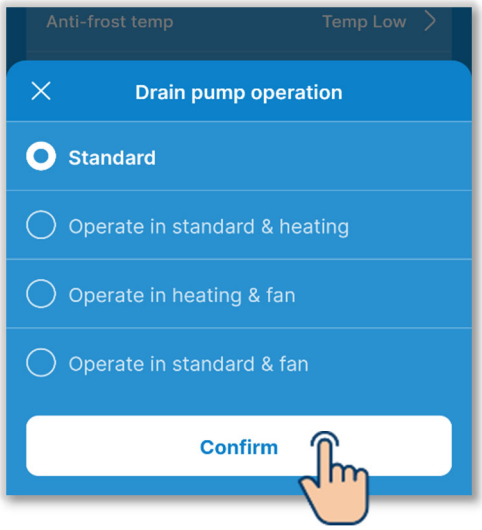


Figure 6-192

⑧Set the drain pump operation.
Touch "Drain pump operation".

Select the drain pump operation control and touch "Confirm".



Standard:
Operate in cooling and dry mode

Operate in standard & heating:
Operate in cooling, dry and heating mode

Operate in heating & fan:
Operate in all mode

Operate in standard & fan:
Operate in cooling, dry and fan mode

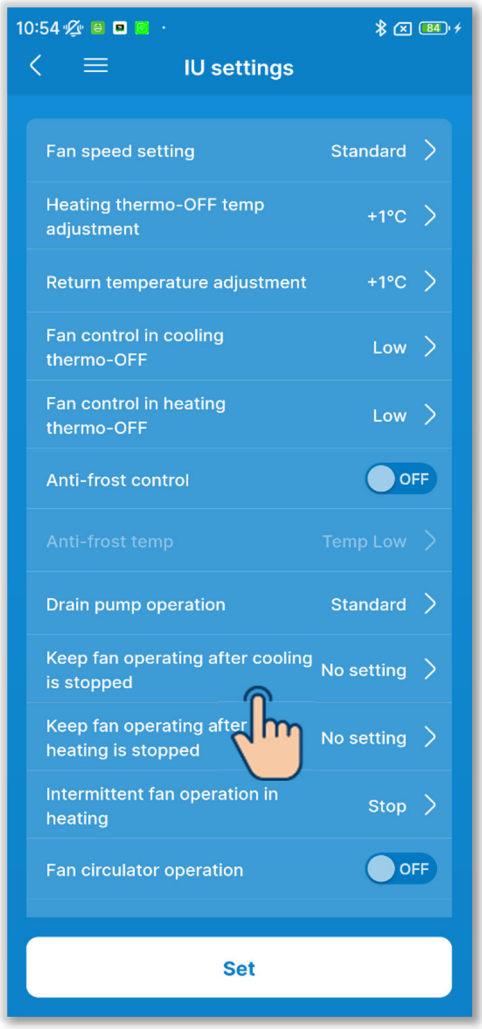


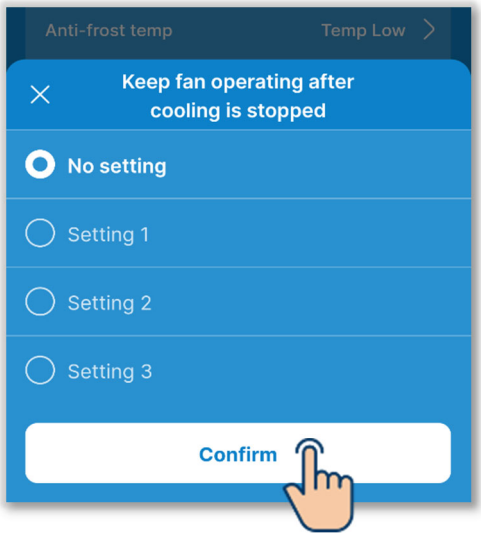
Figure 6-193

⑨Set the fan residual operation after cooling is stopped.

Set the fan residual operation time after cooling is s topped or thermo is turned off.

Touch "Keep fan operating after cooling is stopped."

Select the fan residual operation time, and touch the "Confirm" button.



No setting: No fan residual operation

Setting 1: 0.5 hours

Setting 2: 2 hours

Setting 3: 6 hours

* The residual time may differ.

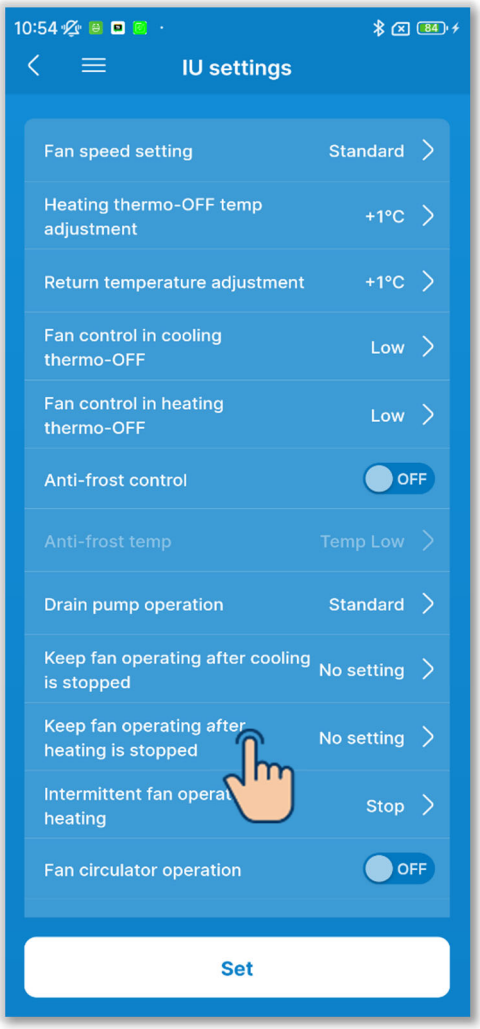


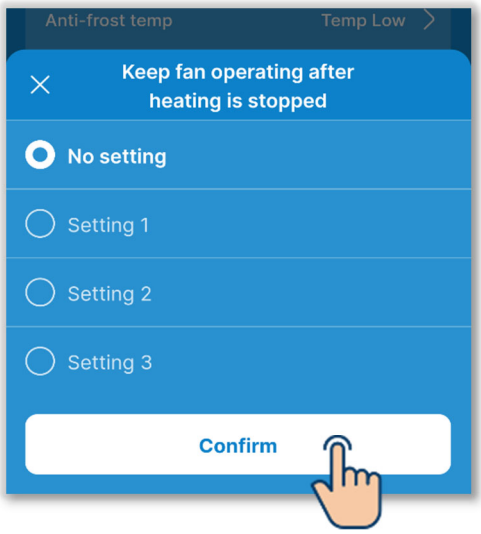
Figure 6-194

⑩Set the fan residual operation after heating is stopped.

Set the fan residual operation time after heating is stopped or thermo is turned off.

Touch "Keep fan operating after heating is stopped."

Select the fan residual operation time, and touch the "Confirm" button.



No setting: No fan residual operation

Setting 1: 0.5 hours

Setting 2: 2 hours

Setting 3: 6 hours

* The residual time may differ.

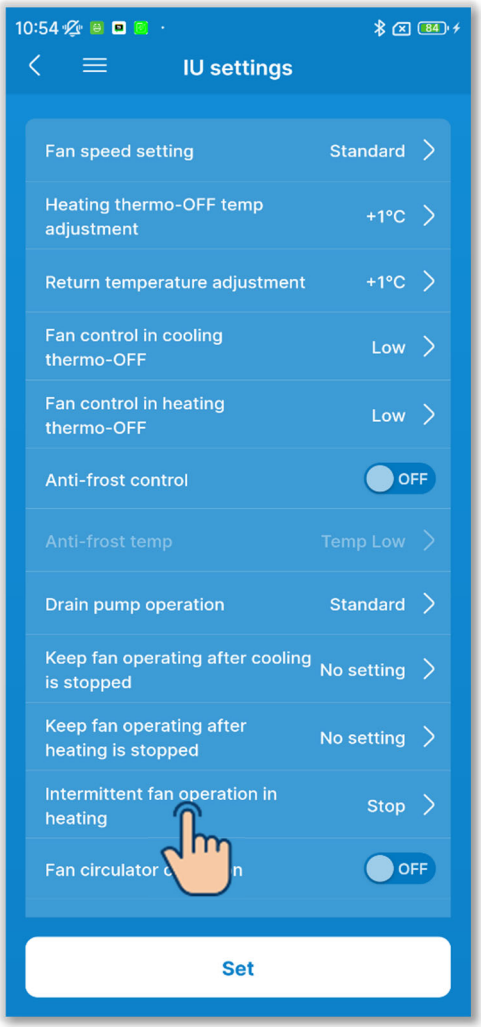


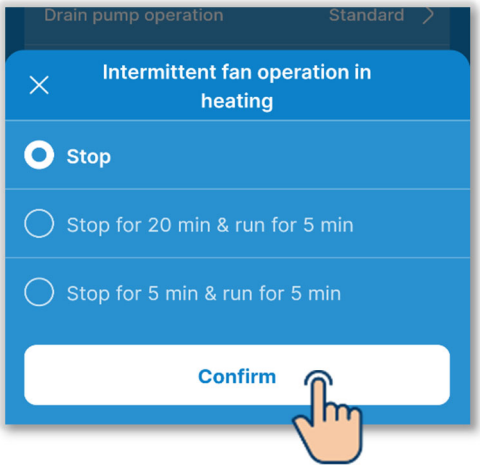
Figure 6-195

⑪Set the intermittent fan operation in heating.

Set fan control after heating stop or thermo is turned off.

Touch "Intermittent fan operation in heating."

Select fan control and touch the "Confirm" button.



Stop:

Intermittent fan operation is not done.

Stop for 20 min & run for 5 min:

Check the operating conditions at every 25 min and run the fan for 5 min.

Stop for 5 min & run for 5 min:

Check the operating conditions at every 10 min and run the fan for 5 min.

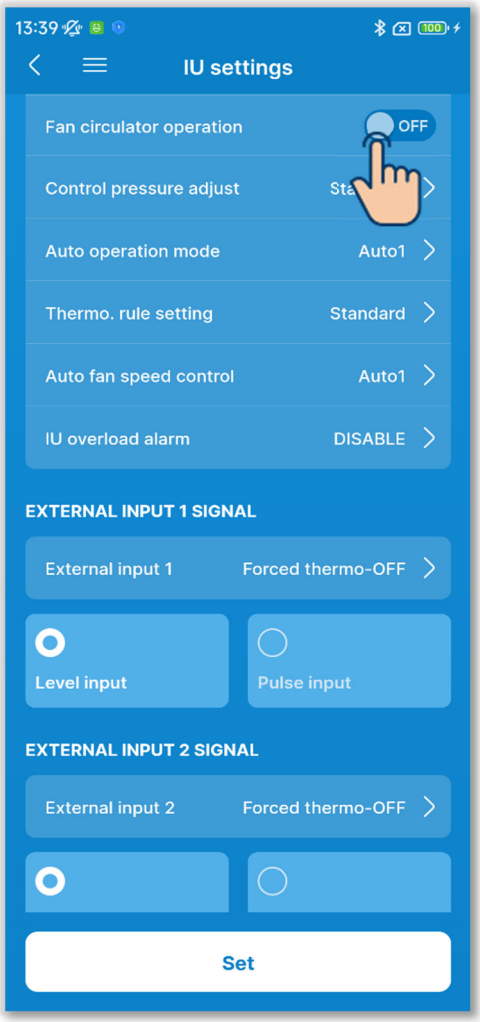


Figure 6-196

⑫Set the fan circulator operation.

Set this when operating the fan as circulator operation by touching the toggle.

OFF:

The fan runs continuously during the fan operation.

ON:

During the fan operation, the fan runs and stops based on the difference between temp detected with the R/C sensor and the return air sensor.

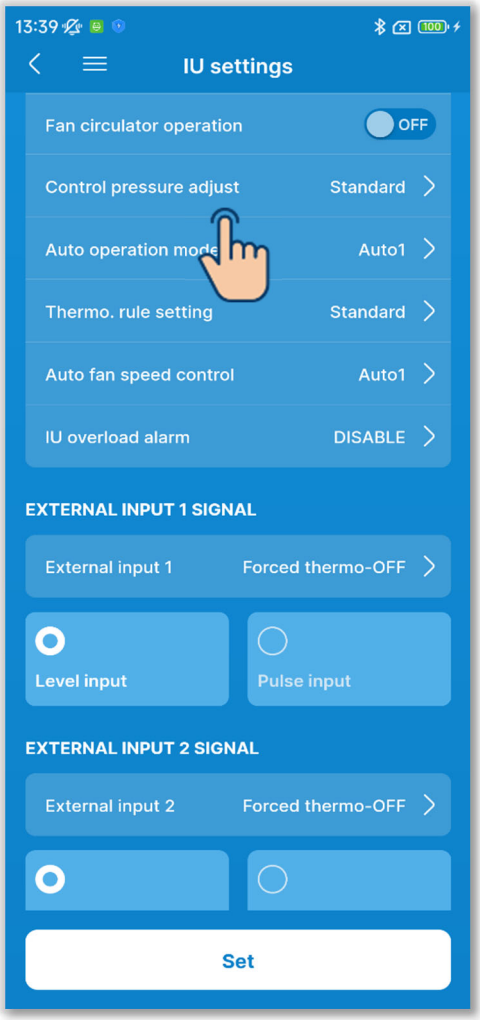


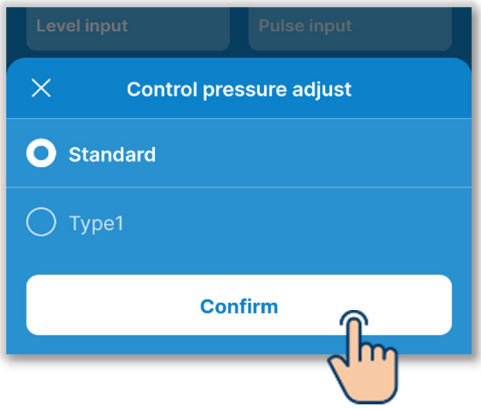
Figure 6-197

⑬Set the control pressure adjustment.

Set the pressure control when the outdoor air conditioning unit is connected to the multi (KX) system.

Touch "Control pressure adjust."

Select the pressure control, and touch the "Confirm" button.



Standard: Normal

Type1:

If you apply this setting to all IUs in operation, the pressure control value changes.

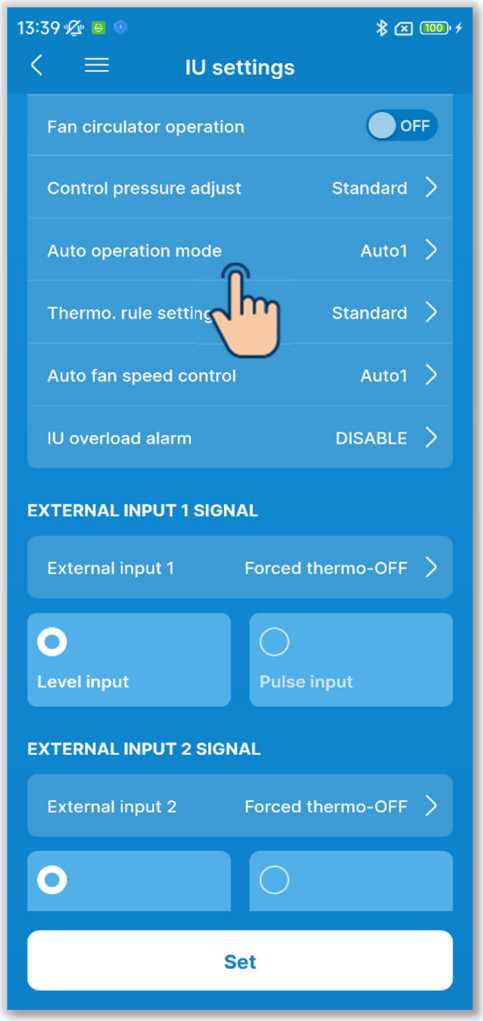


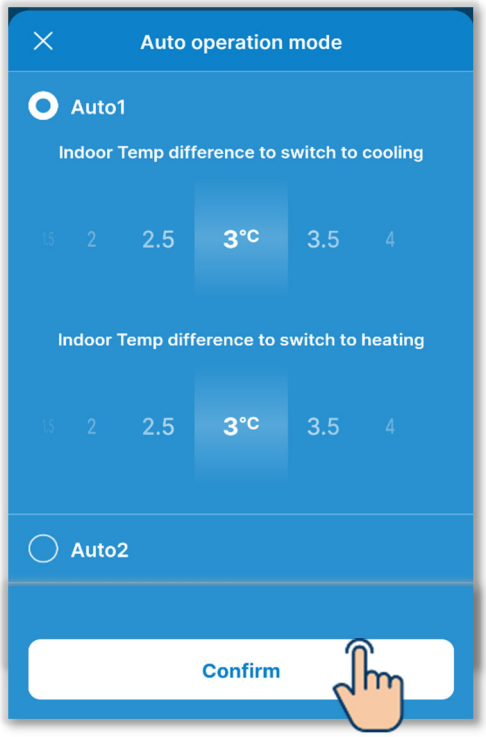
Figure 6-198

⑭Set the auto operation mode.

You can select the cooling/heating switch method in the auto operation mode from three methods.

Touch "Auto operation mode."

Select the auto operation mode and touch the "Confirm" button.



Auto 1: Cooling and heating are switched according to the temp difference between the set temp and the indoor temp.

Auto 2: Cooling and heating are switched according to the temp difference between the set temp and the indoor temp, as well as the outdoor temp.

Auto 3: Cooling and heating are switched according to the indoor temp and the outdoor temp.

✓If you select Auto 1

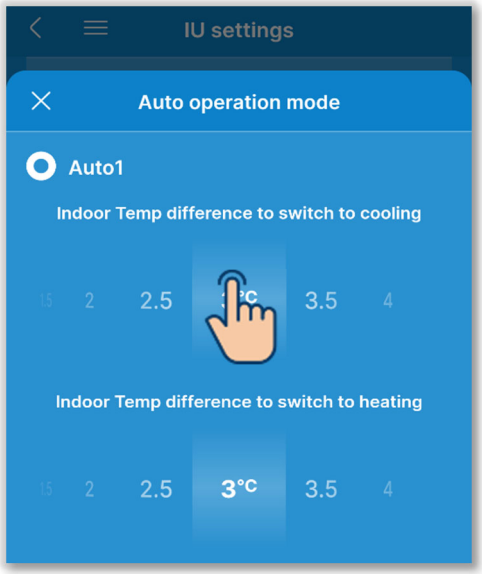


Figure 6-199

As related settings, you can set the indoor temp difference to switch to cooling and heating.

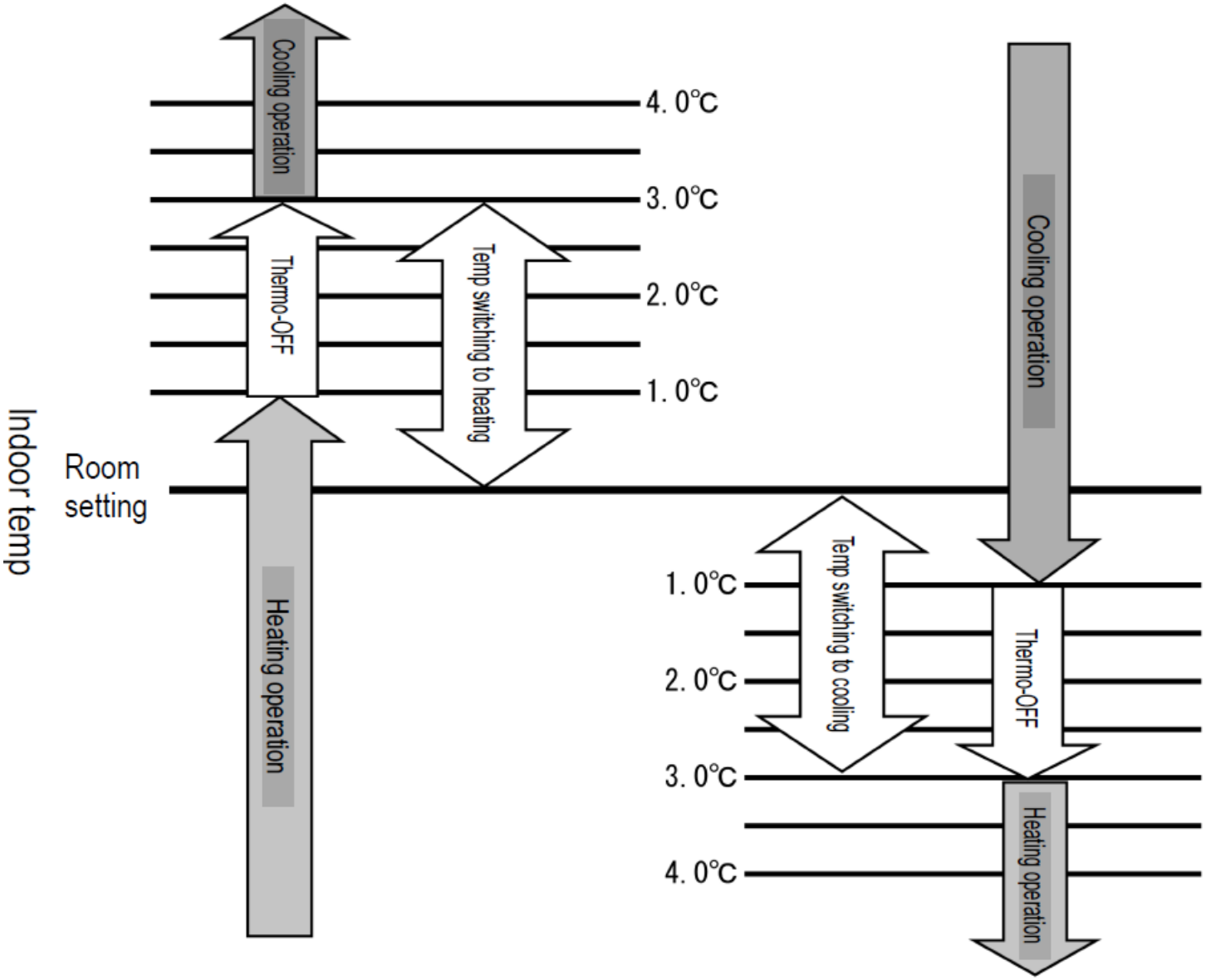
You can set them respectively in the range of 1°C to 4°C. (With an increment of 0.5°C)

[[Set temp – Indoor temp difference to switch to cooling] < [indoor return air temp]
⇨ Operation mode: Cooling

[Set temp + Indoor temp difference to switch to heating] > [indoor return air temp]
⇨ Operation mode: Heating

✓If you select Auto 1 (continuation)

<Example: When the indoor temp difference to switch to cooling/heating is 3°C>



- Interval at least for 5 minutes is needed after cooling and heating are switched.

✓If you select Auto 2

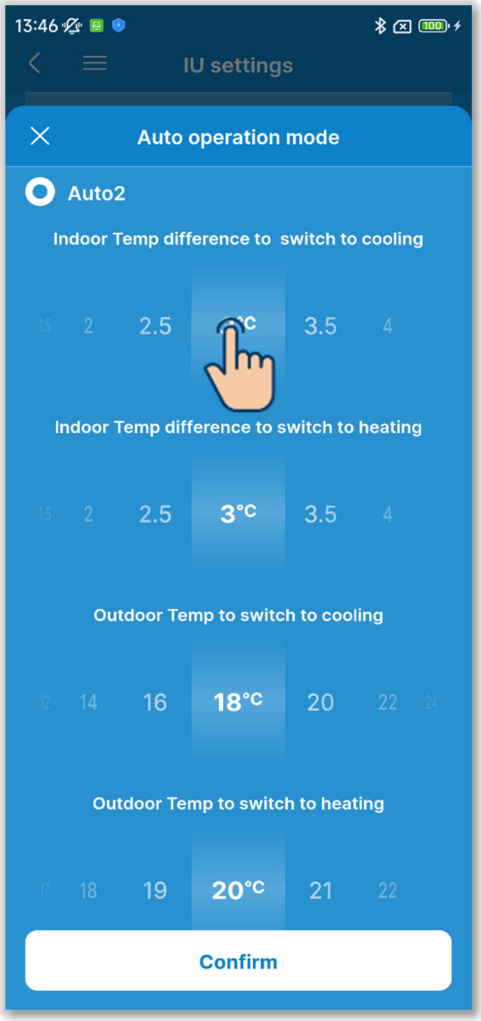


Figure 6-200

As related settings, you can set the following.

Indoor temp difference to switch to cooling:

You can set it in the range of 1°C to 4°C. (With an increment of 0.5°C)

Indoor temp difference to switch to heating:

You can set it in the range of 1°C to 4°C. (With an increment of 0.5°C)

Outdoor temp to switch to cooling:

You can set it in the range of 10°C to 30°C. (With an increment of 2°C)

Outdoor temp to switch to heating:

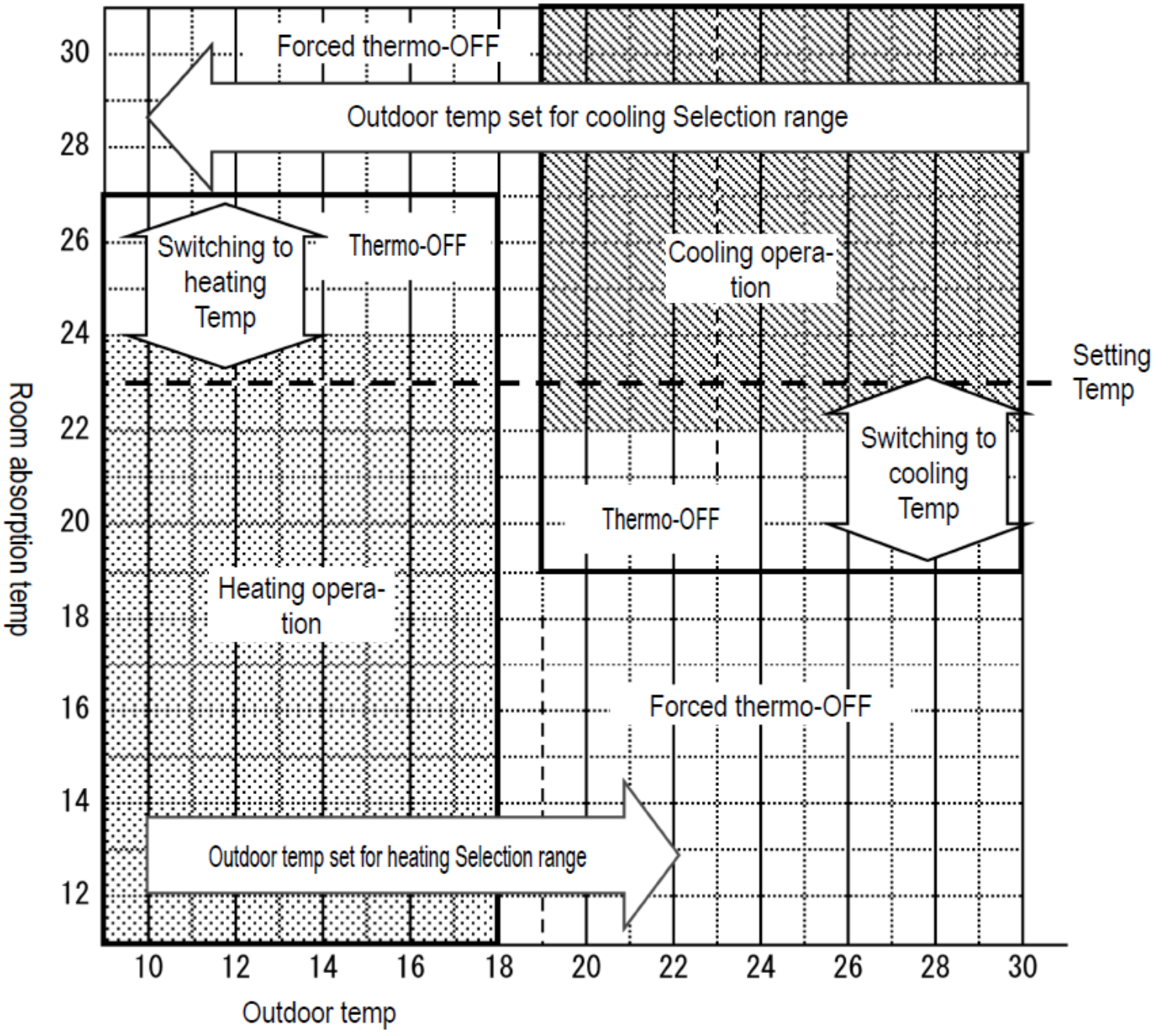
You can set it in the range of 10°C to 22°C. (With an increment of 1°C)

[Set temp – indoor temp difference to switch to cooling] < [indoor return air temp] and
[Outdoor temp to switch to cooling] < [outdoor air temp]
⇨ Operation mode: Cooling

[Set temp + indoor temp difference to switch to heating] > [indoor return air temp] and
[Outdoor temp to switch to heating] > [outdoor air temp]
⇨ Operation mode: Heating

✓If you select Auto 2 (continuation)

<Example: The indoor temp difference to switch to cooling/heating is 4°C, the outdoor temp to switich to cooling is 19°C, and the outdoor temp to switch to heating is 18°C.>



- Interval at least for 5 minutes is needed after cooling and heating are switched.

✓If you select Auto 3

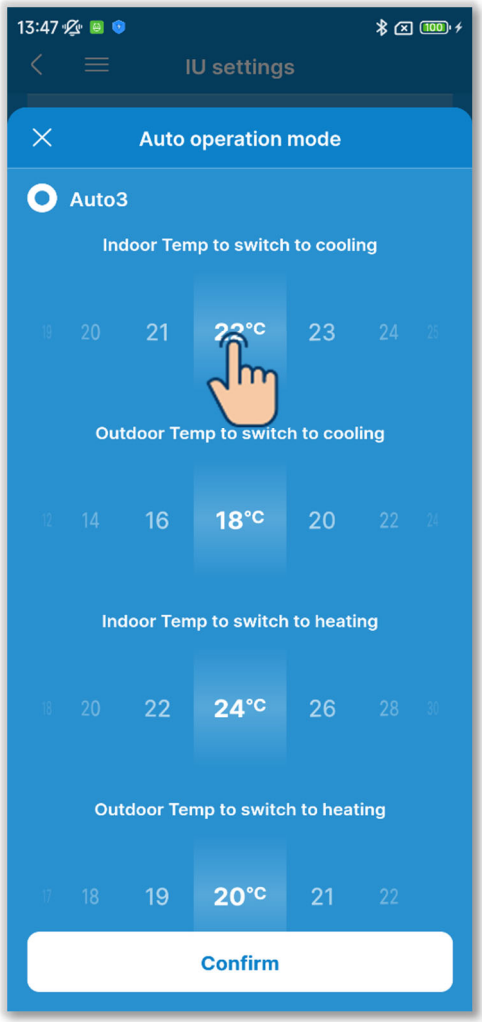


Figure 6-201

As related settings, you can set the following.

Indoor temp to switch to cooling:
You can set it in the range of 18°C to 30°C. (With an increment of 1°C)

Indoor temp to switch to heating:
You can set it in the range of 10°C to 30°C. (With an increment of 2°C)

Outdoor temp to switch to cooling:
You can set it in the range of 10°C to 30°C. (With an increment of 2°C)

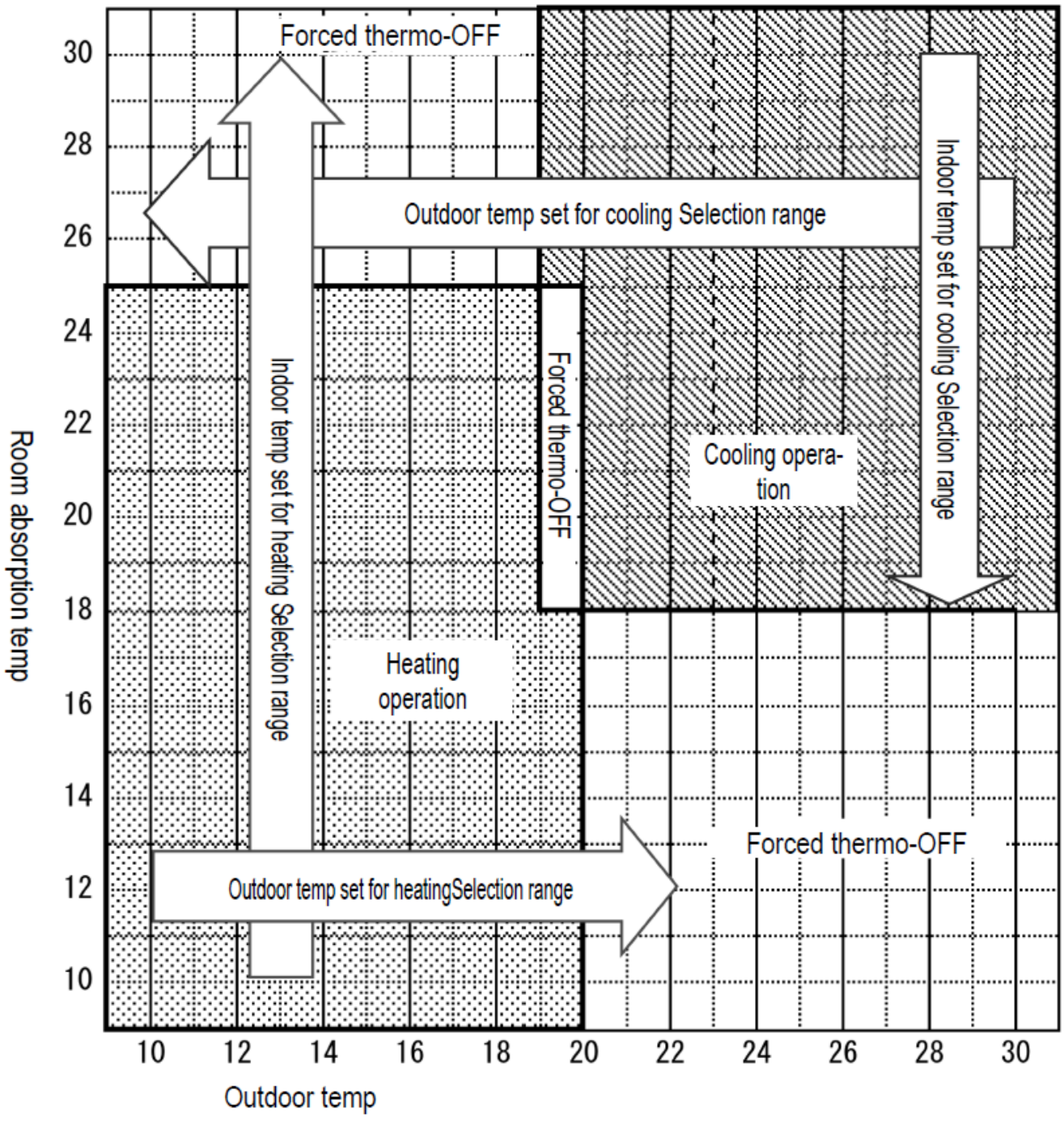
Outdoor temp to switch to heating:
You can set it in the range of 10°C to 22°C. (With an increment of 1°C)

[Indoor temp to switch to cooling] < [indoor return air temp] and [Outdoor temp to switch to cooling] < [outdoor air temp]
⇨ Operation mode: Cooling

[Indoor temp to switch to heating] > [indoor return air temp] and [Outdoor temp to switch to heating] > [outdoor air temp]
⇨ Operation mode: Heating

✓If you select Auto 3 (continuation)

<Example: The outdoor temp to switch to cooling is 19°C, the outdoor temp to switch to heating is 20°C, the indoor temp to switch to cooling is 18°C, and the indoor temp to switch to heating is 25°C>



- Interval at least for 5 minutes is needed after cooling and heating are switched.

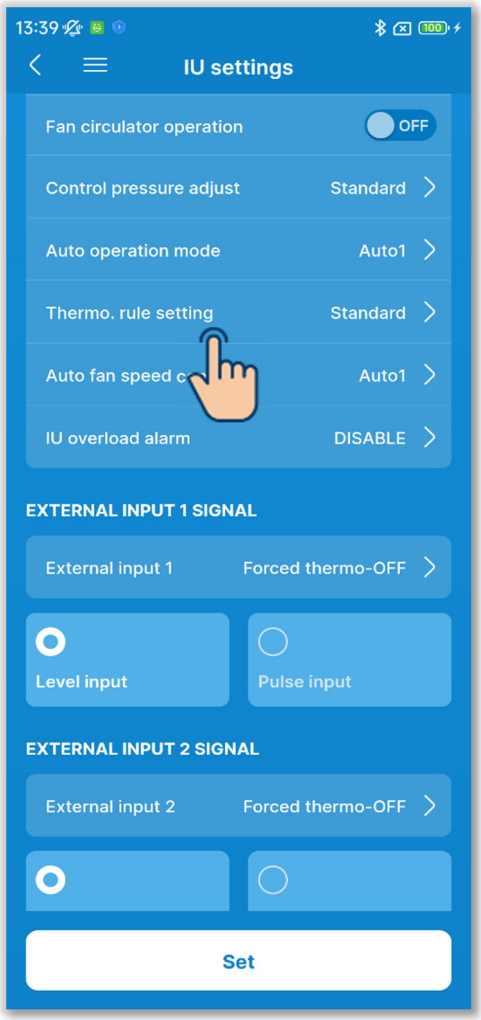
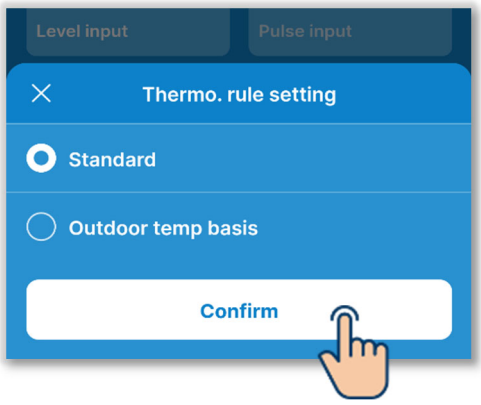


Figure 6-202

⑮Set the thermo rule setting.

Touch "Thermo rule setting."

Select the thermo rule setting control and touch the "Confirm" button.



Standard:

The thermostat judges based on the difference between the indoor temp and set temp.

Outdoor temp basis:

The thermostat judges based on the outdoor temp with the cooling and heating offset values and the indoor temp. The room temp setting will be disabled.

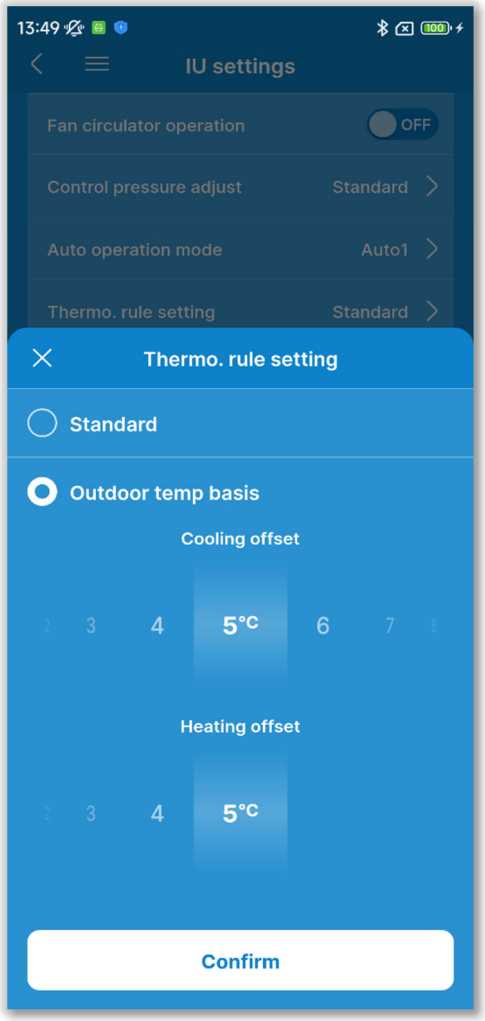


Figure 6-203

If you select "Outdoor temp basis," you can set the offset value for making a thermo judgment in the following range.

Cooling offset:

0 to 10°C (with an increment of 1°C).

Thermostat trips ON when [indoor temp > (outdoor temp - cooling offset value)].

Heating offset:

0 to 5°C (with an increment of 1°C).

Control so [indoor temp < (outdoor temp + heating offset value).

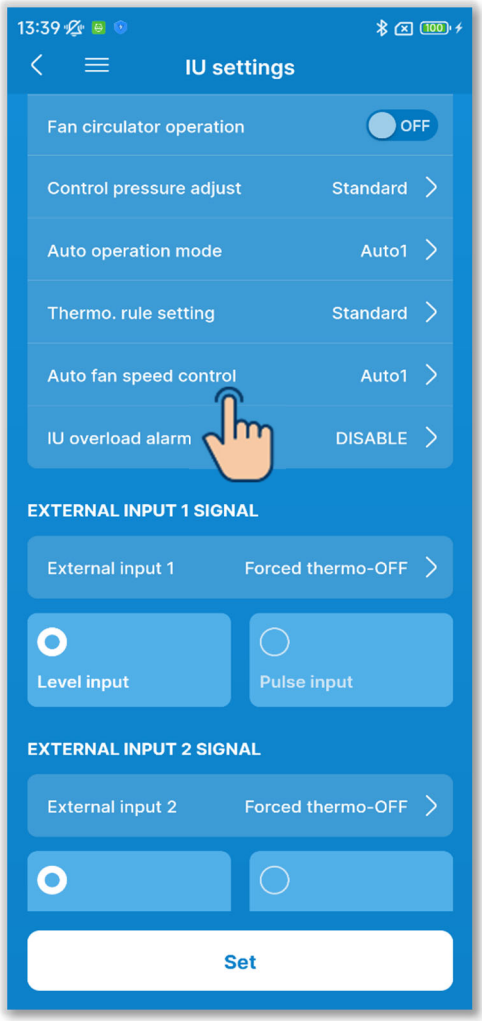
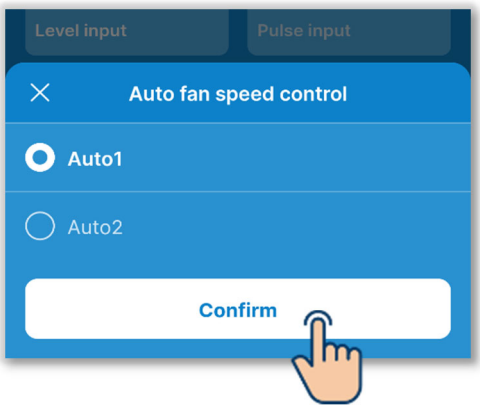


Figure 6-204

⑯Set the auto fan speed control.

Touch "Auto fan speed control."

Select the switch range for the auto fan speed control, and touch the "Confirm" button.



Auto1:

The fan tap is changed in the range of High → Medium → Low.

Auto2:

The fan tap is changed in the range of Powerful high → High → Medium → Low.

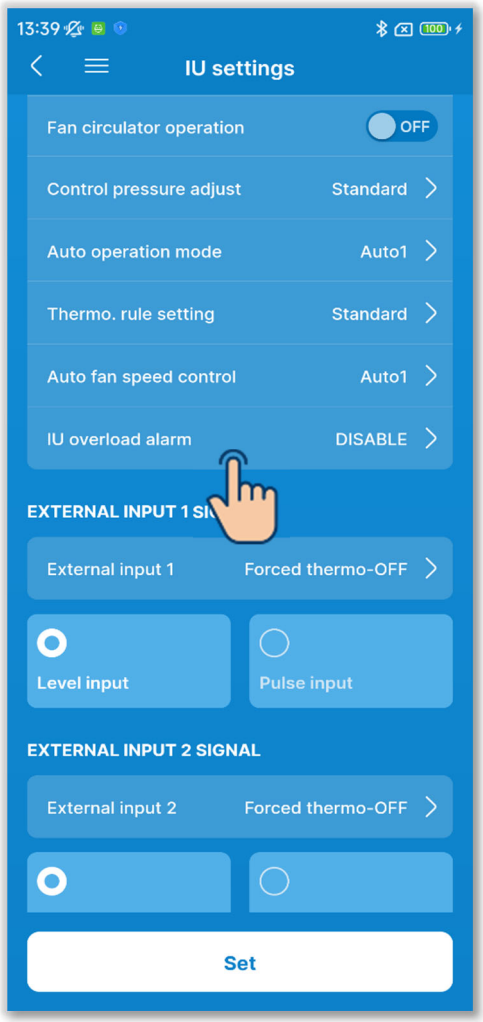
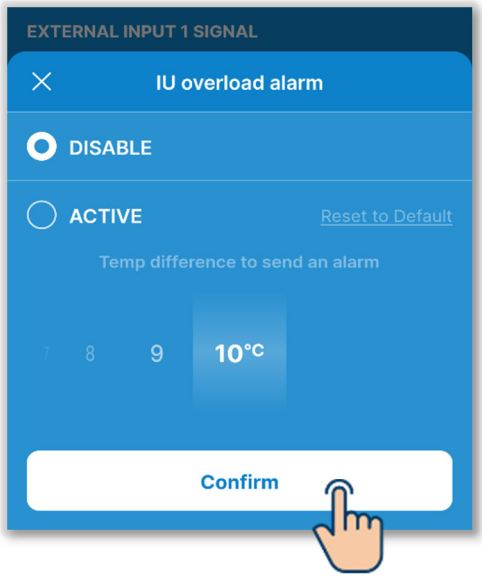


Figure 6-205

⑰Set the IU overload alarm.
Touch "IU overload alarm."

Select Disable or Enable of the IU overload alarm, and touch the "Confirm" button.



If you select "Enable," select the temp difference from the set temp to set off an alarm from the range of 5°C to 10°C. (With an increment of 1°C)

If the difference between the set temp and the return air temp exceeds the temp difference set in the IU overload alarm at 30 minutes after the start of operation, an overload alarm signal is transmitted from the external output (CNT-5).

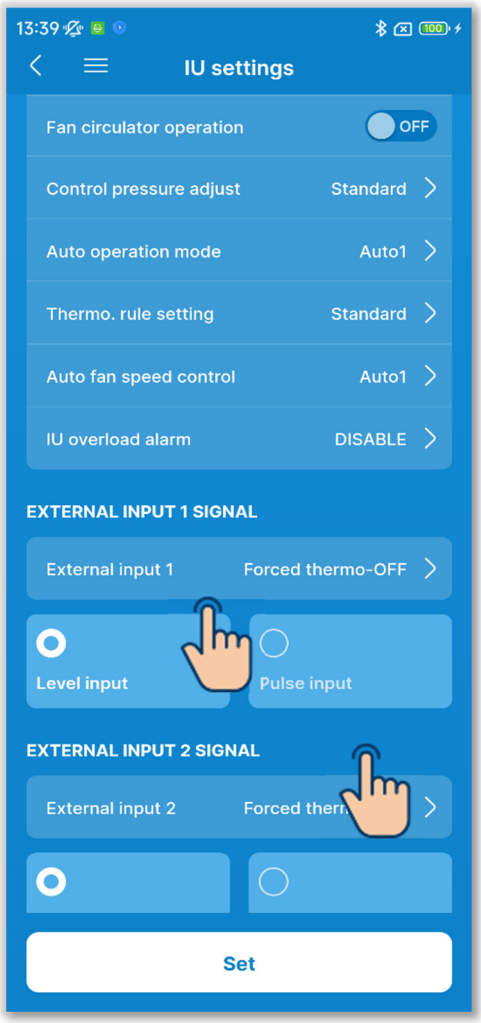


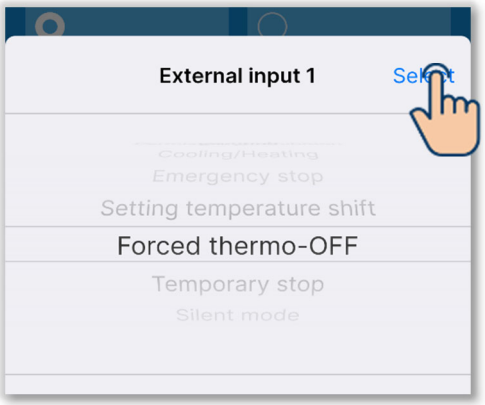
Figure 6-206

⑱Set the external input 1.

Select the control and input method to input CNT in the external input 1 from the IU.

Touch "External input 1."

Select the control for external input 1, and touch the "Set" button.



Select the input signal method for external input 1 from level input or pulse input.

SUPPLEMENT

For more information, see the technical data for the IU.

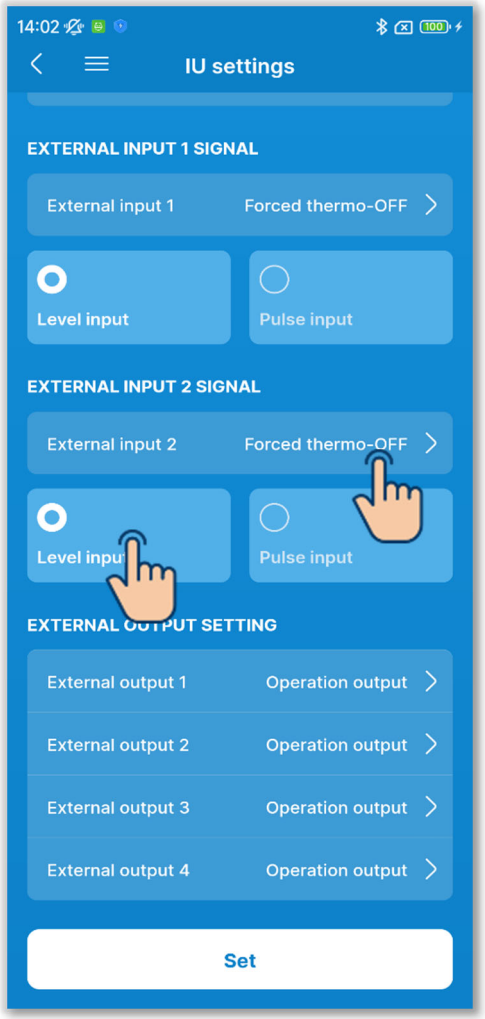


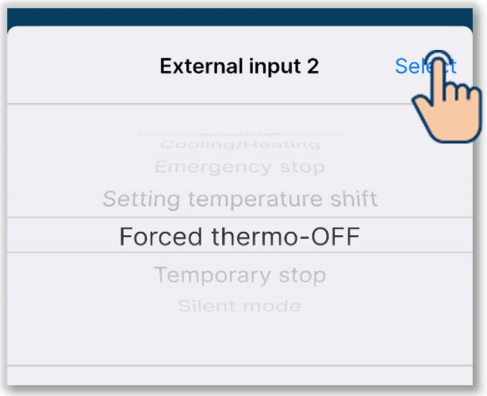
Figure 6-207

⑲Set the external input 2.

Select the control and input method to input CNT in the external input 2 from the IU.

Touch "External input 2."

Select the control for external input 2, and tou ch the "Set" button.

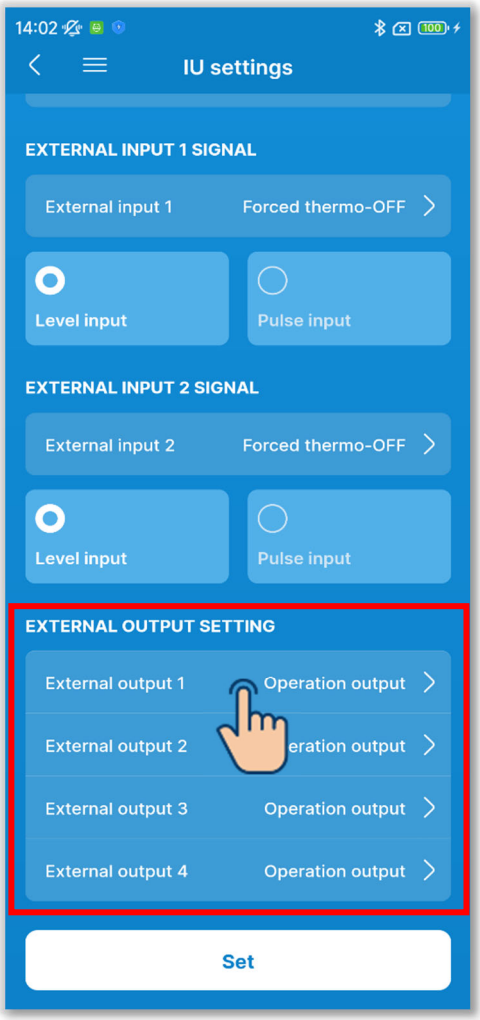


Select the input signal method for external input 2 from level input or pulse input.

SUPPLEMENT

You can set the external input 2 if you are using an IU with external input 2 together.

For more information, see the technical data for the IU.



⑳Set the external output setting.

Select the function assigned to each external output.
Select output "External output n" you want to change. (n: 1 to 4)

Select a function*1 and touch the "Select" button.

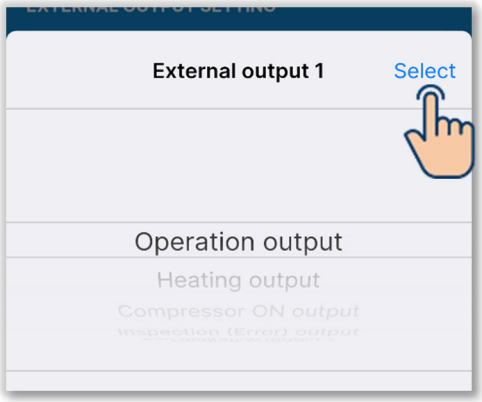


Figure 6-208

*1: You can select the following functions.

Operation output	Fan operation output 3
Heating output	Defrost & oil return output
Compressor ON output	Ventilation output
Inspection (Error) output	Heater output
Cooling output	Free cooling output
Fan operation output 1	Indoor unit overload alarm output
Fan operation output 2	Refrigerant leakage output

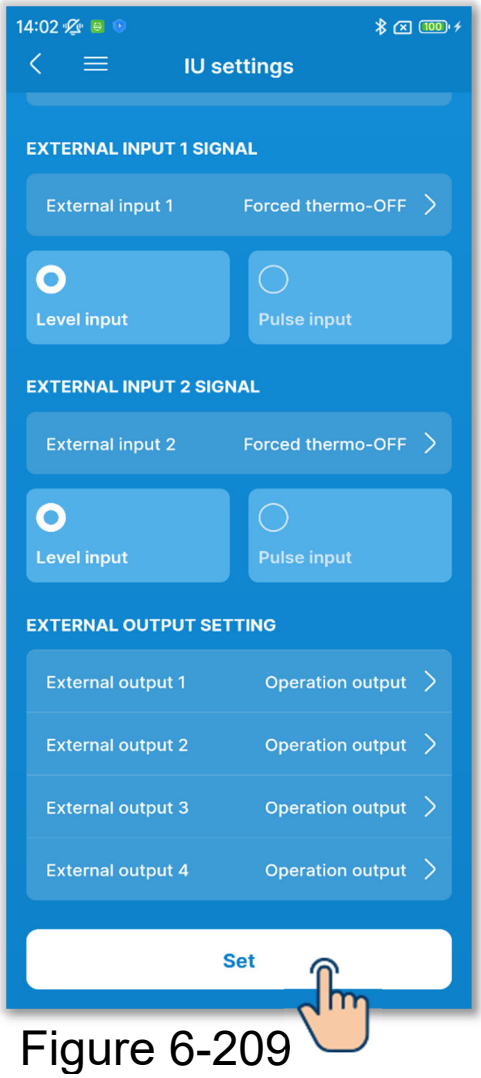


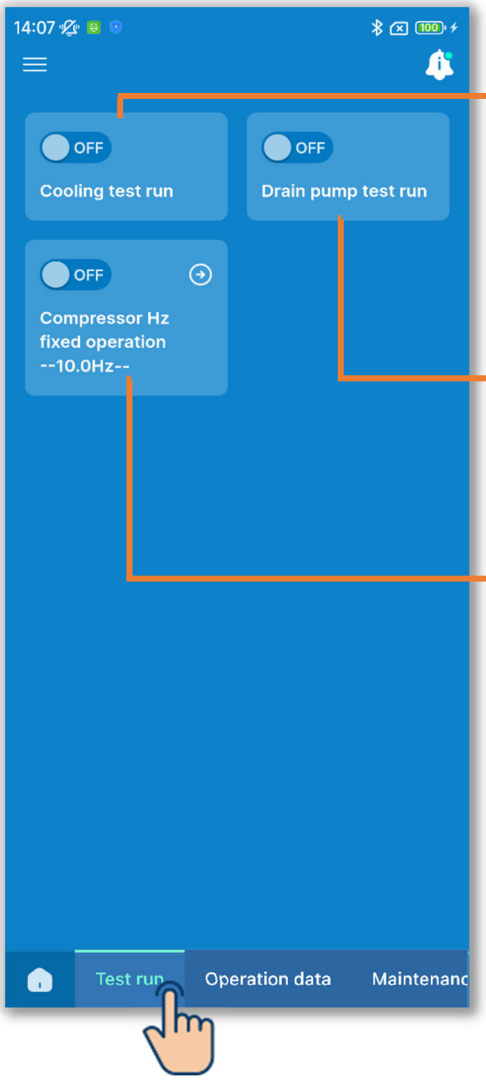
Figure 6-209

㉑Touch the "Set" button.

CAUTION

If you do not touch "Set," the contents in ① to ⑳ are not transmitted to the R/C. Do not forget to touch it.

6.3.4. Test run



Touch the "Test run" tab.

Cooling test run:
Perform a cooling test run.

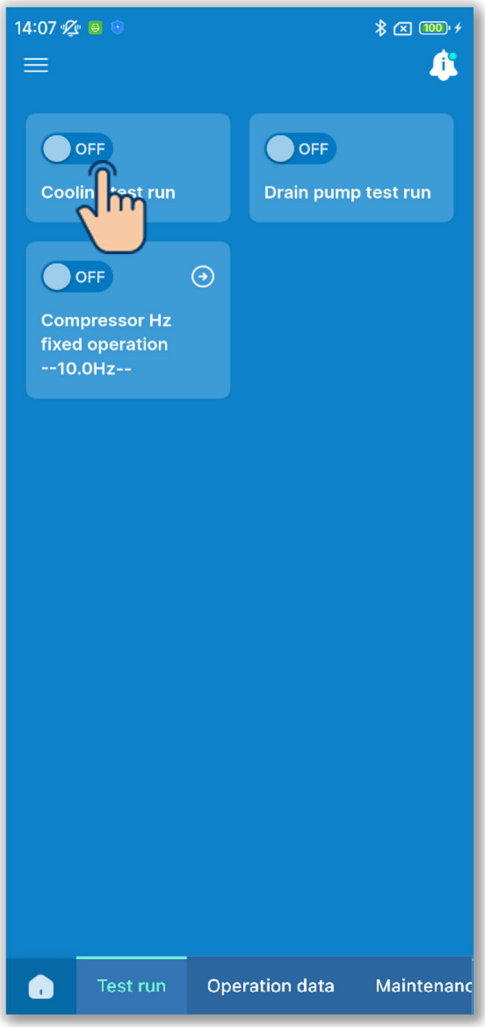
Drain pump test run:
Run with a drain pump alone.

Compressor Hz fixed operation:
Fix the frequency of the compressor.

Figure 6-210

6.3.4.1. Cooling test run

This can be operated when the room temp is too low to start the cooling operation. It operates for 30 minutes by decreasing the set temp to 5°C.



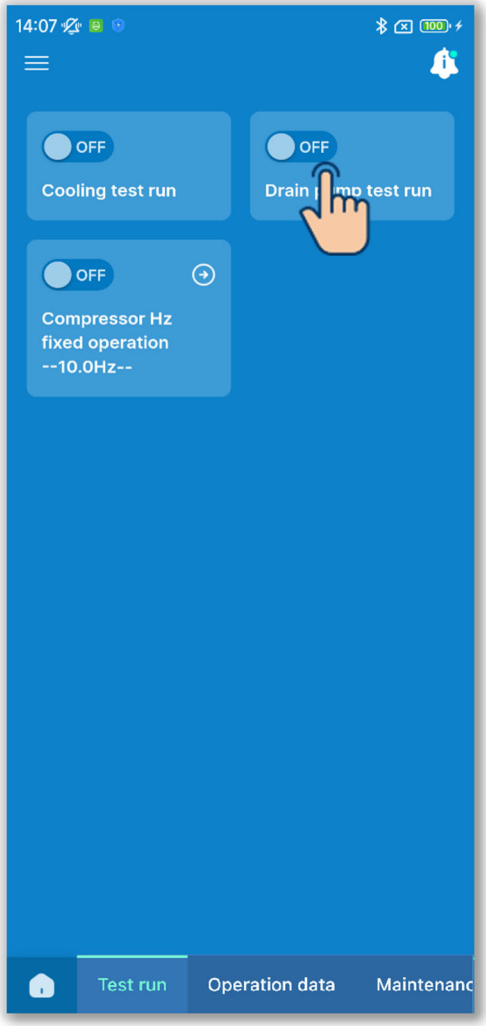
Touch the toggle to start or stop the cooling test run.

- The test run is performed for 30 minutes and then ends.
- If you run or stop the unit, change the operation mode, or change the set temp with the R/C or application, the test run stops.

Figure 6-211

6.3.4.2. Drain pump test run

The drain pump can be operated independently.



Touch the toggle to start or stop the drain pump test run.

CAUTION

- After checking the operation by running a drain pump test run, be sure to perform the stop operation.
- If pairing between the R/C and the application is disconnected, the test run ends.

Figure 6-212

6.3.4.3. Compressor Hz fixed operation

The frequency of the compressor can be fixed.

①Touch button to change the frequency.
Select the frequency from the range of 1.0 Hz to 150.0 Hz, and touch the "Select" button, (With an increment of 0.1 Hz)

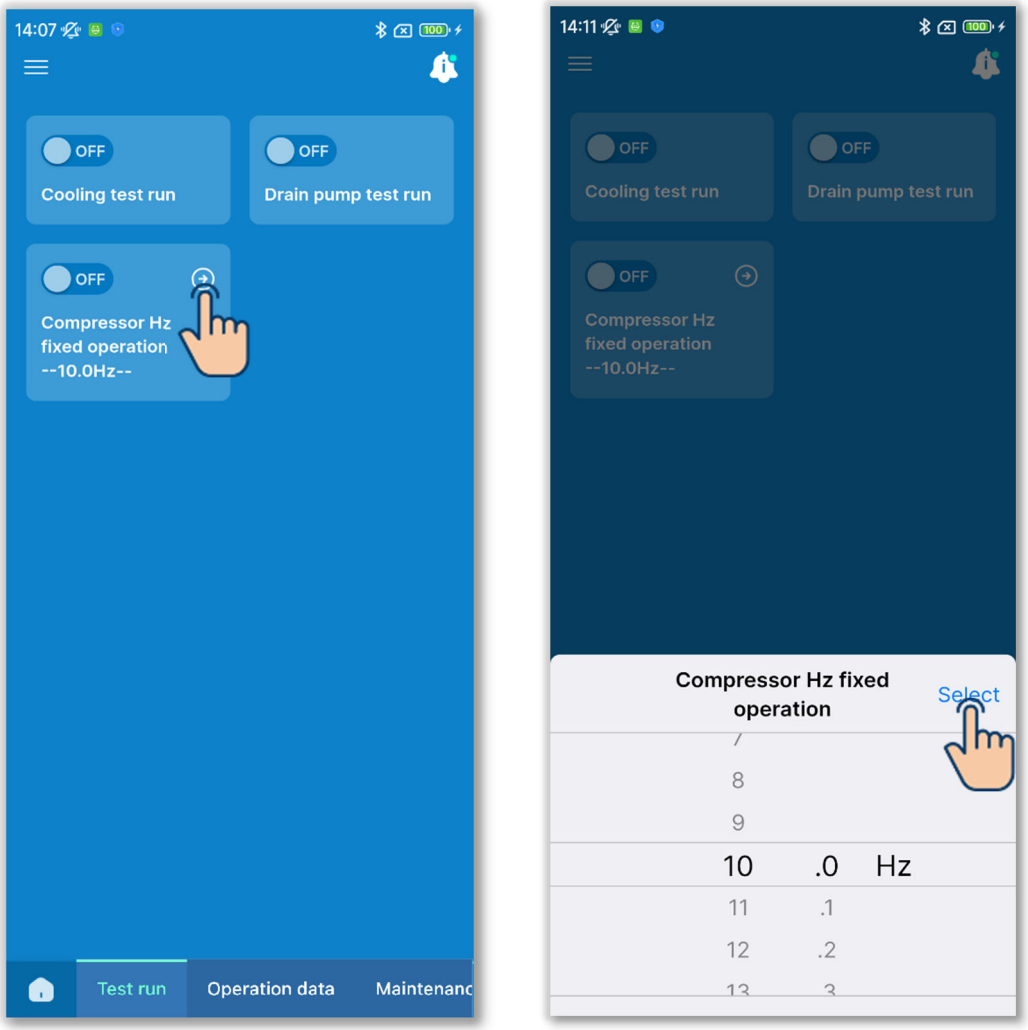


Figure 6-213

Figure 6-214

②Touch the toggle to switch ON or OFF the compressor Hz fixed operation.

CAUTION

- If there is no need to fix the frequency after fixing it, be sure to switch OFF the setting.
- If pairing between the R/C and the application is disconnected, the setting is switched off.

6.3.5. Operation data display

Display the operation data of IU and OU. You can also attach the data to an e-mail.

Figure 6-215

Touch the "Operation data" tab.

①Select the IU to display the operation data from a list of IUs.

You can select only one unit.

②The operation data is displayed.

Touch the "Refresh All" button to update the data.

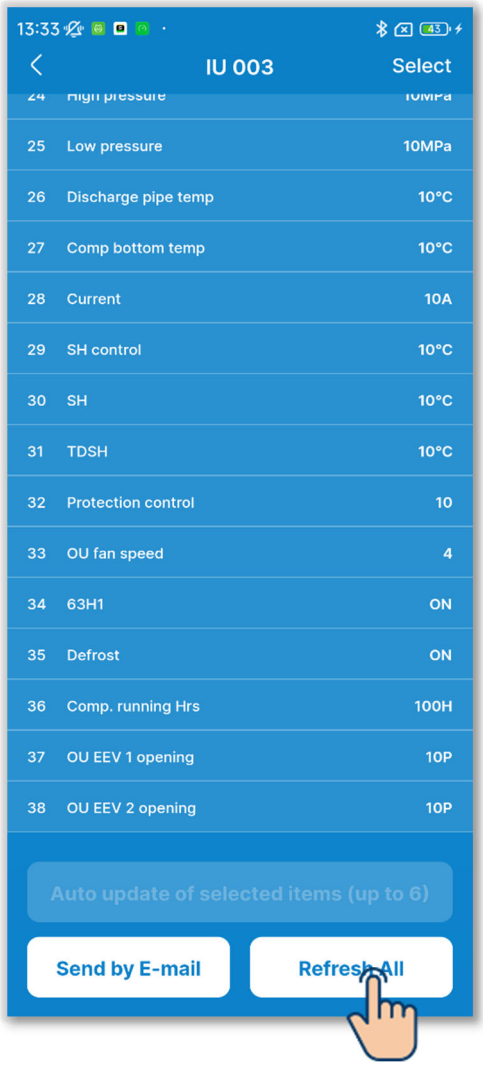


Figure 6-216

CAUTION

It may take a few minutes to acquire the operation data.
Some data may be displayed as "---" for some IU and OU.

■ Sending the operation data by e-mail

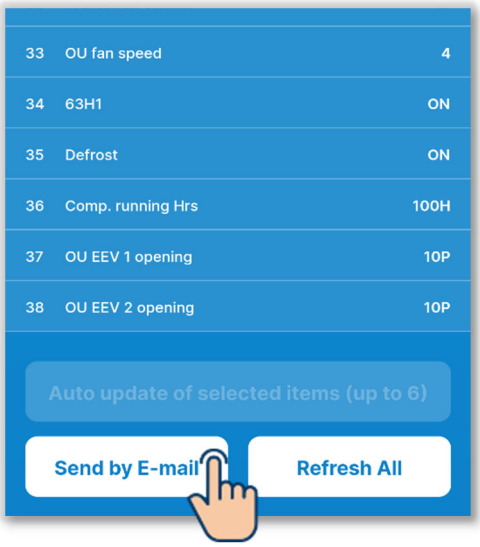


Figure 6-217

①Touch the "Send by E-mail" button.

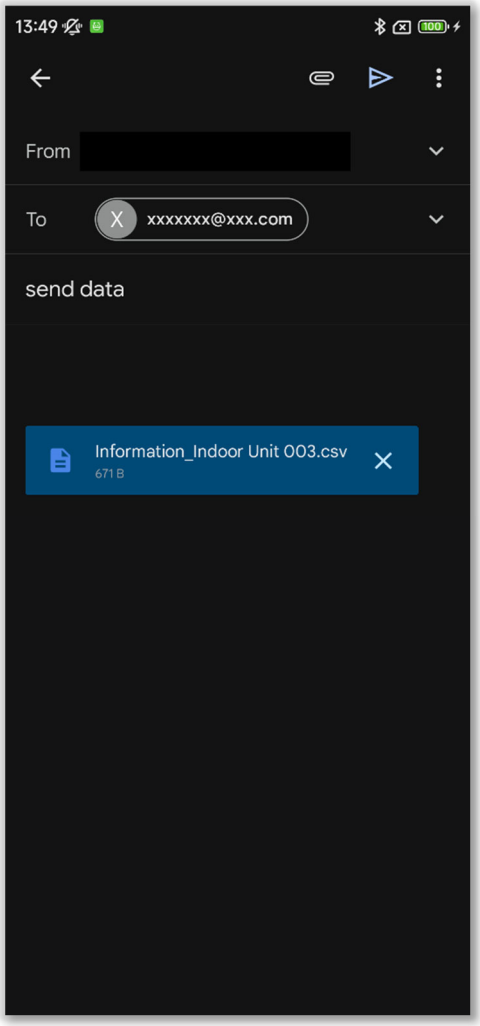


Figure 6-218

②The e-mail application starts and the operation data is attached in csv file format.

If you have set an e-mail address in Account Settings (→Section 2.3.3), the set e-mail address is entered in the To field.

■ Auto update of optional items

You can select up to 6 items and update them automatically.

①Touch the "Select" button.

Select up to 6 items to update the data automatically, and touch the "Auto update of selected items (up to 6)" button.

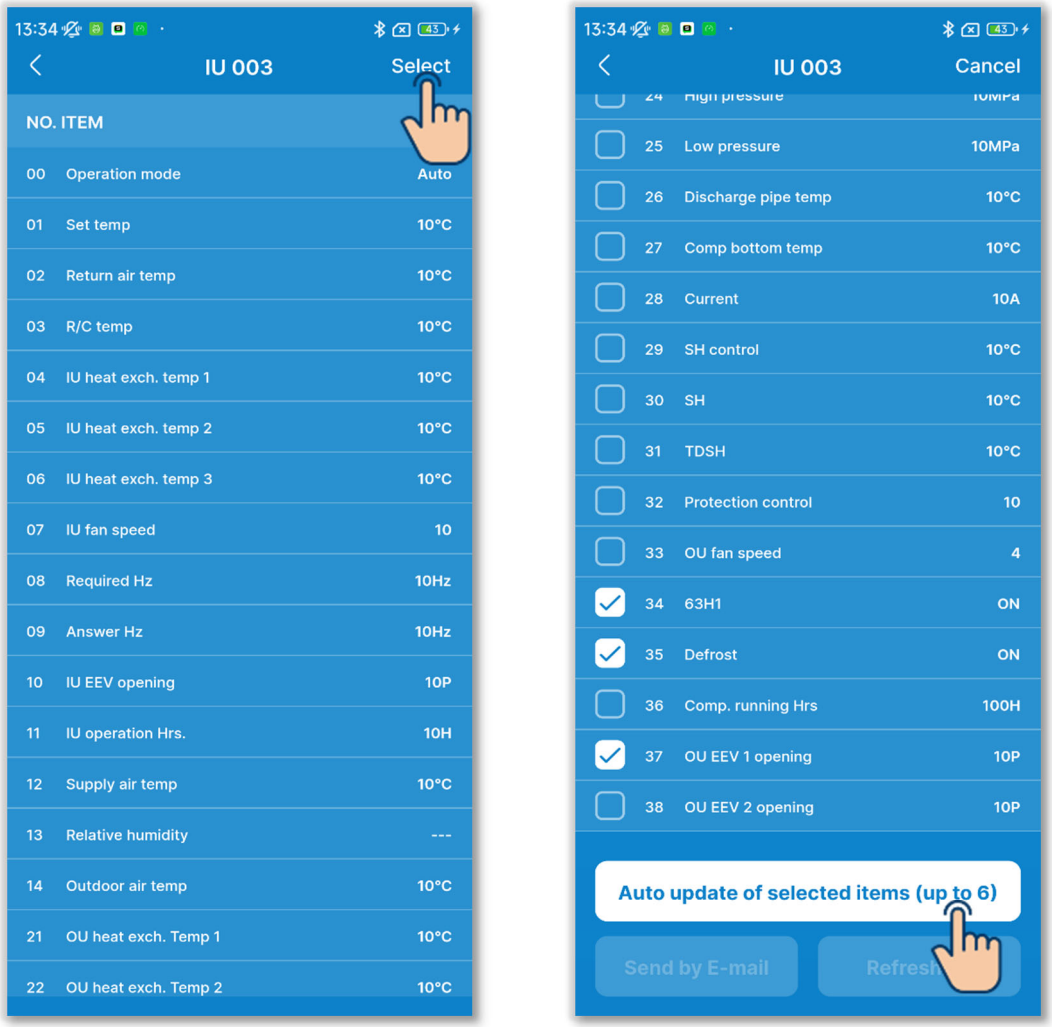


Figure 6-219

6.3.6. Maintenance information

You can check the information related to the maintenance of the R/C and units.

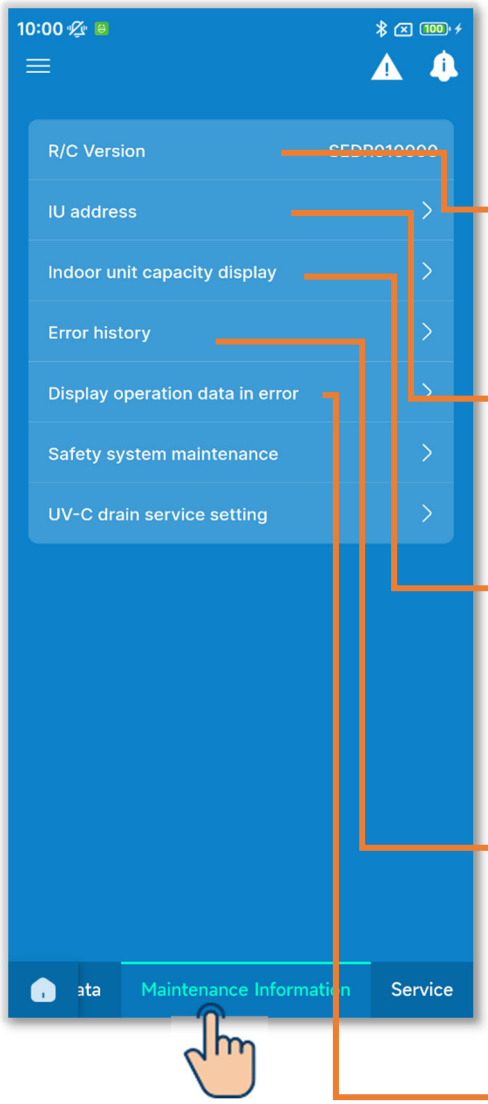


Figure 6-220

Touch the "Maintenance Information" tab.

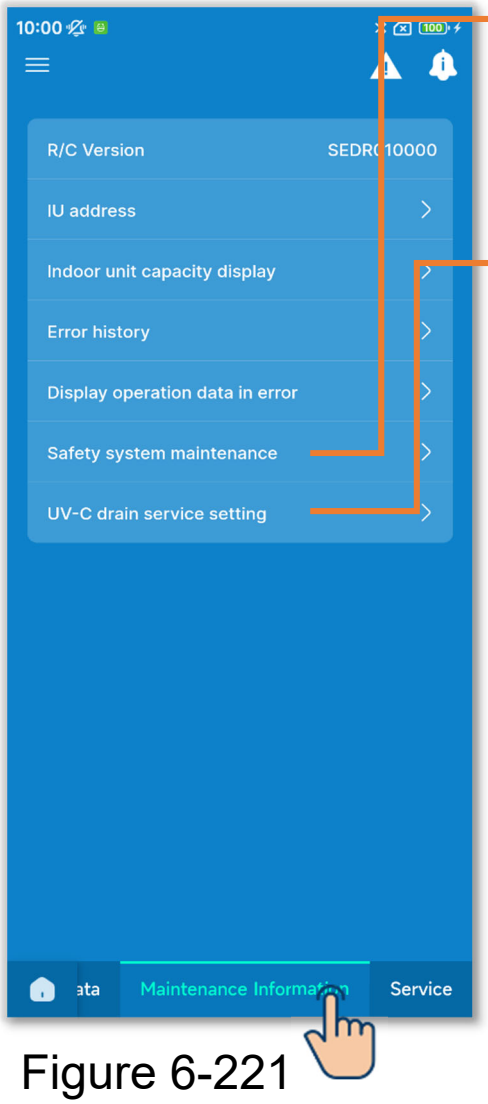
R/C Version:
Check the R/C version.

IU address:
Check the address of the IU & OU.

Indoor unit capacity display:
Displays the capacity of the IU connected to the R/C.

Error history:
Displays the error date and time, IU address, and error code.

Display operation data in error:
Displays the operation data immediately before an error occurs.



Safety system maintenance:

You can check the status concerning the safety system.

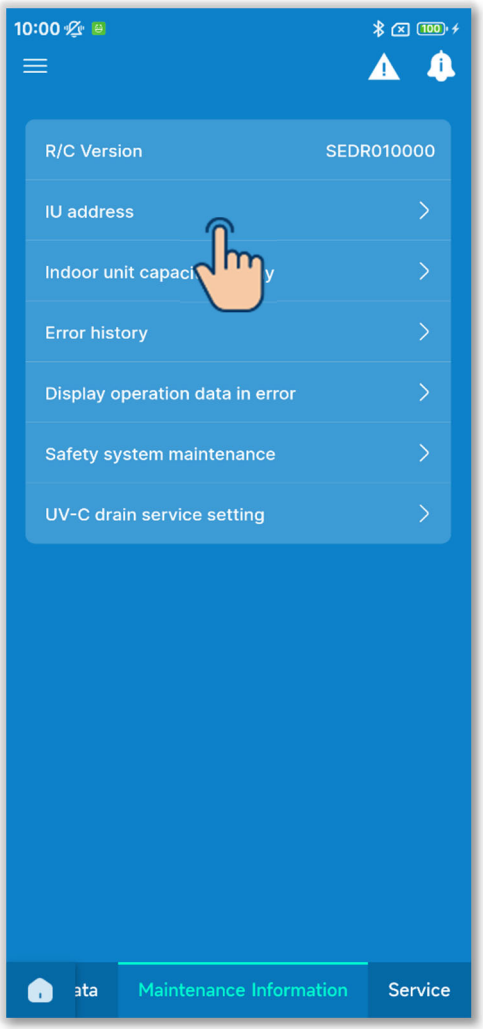
UV-C drain service setting:

You can reset the setting of strength and time and operation hours of the UV-C.

Figure 6-221

①Display the IU address.

Touch "IU address" to check the address of the IU & OU.



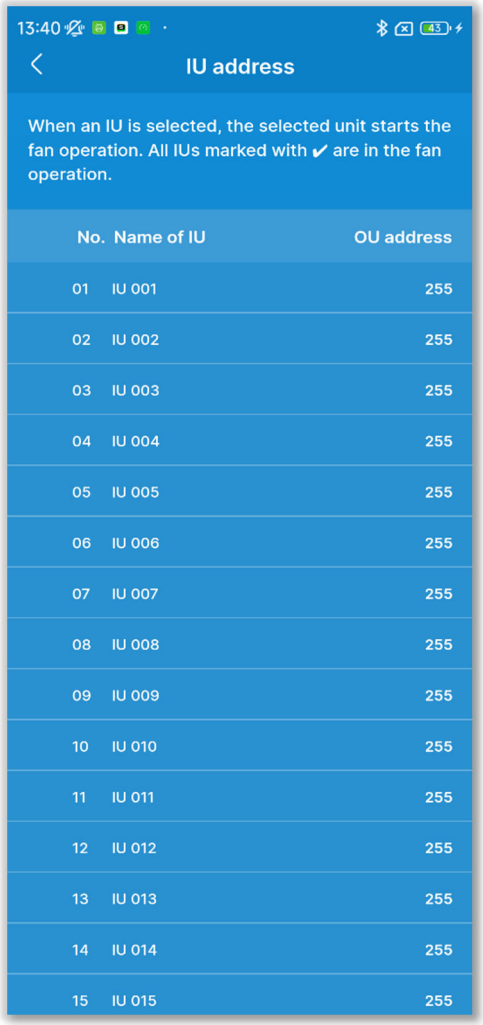


Figure 6-222

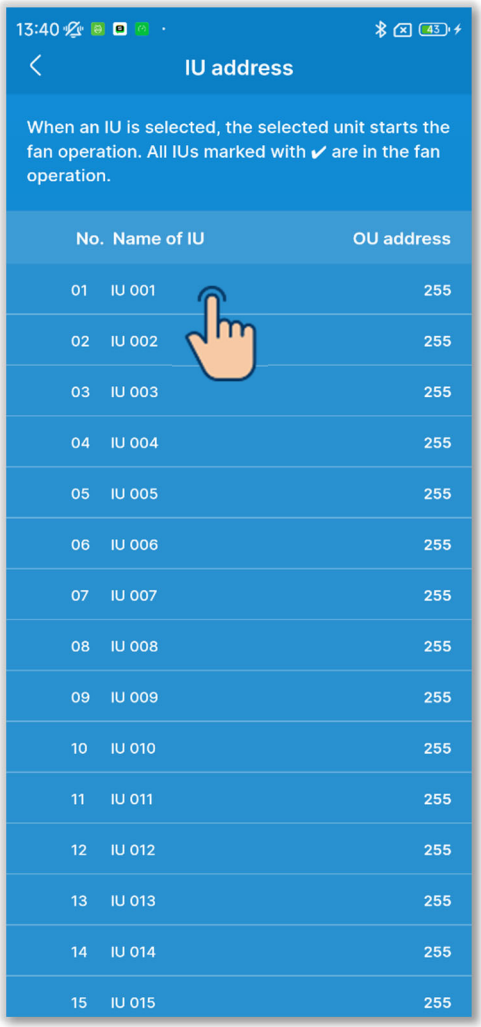
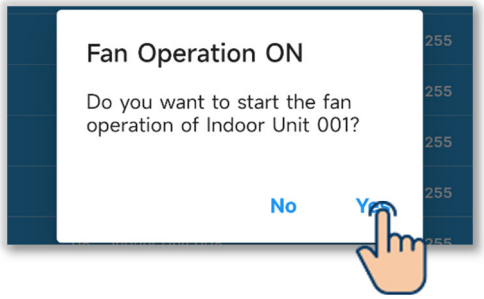
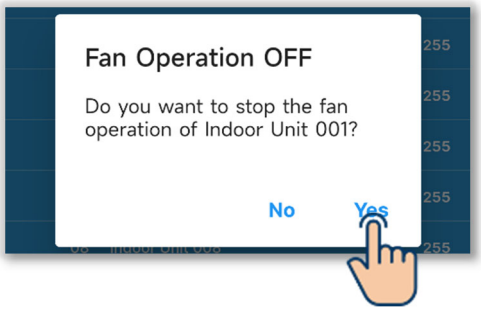


Figure 6-223

When an IU is touched on the IU address screen, the fan of the touched IU can be operated.
A confirmation popup appears. Select "Yes" to start the fan operation.



The IU performing fan operation is marked with “✓”. Touch it again to stop the fan operation.
A confirmation popup appears. Select "Yes" to stop the fan operation.

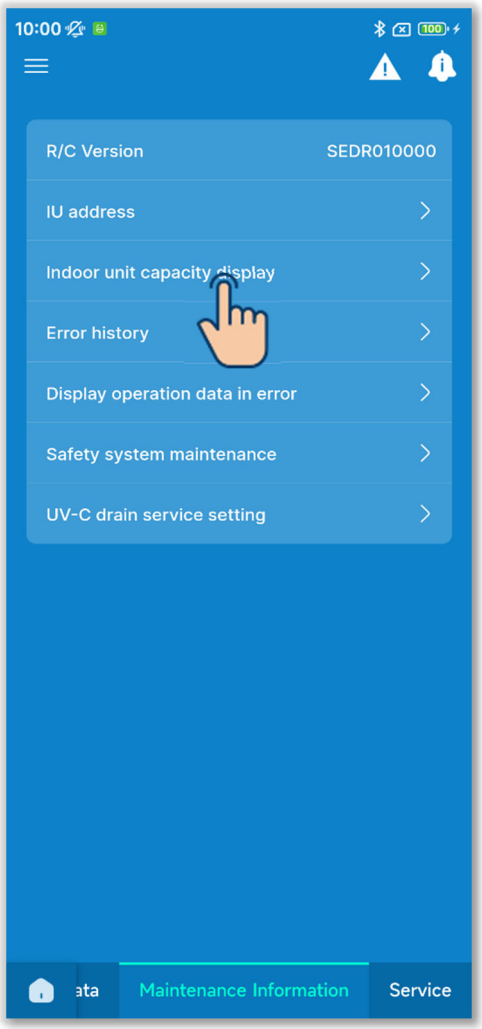


CAUTION

- You can select only one unit for performing fan operation. After checking the IU by the fan operation, be sure to stop the fan operation.

②Display the IU capacity.

Touch "IU capacity display" to display the capacity of the IU connected to the R/C.



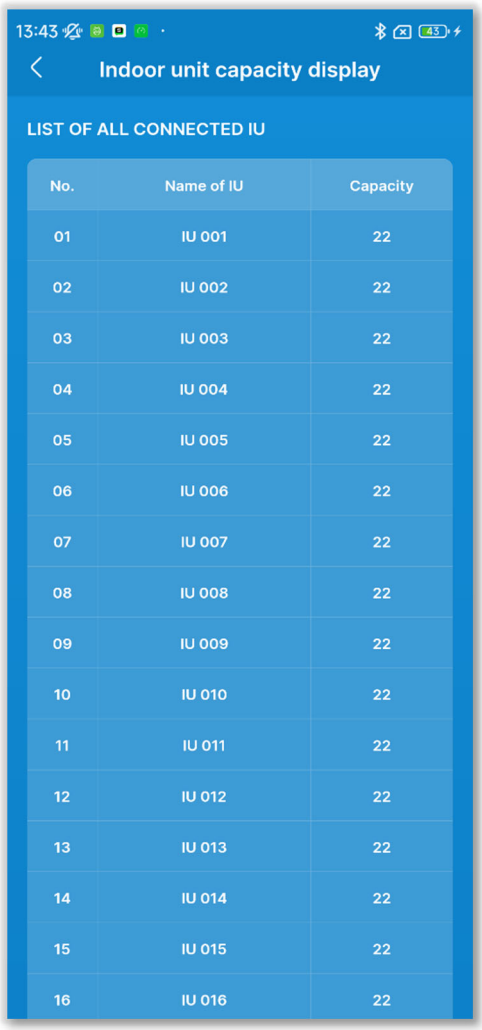
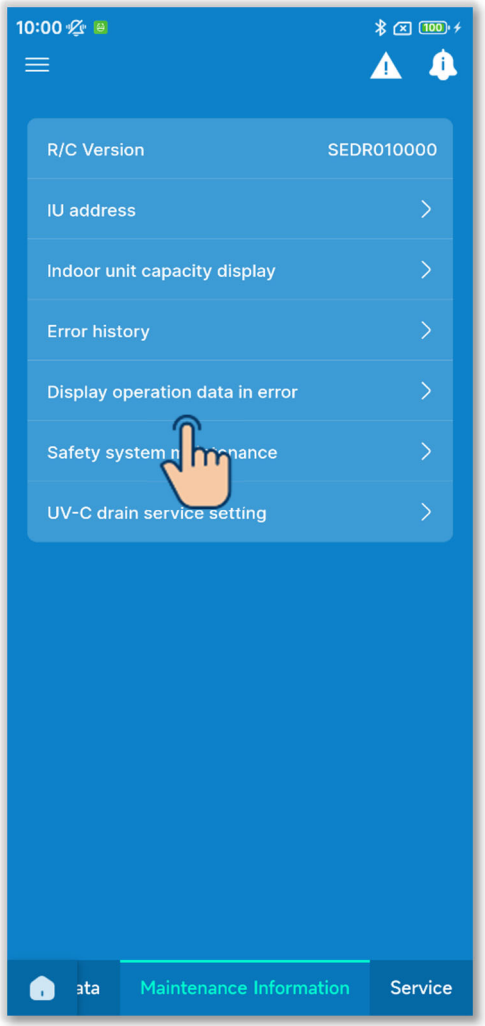


Figure 6-224

③Display the error history.

Touch "Error history" to display the error date and time, IU address, and error code.



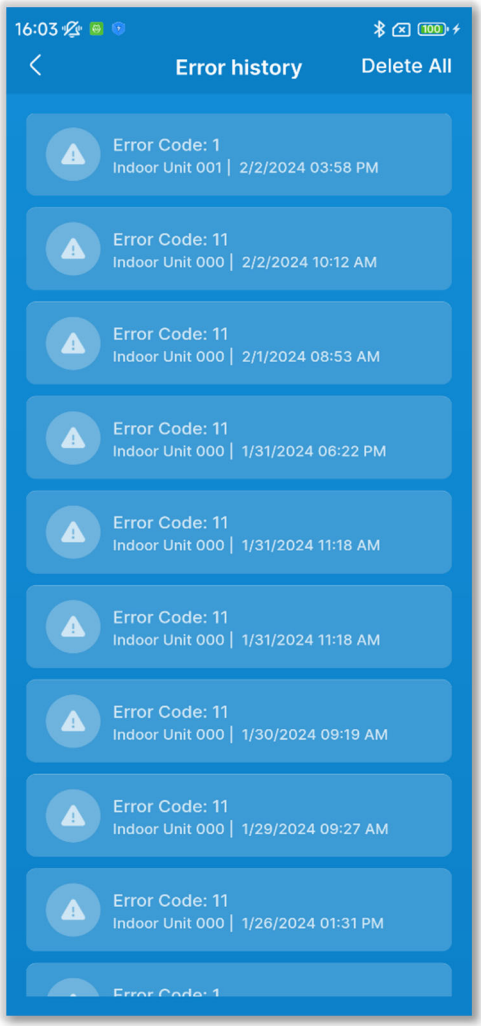


Figure 6-225

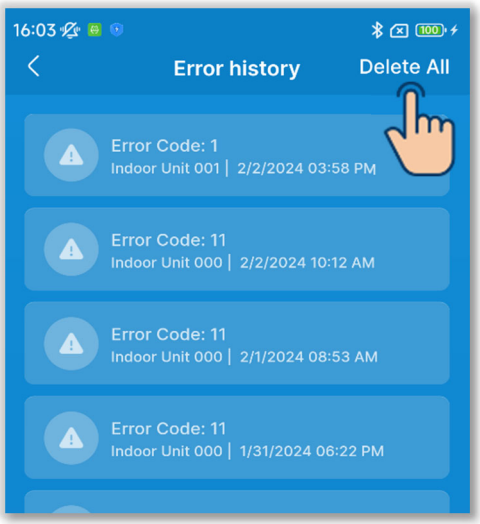
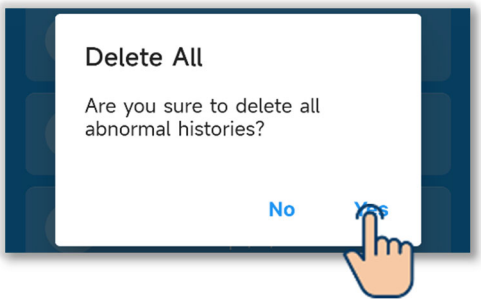


Figure 6-226

Touch the "Delete All" button to delete the history.

A confirmation popup appears. Select "Yes" to delete it.



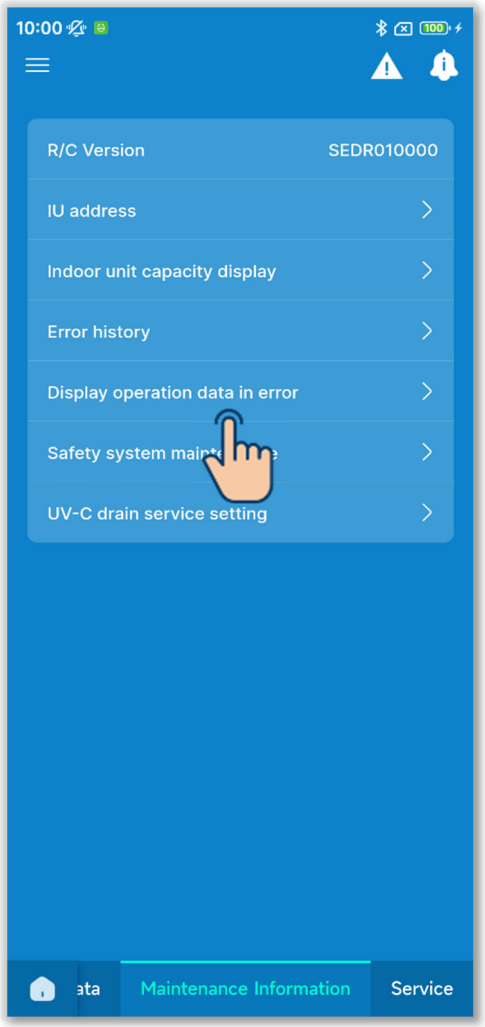


Figure 6-227

④Display the operation data in error.

Touch "Display operation data in error."
The procedure to display the operation data in error is the same as that of the operation data.* 1
(→Section 6.3.5)

*1: You cannot perform operations such as Refresh All and Auto update of optional items.

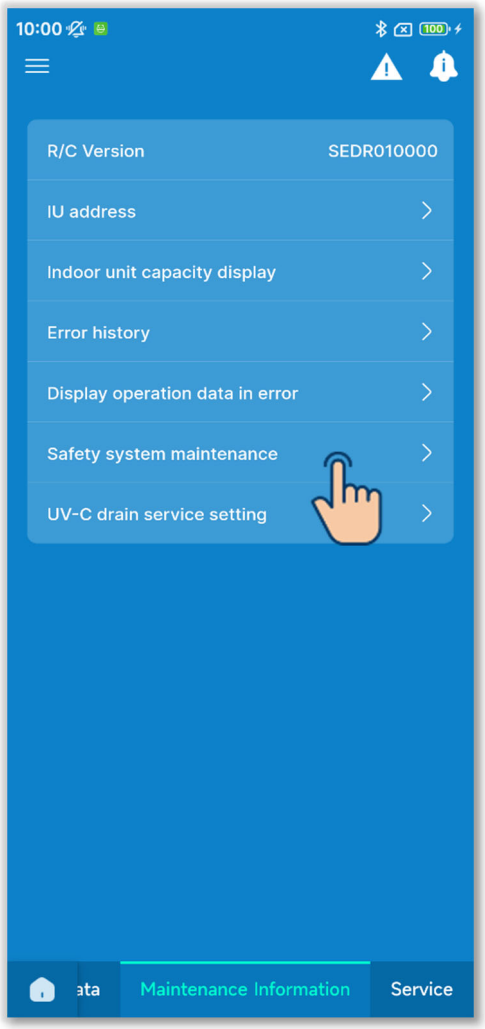


Figure 6-228

⑤Perform safety system maintenance.

Touch the " Safety system maintenance" button.

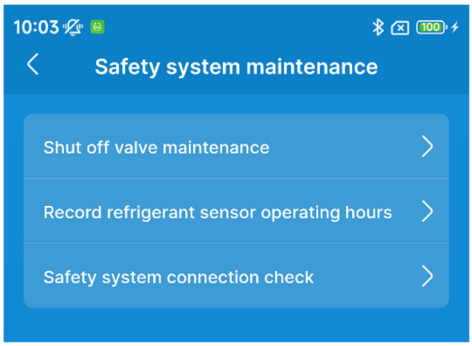
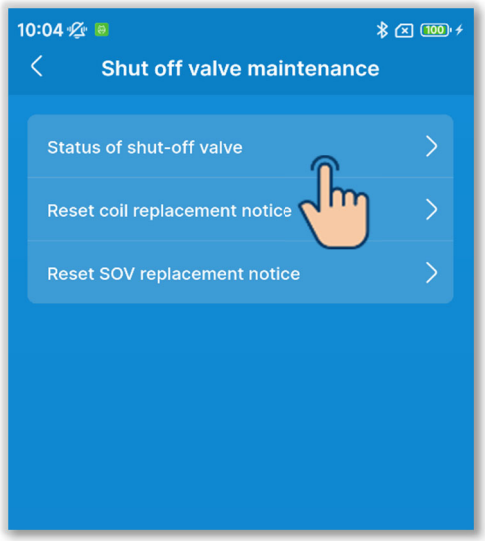


Figure 6-229

Select the function to set.



If you select “Safety system maintenance”, select the function to set.

Figure 6-230

If you select “Status of shut-off valve”, select the IU for which you want to check the status of the shut-off valve from the list of IUs, and touch the “Next” button.

You can select only one unit.

The status of the shut-off valve is displayed.

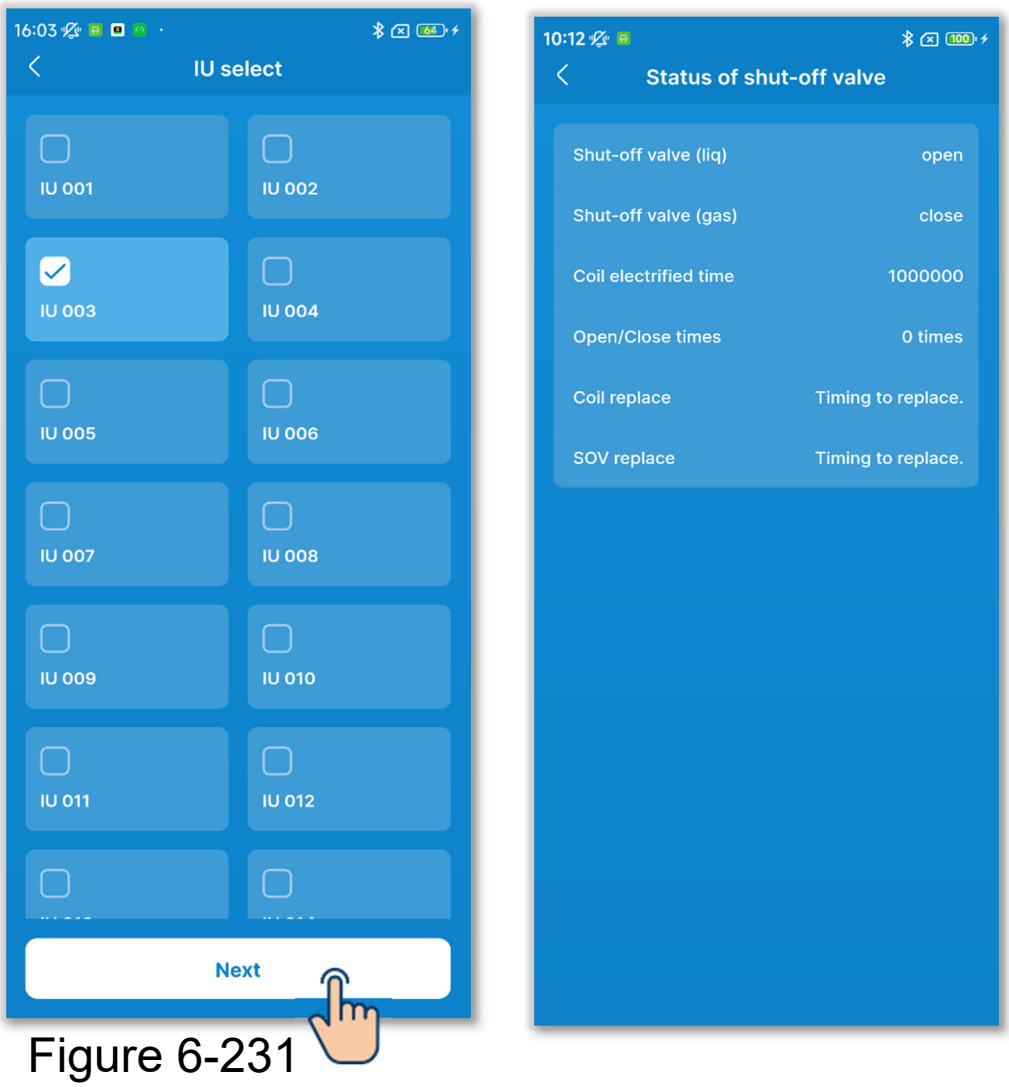


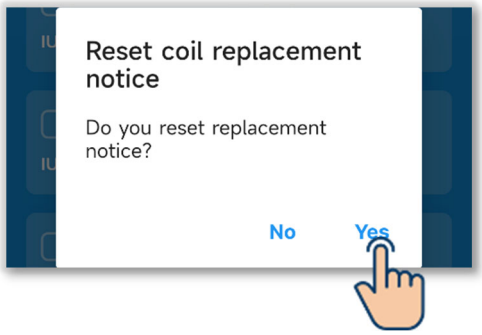
Figure 6-231

Figure 6-232

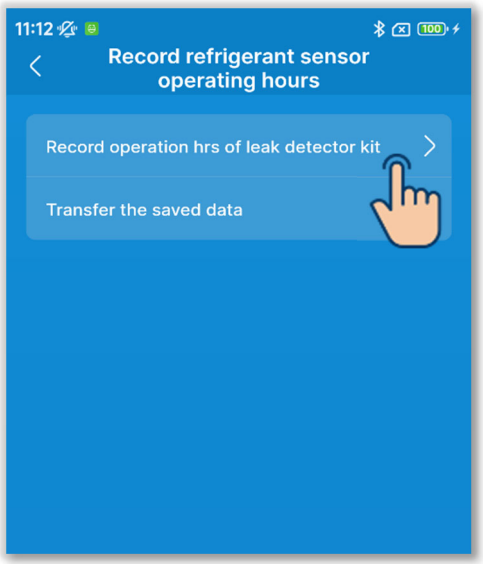
If you select “Reset coil replacement notice”, select the IU for which the you want to check the status from the list of IUs, and touch the “Next” button.

You can select only one unit.

A confirmation popup appears. Touch "Yes."

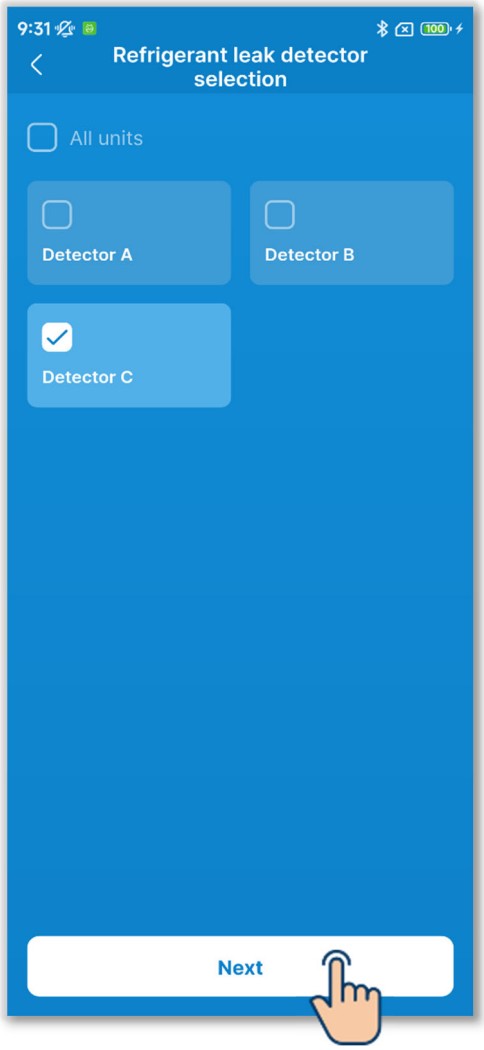


If you select “Reset SOV replacement notice”, the procedure for Reset SOV replacement notice will be the same as the procedure for Reset coil replacement notice.



If you select “Record refrigerant sensor operating hours”, select the function to set.

Figure 6-233



If you select “Record operation hrs of leak detector kit”, select the refrigerant leak detector you want to set from the list, and touch the “Next” button.

You can select all units or only one unit.

A confirmation popup appears. Touch "Yes."

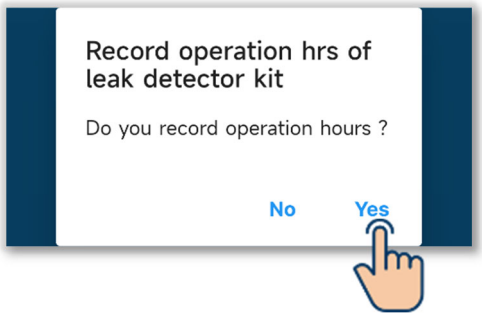


Figure 6-234

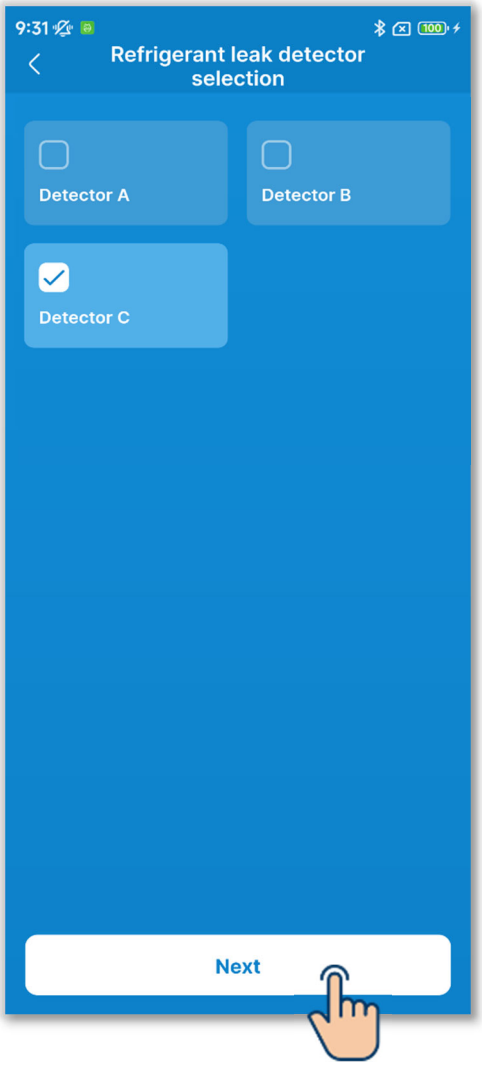
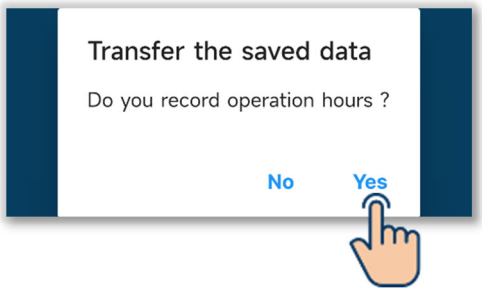


Figure 6-235

If you select “Transfer the saved data”, select the refrigerant leak detector you want to set from the list, and touch the “Next” button.

You can select only one unit.

A confirmation popup appears. Touch "Yes."



If you select “Safety system connection check”, select the IU for which you want to check the status from the list of IUs, and touch the “Next page” button.

You can select only one unit.

The safety system connection status will be displayed.

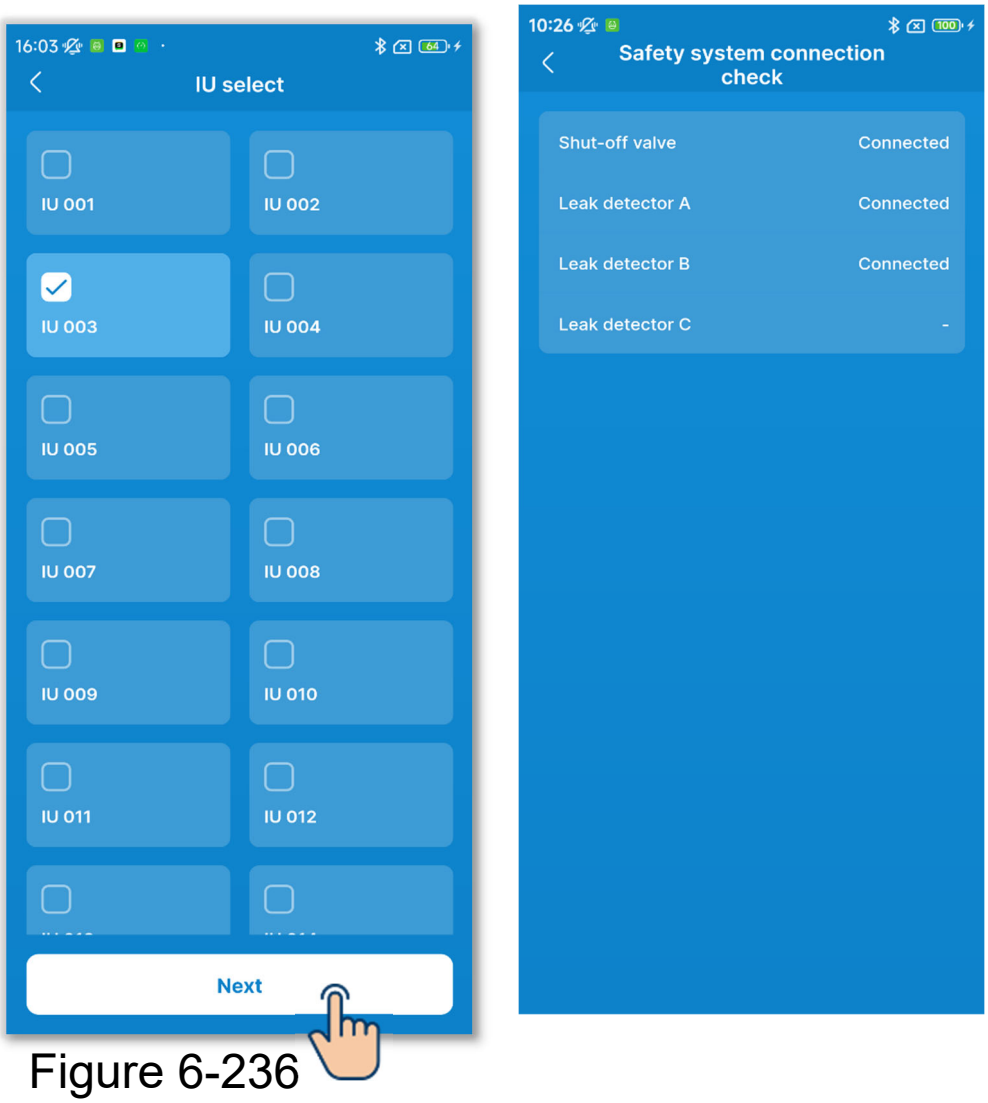


Figure 6-236

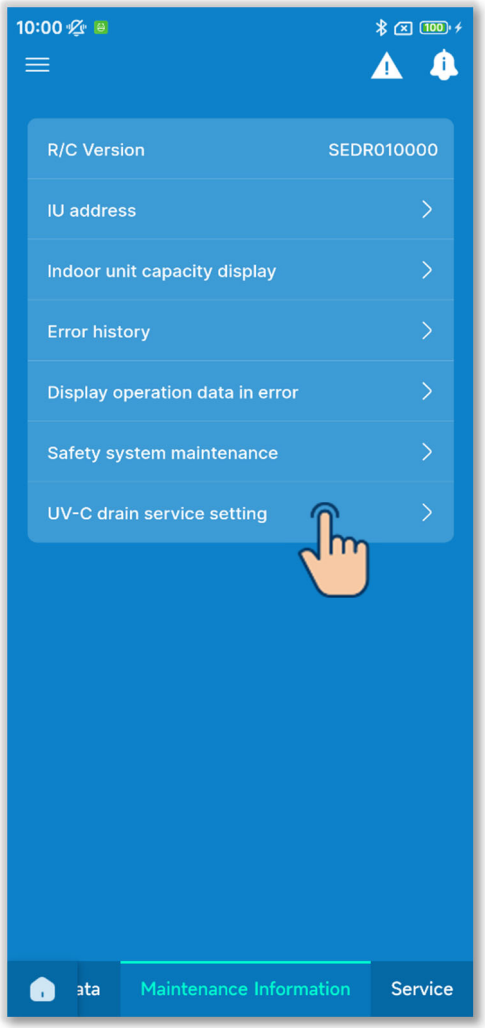


Figure 6-237

⑥Perform UV-C maintenance.

Touch the " UV-C drain service setting" button.

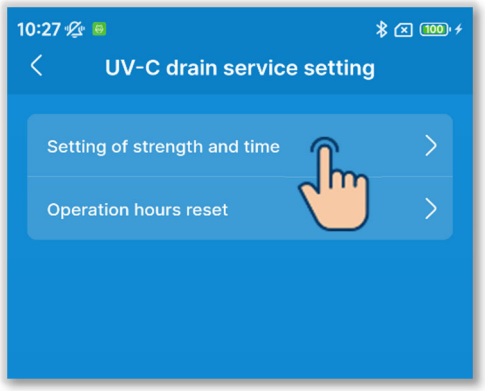


Figure 6-238

Select the function to set.

Figure 6-239

If you select “Setting of strength and time”, select the IU you want to set from the list of IUs, and touch the “Next” button.

You can select all units or only one unit.

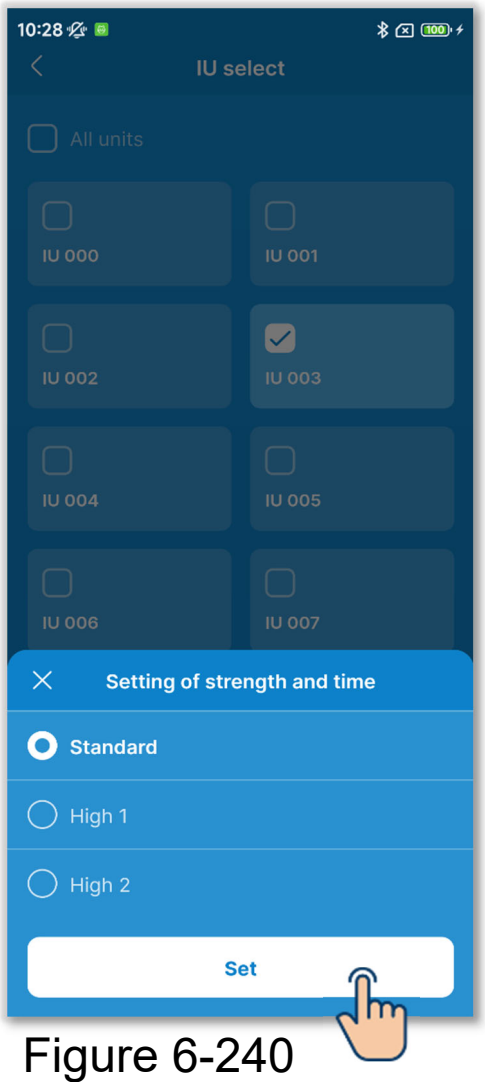


Figure 6-240

Select the desired UV-C setting of strength and time, and touch the “Confirm” button.

Standard:

Repeats 15-minute radiation /60-minute stop.

High 1:

Repeats 30-minute radiation /60-minute stop.

High 2:

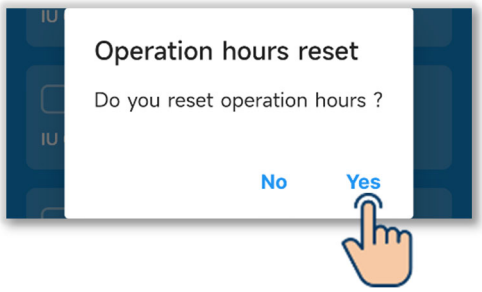
Operates the drain pump for 1 minute (about once per hour) after repeating 30-minute radiation/60-minute stop + operation stop.

Figure 6-241

If you select “Reset refrigerant sensor operating hours”, select the IU you want to set from the list of IUs, and touch the “Next” button.

You can select only one unit.

A confirmation popup appears. Touch "Yes."



6.3.7. Service

Set and operate the functions related to the service of the A/C.

Touch the "Service" tab.

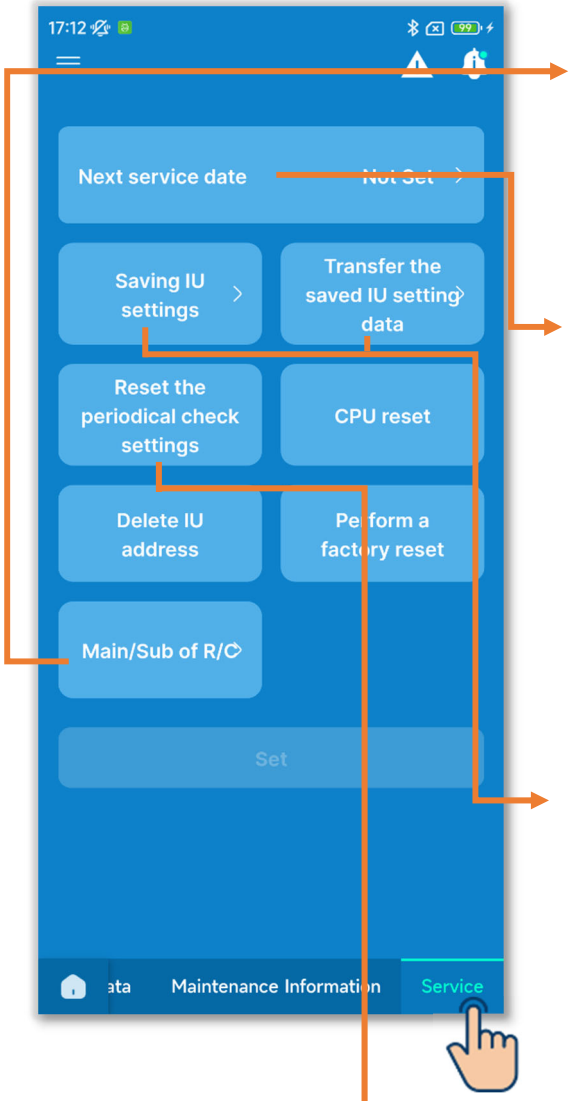


Figure 6-242

Main/Sub of R/C:

Operate to change the main/sub setting of the R/C.

Next service date:

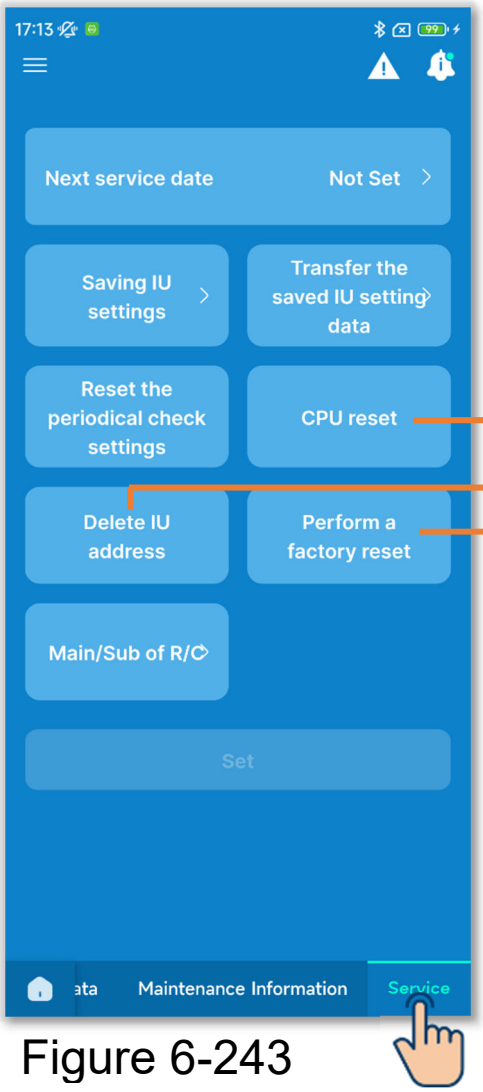
When next service date, the date is displayed on the information screen (→Section 5). The contact information is also displayed on the R/C screen when you start/stop the operation in the service month.

Saving IU settings/ transfer the saved data:

All settings of the IUs connected the R/C can be saved in the R/C. Also the saved setting data can be transferred to a IU.

Reset the periodical check settings:

Reset the time count for notifying of a periodical check.



CPU reset:

Reset the microcomputer of the connected IUs & OUs (to the power restoration status).

Delete IU address:

Delete the memory of the IU address for multi (KX) units.

Perform a factory reset:

Reset the settings of the connected R/C and IUs to the initial settings (factory settings).

Figure 6-243

CAUTION

You cannot select multiple operation settings at the same time. You can select only one setting.

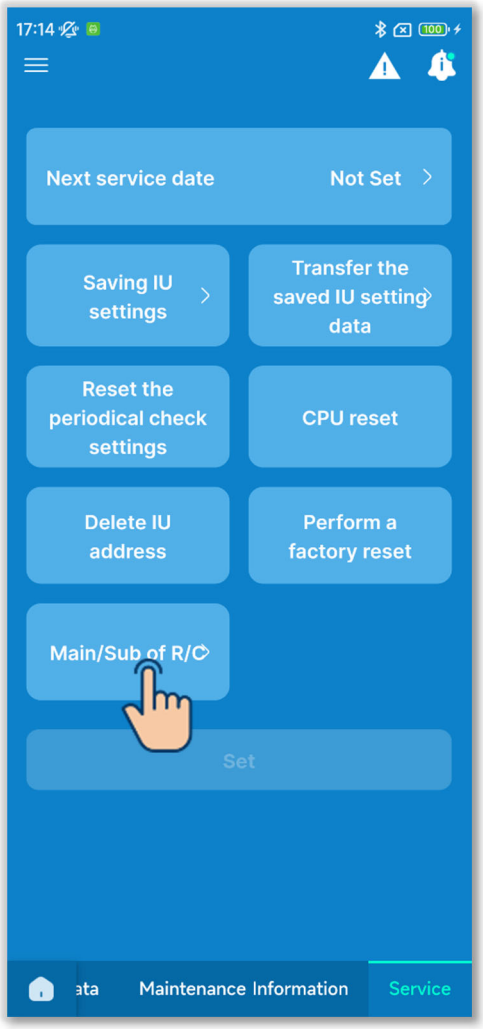


Figure 6-244

①Select the R/C main/sub setting.

Change the main/sub setting of the R/C.
Select "Main" or "Sub."

CAUTION

If you make changes, the microcomputer of the R/C is reset (to the power restoration status).

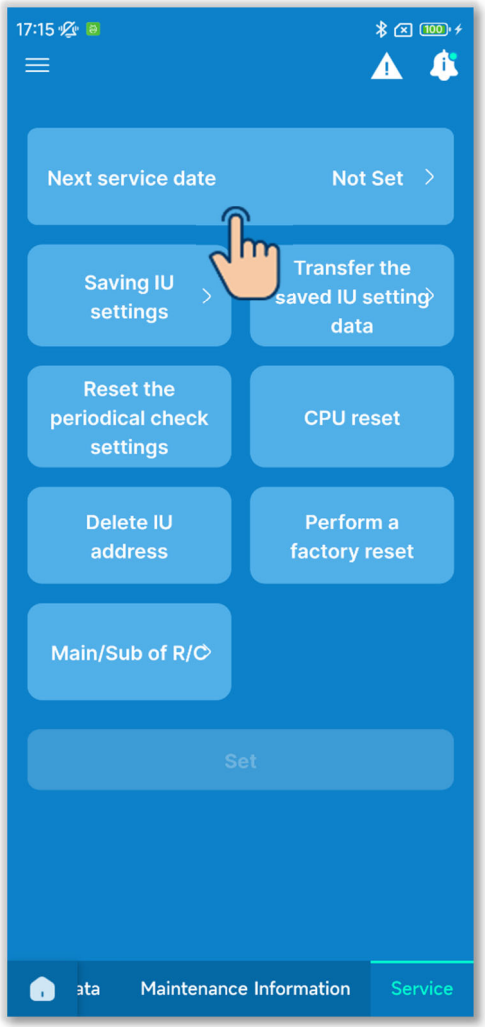


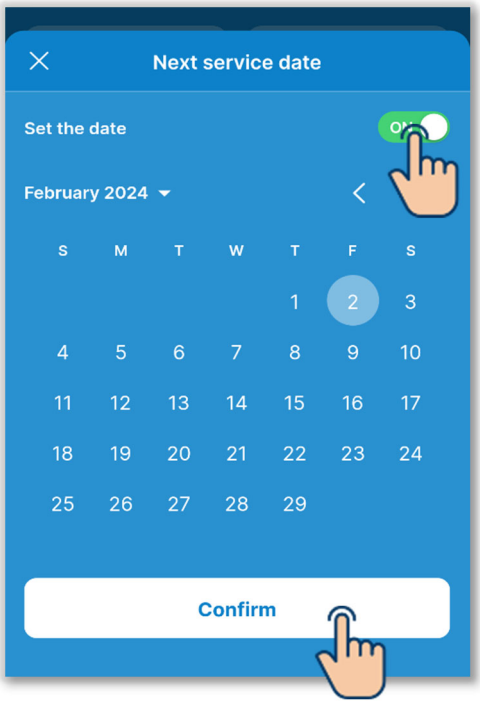
Figure 6-245

②Set/change the next service date.

Touch "Next service date."

Touch the toggle to switch ON or OFF the service date setting, and touch the "Set" button.

If you set the next service date, you can select the date.

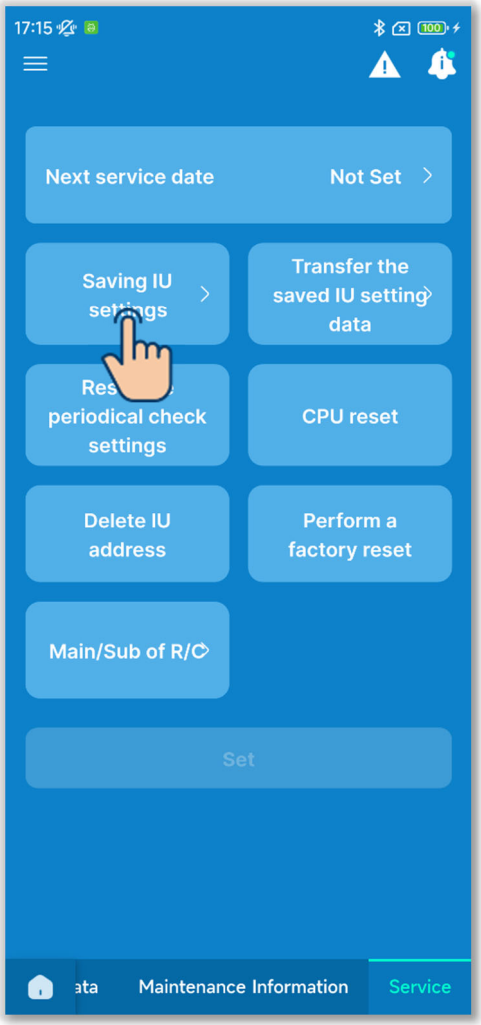


③Save the IU settings.

All settings of the IUs connected the R/C can be saved in the R/C.

Notification

Have you ever lost setting contents after replacing an IU board? When IU settings are saved in the R/C, the saved data can be transferred and written to the IU.



Touch "Saving IU set tings."

Figure 6-246

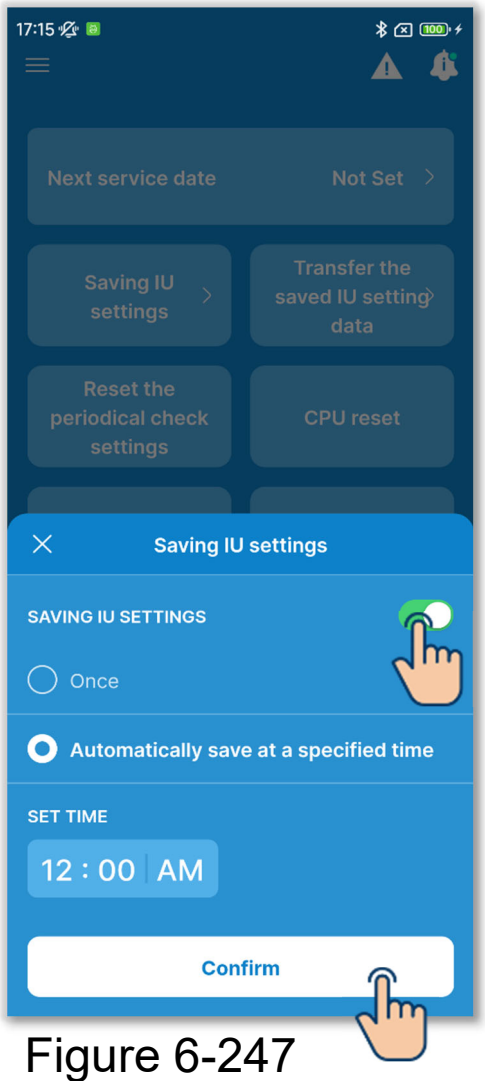


Figure 6-247

Touch the toggle to switch ON or OFF saving IU settings, and touch the "Confirm" button.

If you save the IU settings, you can select Once or Automatically save.

Once:

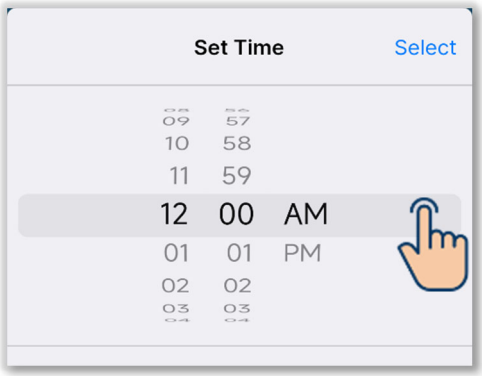
The R/C saves the IU settings immediately when it receives a signal from the application.

Automatically save:

Save the IU settings every day at the set time.

If you select "Automatically save," you can set the time.

Select the desired time and touch the "Select" button.



CAUTION

It may take a few minutes to save the IU settings. You cannot use the application during the saving process, so be careful if you select "Once." If you select "Automatically save," set a time in a time period when you do not use the application.

④Transfer the saved IU setting data.

Transfer the IU setting data saved in the R/C to an IU.

Touch the "Transfer the saved IU setting data" button. Select the IU to set from a list of IUs, and touch the "Transfer" button. You can select only one unit.

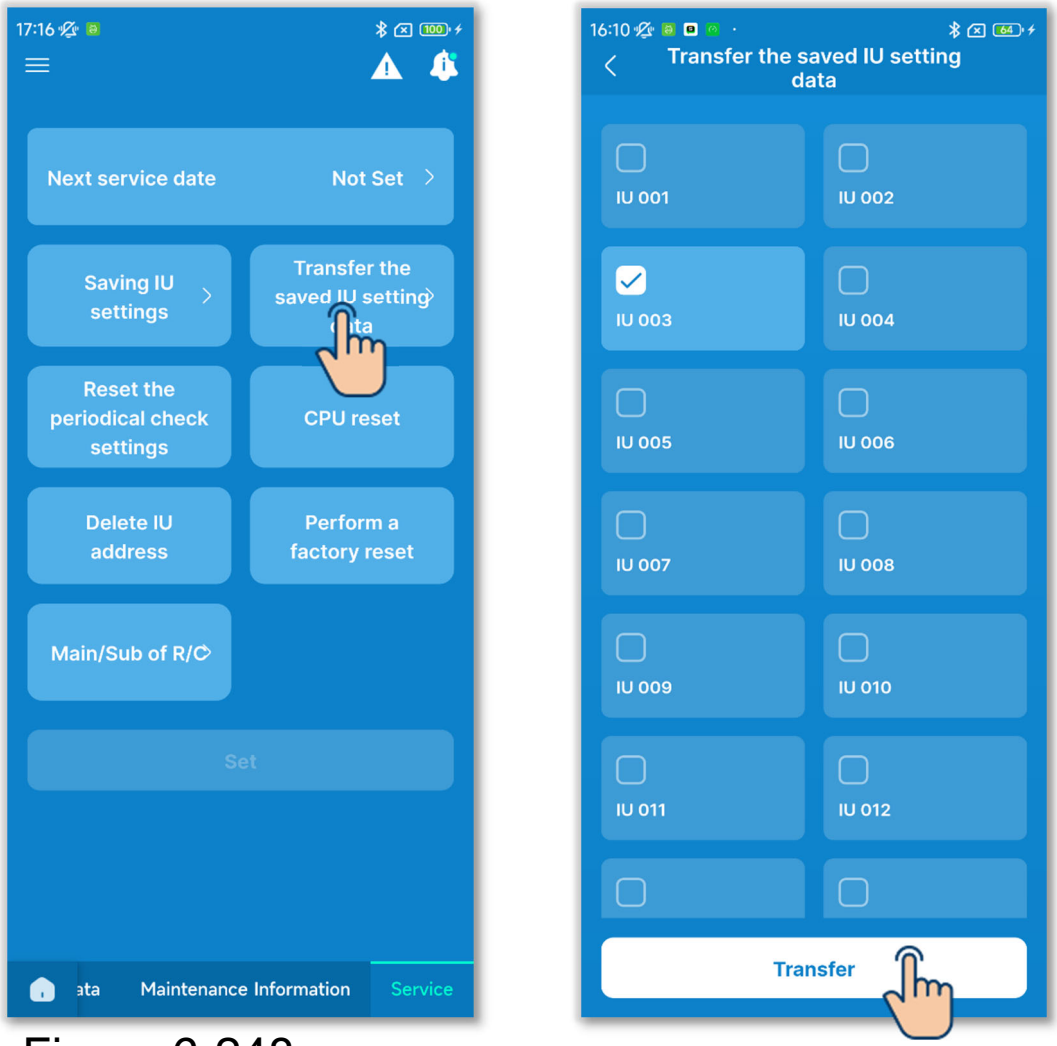


Figure 6-248

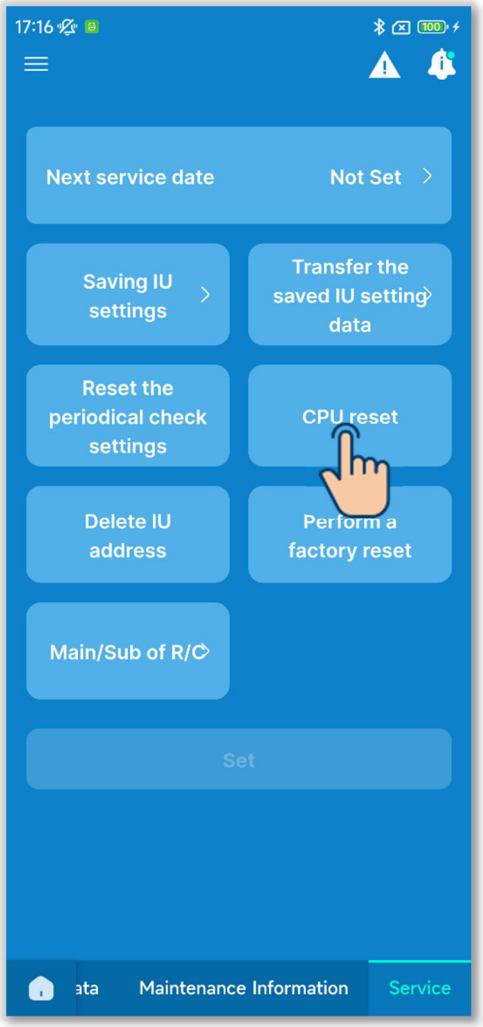


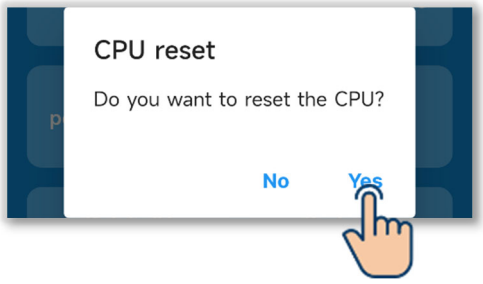
Figure 6-249

⑤Perform other service operations.

Touch the desired operation button.

- Reset the periodical check settings
- CPU reset
- Delete IU address
- Perform a factory reset

A confirmation popup appears. Touch "Yes."



CAUTION

- If you perform operations such as "Main/Sub of R/C," "CPU reset," "Delete IU address," or "Perform a factory reset," the microcomputer of the R/C is reset (to the power restoration status).
- If you perform operations such as "Main/Sub of R/C," "Delete IU address," or "Perform a factory reset," the R/C cancels pairing with all smartphones. Since R/C registration is not deleted from the device list on the smartphone (OS), perform the operation to cancel pairing with the R/C from the setup function of the smartphone. (If you do not cancel it, you cannot establish pairing with the same R/C again)

When pairing is canceled, the information in Name settings (→Section 6.2.4) is deleted and will not be inherited when you perform pairing again.

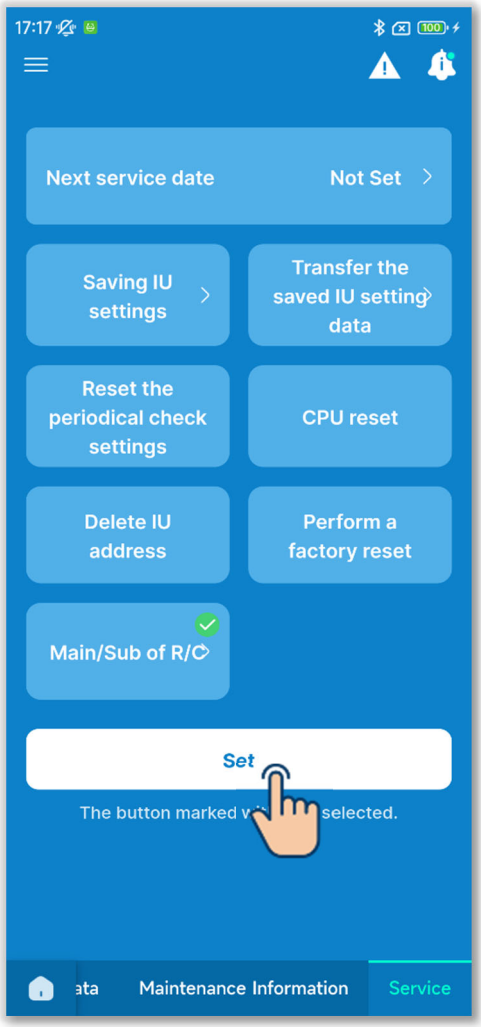


Figure 6-250

⑥Only one selected operation setting is marked with ✓.

Touch the "Set" button.