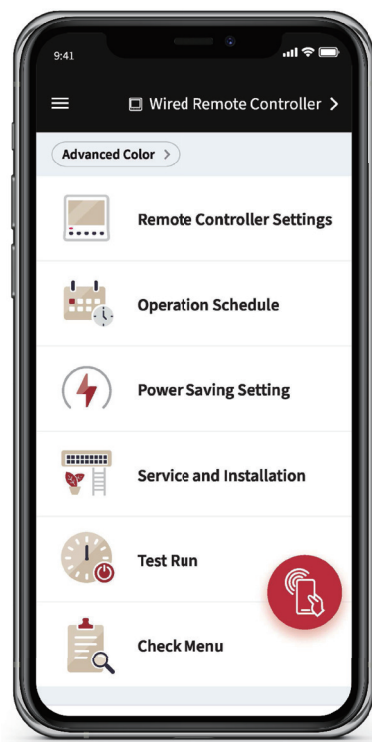# OPERATION MANUAL

HITACHI

airCloud Tap
SMARTPHONE APPLICATION FOR
AIR CONDITIONER MANAGEMENT

airCloud Tap

Cooling & Heating

air

IMPORTANT NOTICE

- Hitachi-Johnson Controls Air Conditioning pursues a policy of continuing improvement in design and performance in its application. As such, Hitachi-Johnson Controls Air Conditioning reserves the right to make changes at any time without prior notice.
- Hitachi-Johnson Controls Air Conditioning cannot anticipate every possible circumstance that might involve a potential hazard.
- This airCloud Tap user manual provides general information on the airCloud Tap application.
- Liability does not cover defects originating from unauthorized modifications performed by a customer without the written consent of Hitachi-Johnson Controls Air Conditioning
- If you have questions, please contact your distributor or contractor.
- This airCloud Tap user manual is considered as part of the air conditioning system. Please keep the user manual at user's side after reading for future reference.
- airCloud Tap (thereinafter referred to as "app") is an app that allows easy setting of Hitachi air conditioner through wired remote controller.
- The user is responsible for any communication charges incurred when downloading, updating, or using this app(This includes any additional communication charges incurred when updating this app or reconfiguring it due to the app not working properly).
- Appliances that emit electromagnetic waves such as radios may interfere with NFC signal and it may not be able to use this app in such an environment.
- If the wired remote controller is installed on the wall with conductive material, it may interfere with NFC signal, and the app may not be used.
- Make sure to wait 3 minutes after turning on the wired remote controller before changing the settings and collecting check data.
- The screenshots used by this manual may differ from the actual application screen.

Introduction

Read this manual carefully before before using it for installation and setting. Also, refer to other manuals where necessary.
Forward this manual and the warranty to the next team of installers and then users.
(Refrigerant Piping Work)→ (Electrical Wiring Work) → (Ref. Charge Work)→ (Test Run)→ (User)

- For details on wiring between the indoor unit and the outdoor unit, refer to the "Installation and Maintenance Manual" for the outdoor unit.
- For details on the optional decorative panel, refer to the "Installation and Maintenance Manual" for the optional decorative panel(Only for 1-Way, 2-Way, and 4-Way Cassette Types).
- For details on each optional controller, refer to the "Installation and Maintenance Manual" and the "Operation Manual".
- For details on each optional part, refer to the "Installation and Maintenance Manual".
- For the central controller, refer to the "Installation and Maintenance Manual" and the "Operation Manual".

Product Inspection upon Arrival

1. Upon receiving the air conditioner, inspect it for any damages incurred in transit. Claims for damage, either apparent or concealed, should be filed immediately with the shipping company.
2. Check the model number, electrical characteristics (power supply, voltage, and frequency rating), and accessories to determine if they are correct with the purchase order.
3. Please contact your local agent or contractor as any issues involving installation, performance, or maintenance arise. Liability does not cover defects originating from unauthorized modifications performed by a customer without the written consent of Hitachi-Johnson Controls Air Conditioning. Performing any mechanical alterations on this product without the consent of the manufacturer will render your warranty null and void.

TABLE OF CONTENTS

1. Safety Summary

⚠ DANGER : DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING : WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION : CAUTION, used with the safety alert symbol, indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE : NOTICE is used to address practices not related to personal injury.

NOTE : NOTE is useful information for operation and/or maintenance.

⚠ WARNING

To reduce the risk of serious injury or death, read these instructions thoroughly and follow all warnings or cautions included in all manuals that accompanied the product and are attached to the unit. Refer back to these safety instructions as needed.

- Contact your distributor or a professional installer for installation. Incorrect installation by a nonauthorized installer may cause an electric shock, a fire or fall of the product.
- Electrical wiring work must be performed by authorized installers. Incorrect installation by a nonauthorized installer may cause an electric shock or a fire.
- Make sure to disconnect the power supply terminal block (TB1) ground terminal before conducting insulation performance tests or dielectric withstand voltage tests. Doing so while the terminal block (TB1) is connected may cause failure.
- Do not touch the product with wet hands. Failure of the product or an electrical shock can result.
- Do not disassemble the product. Touching the inside of the product with hands may cause an electric shock or failure.
- Turn OFF the leakage breaker[*1] immediately if the protection device is frequently activated or the main power source switch does not work.
  If not, it may cause an electric shock, a fire or explosion because there are possibilities of the electrical leakage or overcurrent, etc. Contact your distributor or contractor.
  *1: Locate the breaker before starting the operation.
- If abnormality (burnt odor, etc.) occurs, stop the operation and turn OFF the main power source and the leakage breaker immediately. If not, it may cause breakage of the product, an electric shock or a fire. Contact your distributor or contractor.
- When the product is to be repaired or relocated, contact your distributor or contractor. If the repair is not completed, it may cause an electric shock or a fire.
- When the air conditioner is to be repaired or transported to a new location, contact your distributor or contractor. If the installation is not completed, electric shock or fire can result.
- In the event of a fire, immediately turn OFF the leakage breaker. It may lead to electric shock.
- Turn OFF the air conditioner main power and the leakage breaker before electric wiring work for maintenance. If not, it may lead to electric shock.
- Do not spray water or detergent to the product when performing the maintenance work. It may cause an electric shock or a fire by electrical short circuit.
- Do not tamper with or attempt to "repair" electrical wiring or connections. Call your installer or electrical contractor. Serious or fatal injury can occur.

⚠ CAUTION

To reduce the risk of minor or moderate injury, the following general precautions must be followed.

- After operating the product, wait at least 3 minutes before turning off the product. Failure to do so may cause malfunction.
- Do not insert anything other than external media into the media slots. Malfunction, an electrical shock or a fire may result.

HO2021466A

2. Before Use

2.1 App Overview

This app can be used to set up, test run, and inspect the AC unit connected to the wired remote controller.

This app uses NFC to communicate with the wired remote controller. Please use a smartphone that meets the operating environment requirements listed in the table below.

- iPhone

Item	Specification
Model	iPhone7 or newer
OS	iOS13.0 or newer
Interface	NFC interface
Storage Capacity	150 Mbyte or more
Internet Connection	Required

Apple and iPhone are trademarks of Apple Inc. registered in the U.S. and other countries and regions.
iOS is a trademark or registered trademark of Cisco in the United States and other countries and is used under license.

- Andriod

Item	Specification
Model	Smartphone with Andriod OS
OS	Andriod 6.0 or newer
Interface	NFC interface
Storage Capacity	150 Mbyte or more
Internet Connection	Required

Andriod is a trademark registered by Google LLC.

There is a possibility that the app will not work properly if a smartphone that does not meet the above requirements is used. Please be sure to use a compatible smartphone.

2.2 Applicable Models

This app can be used with wired remote controllers equipped with NFC.

The following models of Hitachi wired remote controller can be used with this app:
Advanced Color Wired Remote Controller PC-ARFG1, PC-ARFG1-A, PC-ARFG1-M, PC-ARFG1-U.
Eco Compact Wired Remote Controller PC-ARC, PC-ARC-A, PC-ARC-M, PC-ARC-U.
Please note previous model of PC-ARFG/ PC-ARFG-* can not be used with this app.

2.3 Using NFC

This application uses the NFC function of the smartphone to communicate with the AC unit. Using NFC can improve serviceability and ease of installation and maintenance work. However, if there is a possibility of unauthorized third parties gaining unauthorized access to the air conditioner, it is recommended to always disable the NFC setting on each air conditioner after installation is complete.

- How to disable NFC communication on the wired remote controller
  (1) Advanced Color Wired Remote Controller
     Set [Service Menu] - [NFC Settings] on the Advanced Color wired remote controller to [Disable].

  (2) Eco Compact Wired Remote Controller
     Hold the "❀" and "∨" buttons simultaneously for 3 seconds to set "00" on the Eco Compact wired remote controller.
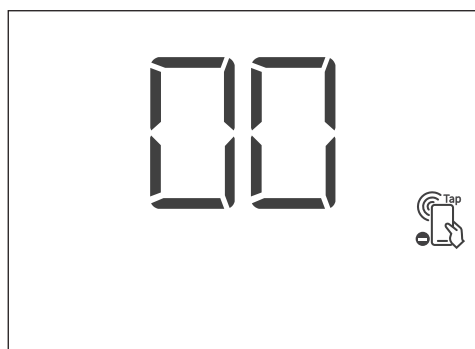
When disposing of NFC-equipped wired remote controllers, please disable NFC communication before disposal.

2.4 Internet Connection

This application requires an internet connection for user management and updates.
Please use this application in an area where internet is available.
If the app is used without updating it, it may not work properly. If the app is not up to date, make sure to update it.
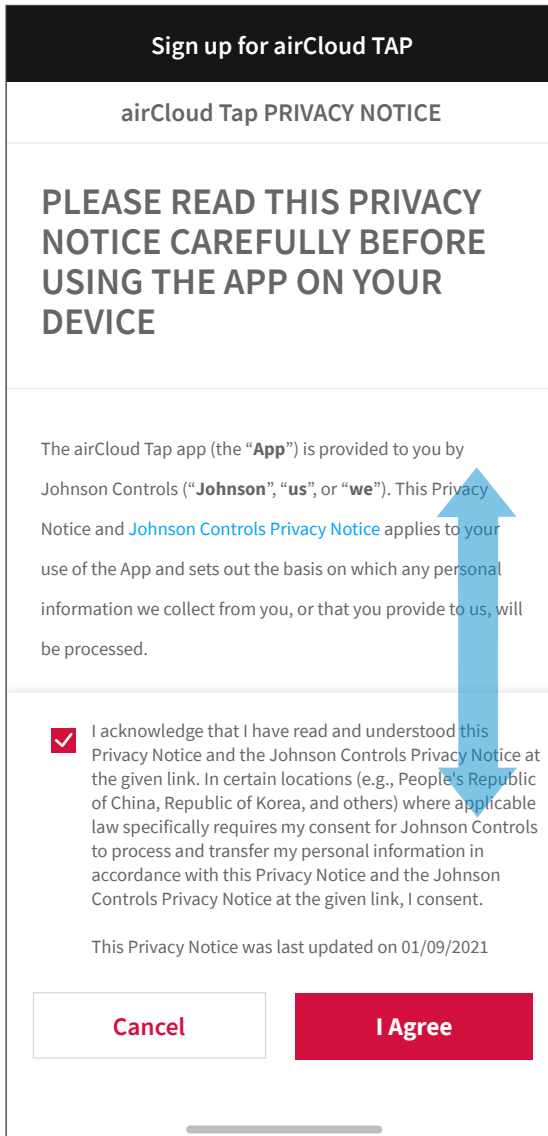
2.5 Download the App

- iPhone
  Please go to the "App Store" and search for "airCloud Tap" to download and install this app.
  ○ App Store® is a service mark of Apple Inc.

- Andriod
  Please go to the "Google Play" and search for "airCloud Tap" to download and install this app.
  ○ Google Play® and Google Play logo are trademarks of Google LLC.

3. Initial Settings

An internet connection is required to use this application. Please connect the smartphone to the internet.

3.1 Privacy Notice Agreement (First time only)

Sign up for airCloud TAP

airCloud Tap PRIVACY NOTICE

PLEASE READ THIS PRIVACY NOTICE CAREFULLY BEFORE USING THE APP ON YOUR DEVICE

The airCloud Tap app (the "**App**") is provided to you by Johnson Controls ("**Johnson**", "**us**", or "**we**"). This Privacy Notice and Johnson Controls Privacy Notice applies to your use of the App and sets out the basis on which any personal information we collect from you, or that you provide to us, will be processed.

☑ I acknowledge that I have read and understood this Privacy Notice and the Johnson Controls Privacy Notice at the given link. In certain locations (e.g., People's Republic of China, Republic of Korea, and others) where applicable law specifically requires my consent for Johnson Controls to process and transfer my personal information in accordance with this Privacy Notice and the Johnson Controls Privacy Notice at the given link, I consent.

This Privacy Notice was last updated on 01/09/2021

| Cancel | I Agree |

Tap the app icon to start the app.

The privacy notice[1] will only be displayed when the app is launched for the first time.

Please read to the end and tap "I Agree" to agree to the terms before using this application.

*1. The agreed to Privacy Notice can also be found in the Privacy Notice on the side menu screen (see Chapter 6. Side Menu Settings). Please note that this app will be terminated if you do not agree.

3.2 Terms and Conditions (First time only)
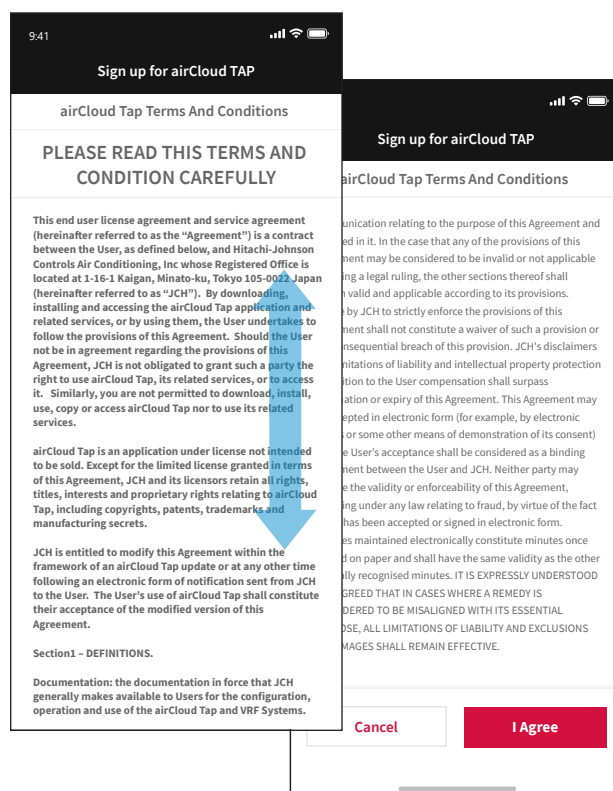
After agreeing to the privacy notice[1], the apps Terms and Conditions will be displayed.

Please read to the end and tap "I Agree" to agree to the terms before using this application.

[1]. The agreed to Terms and Conditions can also be found in the Terms and Conditions on the side menu screen (see 6. Side Menu Settings).

3.3 App Introduction (First time only)
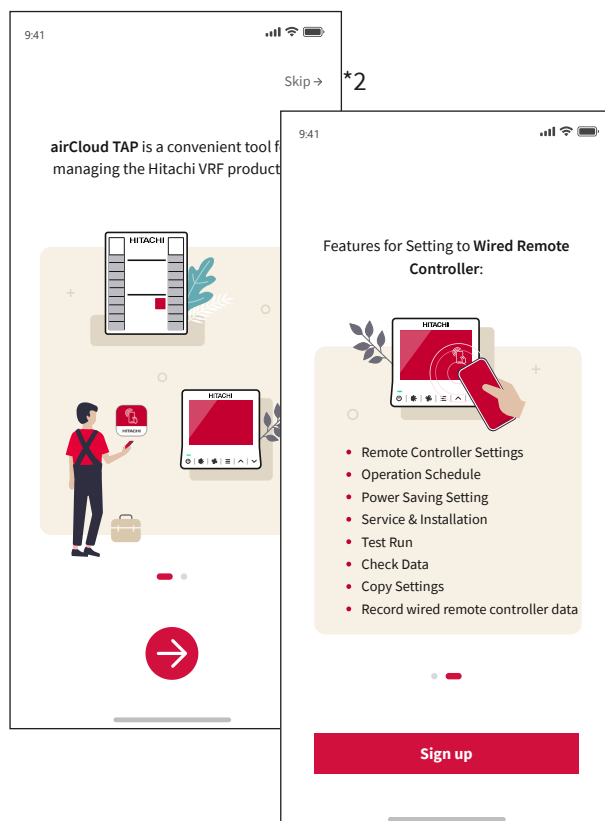
After agreeing to the Terms and Conditions, the application introduction[2] will be displayed.
After the app introduction, proceed to the user registration process.

[2]. The app introduction can be skipped by clicking "Skip" on the upper right corner of the screen.
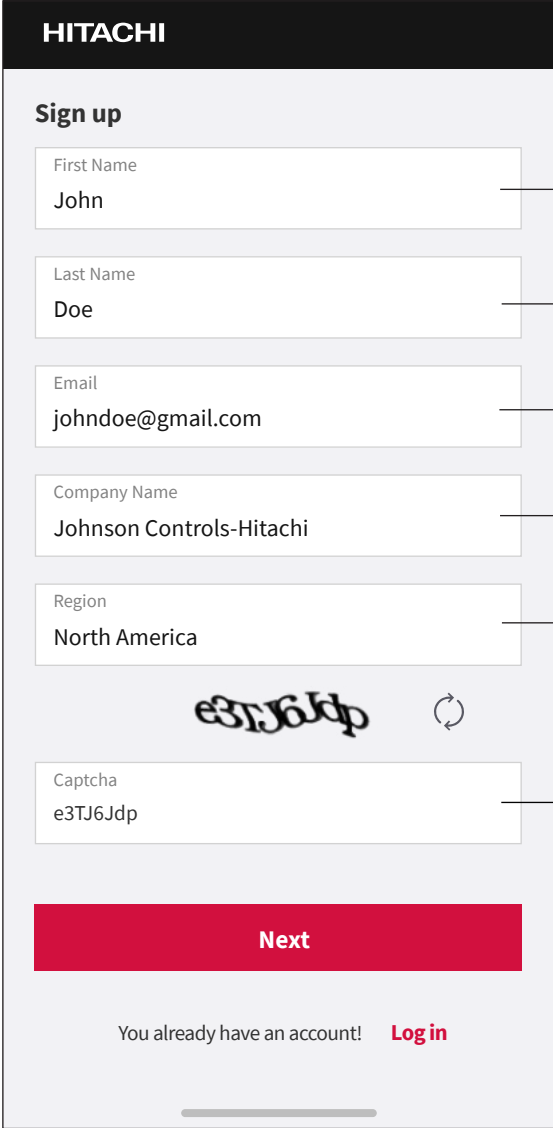
3.4 User Registration (First time only)

User registration is required to use this app. The user registration process requires an internet connection and an email address. Please connect the smartphone to the internet before starting the registration process and prepare an email address for registration.

(1) Registering a user
  1. Enter user information
  2. Register a user password.
  3. Verify email address (OTP authentication)

3.4.1 Enter User Information

HITACHI	After the app introduction screen is displayed, the user registration screen will appear.
Sign up	Please fill in the required fields ① to ⑥ below and tap "Next".
First Name John — ①	
Last Name Doe — ②	① First Name
Email johndoe@gmail.com — ③	② Last Name
Company Name Johnson Controls-Hitachi — ④	③ Email
Region North America — ⑤	④ Company Name
e3TJ6Jdp ↻	⑤ Region
Captcha e3TJ6Jdp — ⑥	⑥ Captcha Please enter the captcha displayed above input field.
Next	
You already have an account! **Log in**	

3. Initial Settings

3.4.2 Register a User Password

9:41 ...ll 📶 🔋 **HITACHI** **Create Password** First Name John Last Name Doe Email johndoe@gmail.com Password　　　　　　　　🚫👁 Confirm Password　　　　　🚫👁 **Submit**	Tap "Next" on the user information entry screen and the password creation screen will appear. Enter the password [1] to register twice, and then tap "Submit". [1]: The password should be a combination of uppercase letters, lowercase letters and symbols, and should be between 8 and 16 characters. Tap "Submit" on the Create Password screen and a verification code will be sent to the registered email address.

3.4.3 Verify Email Address (OTP authentication)

9:41 ⏴ **Verification** **Verification** Enter the verification code we just sent you on your email address. **5 1 2 7 1 3** If you didn't receive a code. **Resend one-time password** **Verify**	A verification code will be sent to the registered email address. Enter the 6-digit verification code from the email and tap "Verify". NOTE: • If the verification code is not received, tap "Resend one-time password" to send the verification code again.
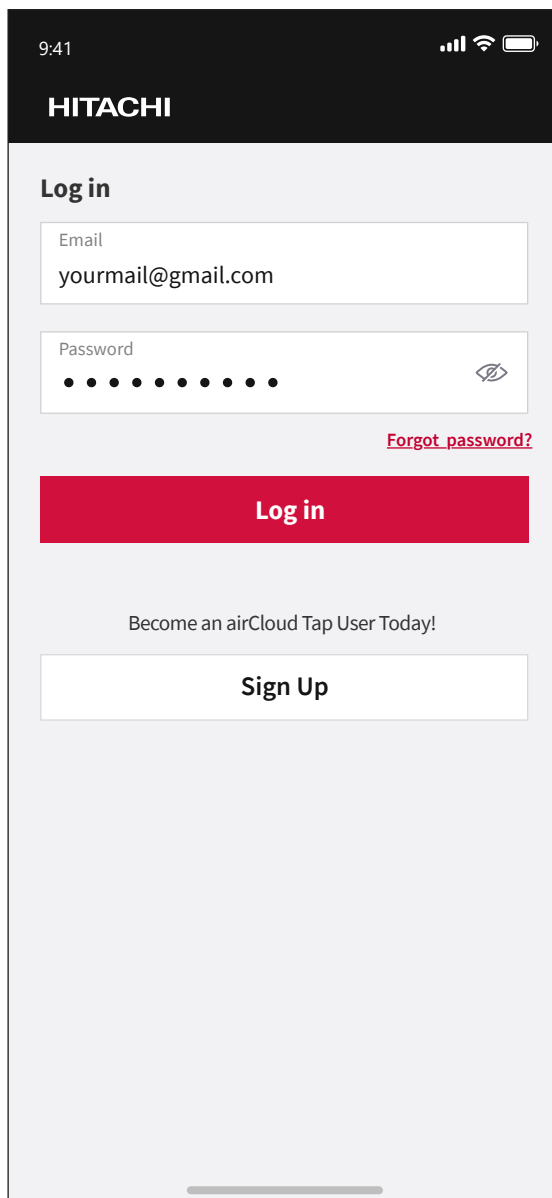
3.4.4 Complete Registration
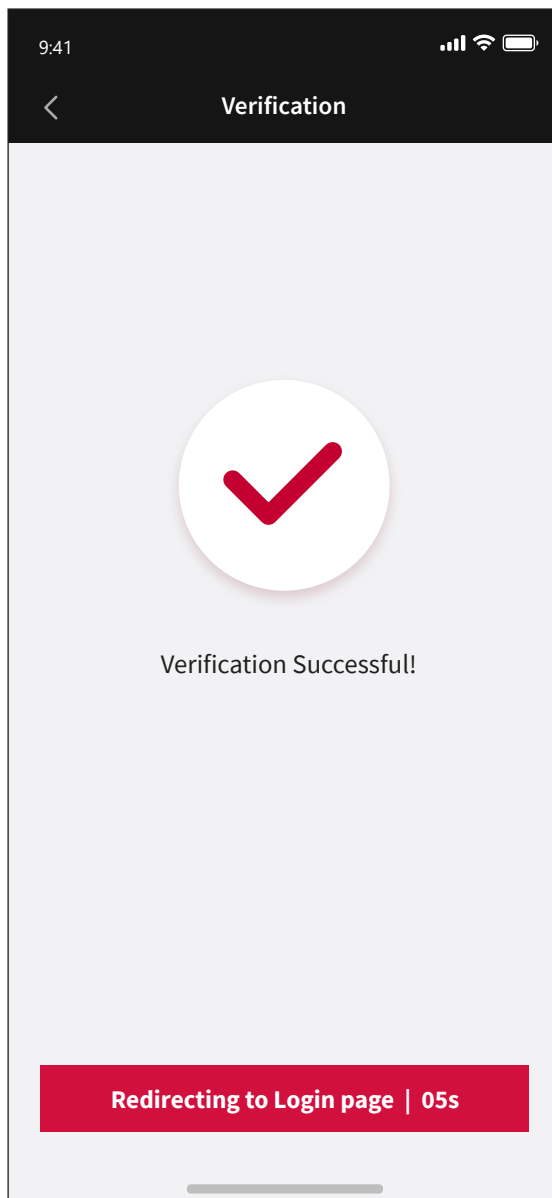
9:41	Once the verification code has been verified, user registration will be complete.
< **Verification**	
	Tap "Redirecting to Login page" at the bottom of the registration completion screen to display the Log In screen.
✓	
Verification Successful!	
**Redirecting to Login page	05s**	

3.5 Log In

9:41 **HITACHI** **Log in** Email yourmail@gmail.com Password • • • • • • • • • **Forgot password?** **Log in** Become an airCloud Tap User Today! **Sign Up**	After entering the registered email address and password, tap "Log in" to log in to the app.

3.6 User Role Selection

Welcome, John !

Choose your role :   Installer

Facility Manager

Choose this role if your main task is:
· *Monitor running status*
· *Setting Features*

Installer

Choose this role if your main task is:
· *Install*
· *Commissioning*
· *Test Run*

✓

Authorized Service

Choose this role if your main task is:
· *Install*
· *Commissioning*
· *Test Run*
· *Troubleshooting*

Activation code will be required to access to
Authorized Service role.
You can always switch roles in profile page easily.

(?) Show Instructions

Next

Select the user role that best suits the intended use of the app and then tap "Next".

User Role
- Facility Manager

- Installer
  Expert knowledge is required for installation and maintenance of air conditioners. Incorrect settings or operation may cause the air conditioner to fail to operate correctly.

- Authorized Service
  Activation code is required for this role. Please contact with JCH service person to get the access.

The available functions are different for each selected user role.
For a list of available functions for each user role, refer to 3.6.1 List of Available Functions by User Role (page 13).

3.6.1 List of Available Functions by User Role

The available functions are different for each selected user role.

○ : Indicates this item is operable.   △ : Indicates this item is partially operable.
— : Indicates this item is not operable.

Homwe Menu	Function Menu	User Role		
		Role 1	Role 2	Role 3
Remote Controller Settings	Room Name	△*1	△*1	△*1
	Date/Time	○	○	○
	Language	○	○	○
	Temperature	○	○	○
	Run Indicator Brightness	○	○	○
Operation Schedule	Schedule	○	○	○
	Operation Schedule	○	○	○
	Holiday Setting	○	○	○
	Reset All	○	○	○
Power Saving Setting	Power Saving Settings	○	○	○
	Power Saving Details Settings	—	○	○
Service & Installation	Function Selection	—	△*2	△*2
	External Input/output	—	△*2	△*2
	Contact Information	—	△*1	△*1
	Hotel Mode	—	○	○
	Temperature Range Restriction	—	○	○
	Dual Setpoint	—	○	○
	Main/Sub Display	—	○	○
	Thermistor Selection	—	○	○
	Thermistor Calibration in Controller	—	○	○
	Auto-Restart: auto turn ON (d1)	—	△*2	△*2
	Auto-Restart: follow latest status from before outage (d3)	—	△*2	△*2
	Hi Fan Speed (C5)	—	△*2	△*2
	Lock Function	—	○	○
	Fan Speed at Cooling Thermo-OFF	—	△*2	△*2
	Fan Speed at Heating Thermo-OFF	—	△*2	△*2
	Cancel preheating control	—	○	○
	Power Up	—	○	○
Test Run	Mode	—	○	○
	Test Time	—	○	○
	Start Test Run	—	○	○
	Stop Test Run	—	○	○
Check Menu	Alarm History	—	○	○
	Product Info	—	○	○
	Check1	—	△*3	△*3
	Check2	—	△*3	△*3
	Check PCB of the Units	—	△*4	△*4
Saved Settings	Edit Saved Settings	—	○	○
	Write Copied Settings	—	○	○
Side Menu	User Profile	○	○	○
	Display Unit	○	○	○
	Language Selection	○	○	○

*1: Only English and numbers can be registered.

*2: If multiple indoor units are connected, individual settings are not possible.

*3: Selection of the indoor unit on the Check Menu screen on the Wired Remote Controller is required.

*4: Selection of the indoor unit on the result of check PCB of the units on the Wired Remote Controller is required.

3.7 Select Target Device

9:41

Hello, John   Authorized Service

Please select the target device type

(Coming Soon…)

✓

Wired Remote Controller

By selecting this option, you can setup WRC settings.
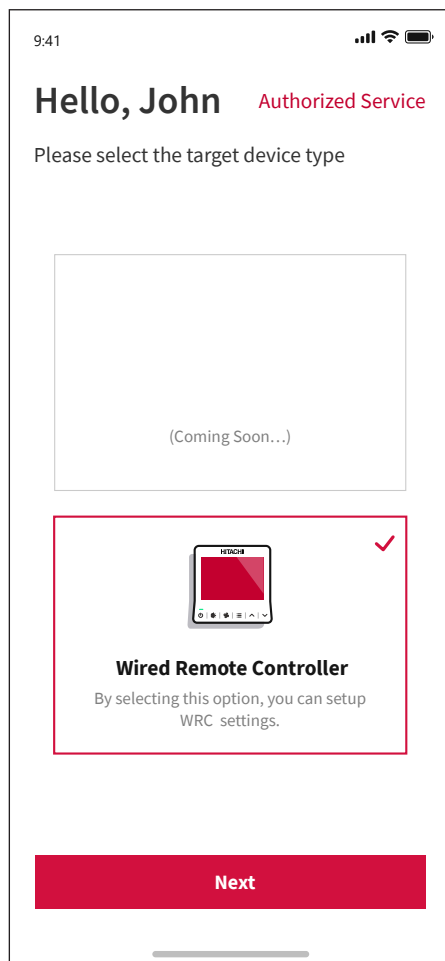
Next

Select the device to be installed and maintained, and tap "Next".

Target device
- Wired Remote Controller

3.8 Model Selection

Select the model of the wired remote controller to be set.

Confirm Product Model

Please confirm the product model of wired remote controller you are going to check or set.

Advanced Color

Eco Compact
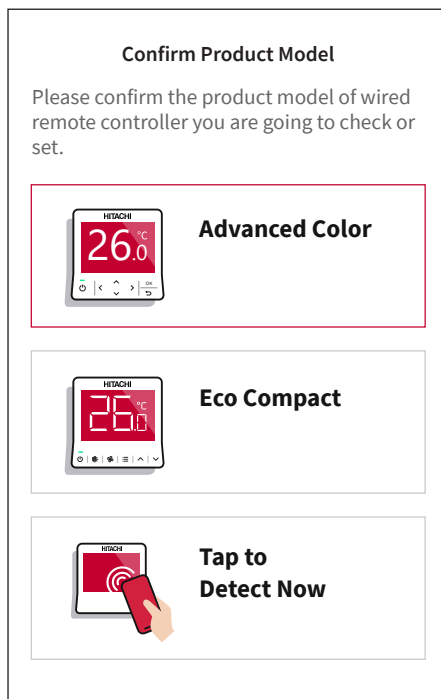
Tap to Detect Now

Select the wired remote controller model.

- Advanced Color
- Eco Compact
- Tap to Detect Now [1]

[1]. "Tap to Detect Now" is displayed only when logging-in for the first time.

9:41

Tap & Read

HITACHI

Tap your smartphone on the remote controller screen.

Ready to Scan

Tap your phone over the NFC area of target device

Cancel
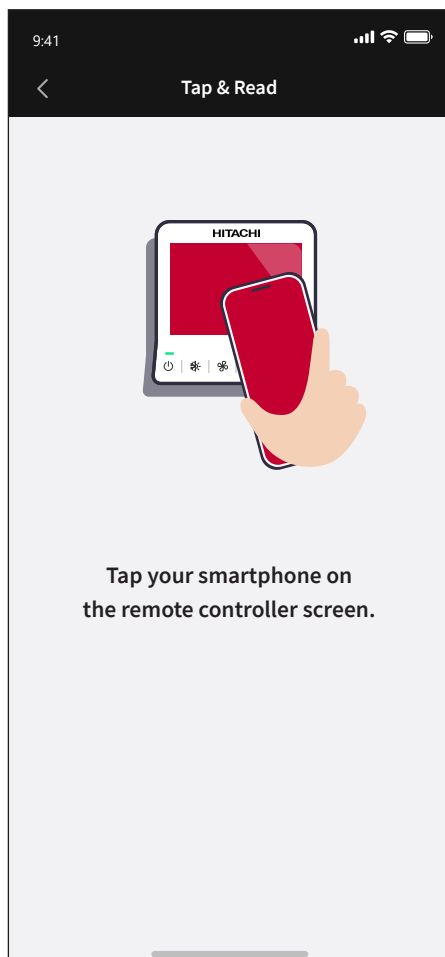
The model can be read by selecting "Tap to Detect Now" and tapping the smartphone over the wired remote controller.

To read the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.

- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.
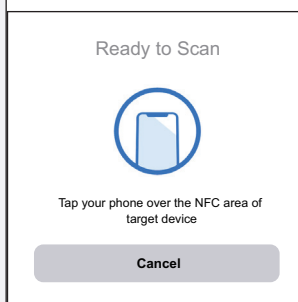
4. Basic Functions

4.1 Home Screen Description

Selecting the target device will display the home screen for each device.
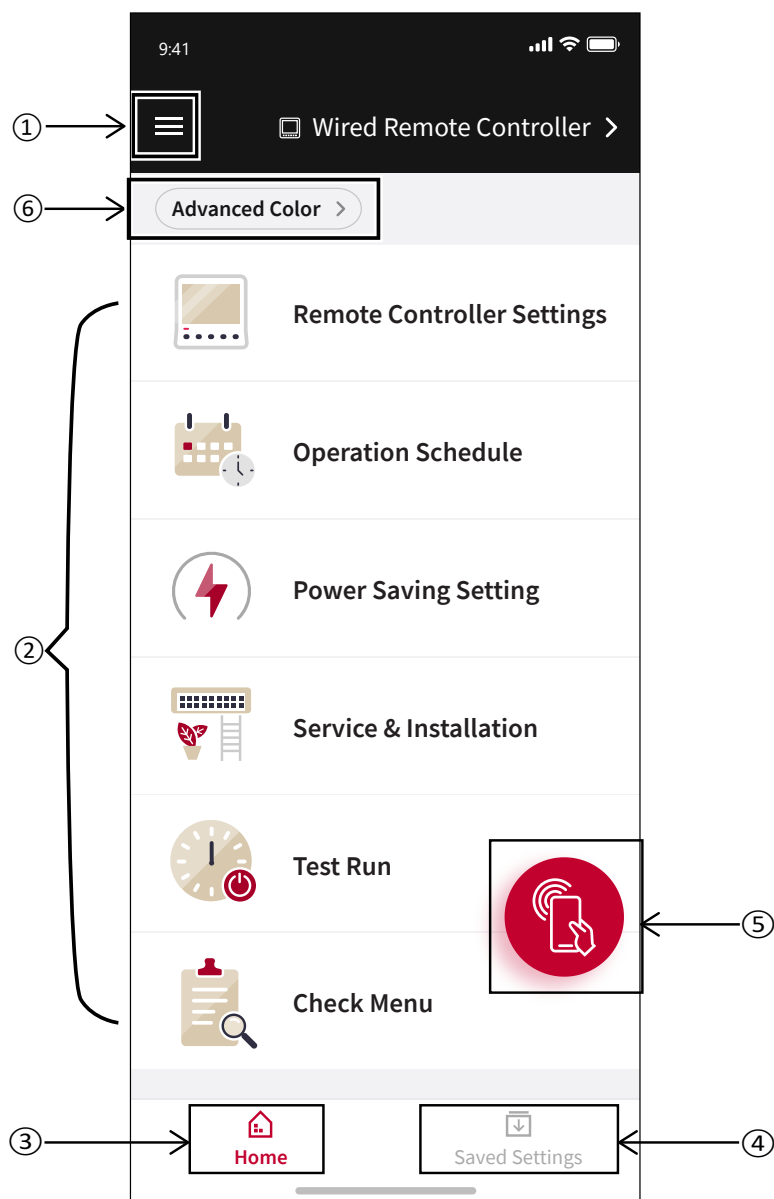
① Side Menu
   Tap this button to open the list of side menus (Refer to 6. Side Menu Settings) related to the app.
② Function List Area
   Tap each item in this area to open each function details screen (settings, check, test run, etc.)
③ Home Button
   Tap this button to return to the home screen.
④ Saved Settings Button
   Tap this button to open the screen showing the saved setting data list screen.
⑤ Settings Button
   Tap this button to display the "Tap & Read", "Tap & Write", and "Save Settings" selection list.
   Use this button to read and write device settings or to save data.
⑥ Model Switching Button
   Tap this button to display the model selection screen of the target device (Refer to 3.8 Model Selection (page 15).).
   Use this button to switch the target device model.

4.2 Setup Procedure

4.2.1 New Settings

The setup process is as follows.

(1) Read current settings from the device.
   Tap the smartphone over the device to be configured and read the current settings. If there isn't a device that can read the settings, start from (2).
   - Refer to 4.3.1 Read Settings from a Device (page 19) for details on how to read settings.
(2) Change the settings from the function details screen.
   Change the settings from the function details screen of the device to be configured.
   - Refer to 5.1 Function Overview(page 35) for more details.
(3) Write settings to the device.
   Tap the smartphone over the device to be configured and write the changed settings.
   - Refer to 4.3.2 Write Settings to a Device (page 21) for more details.
(4) Confirm that the settings are reflected in the device.
   After writing the settings, tap the smartphone over the target device again to read the current settings and confirm that the settings are correct from the function details screen.
   - Refer to 4.3.1 Read Settings from a Device (page 19) for details on how to read settings.

4.2.2 Copy Settings to a Different Device

(1) Read the current settings from a preconfigured device.
   Tap the smartphone over the preconfigured device and read the current settings.
   - Refer to 4.3.1 Read Settings from a Device (page 19) for details on how to read settings.
(2) Save the read data.
   Save the data read in (1).
   - Refer to 4.3.3 Save Setting Data (page 23) for more details.
(3) Edit data to be written to other devices.
   Edit the saved setting data, select the settings to be written to other devices, and edit the settings.
   - Refer to 4.3.5 Edit Setting Data (page 26) for more details.
(4) Write setting data to another device.
   Write the data edited in (3) to another device.
   - Refer to 4.3.4 Write Setting Data to a Device (page 24) for more details.
(5)Confirm that the settings are reflected in the device.
   After writing the settings, tap the smartphone over the target device again to read the current settings and confirm that the settings are correct from the function details screen.
   - Refer to 4.3.1 Read Settings from a Device (page 19) for details on how to read settings.

   Repeat (4) to (5) to write settings to other devices.

4. Basic Functions

Some setting data cannot be repeatedly written to other devices. Only the items marked with ○ in the table below can be written to other devices.

[Wired Remote Controller Setting Items]

○ : Indicates this item is operable.
— : Indicates this item is not operable.

Home Menu	Function Menu	Read(R) Write(W)	Saved Settings
Remote Controller Settings	Room Name	R/W	○
	Date/Time	R/W	—
	Language	R/W	○
	Temperature	R/W	○
	Run Indicator Brightness	R/W	○
Operation Schedule	Schedule	R/W	○
	Operation Schedule	R/W	○
	Holiday Setting	R/W	○
	Reset All	R/W	—
Power Saving Setting	Power Saving Settings	R/W	○
	Power Saving Details Settings	R/W	○
Service & Installation	Function Selection	R/W	○
	External Input/output	R/W	○
	Contact Information	R/W	○
	Hotel Mode	R/W	○
	Temperature Range Restriction	R/W	○
	Dual Setpoint	R/W	○
	Main/Sub Display	R/W	○
	Thermistor Selection	R/W	○
	Thermistor Calibration in Controller	R/W	○
	Auto-Restart: auto turn ON (d1)	R/W	○
	Auto-Restart: follow latest status from before outage (d3)	R/W	○
	Hi Fan Speed (C5)	R/W	○
	Lock Function	R/W	○
	Fan Speed at Cooling Thermo-OFF	R/W	○
	Fan Speed at Heating Thermo-OFF	R/W	○
	Cancel preheating control	W	—
	Power Up	R/W	○

4.3 Setting Operation
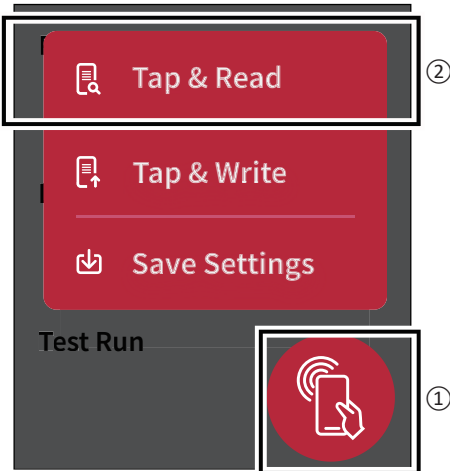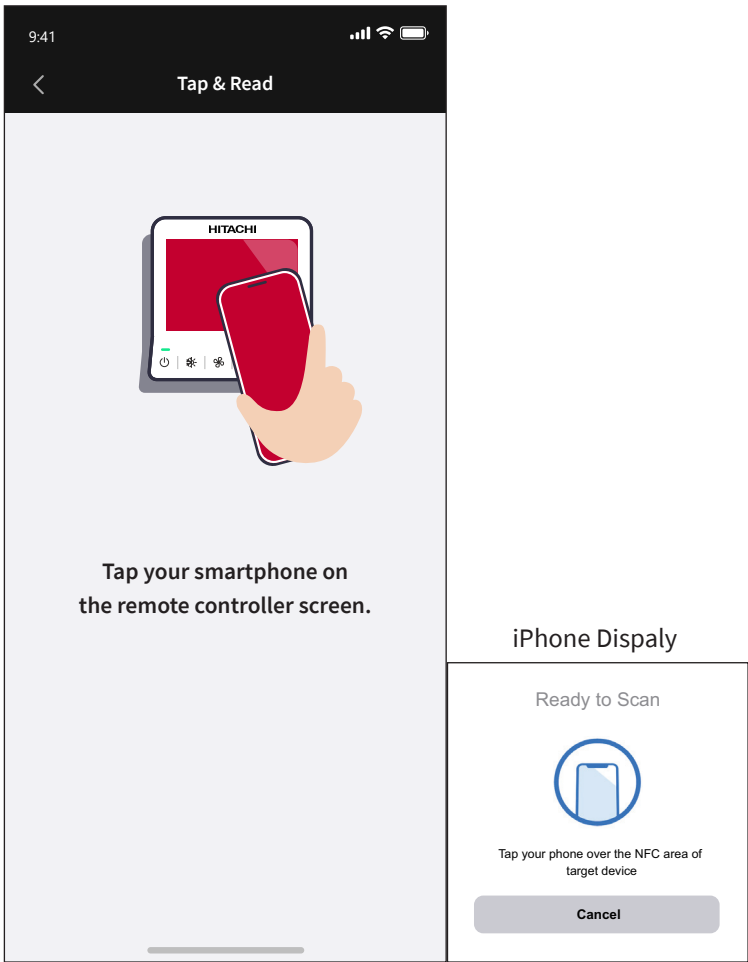
Setting operation are performed using the settings buttons on the home screen and function details screen.
It is possible to read and write device settings (wired remote controller) and save those settings to the app using these buttons.

NOTE:
- The designated screen must be displayed in advance.
  - For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen.
  - For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen.

4.3.1 Read Settings from a Device

Read the device settings using the smartphone. Only settings that can be configured in the app can be read.

	1. Tap ①the Settings button. 2. Tap ②"Tap & Read".
	3. When the Tap & Read screen appears, tap the smartphone over the wired remote controller LCD screen. NOTE: • When using an iPhone, tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed. To read the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance. • For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone. • For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone. Tap the smartphone over the screen to start NFC communication. • Be careful not to move the smartphone during communication.

	4. When the communication is completed successfully, "Read successfully" will be displayed. Tap "Close" and confirm the read settings from each function details screen.
9:41 .... ⚡ 🔋	
✓	• If the read failure message is displayed, try to read the settings again.
Read successfully !	NOTE: • If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).
Close	

4.3.2 Write Settings to a Device

Writing settings writes the settings changed in the function details screen to the device. Please note that settings that have not been changed will not be written.
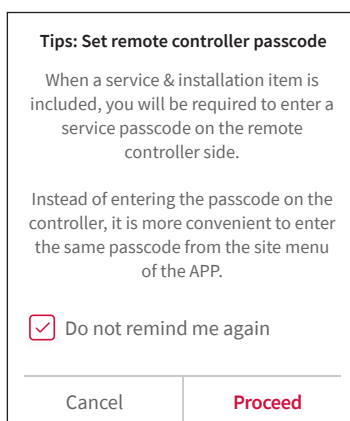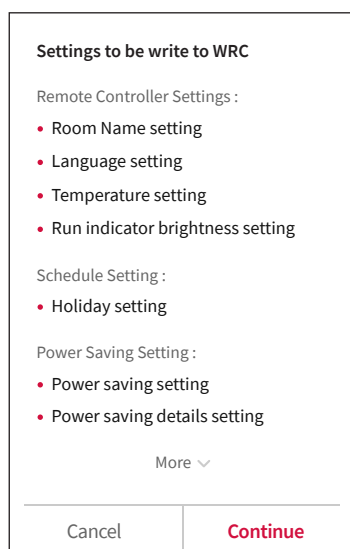
Tap & Read **Tap & Write** ② **Save Settings** Test Run ①	The settings to be written to the device can be changed from the function details screen. 1. Tap ①the Settings button. 2. Tap ②"Tap & Write".
Settings to be write to WRC Remote Controller Settings : • Room Name setting • Language setting • Temperature setting • Run indicator brightness setting Schedule Setting : • Holiday setting Power Saving Setting : • Power saving setting • Power saving details setting More ⌄ Cancel Continue	3. The list of changed detailed settings will be displayed. Confirm the contents, and tap "Continue". All setting items can be confirmed by tapping "More". To cancel writing the settings, tap "Cancel" to return to the previous screen.
Tips: Set remote controller passcode When a service & installation item is included, you will be required to enter a service passcode on the remote controller side. Instead of entering the passcode on the controller, it is more convenient to enter the same passcode from the site menu of the APP. ☑ Do not remind me again Cancel Proceed	4. When a confirmation message is displayed before writing, please confirm the contents. After confirmation, tap "Proceed". • Refer to 6.3 Enter the Wired Remote Controller Password (page 97) for details about the wired remote controller password.

To write settings, tap your phone to over wired remote controller

Ready to Scan

Tap your phone over the NFC area of target device

Cancel

Write successful !

Close

5. When the Write Setting screen appears, tap the smartphone over the wired remote controller LCD screen.
NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To write the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.
- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

NOTE:
- If the smartphone is separated from the device, communication will be cut off and data may become corrupted. If the smartphone is separated from the device, try to write the settings again before completing the operation.

6. When the communication is completed successfully, "Write successful!" will be displayed. After writing, tap "Close", read the settings from the device again, and check that the written contents are shown correctly.

If the write failure message is displayed, follow the instructions in the message.

NOTE:
- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

4.3.3 Save Setting Data

This saves the current settings as data in the application. The saved settings can be checked, edited, and written to the device from the settings data screen. Up to 200 settings can be saved in the wired remote controller settings. When the number of saved data reaches 200, the oldest data will be deleted automatically the next time the data is saved.
NOTE:

- Please note that the setting data cannot be transferred to other smartphones.

Tap & Read **Tap & Write** **Save Settings** ② **Test Run** ① --- **About Save Settings** By clicking on Save Setting button, all the current values of each settings read or edited are saved as one separated data file that you can revisit from the Saved Setting menu on the home screen. **OK** --- Setting Saved! Advanced Color - 20211014141111	Read the settings to be saved from the device or set them from the function details screen. 1. Tap ①the Settings button. 2. Tap ②"Save Settings". 3. Confirm the message displayed, and then tap "OK". 4. When the saving is completed, the data name will be displayed. The saved data can be checked from the settings data screen.

4.3.4 Write Setting Data to a Device

It is possible to write the saved setting data to a device. Use this function to save the same settings to multiple devices.
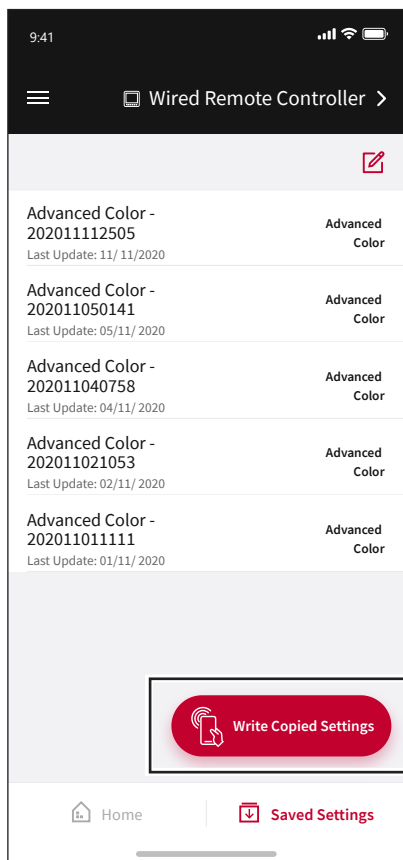
1. On the home screen, tap the "Saved Settings" button to open the settings data screen. Tap "Write Copied Settings".
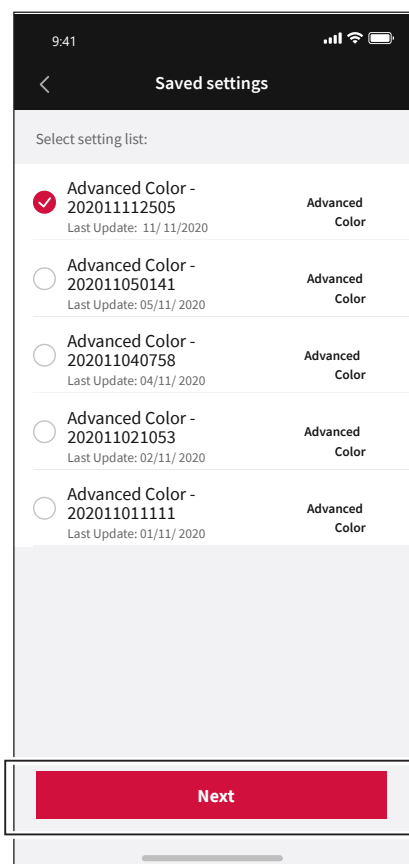
2. Select the data to be written to the device from the list of setting data.

3. Tap "Next".

To write settings, tap your phone to
over wired remote controller

Ready to Scan

Tap your phone over the NFC area of
target device

Cancel

Write successful !

Close

4. When the Write Setting screen appears, tap the smartphone over the wired remote controller LCD screen.

NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To write the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.
- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

NOTE:
- If the smartphone is separated from the device, communication will be cut off and data may become corrupted. If the smartphone is separated from the device, try to write the settings again before completing the operation.

5. When the communication is completed successfully, "Write successful!" will be displayed. After writing, tap "Close", read the settings from the device again, and check that the written contents are shown correctly.

If the write failure message is displayed, follow the instructions in the message.
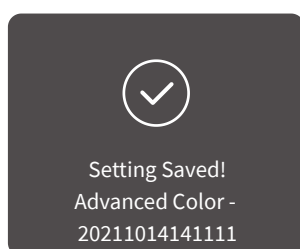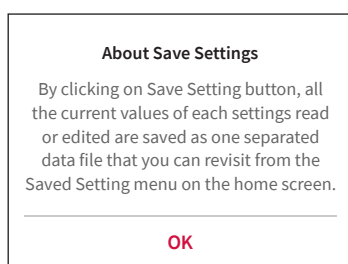
NOTE:
- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

4.3.5 Edit Setting Data

It is possible to edit setting data saved to the app.
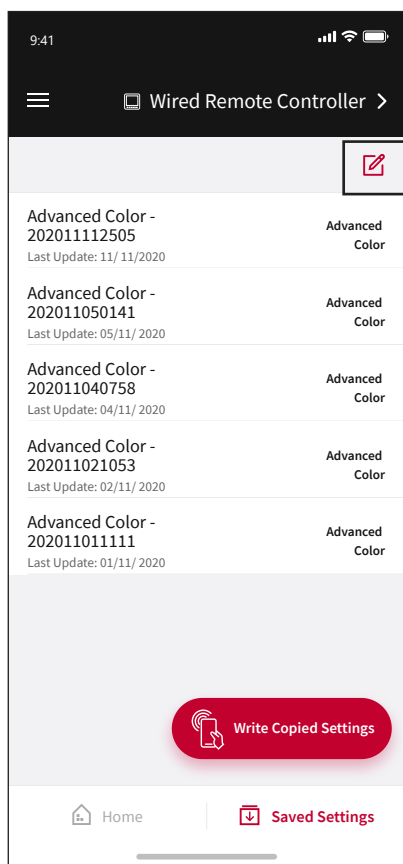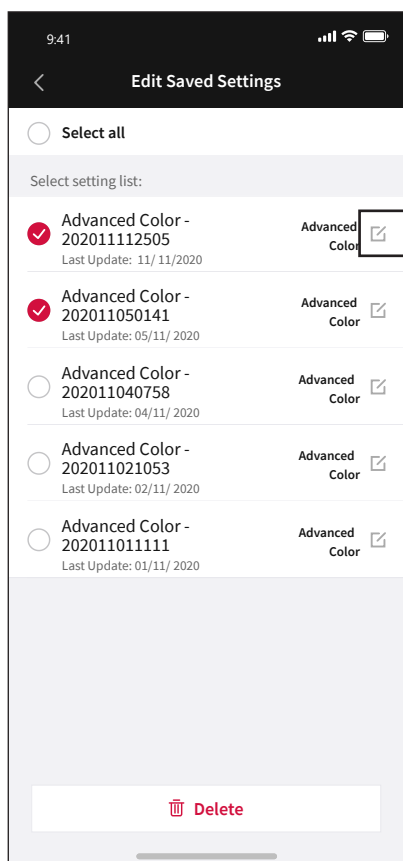
	1. On the home screen, tap the "Saved Settings" button to open the settings data screen. Tap " ✎ ".
	2. Tap " ✎ " to the right of the data to be edited in the data list.
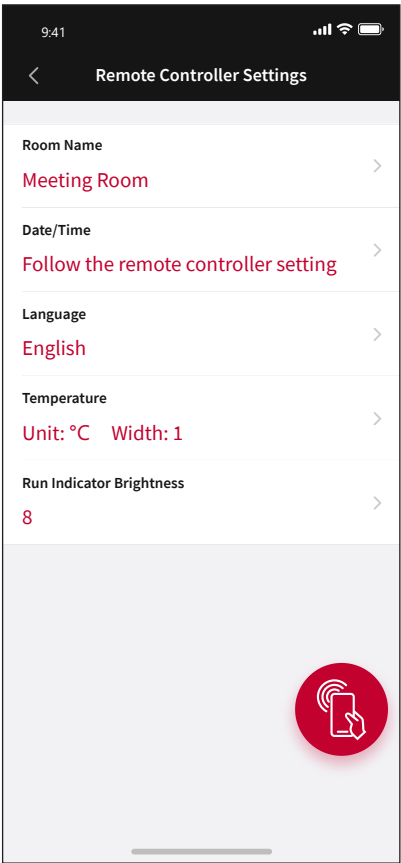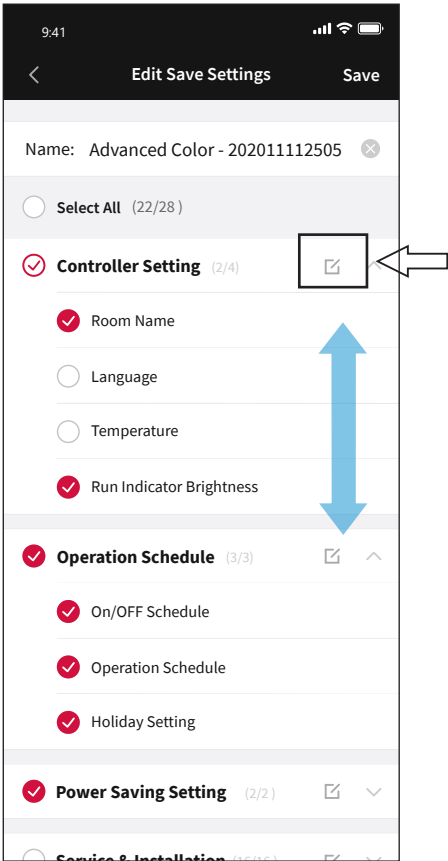
3. The setting items stored in the data will be displayed.
The icon to the left of the setting item confirms the setting to be written.

" ● ": Writable
" ○ ": Not writable

Tap the icon to the left of the setting item to select the item to be written.

To change the settings, tap " ☑ " to the right of the function name to open the detailed settings screen.

4. Select the item to change from the function details screen, and change the setting.

5. After updating, tap the "<" button in the upper left corner of the screen to return to the previous screen.
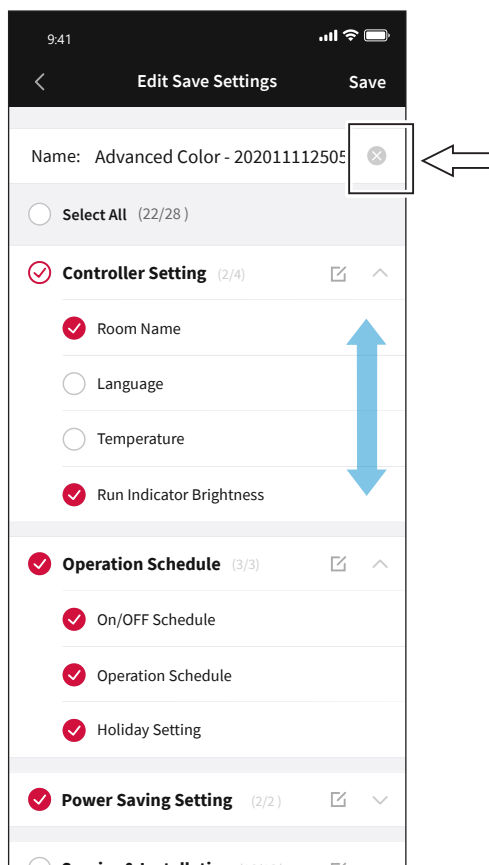
6. After completing the settings, tap "Save" in the upper right corner of the screen.

The changed settings will be reflected in the setting data.
Tap the name at the top of the screen to change the name.
After changing the name, save the data to create a new data set with the new name.

NOTE:
- The data before the name change will remain.

4.3.6 Delete Setting Data

9:41 ⬤ ≡ 🖥 Wired Remote Controller › ✏️ ⬅	1. On the home screen, tap the "Saved Settings" button to open the settings data screen. Tap " ✏️ ".
Advanced Color - 202011112505 — Last Update: 11/11/2020 — **Advanced Color** Advanced Color - 202011050141 — Last Update: 05/11/2020 — **Advanced Color** Advanced Color - 202011040758 — Last Update: 04/11/2020 — **Advanced Color** Advanced Color - 202011021053 — Last Update: 02/11/2020 — **Advanced Color** Advanced Color - 202011011111 — Last Update: 01/11/2020 — **Advanced Color** 🔴 Write Copied Settings 🏠 Home — ⬇ Saved Settings	
9:41 ‹ Edit Saved Settings ◯ Select all Select setting list: ✅ Advanced Color - 202011112505 — Last Update: 11/11/2020 — Advanced Color ✅ Advanced Color - 202011050141 — Last Update: 05/11/2020 — Advanced Color ◯ Advanced Color - 202011040758 — Last Update: 04/11/2020 — Advanced Color ◯ Advanced Color - 202011021053 — Last Update: 02/11/2020 — Advanced Color ◯ Advanced Color - 202011011111 — Last Update: 01/11/2020 — Advanced Color 🗑 Delete ⬅	2. Select the data to be deleted from the list. 3. Tap "Delete".
Delete selected setting? Cancel — **Delete**	4. To delete the data, tap "Delete". Tap "Cancel" to cancel deleting the data and return to the previous screen.
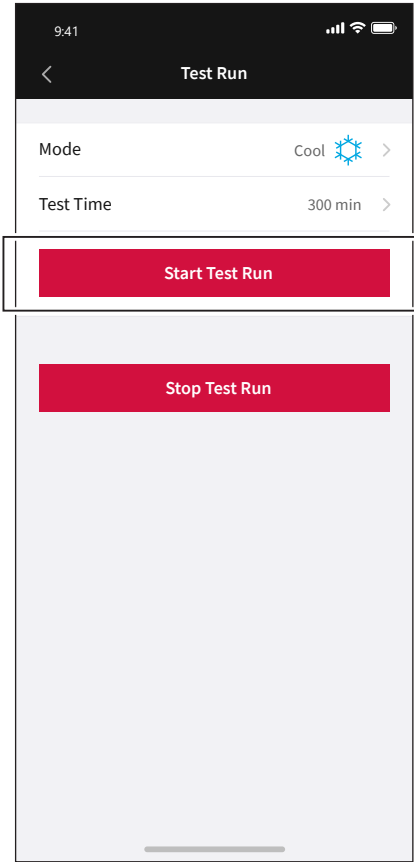
4.4 AC Control Operation (test run, compressor preheating control)

Control operation of the air conditioner is performed from each function details screen.
Control operation functions of the wired remote controller: Test run, Cancel preheating control

	1. Tap the button that appears on the screen for control functions such as test run. NOTE: • Refer to 5. Wired Remote Controller (page 35) for details.

9:41

< **Start Test Run**

HITACHI

To start Test Run, tap the smartphone on the wired controller screen with the App running.

Ready to Scan

Tap your phone over the NFC area of target device

Cancel

2. When the Start Test Run screen appears, tap the smartphone over the wired remote controller LCD screen.

NOTE:

- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To read the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.

- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

NOTE

- If the smartphone is separated from the device, communication will be cut off and data may become corrupted. If the smartphone is separated from the device, try to write the settings again before completing the operation.

3. When the communication is completed successfully, "Command transferred successfully!" will be displayed. After completion, please tap "Close" to check the status of the device.
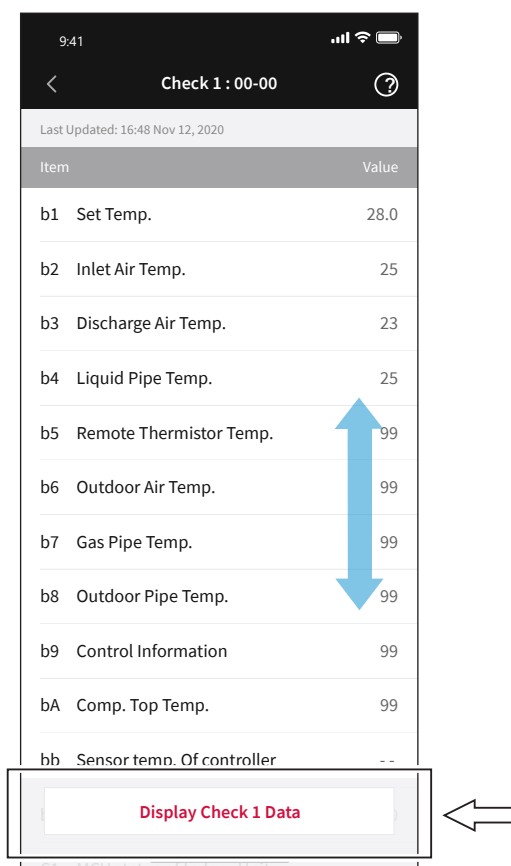
If the communication failure message is displayed, follow the instructions in the message.

NOTES:
- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).
- This screen is for notifying the completion of communication. Please check the status of the device separately for the actual control status.

4.5 Collect AC Status (Check, etc.)

The check data and other info displayed on the wired remote controller is displayed on the smartphone.
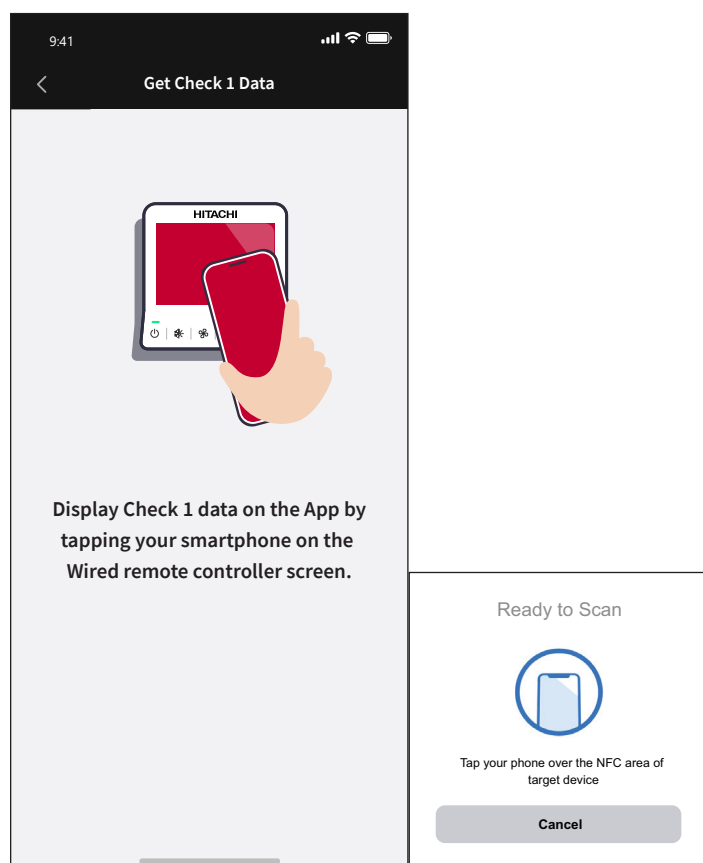
	1. Tap the button that appears on the smartphone check function screen. NOTE: • Refer to 5. Wired Remote Controller (page 35) for details.
	2. When the Get Check 1 Data screen appears, tap the smartphone over the wired remote controller LCD screen. NOTE: • Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed. To write the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance. • For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone. • For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone. Tap the smartphone over the screen to start NFC communication. • Be careful not to move the smartphone during communication.

9:41 ·ⅠⅠ 📶 🔋 **Read successfully !** Close	3. When the communication is completed successfully, "Read successfully!" will be displayed. Tap "Close" to display the check screen and check the result. If the read failure message is displayed, try to read the settings again. NOTE: • If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

5. Wired Remote Controller

5.1 Function Overview

The table below shows a list of applicable wired remote controller functions. The available functions and operation vary depending on the wired remote controller settings and the connected air conditioner. Therefore, there is a possibility that the air conditioner will not operate as set. Please make settings according to the air conditioner you are using.

○ : Available -- : Not Available

Function		Advanced Color	Eco Compact
Remote Controller Settings	Setting related to wired remote controller display		
Room Name	Set and display room name where the wired remote controller is installed.	○	--
Date/Time	Set time on smartphone to the wired remote controller.	○	○
Language	Set and display the language on the wired remote controller.	○	--
Temperature	Set and display the unit and width of temperature setting on the wired remote controller.	○	○
Run Indicator Brightness	Set and display brightness of the wired remote controller's run indicator.	○	--
Operation Schedule [*1]	Schedule setting function		
Schedule	Set and display schedule enable/disable.	○	○
Operation Schedule	Set and display schedule for each day of the week.	○	○
Holiday Setting	Set and display holidays when schedule is not active.	○	--
Reset All	Reset the schedule settings on the app.	○	○
Power Saving Setting	Setting related to power saving		
Power Saving Settings	Set and display power saving settings.	○	○
Power Saving Details Settings	Set and display power saving details settings.	○	--
Service & Installation	Functions that can be set during installation and maintenance		
Function Selection	Set and display function selection.	○	○
External Input/output	Set and display external input/output settings.	○	○
Contact Information	Set and display service contact information.	○	--
Hotel Mode	Set and display hotel mode.	○	--
Temperature Range Restriction	Set and display wired remote controller programmable temperature range.	○	○
Dual Setpoint	Set and display dual heating, cooling operation.	○	--
Main/Sub Display	Set and display main, sub display.	○	○
Thermistor Selection	Set and display thermo selection.	○	○
Thermistor Calibration in Controller	Set and display wired remote controller thermo correction value.	○	○
Auto-Restart: auto turn ON (d1)	Set and display power supply on/off 1.	○	○
Auto-Restart: follow latest status from before outage (d3)	Set and display power supply on/off 2.	○	○
Hi Fan Speed (C5)	Set and display indoor fan acceleration.	○	○
Lock Function [*2]	Set and display wired remote controller operation enable/disable setting.	○	○
Fan Speed at Cooling Thermo-OFF	Set and display cooling thermo-off fan deceleration.	○	○
Fan Speed at Heating Thermo-OFF	Set and display heating thermo-off fan deceleration.	○	○
Cancel preheating control	Cancel compressor preheating control.	○	--
Power Up	Set and display power up settings.	○	--
Test Run	This function is useful during test runs.		
Mode	Set test run mode.	○	○
Test Time	Set test time.	○	○
Start Test Run	Start test run.	○	○
Stop Test Run	Stop test run.	○	○
Check Menu	This is a useful feature for services.		
Alarm History	A history of up to 30 past alarms can be displayed.	○	○
Product Info	Display the model information of the connected air conditioner.	○	○
Check 1	Display the status of sensor data, etc. of the air conditioner.	○	○

Function		Advanced Color	Eco Compact
Check 2	Display the status of sensor data, etc. of the air conditioner immediately before the alarm occurs.	○	○
Check PCB of the Units	Display the diagnostic results of the air conditioner PCB.	○	--

*1: The available functions depend on the wired remote controller model. Refer to 5.4.2 Schedule Setting (page 51).
*2: The available functions depend on the wired remote controller model. Refer to 5.4.4 Service & Installation (page 60).

5.2 Advanced Color Wired Remote Controller

5.2.1 How to Use

Select the function to carry out from the wired remote controller home screen of the app and hold the smartphone over the wired remote controller to check different settings and data.

The NFC antenna is built into the wired remote controller LCD screen. Tap the NFC part of the smartphone near the LCD screen.

NOTE:
- When using an iPhone, NFC is located on the top of the smartphone.
- The location of the NFC depends on the smartphone. Please check the operation manual of your smartphone.

5.2.2 Wired Remote Controller NFC Communication Screen

The wired remote controller can only receive NFC communication from this app on the designated screen. Please use the wired remote controller to display the designated screen and then perform different settings and data confirmation from the app.

(1) Reception screen for reading and writing settings, cancel preheating control, test run, error history, and product information.
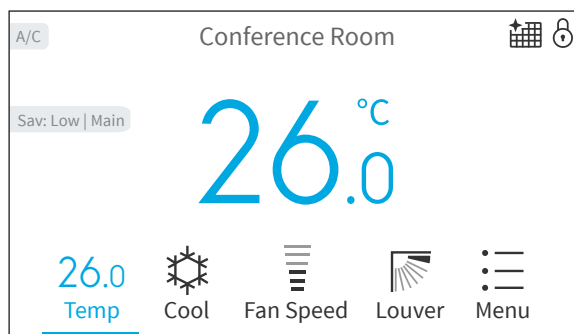
Display the home screen on the wired remote controller and hold the "<" and ">" buttons simultaneously for 3 seconds.

(2) Reception screen for collecting Check 1, Check 2, and Check PCB of the Units

Check 2 : 01-01			
Item	**Value**	**Item**	**Value**
b1	91	b6	91
b2	95	b7	4
b3	42	b8	2
b4	27	b9	53
b5	36	bA	92
⌄ Long Press for 3 Seconds		↩ Back	

Display the Check 1, Check 2, and Check PCB of the Units screens on the wired remote controller.
The NFC icon will appear in the upper right corner of the screen.

For Check 1 and 2, tap the smartphone over the LCD screen while the values are displayed.

01-01
Check 1: 00
Check 2: 00
Check 3: 00
↩ Back

For Check PCB of the Units, tap the smartphone over the LCD screen while the diagnosis result is displayed.

5.2.3 Wired Remote Controller Operation after Writing Settings

After writing settings from the app to the wired remote controller, the wired remote controller must be used.

NOTICE

- Settings cannot be written while the air conditioner is in operation.
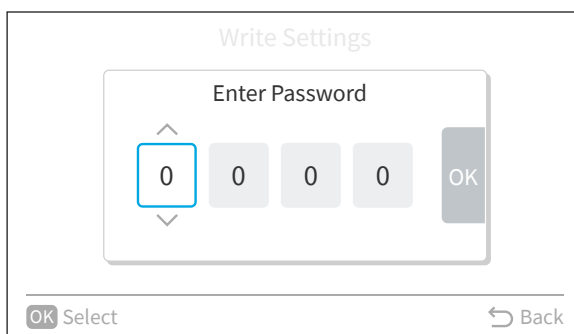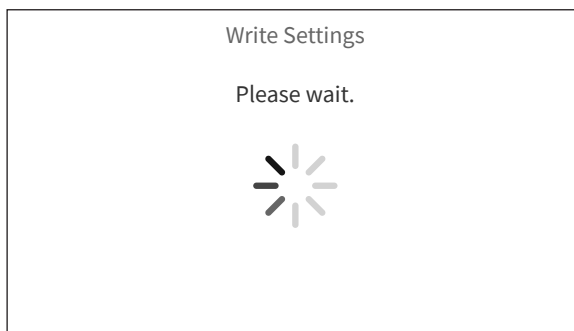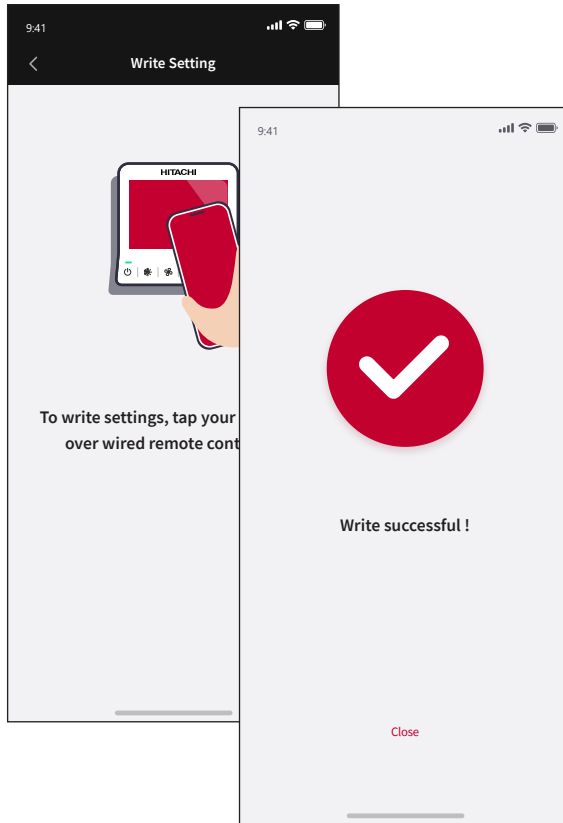
Write Setting / Write successful!	1. Tap the smartphone over the wired remote controller LCD screen to write the settings to the wired remote controller. NOTE: • Refer to 4.3 Setting Operation (page 19) for details about the writing operation.
Write Settings / Please wait.	2. Check the wired remote controller screen.
Write Settings / Enter Password	3. Enter the Service and Installation password on the wired remote controller screen. NOTE: • This step can be skipped by registering the Service and Installation password to the wired remote controller password in the side menu in advance. Refer to 6.3 Enter the Wired Remote Controller Password (page 97).

5. Wired Remote Controller

Write Settings

Display data for each of the settings below starting with the Room Name Setting. For More details, please refer to the operation manual of airCloud Tap.

$\frac{01}{10}$

OK Select

4. The list of settings written from the app will be displayed on the wired remote controller.
   Press the "V" button to confirm that the settings written from the app are marked with "√" or "!" [*1] on the wired remote controller screen, and then press the "OK" button.

√ : Writable
! : Partially writable
-- : Not writable

*1: If "!" is displayed, some settings will not be reflected in the wired remote controller.

Write Settings

Item	Status
Wired Remote Controller Settings	
Lock Function	!
Fan Speed at Cooling Thermo-OFF	√
Fan Speed at Heating Thermo-OFF	√
Cancel Preheating Control	--

$\frac{09}{10}$

OK Select

HO2021466A
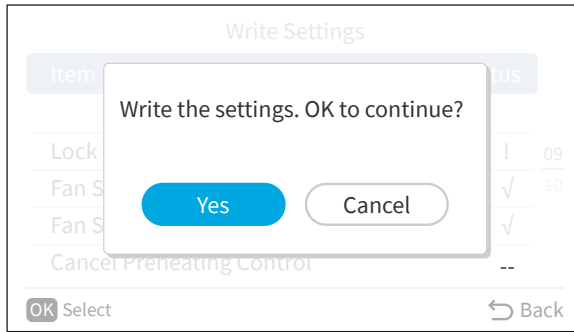
Write Settings	5. Select "Yes" on the wired remote controller display, and press the "OK" button. To cancel writing the settings, select "Cancel" and press the "OK" button.
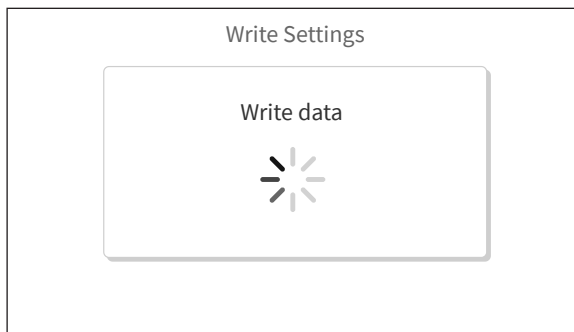
Write the settings. OK to continue?

Yes | Cancel

Lock | ! | 09
Fan S | √ | 10
Fan S | √
Cancel Preheating Control | --

OK Select   ⤺ Back

Write Settings

Write data

6. "Write data" will be displayed on the wired remote controller screen. Please wait for a moment.

Write Settings

Write setting data is done. Do you want to continue?

Yes | No

OK Select   ⤺ Back
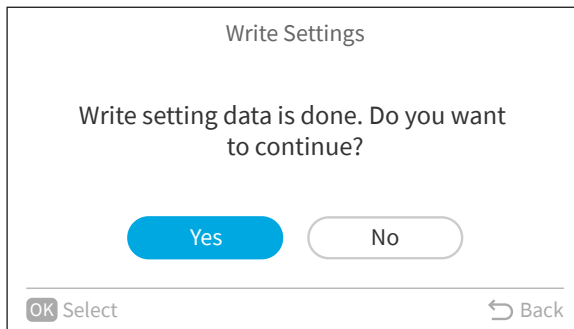
7. When writing is completed, the screen shown at left appears on the wired remote controller. Select "Yes" to continue the operation, or "No" to quit the operation, and press the "OK" button.

Write Settings

Failed to write setting data. Please try again.

OK

OK Select   ⤺ Back
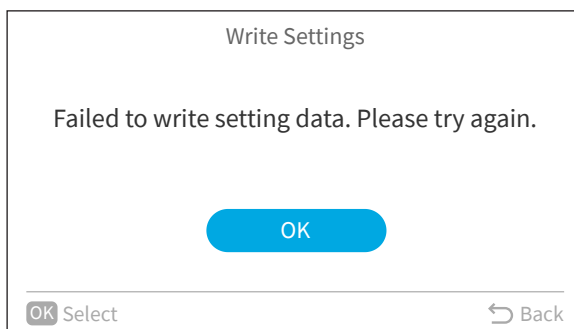
8. If writing the settings fails, check the status of the app and wired remote controller, and then try again.

5.2.4 NFC Write Successful/Failure Condition

If "!" is displayed on "Write Settings" screen on the Advanced Color wired remote controller screen, please check the following.

Item	Description
Remote Controller Settings	
Temperature	Cannot write. Check if the wired remote controller or indoor unit supports 0.5°C temperature increments.
Power Saving Setting	
Power Saving Settings	Cannot write. Check if any of the following apply. • This function is not available when the system configuration does not support power saving. • The power saving mode that can be switched differs depending on the type of outdoor unit or indoor unit in use. • The sub wired remote controller does not support power saving mode. • If the power saving mode is "Capacity Control" and the sub wired remote controller is used, the power saving ON/OFF and power saving level cannot be set.
Power Saving Details Setting	Cannot write. Check if any of the following apply. • This function is not available when the system configuration does not support power saving. • If the control method is "Sensor Order" and the indoor/outdoor unit does not support this function, it cannot be set.
Service & Installation	
Function Selection	Partially writable. • Check if the settings are reflected in the device. (Refer to 4.3.1 Read Settings from a Device (page 19).) • Depending on the type of indoor/outdoor unit, there may be items that cannot be set and items that cannot be operated by the indoor/outdoor unit even they are set. Make sure to check the installation and maintenance manual for the indoor unit to confirm the settings before setting.
Dual Setpoint	Cannot write. Check if any of the following apply. • Check if the system configuration supports dual setpoint. • Enable dual setpoint in function selection (setting item b8).
Main / Sub Display	Cannot write. • This function is not available when the system configuration does not support power saving.
Lock Function	Cannot write. Check if any of the following apply. • If remote control operation is disabled by the central controller (individual setting), it cannot be used. • Cannot be used if the central controller is being used.
Power Up	Cannot write. Check if any of the following apply. • This function is not available depending on the model connected to the wired remote controller. • Cannot be used with a sub wired remote controller.

5.3 Eco Compact Wired Remote Controller

5.3.1 How to Use

Select the function to carry out from the wired remote controller home screen of the app and hold the smartphone over the Eco Compact wired remote controller to check different settings and data.

The NFC antenna is built into the Eco Compact wired remote controller LCD screen. Tap the NFC part of the smartphone near the LCD screen.

NOTE:
- When using an iPhone, NFC is located on the top of the smartphone.
- The location of the NFC depends on the smartphone. Please check the operation manual of your smartphone.

5.3.2 Wired Remote Controller NFC Communication Screen

The Eco Compact wired remote controller can only receive NFC communication from this app on the designated screen. Please use the Eco Compact wired remote controller to display the designated screens shown in (1) and (2) and then perform different settings and data confirmation from the app.

(1) Reception screen for reading and writing settings, test run, error history, and product information.
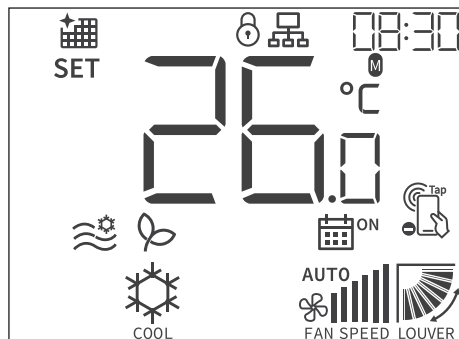
Display the home screen on the Eco Compact wired remote controller and hold the "∧" and "∨" buttons simultaneously for 3 seconds.

(2) Reception screen for collecting Check 1 and Check 2
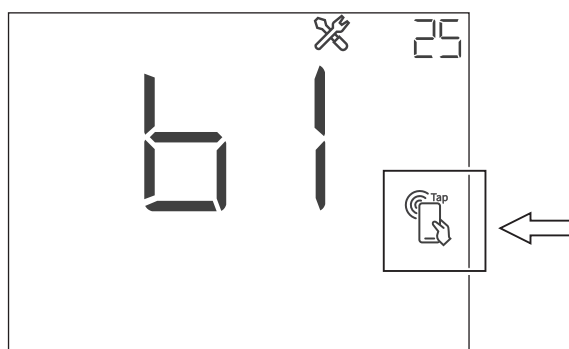
	Display the Check 1 and Check 2 screens on the Eco Compact wired remote controller. The NFC icon will appear in the upper right corner of the screen. For Check 1 and 2, tap the smartphone over the LCD screen while the values are displayed.

5.3.3 Wired Remote Controller Operation after Writing Settings

After writing settings from the app to the Eco Compact wired remote controller, the wired remote controller must be used.

NOTICE
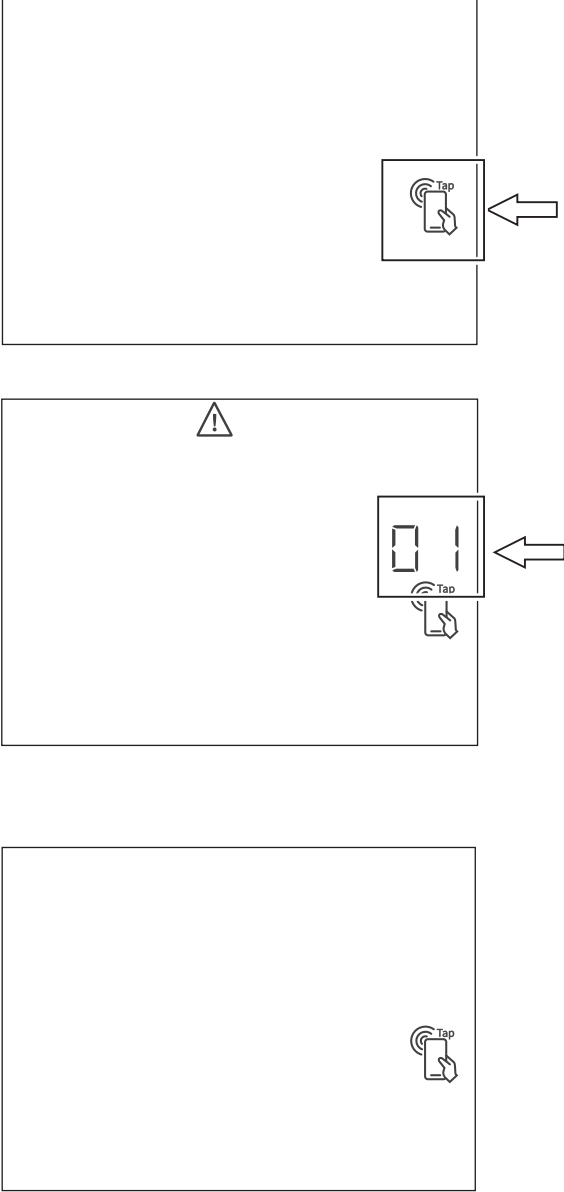
- Settings cannot be written while the air conditioner is in operation.
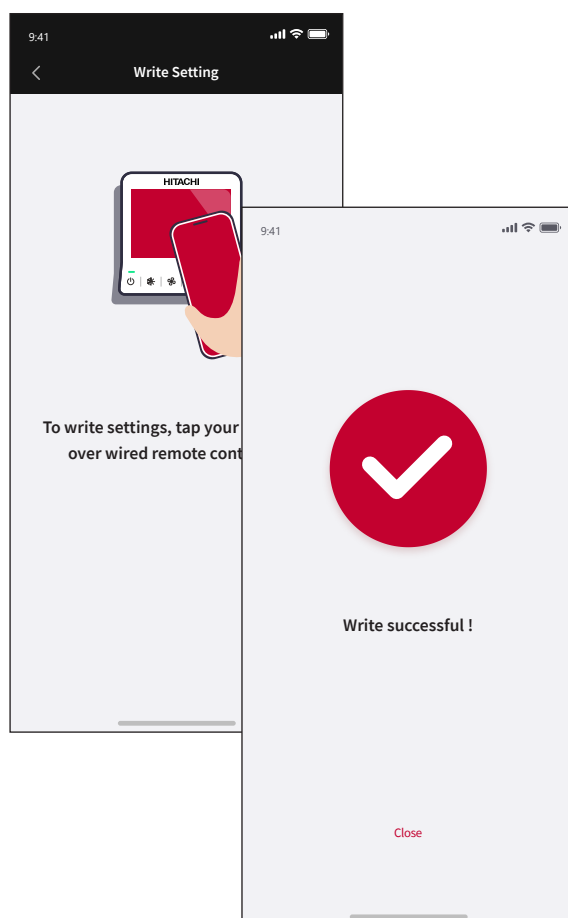
	1. Tap the smartphone over the Eco Compact wired remote controller LCD screen to write the settings to the Eco Compact wired remote controller. NOTE: - Refer to 4.3 Setting Operation (page 19) for details about the writing operation.

2. On the Eco Compact wired remote controller, check that the NFC icon flashes and press the "❀" button.

NOTE:
* If writing the settings fails, an error code will be displayed. Check the status of the app and the Eco Compact wired remote controller screen.
  Press the "❀" button to the previous screen and try to write the settings again.

4. When writing is completed, the screen shown at left appears on the Eco Compact wired remote controller. To quit the operation, press the "⏻" button, or hold the "⌃" and "⌄" buttons simultaneously for 3 seconds.

5.3.4 NFC Write Successful/Failure Condition

If an error code is displayed on the "Write Settings" screen of the Eco Compact wired remote controller, please check the following.

Error Code	Description		
01	The air conditioner is in operation. Stop the air conditioner and try again.		
02	Remote Controller Settings		
		Temperature	Cannot write. Check if the wired remote controller or indoor unit supports 0.5°C temperature increments.
	Power Saving Setting		
		Power Saving Settings	The writing of this item is not accepted by the controller. Check if any of the following apply. • This function is not available when the system configuration does not support power saving. • Only "Capacity Control" is supported in power saving mode. • If the system is set at "Rotation Control" or "Intermittent Control", this error code will occur when copying settings to Eco compact wired remote controller. The power saving mode setting will be excluded and not be changed on the controller. • The power saving ON/OFF and level settings only can be set on MAIN wired remote controller and cannot be set on the SUB one.
	Service & Installation		
		Function Selection	Partially writable. • Check if the settings are reflected in the device. (Refer to 4.3.1 Reading Settings from a Device (page 21).) • Depending on the type of indoor/outdoor unit, there may be items that cannot be set and items that cannot be operated by the indoor/outdoor unit even they are set. Make sure to check the installation and maintenance manual for the indoor unit to confirm the settings before setting.
		Main / Sub Display	Cannot write. • This function is not available when the system configuration does not support power saving.
		Lock Function	Cannot write. Check if any of the following apply. • If remote control operation is disabled by the central controller (individual setting), it cannot be used. • Cannot be used if the central controller is being used.
03	There may be a problem with the data. Please try again.		

5.4 Function Detail

5.4.1 Wired Remote Controller Settings
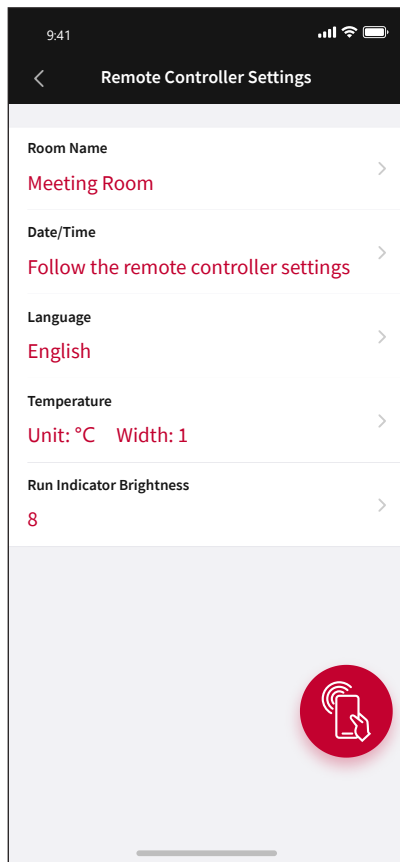
<table>
<tr>
<td>

9:41   .ıll 🛜 🔋

‹   **Remote Controller Settings**

Room Name   ›
Meeting Room

Date/Time   ›
Follow the remote controller settings

Language   ›
English

Temperature   ›
Unit: °C   Width: 1

Run Indicator Brightness   ›
8

</td>
<td>

Tap "Remote Controller Settings" on the home screen to display the list of wired remote controller settings.

1. Tap "Tap & Read". The settings for each item will be displayed on the Remote Controller Settings screen.
NOTE:
- If the settings have already been read, this step can be skipped.

2. Tap the item to be set and change the setting on the edit screen that appears.

(1) Room Name [*1]
(2) Date / Time
(3) Language [*1]
(4) Temperature
(5) Run Indicator Brightness [*1]
*1: This item is displayed only on the Advanced Color wired remote controller.

3. Tap "Tap & Write". If the write is successful, the wired remote controller settings will be changed.
NOTE:
- If other settings need to be changed, they can be written together later.

</td>
</tr>
</table>

(1) Room name registration
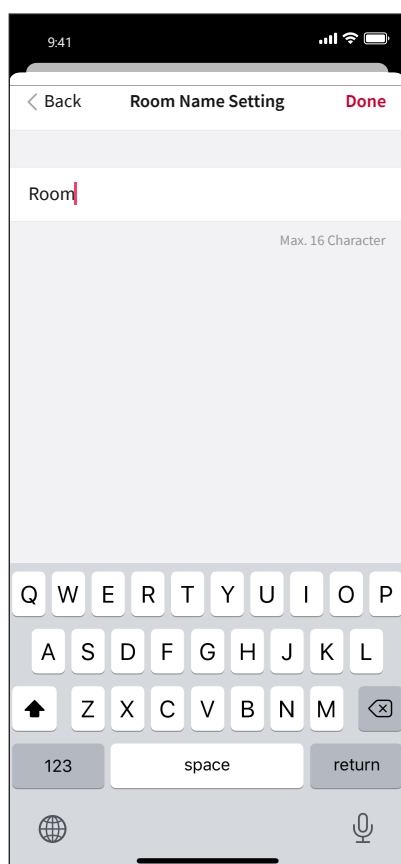
9:41	The current room name will be displayed in the name field.
‹ Back **Room Name Setting** Done	1. Tap the name area, and enter the room name.
Room|	NOTE:
Max. 16 Character	• 16 characters maximum, alphanumeric characters only. If anything other than alphanumeric characters are entered, the wired remote controller may not display them correctly.
Q W E R T Y U I O P	
A S D F G H J K L	2. Tap "Done" after finishing.
⇧ Z X C V B N M ⌫	
123 space return	
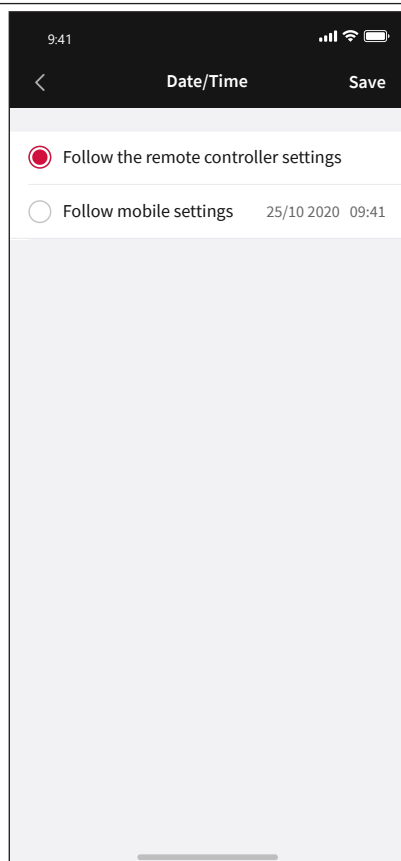
(2) Date/Time

9:41	The current setting will be marked with "●".
‹ **Date/Time** Save	
⊙ Follow the remote controller settings	1. Tap the desired option and make sure that the "●" mark appears next to it.
○ Follow mobile settings 25/10 2020 09:41	Select "Follow mobile settings" to set the time on the smartphone to the wired remote controller.
	Select "Follow the remote controller settings" and the time will not be set on the wired remote controller.
	2. After making a selection, tap "Save".

(3) Language
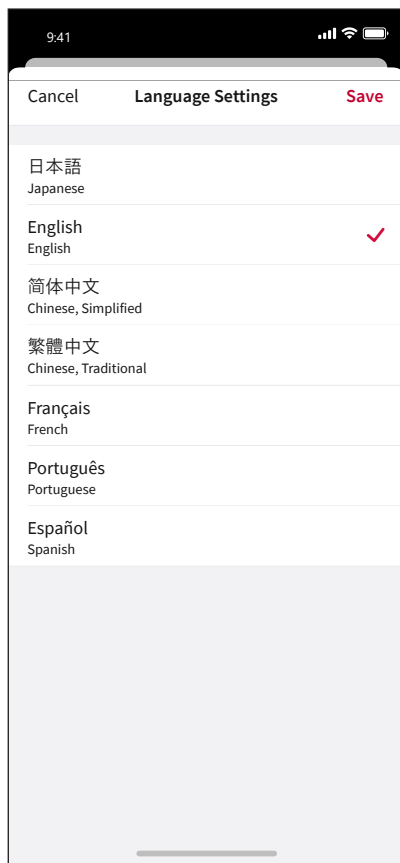
9:41 .ull 🤍 🔋 Cancel **Language Settings** **Save** 日本語 Japanese English English ✓ 简体中文 Chinese, Simplified 繁體中文 Chinese, Traditional Français French Português Portuguese Español Spanish	The current setting will be marked with "√". 1. Tap the desired option and make sure that the "√" mark appears next to it. 2. After making a selection, tap "Save".

(4) Temperature
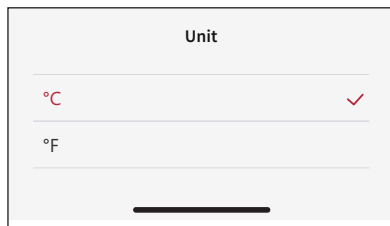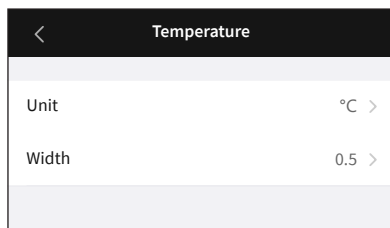
Temperature Unit °C > Width 0.5 >	On the Remote Controller Settings screen, tap "Temperature" to display the list of temperature settings and the current setting. • Unit • Width NOTE: • "Width" cannot be set when the temperature unit is "°F". Tap the item to be set and change the setting on the edit screen that appears.
Unit °C ✓ °F	[Unit] The current temperature setting will be marked with "✓". 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save".
Width 1 ✓ 0.5	[Width] The current temperature setting will be marked with "✓" 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save".

(5) Run Indicator Brightness
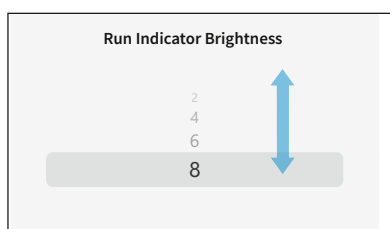
Run Indicator Brightness 2 4 6 **8**	The current setting will be selected. 1. Swipe up and down the screen and select the desired value. 2. After making a selection, tap "Save".

5.4.2 Schedule Setting

1. Advanced Color Wired Remote Controller

9:41
 	
‹ **Schedule Setting**
 	
Please set date and time on wired remote controller before applying the Schedule settings.
 	
Schedule   Not Set ›
 	
Operation Schedule
 	
     0   6   12   18
Mon
Tue
Wed
Thu   Holiday
Fri
Sat
Sun
 	
Holiday Setting
 	
Dec 16 - Dec 23
M T W T F S S
16 17 18 19 20
23
 	
↻ Reset All
	Tap "Operation Schedule" from the home screen to display the list of operation schedule settings.
	
	1. Tap "Tap & Read".
	   The settings of each item will be displayed on the Schedule Setting screen.
	NOTE:
	• If the settings have already been read, this step can be skipped.
	
	2. Tap the item to be set and change the setting on the edit screen that appears
	
	(1) Schedule
	(2) Operation Schedule
	(3) Holiday Setting
	
	3. Tap "Tap & Write". If the write is successful, the wired remote controller settings will be changed.
	• If other settings need to be changed, they can be written together later.
	Tap "Reset All" to reset the app schedule settings,
	
	NOTE:
	• When setting the schedule, please set the "Date/Time" in the "Remote Controller Settings" of the app, or set the "Adjusting Date/Time" in the "Screen Display Settings" of the remote control to match the time of the wired remote controller and the smartphone in advance.
	If the time is not correct, the schedule will not work properly.

(1) Schedule

Cancel **Save** **Schedule** Not Set ON ✓ OFF	The current setting will be marked with "√". 1. Tap the desired option and make sure that the "√" mark appears next to it. 2. After making a selection, tap "Save". If "No Set" is selected, "Not Set" will not be written.

(2) Operation Schedule

9:41	Tap "Operation Schedule" on the Schedule Setting screen to display the current setting on the calendar for Monday through Sunday.
Operation Schedule	
0 6 12 18	
Mon	1. Tap the day of the week whose settings need to be changed to display the schedule screen for each day.
Tue	
Wed	2. Tap "<" in the upper left corner of the screen to return to the previous screen.
Thu Holiday	
Fri	
Sat	
Sun	

| Monday Schedule				
	ON Time	OFF Time	Temp	
1	08:00	~	12:00	- - °C	>
2	12:00	~	15:00	26.0 °C	>
3	18:00	~	20:00	26.0 °C	>
4	- - : - -	~	- - : - -	- - °C	>
5	- - : - -	~	- - : - -	- - °C	>

On the schedule screen for each day of the week, the current schedule settings are displayed as No.1 to No.5.

Tap the number whose settings need to be changed to display the schedule screen for each number.

Tap "<" in the upper left corner of the screen to return to the previous screen.

< Back	Monday Schedule : 1	Done
ON Time		08:00
OFF Time		12:00
Temp		26.0 °C
	🗑 Delete	

The current "ON Time", "OFF Time", and "Temp" will be displayed on the schedule screen for each number.

1. Tap the setting field of the item to be set and swipe to enter the setting.

2. After making a selection, tap "Done".

3. After completing the settings, return to the previous screen.

Tap "<" in the upper left corner of the screen to discard the settings and return to the previous screen.

To delete the schedule pattern of the displayed number, tap "Delete".

(3) Holiday Setting
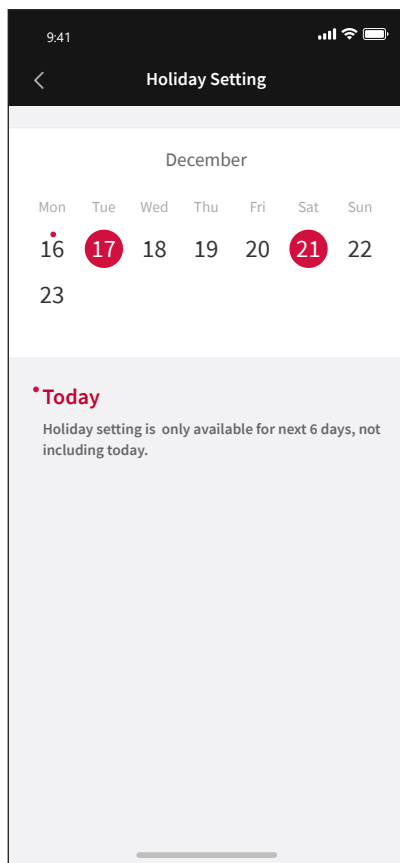
9:41 ▪▪▪ 🔋 ‹ **Holiday Setting** December Mon Tue Wed Thu Fri Sat Sun 16 **17** 18 19 20 **21** 22 23 **Today** Holiday setting is only available for next 6 days, not including today.	The current set holiday will be selected with " ● ". 1. Tap the date to be set and make sure that it is marked with " ● ". 2. After selecting the date, tap "<" in the upper left corner of the screen to return to the previous screen. NOTE: • The current day cannot be set as a holiday.

2. Eco Compact Wired Remote Controller

9:41 ... 📶 🔋 < **Schedule Setting** Please set date and time on wired remote controller before applying the Schedule settings Schedule　　　　　　　　Not Set >　 Operation Schedule 　　0　　6　　12　　18 Mon Tue Wed Thu Fri Sat Sun Weekly ON/OFF Setting Mon **Tue** Wed Thu Fri Sat Sun ↻ Reset All	Tap "Operation Schedule" from the home screen to display the list of operation schedule settings. 1. Tap "Tap & Read". 　The settings of each item will be displayed on the Schedule Setting screen. NOTE: • If the settings have already been read, this step can be skipped. 2. Tap the item to be set and change the setting on the edit screen that appears. (1) Schedule (2) Operation Schedule (3) Weekly ON/OFF Setting 3. Tap "Tap & Write". If the write is successful, the wired remote controller settings will be changed. • If other settings need to be changed, they can be written together later. Tap "Reset All" to reset the app schedule settings. NOTE: • When setting the schedule, please set the "Date/Time" in the "Remote Controller Settings" of the app, or set the "Adjusting Date/Time" in the "Screen Display Settings" of the remote control to match the time of the wired remote controller and the smartphone in advance. If the times don't match, the schedule will not work properly.
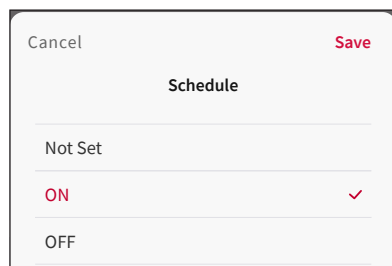
(1) Schedule

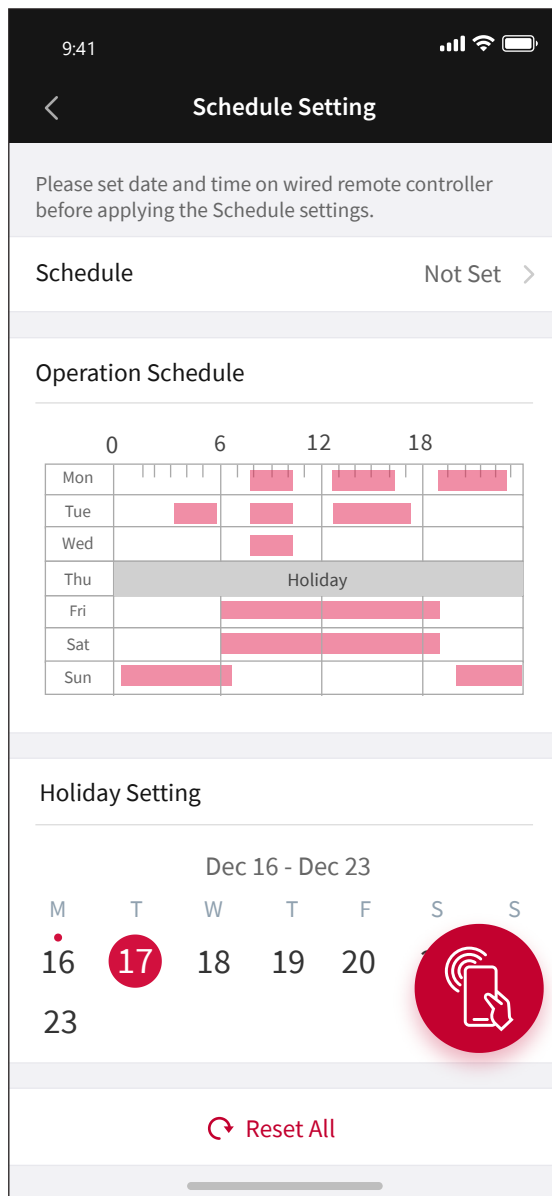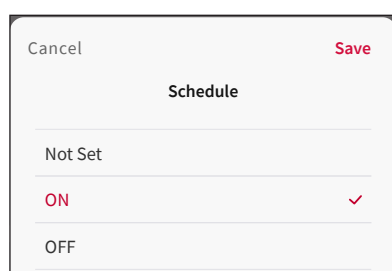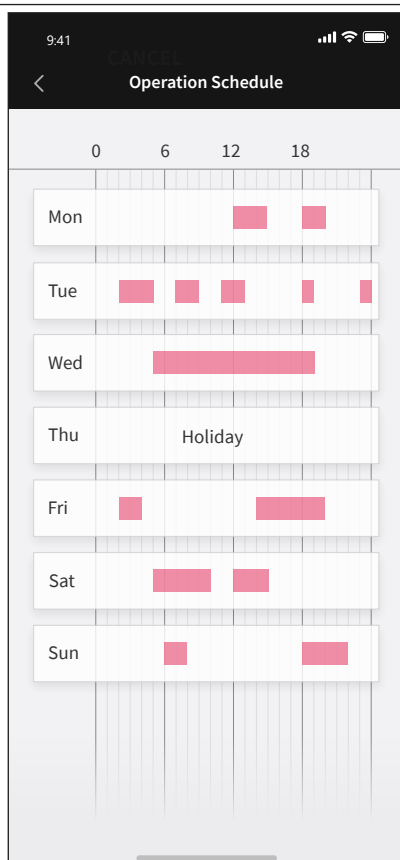|	
Cancel　　　　　　　　**Save** **Schedule** Not Set ON　　　　　　　　　　✓ OFF	The current setting will be marked with "√". 1. Tap the desired option and make sure that the "√" mark appears next to it. 2. After making a selection, tap "Save". If "No Set" is selected, "Not Set" will not be written.

(2) Operation Schedule
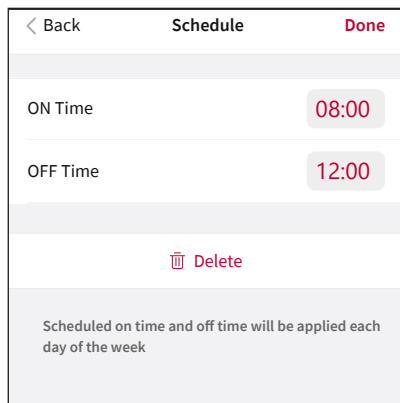
⟨ Back **Schedule** **Done** ON Time `08:00` OFF Time `12:00` 🗑 **Delete** **Scheduled on time and off time will be applied each day of the week**	Tap "Operation Schedule" on the Schedule Setting screen to display the current "ON Time" and "OFF Time". 1. Tap the setting field of the item to be set and swipe to enter the setting. 2. After making a selection, tap "Save". 3. After completing the settings, return to the previous screen. Tap "<" in the upper left corner of the screen to discard the settings and return to the previous screen. To delete the schedule pattern of the displayed number, tap "Delete". NOTE: • Scheduled ON time and OFF time will be applied to each day of the week.

(3) Weekly ON/OFF Setting
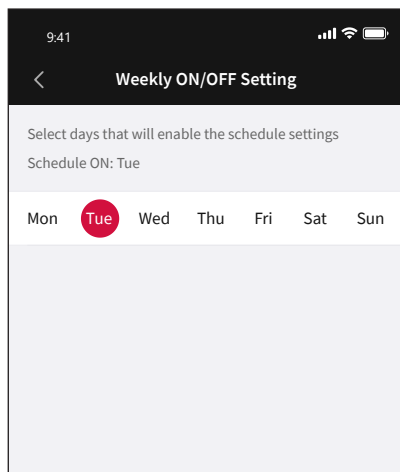
9:41 ▪▪▪ ⎙ 🔋 ⟨ **Weekly ON/OFF Setting** Select days that will enable the schedule settings Schedule ON: Tue Mon **Tue** Wed Thu Fri Sat Sun	The days on which operation is currently scheduled to take place will be selected with " ● ". 1. Tap the day to be set and make sure that it is marked with " ● ". 2. After completing the settings, tap "<" in the upper left corner of the screen to return to the previous screen.

5.4.3 Power Saving Setting

NOTICE

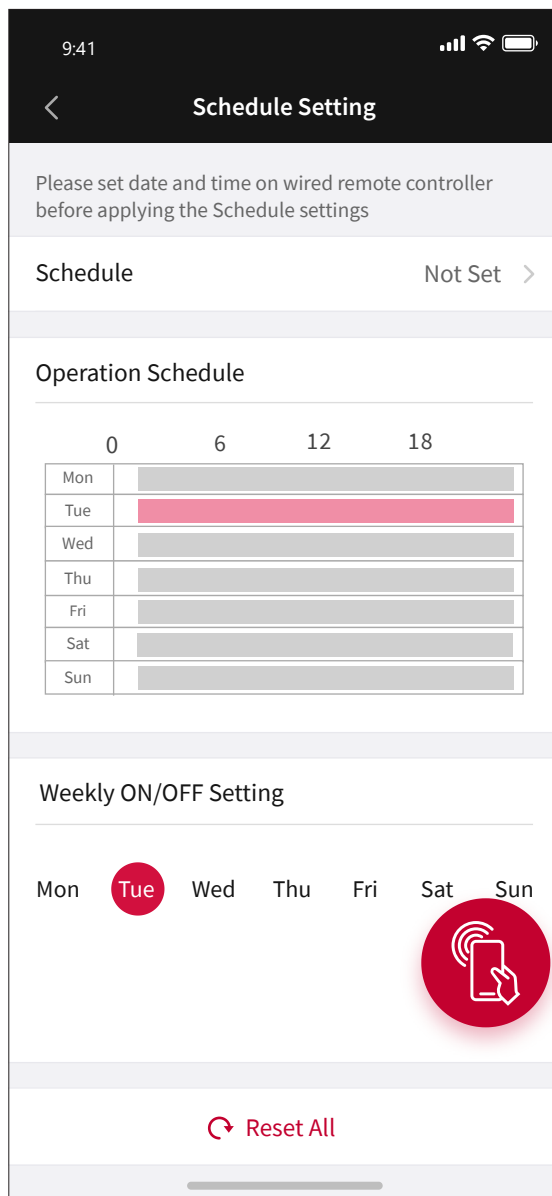- Writing the power saving mode or power saving details settings will cause the wired remote controller Power Saving Settings ON/OFF to be turned OFF.
  After writing, make sure to read the settings from the wired remote controller and check the Power Saving Settings ON/OFF.
- Do not write power saving details setting and power saving settings ON/OFF at the same time.
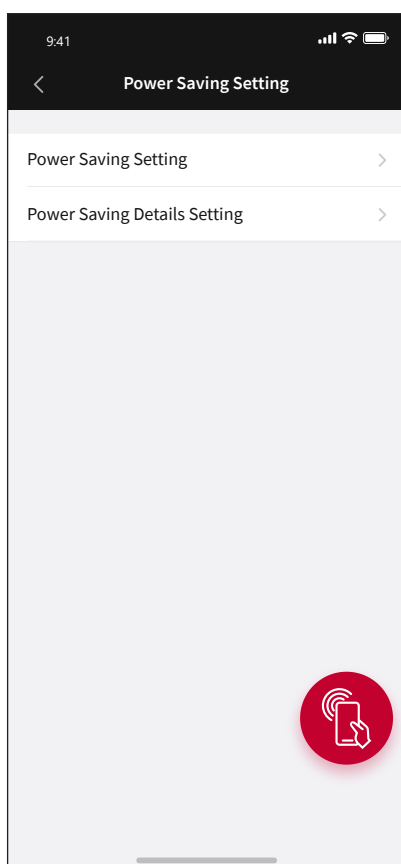
9:41 〈　　**Power Saving Setting** Power Saving Setting　　　〉 Power Saving Details Setting　　　〉	Tap "Power Saving Setting" from the home screen to display "Power Saving Setting" and "Power Saving Details Settings". 1. Tap "Tap & Read". NOTE: • If the settings have already been read, this step can be skipped. 2. Tap the item to be set and change the setting on the edit screen that appears. (1) Power Saving Setting (2) Power Saving Details Settings[*1] *1: This item is displayed only on the Advanced Color wired remote controller. 3. Tap "Tap & Write". If the write is successful, the settings on the wired remote controller will be changed. • If other settings need to be changed, they can be written together later. NOTE: • The power saving settings include settings that depend on the power saving details settings. It is recommended to configure the power saving details settings before configuring the power saving settings, or to read the settings from the wired remote controller in advance.

(1) Power Saving Settings
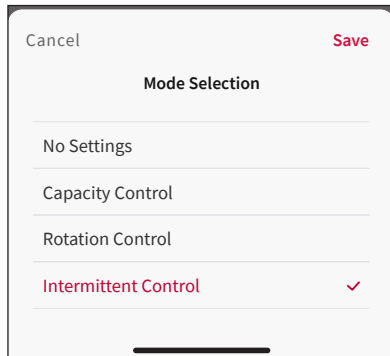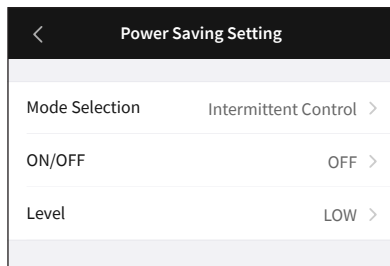
Power Saving Setting Mode Selection Intermittent Control > ON/OFF OFF > Level LOW > Cancel **Save** **Mode Selection** No Settings Capacity Control Rotation Control Intermittent Control ✓	Tap "Power Saving Setting" to display the current setting. 1. Select the item to be set and tap it. • Mode Selection • ON / OFF • Level 2. Tap the desired option on each setting screen and make sure that the "√" mark appears next to it. 3. After making a selection, tap "Save" to return to the Power Saving Setting screen. Tap "Cancel" to discard the changes and return to the Power Saving Setting screen. 4. Tap "<" in the upper left corner of the screen to return to the previous screen. • The power saving level can be set only when Capacity Control or Intermittent Control is selected. To set the power saving level, "Setting Range of Level" in "Power Saving Details Settings" does not need to be set in advance and the current settings do not need to be read from the wired remote controller.

(2) Power Saving Details Setting

Power Saving Details Setting Capacity Control > Rotation Control > Intermittent Control >	Tap "Power Saving Details Setting" to display "Capacity Control", "Rotation Control", and "Intermittent Control". 1. Tap the power saving mode to be set to display the detailed settings screen for each power saving mode. 2. Tap "<" in the upper left corner of the screen to return to the previous screen.

< Capacity Control >
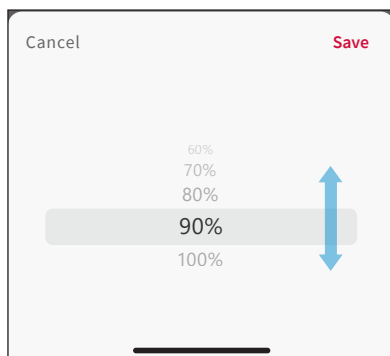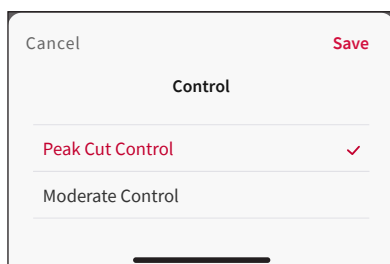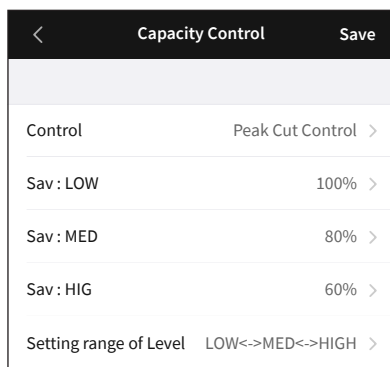
Capacity Control Save Control Peak Cut Control > Sav : LOW 100% > Sav : MED 80% > Sav : HIG 60% > Setting range of Level LOW<->MED<->HIGH > Cancel **Save** **Control** Peak Cut Control ✓ Moderate Control Cancel **Save** 60% 70% 80% **90%** 100%	The current setting will be displayed on the detailed settings screen for capacity control. 1. Select the item to be set and tap it. • Control • Sav: LOW • Sav: MED • Sav: HIG • Setting Range of Level 2. Select the desired option on each setting screen. NOTE: • For "Control" and "Setting Range of Level", tap the option and make sure that the "✓" mark appears next to it. For other settings, swipe up and down the screen and select the desired value. 3. After making a selection, tap "Save". After saving the settings, return to the detailed settings screen for capacity control. 4. Tap "Save". NOTE: • The range level values of percentage must be in the order LOW > MED > HIG. • Before tapping "Save", tap "<" to discard settings and return to the previous screen.

< Rotation Control >

Rotation Control
 	
Control   Temperature Order >
 	
Rotation Control   10min >
 	
Cancel   **Save**
Control
 	
Address Order
 	
Temperature Order   ✓
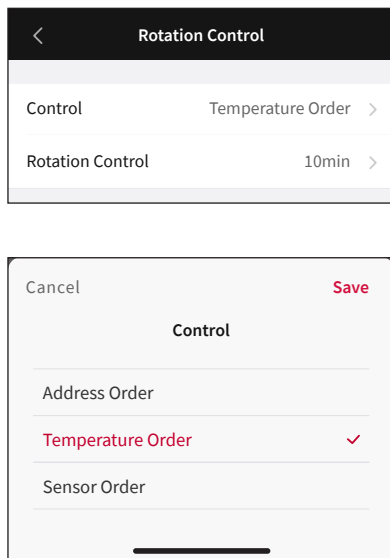 	
Sensor Order
	The current setting is displayed on the detailed settings screen for rotation control.
	
	1. Select the item to be set and tap it.
	  • Control
	  • Rotation Control
	
	2. Tap the desired option on each setting screen and make sure that the "√" mark is displayed next to it.
	
	3. After making a selection, tap "Save". After saving the settings, return to the detailed settings screen for rotation control.
	
	4. Tap "<" in the upper left corner of the screen to return to the previous screen.

< Intermittent Control >

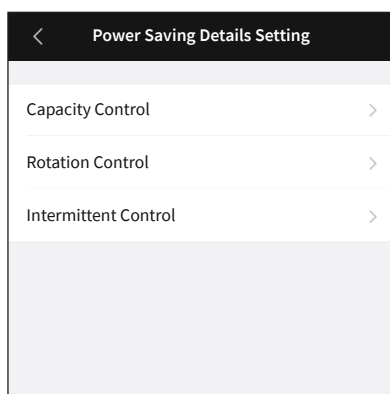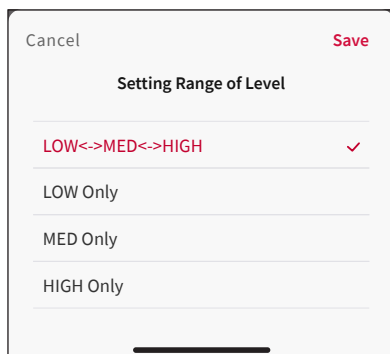|	
Cancel **Save** **Setting Range of Level** LOW<->MED<->HIGH ✓ LOW Only MED Only HIGH Only	The current setting is displayed on the detailed settings screen for intermittent control. 1. Tap the desired option and make sure that the "√" mark appears next to it. 2. After making a selection, tap "Save". After saving the settings, return to the Power Saving Details Settings screen. Tap "Cancel" to discard the changes and return to the Power Saving Details Settings screen.

5.4.4 Service & Installation

Service & Installation such as function selection and external input/output are made. When multiple indoor units are connected to the wire remote controller, the indoor units cannot be set individually.

Service & Installation 9:41 Service & Installation **Function Selection** More Information › **External Input/Output** More Information › **Contact Information** — — › **Hotel Mode** Unavailable › **Temperature Range Restriction** More Information › **Dual Setpoint** OFF › **Main/Sub Display** Display › **Thermistor Selection** IDU › **Thermistor Calibration in Controller** 0.5°C › **Auto-Restart: auto Turn ON(d1)** Unavailable › **Auto-Restart: follow latest status from before outage (d3)** Unavailable › **Hi Fan Speed(C5)** Standard static pressure › **Lock Function** More Information › **Fan Speed at Cooling Thermo-OFF** LOW › **Fan Speed at Heating Thermo-OFF** Unavailable › **Cancel preheating control** More Information › **Power Up** OFF ›	Tap "Service & Installation" from the home screen to display the list of Service and Installation. 1. Tap "Tap & Read". The settings of each item will be displayed on the "Service and Installation" screen. • If the settings have already been read, this step can be skipped. 2. Swipe up and down the screen and tap the item to be set. Change the settings on the edit screen that appears. (1) Function Selection (2) External Input / Output (3) Contact Information (4) Hotel Mode (5) Temperature Range Restriction (6) Dual Setpoint (7) Main / Sub Display (8) Thermistor Selection (9) Thermistor Calibration in Controller (10) Auto-Restart: auto Turn ON(d1) (11) Auto-Restart: follow latest status from before outage(d3) (12) Hi Fan Speed(C5) (13) Lock Function (14) Fan Speed at Cooling Thermo-OFF (15) Fan Speed at Heating Thermo-OFF (16) Power Up[*1] *1: This item is displayed only on the Advanced Color wired remote controller. 3. Tap "Tap & Write". If the write is successful, the wired remote controller settings will be changed. • If other settings need to be changed, they can be written together later.

(1) Function Selection
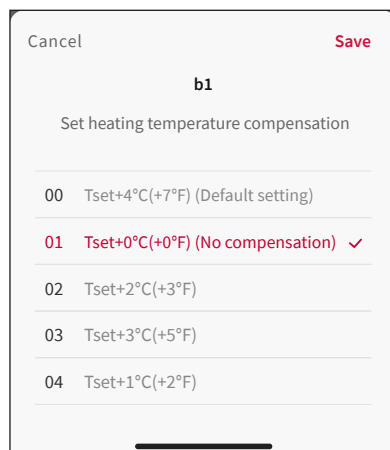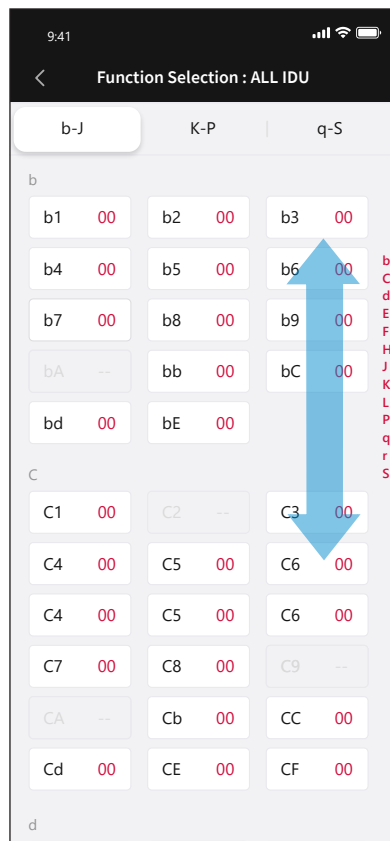
9:41 .ıll � 🔋 ‹ **Function Selection : ALL IDU** [b-J] K-P | q-S b b1 00 b2 00 b3 00 b4 00 b5 00 b6 00 b7 00 b8 00 b9 00 bA -- bb 00 bC 00 bd 00 bE 00 C C1 00 C2 -- C3 00 C4 00 C5 00 C6 00 C4 00 C5 00 C6 00 C7 00 C8 00 C9 -- CA -- Cb 00 CC 00 Cd 00 CE 00 CF 00 d	Tap "Function Selection" to display the Function Selection List. 1. Swipe up and down the screen, select the item to be set and tap it. The "b-J", "K-P", and "q-S" buttons at the top of the screen are shortcuts. Tap them to move to the position of the first letter.
Cancel **Save** **b1** Set heating temperature compensation 00 Tset+4°C(+7°F) (Default setting) 01 Tset+0°C(+0°F) (No compensation) ✓ 02 Tset+2°C(+3°F) 03 Tset+3°C(+5°F) 04 Tset+1°C(+2°F)	2. Tap the desired option on each setting screen and make sure that the "✓" mark appears next to it. 3. After making a selection, tap "Save" to return to the Function Selection list. Tap "Cancel" to discard the changes and return to the Function Selection list. 4. Tap "<" in the upper left corner of the screen to return to the previous screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made. • When multiple indoor units are connected, the value shown on the App may differ from that on the wired remote controller. In this case, please follow the value on wired remote controller. • Since the items that can be set differ depending on the indoor unit, if you change the items that the indoor unit does not support from the App, the settings will not be successfully set. For details, please refer to the installation and operation manual for each indoor unit and wired remote controller.

5. Wired Remote Controller

Function Selection List

Item	Optional Function
b1	Set heating temperature compensation
b2	Circulator Function during Heating Thermo-OFF
b3	Not used
b4	Change of filter cleaning period
b5	Lock operation mode on controller
b6	Lock temperature setting on remote controller
b7	Set operation mode as Cooling Unit
b8	Automatic Cool/Heat operation
b9	Lock fan speed setting on controller
bA	Not used
bb	Set cooling temperature compensation
bC	Not used
bd	Not used
bE	Not used
C1	Not used
C2	Not used
C3	Not used
C4	Not used
C5	Static pressure sel. / Increase Fan Hi speed
C6	Increase of fan speed at heating Thermo-OFF
C7	Cancel 3 min. compressor starting delay
C8	Sensor selection for indoor temp. control
C9	Not used
CA	Not used
Cb	Selection of forced stoppage logic
CC	Not used
Cd	Not used
CE	Not used
CF	Change of Louver Swing Angle
d1	Power Supply ON/OFF 1
d2	Not used
d3	Power Supply ON/OFF 2
d4	Prevention of low air outlet temperature in cooling mode
d5	Prevention of low air outlet temperature in heating mode
d6	Not used
d7	Lower the elevating grille[1]
E1	Ventilation Mode(for Total Heat Exchanger)[1]
E2	Increasing Supply Air Volume (for Total Heat Exchanger)
E3	Not used
E4	Precooling / Preheating Period(for Total Heat Exchanger)[1]
E5	Not used
E6	Indoor fan operation time after cooling operation stoppage
E7	Not used

Item	Optional Function
E8	Indoor Unit fan control during heating Thermo-OFF (remote sensor)
E9	Not used
EA	Not used
Eb	IU Fan speed during cooling thermo-off
EC	Forced Thermo-ON after cooling operation stop
Ed	Not used
EE	Automatic Fan Speed Control
EF	IU fan speed set to Auto allowing High 2 speed
F0	Not used
F1	Automatic OFF Timer Setting
F2	Controller primary-secondary setting
F3	Automatic Reset of Setting Temperature
F4	Automatic Reset Time
F5	Automatic Reset Temperature for Cooling
F6	Automatic Reset Temperature for Heating
F7	Operation stoppage prevention by wired controller operation error
F8	Lock Function for Operation Mode Selection
F9	Lock Function for Temperature Setting
FA	Lock Function for Fan Speed Selection
Fb	Lock Function for Swing Louver Operation
FC	Lower limit for cooling temperature setting
Fd	Upper limit for heating temperature setting
FE	Not used
FF	Not used
H1	Not used
H2	Indication of Hot Start
H3	Not used
H4	Not used
J1	Not used
J2	Not used
J3	Run Indicator Color
J4	Not used
J5	Not used
J6	Error Sound[1]
J7	Not used
J8	Eco-operation
J9	Not used
JA	Select the Simple Maintenance menu[1]
Jb	Not used
JC	Calibration for controller temp. sensor
Jd	Upper limit for cooling temperature setting
JE	Lower limit for heating temperature setting
K1	Not used

*1: This function is not used in the Eco Compact wired remote controller, so it doesn't work.

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Item	Optional Function
K2	Not used
K3	Not used
K4	Not used
K5	Motion sensor detection level[1]
K6	Operation mode selection when IDU control sensor is defined by C8 function
K7	Radiant Temp. sensor detection level[1]
K8	Not used
K9	Not used
KA	Not used
L1	Setting Position of Motion Sensor[1]
L2	Not used
L3	Select louver operation in energy-saving Th.-OFF (COOL & DRY)
L4	Fan Speed during Energy-Saving Forced Thermo-OFF
L5	Louver Swing Operation Energy-Saving Forced Thermo-OFF
L6	Not used
L7	Not used
L8	Not used
L9	Not used
LA	Humidifier blow control On/Off[1]
Lb	Humidifier blow control time setting[1]
P1	Setting temperature
P2	Not used(Advanced wired remote controller) Temperature Unit °C/°F Selection(Eco Compact wired remote controller)
P3	Select temperature sensor
P4	Temperature sensor display
P5	Temperature setting display in fan mode
P6	Not used
P7	Menu screen transition prohibited[1]
P8	Maintenance explanation display[1]
P9	Alarm explanation display[1]
PA	Daylight Savings Time
Pb	Not used
PC	Not used
q1	Not used
q2	Not used
q3	Not used
q4	Not used
q5	Not used
q6	Not used
q7	Not used
q8	Not used
q9	Not used
qA	Not used
qb	Operation mode with Setback
qC	Temp. differential for the Setback operation
qd	Minimum stop time of Setback

Item	Optional Function
qE	Setback Mode
qF	Operation state after Setback operation ends
r1	Dual Setpoint
r2	Differential temp. setting for Cooling-Heating changeover
r3	Setback Temperature Compensation
r4	Not used
r5	Not used
r6	FrostWash Manual Setting[1]
r7	FrostWash Automatic Setting[1]
r8	Enable/Disable Auto-FrostWash[1]
r9	Remote control prohibition during Setback operation
rA	FrostWash interval settings[1]
rb	Minimum Cool/Heat Time for Auto Cool/Heat Operation
rC	Max. outdoor temp. for Heat operation in Auto Cool-Heat Dual Setpoint
rd	Min. outdoor temp. for Cool operation in Auto Cool-Heat Dual Setpoint
rE	Setback Activating Temp. for Heat Mode
rF	Setback Activating Temp. for Cool Mode
S1	Econo outside air high humidity control[1]
S2	24-hour ventilation control[1]
S3	NightPurge control[1]
S4	Fan control based on CO^2 sensor[1]
S5	Rapid ventilation control at the start of operation[1]
S6	Humidifier drying operation[1]
S7	Suction humidity level setting[1]
S8	Suction humidity control setting[1]

*1: This function is not used in the Eco Compact wired remote controller, so it doesn't work.

(2) External Input / Output Setting
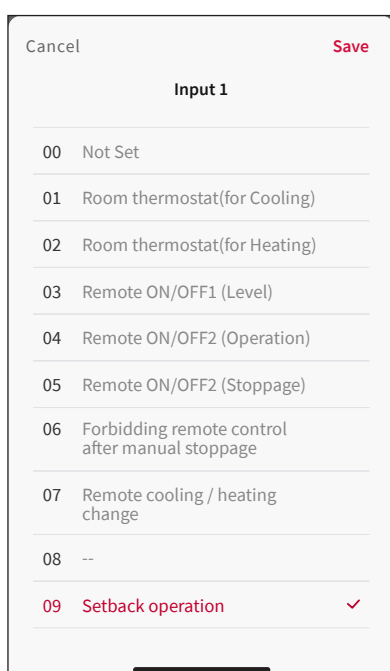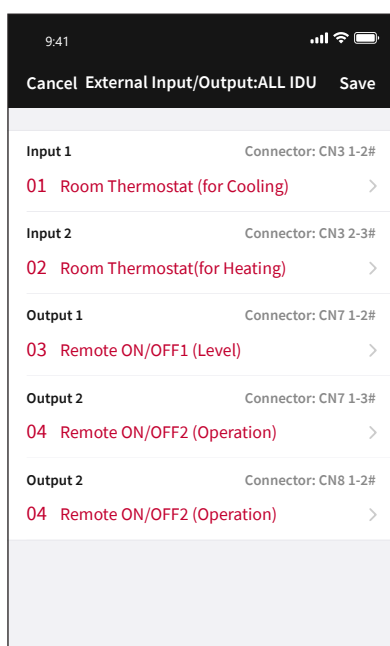
Tap "External Input/Output" to display the current settings in the External Input/Output list.

- Input 1
- Input 2
- Output 1
- Output 2
- Output 3

1. Select the item to be set and tap it.

2. Tap the desired option on each setting screen and make sure that the "✓" mark appears next to it.

3. After making a selection, tap "Save" to return to the external input/output setting list.
   Tap "Cancel" to discard the changes and return to the external input/output setting list.

4. Tap "Save" on the external input/output list screen. Tap "Cancel" to discard the changes and return to the Service and Installation screen.

   Tap "Cancel" to discard the settings and return to the previous screen.

NOTE:
- When multiple indoor units are connected, individual settings cannot be made.

(3) Contact Information

	Tap "Contact Information" to display the current settings on the Contact Information Setting screen.
⟨ Back — **Contact Information Setting** — **Done** XXXXXXXXXXX Max 30 characters Contact Information2 Max 30 characters	• Contact Information 1 • Contact Information 2 1. Tap the name area of the contact information to be set and enter the contact information. • 30 characters maximum, alphanumeric characters only. If anything other than alphanumeric characters are entered, the wired remote controller may not display them correctly. 2. After entering, tap "Done". 3. Tap "Back" in the upper left corner of the screen to discard the changes and return to the previous screen.

(4) Hotel Mode

	Tap "Hotel Mode" to display the Hotel Mode screen. The current setting will be marked with a "✓" mark.
Cancel — **Save** **Hotel Mode** Unavailable ✓ Available	1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service & Installation screen.

(5) Temperature Range Restriction
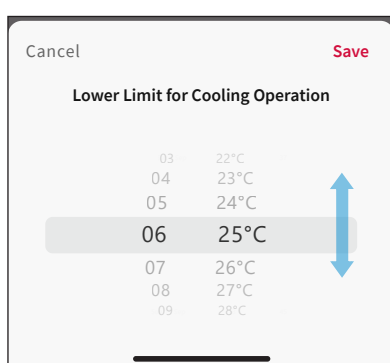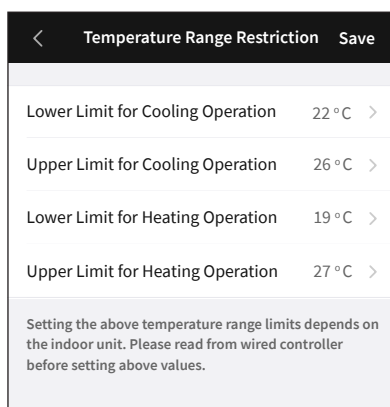
Temperature Range Restriction Save Lower Limit for Cooling Operation 22 °C > Upper Limit for Cooling Operation 26 °C > Lower Limit for Heating Operation 19 °C > Upper Limit for Heating Operation 27 °C > Setting the above temperature range limits depends on the indoor unit. Please read from wired controller before setting above values. Cancel Save **Lower Limit for Cooling Operation** 03 22°C 04 23°C 05 24°C 06 25°C 07 26°C 08 27°C 09 28°C	Tap "Temperature Range Restriction" to display the current setting in the Temperature Range Restriction list. 1. Select the item to be set and tap it. 2. The setting screen will appear. Swipe up and down the screen and select the desired value. 3. After making a selection, tap "Save" to return to the temperature range restriction list. Tap "Cancel" to discard the setting and return to the Temperature Range Restriction list. 4. Tap "Save" on the Temperature Range Restriction list screen. Tap "<" in the upper left corner of the screen to discard the setting and return to the Service and Installation screen. NOTE: • The lower limit temperature for cooling and heating must be set to a temperature lower than the upper limit temperature for cooling and heating.

(6) Dual Setpoint
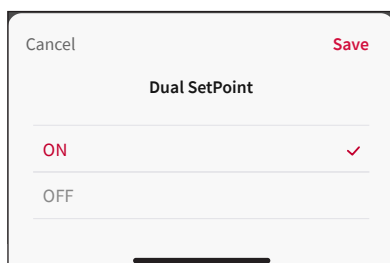
Cancel Save **Dual SetPoint** ON ✓ OFF	Tap "Dual Setpoint" to display the Dual Setpoint screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen.

(7) Main / Sub Display

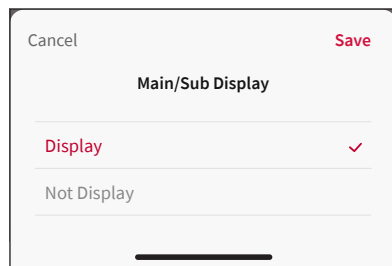|	
Cancel **Save** **Main/Sub Display** Display ✓ Not Display	Tap "Main/Sub Display" to display the Main/Sub Display screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen.

(8) Thermistor Selection

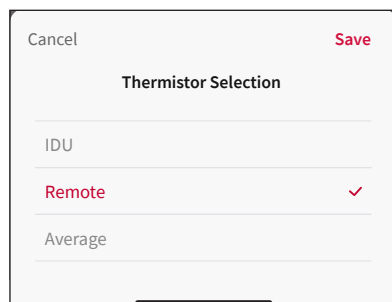|	
Cancel **Save** **Thermistor Selection** IDU Remote ✓ Average	Tap "Thermistor Selection" to display the Thermistor Selection screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen.

(9) Thermistor Calibration in Controller

Cancel **Save** **Temperature compensation** -0.5°C **0.0°C** 0.5°C	Tap "Thermistor Calibration in Controller" to display the Thermistor Calibration in Controller screen. The current setting will be selected. 1. Swipe up and down the screen and select the desired value. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen.

(10) Auto-Restart: auto Turn ON

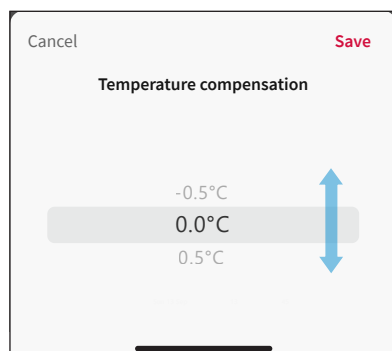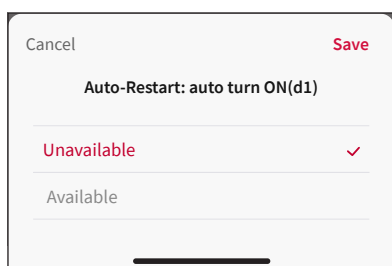|	
Cancel **Save** **Auto-Restart: auto turn ON(d1)** Unavailable ✓ Available	Tap "Auto-Restart: auto Turn ON" to display the Auto-Restart: auto Turn ON1 screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made.

(11) Auto-Restart: follow latest status from before outage
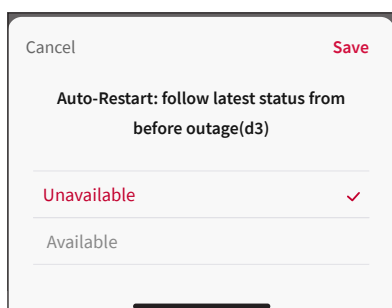
Cancel **Save** **Auto-Restart: follow latest status from before outage(d3)** Unavailable ✓ Available	Tap "Auto-Restart: follow latest status from before outage" to display the Auto-Restart: follow latest status from before outage screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made.

(12) High Fan Speed
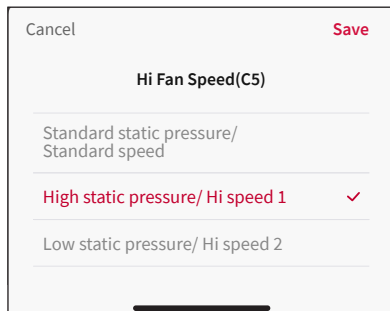
Cancel **Save** **Hi Fan Speed(C5)** Standard static pressure/ Standard speed High static pressure/ Hi speed 1 ✓ Low static pressure/ Hi speed 2	Tap "High Fan Speed" and the High Fan Speed screen will appear. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓ " mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made.

(13) Lock Function
    1.   Advanced Color Wired Remote Controller
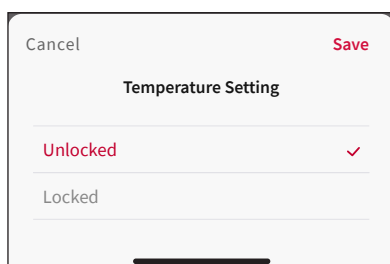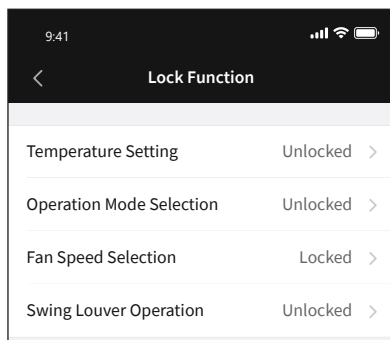
9:41 ▪️ll 🛜 🔋 ‹ **Lock Function** Temperature Setting Unlocked › Operation Mode Selection Unlocked › Fan Speed Selection Locked › Swing Louver Operation Unlocked › Cancel **Save** **Temperature Setting** Unlocked ✓ Locked	Tap "Lock Function" to display the current settings in the Lock Setting list. 1. Select the item to be set and tap it. 2. Tap the desired option on each setting screen and make sure that the "✓" mark appears next to it. 3. After making a selection, tap "Save" to return to the Lock Setting list. Tap "Cancel" to discard the setting and return to the Lock Setting list. 4. Tap "<" in the upper left corner of the screen to return to the Service and Installation screen.

2. Eco Compact Wired Remote Controller

Lock Setting ‹	Tap "Lock Function" to display the current setting in the Lock Setting screen.
Lock Setting Unlock All ›	
Operation lock/unlock can be set from this feature. The lock setting will be applicable only when the related function selection is set at "available".	1. Select the item to be set and tap it.
1) Operation Mode Selection (F8)	2. Tap the desired option on each setting screen and make sure that the "✓" mark appears next to it.
2) Temperature Setting (F9)	
3) Fan Speed Selection (FA)	3. After making a selection, tap "Save" to return to the Lock Setting screen. Tap "Cancel" to discard the setting and return to the Lock Setting screen.
4) Swing Louver Operation (Fb)	
	4. Tap "<" in the upper left corner of the screen to return to the Service & Installation screen.
Cancel **Save**	
Temperature Setting	
Unlocked ✓	
Locked	

(14) Fan Speed at Cooling Thermo-OFF

Cancel **Save** **Fan Speed at Cooling Thermo-OFF : All IDU** Unavailable LOW ✓ BREEZE	Tap "Fan Speed at Cooling Thermo-OFF" to display the Fan Speed at Cooling Thermo-OFF screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓ " mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made.

(15) Fan Speed at Heating Thermo-OFF

Cancel **Save** **Fan Speed at Heating Thermo-OFF : All IDU** Unavailable ✓ BREEZE	Tap "Fan Speed at Heating Thermo-OFF" to display the Fan Speed at Heating Thermo-OFF screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓ " mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen. NOTE: • When multiple indoor units are connected, individual settings cannot be made.

(16) Power Up

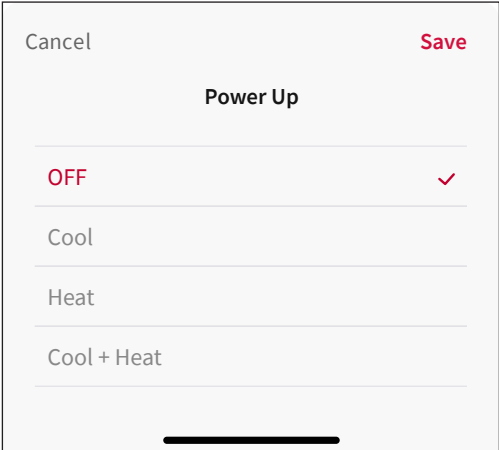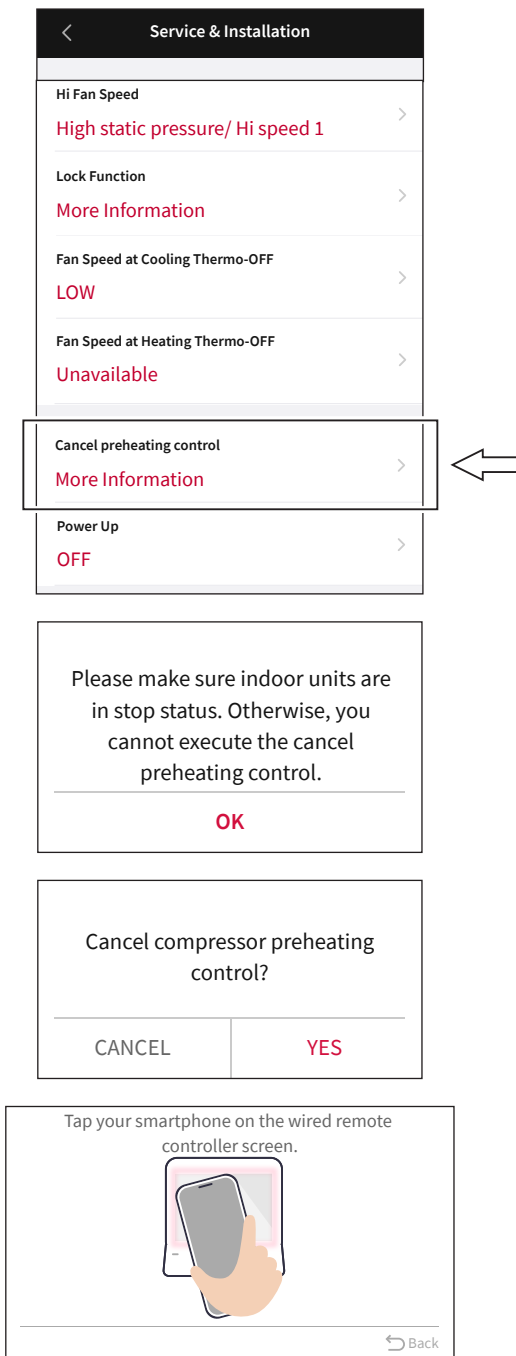|	
Cancel **Save** **Power Up** OFF ✓ Cool Heat Cool + Heat	Tap "Power Up" to open the Power Up Setting screen. The current setting will be marked with a "✓" mark. 1. Tap the desired option and make sure that the "✓" mark appears next to it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the Service and Installation screen.

5.4.5 Cancel Preheating Control

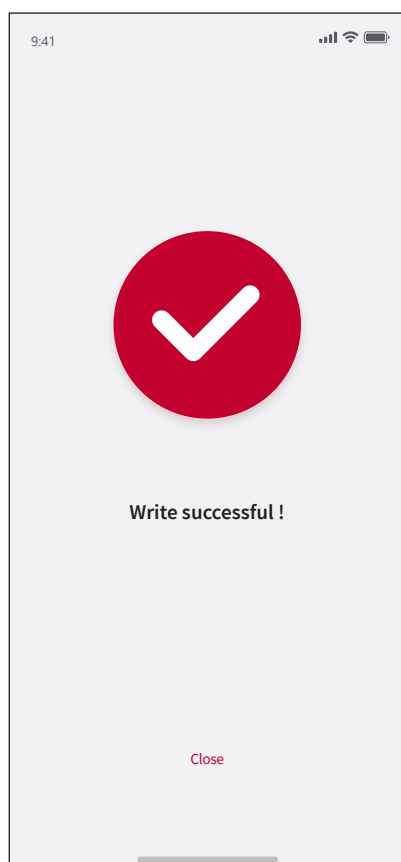|	
Service & Installation ⟨ **Hi Fan Speed** High static pressure/ Hi speed 1 › **Lock Function** More Information › **Fan Speed at Cooling Thermo-OFF** LOW › **Fan Speed at Heating Thermo-OFF** Unavailable › **Cancel preheating control** More Information › ⟸ **Power Up** OFF ›	1. Tap "Cancel Preheating Control" in the Service and Installation setting.
Please make sure indoor units are in stop status. Otherwise, you cannot execute the cancel preheating control. **OK**	2. Confirm the message contents and tap "OK". NOTE: • The Cancel Preheating Control cannot be carried out while the air conditioner is running. Please stop the AC before carrying it out.
Cancel compressor preheating control? CANCEL YES	3. Tap "YES". To cancel, tap "CANCEL".
Tap your smartphone on the wired remote controller screen. ⟵ Back	4. Display the NFC communication screen on the wired remote controller. • Refer to 5.2.2 Wired Remote Controller NFC Communication Screen (page 37).

To write settings, tap your phone to over wired remote controller

Ready to Scan

Tap your phone over the NFC area of
target device

Cancel
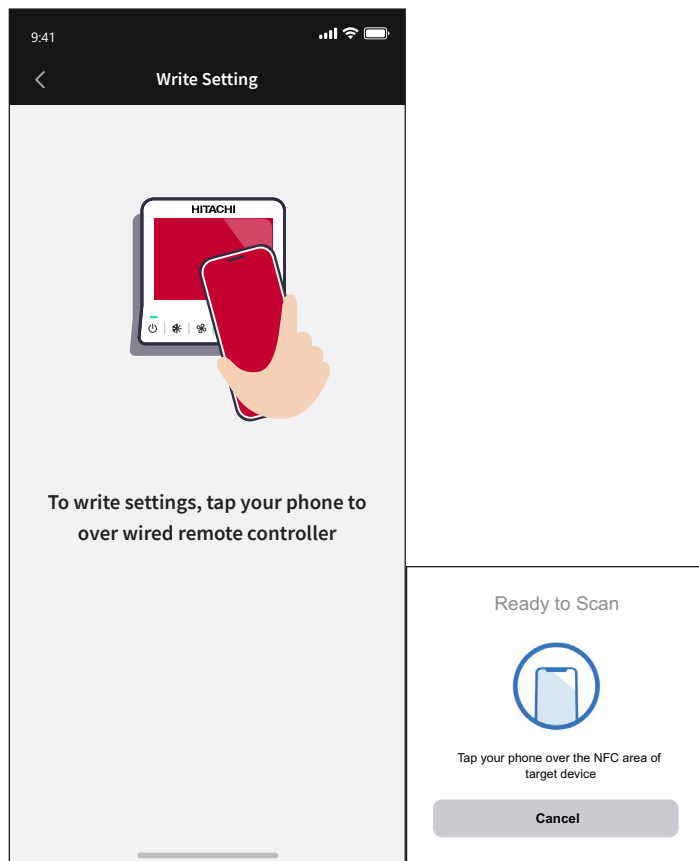
5. When the Write Setting screen appears,
   tap the smartphone over the wired
   remote controller LCD screen.
NOTES:
- Tap the smartphone over the wired
  remote controller LCD screen after the
  "Ready to Scan" message is displayed.
- Refer to 5.2 Advanced Color Wired
  Remote Controller (page 37)
  for details on where to hold the
  smartphone.

6. Tap the smartphone over the screen to
   start NFC communication.

NOTE:
- Be careful not to move the smartphone
  during communication.

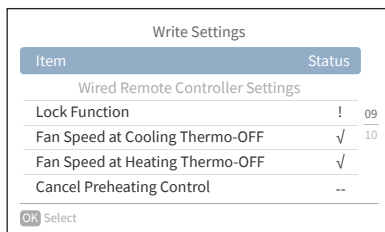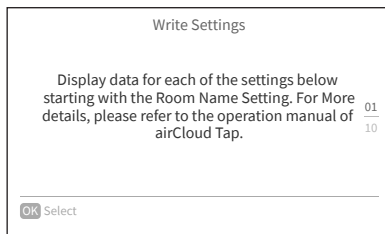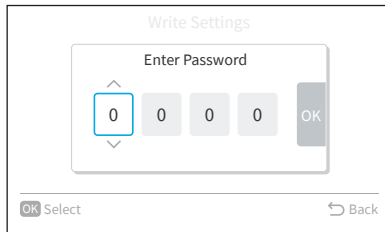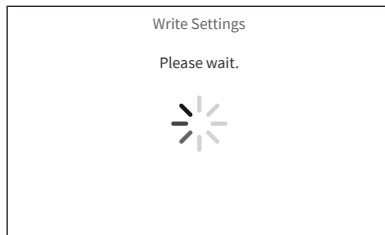**Write successful !**

Close

7. When the communication is completed
   successfully, "Write successful!" will be
   displayed.

8. Tap "Close".

- If the write failure message is displayed,
  follow the instructions in the message.
NOTE:
- If the failure message is displayed
  repeatedly, please refer to 7.
  Troubleshooting (page 101).

|	
Write Settings Please wait.	9. Check the wired remote controller screen.
Write Settings Enter Password ⌃ 0 0 0 0 OK ⌄ OK Select ↩ Back	10. Enter the Service and Installation password on the wired remote controller screen. • This step can be skipped by registering the Service and Installation password to the Wired Remote Controller Password in the side menu in advance. Refer to 6.3 Enter the Wired Remote Controller Password (page 97).
Write Settings Display data for each of the settings below starting with the Room Name Setting. For More details, please refer to the operation manual of airCloud Tap. 01 10 OK Select	
Press "⌄"	
Write Settings Item Status Wired Remote Controller Settings Lock Function ! 09 Fan Speed at Cooling Thermo-OFF √ 10 Fan Speed at Heating Thermo-OFF √ Cancel Preheating Control -- OK Select	11. Confirm that "√" is marked on "Cancel Preheating Control" displayed on the wired remote controller screen, and press the "OK" button. • If "!" or "--" is displayed, the cancel preheating control will not be carried out.

Write Settings

Write the settings. OK to continue?

Yes   Cancel

OK Select   Back
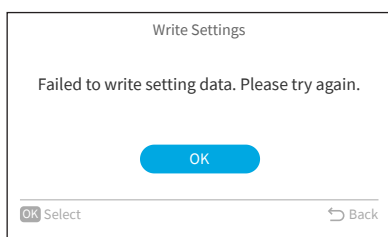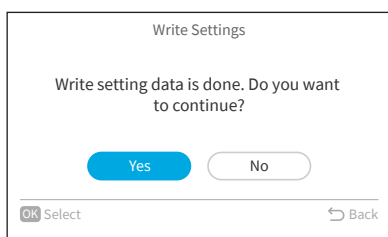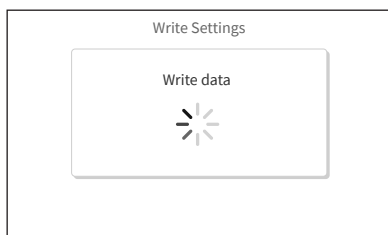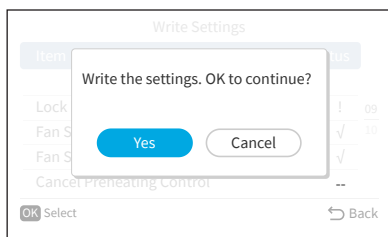
12. Select "Yes" on the wired remote controller screen, and press the "OK" button.
To cancel the cancel preheating control, select "No" and press the "OK" button.

Write Settings

Write data

13. "Write data" will be displayed on the wired remote controller screen. Please wait for a moment.

Write Settings

Write setting data is done. Do you want to continue?

Yes   No

OK Select   Back

14. When the cancel preheating control is carried out, the screen shown at left is displayed on the wired remote controller. Select "Yes" to continue the operation, or "No" to finish the operation, and press the "OK" button.

NOTE:
• If the cancel preheating control fails, check the status of the air conditioner and try again.

Write Settings

Failed to write setting data. Please try again.

OK

OK Select   Back

5.4.6 Test Run
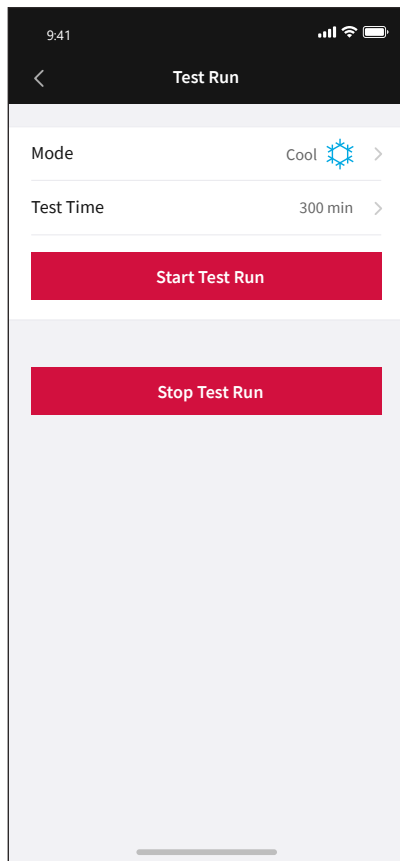
|	
9:41 ‹ **Test Run** Mode Cool ❄ › Test Time 300 min › **Start Test Run** **Stop Test Run**	NOTE: • The test run cannot be carried out while the air conditioner is running. Please stop the air conditioner before carrying it out. 1. Tap "Test Run" from the home screen to display the Test Run screen. 2. Tap the item to be set and change the setting on the edit screen that appears. • Mode • Test Time 3. Display the NFC communication screen on the wired remote controller. • Refer to 5.2.2 Wired Remote Controller NFC Communication Screen (page 37). 4. If the "Start Test Run" communication is successful, the test run will start. 5. If the "Stop Test Run" communication is successful, the test run will stop.

(1) Mode
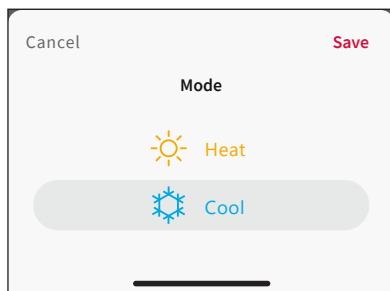
Cancel **Save** **Mode** ☀ Heat ❄ Cool	The current setting will be selected. 1. Tap the item to be set and select it. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the previous screen.

(2) Test Time
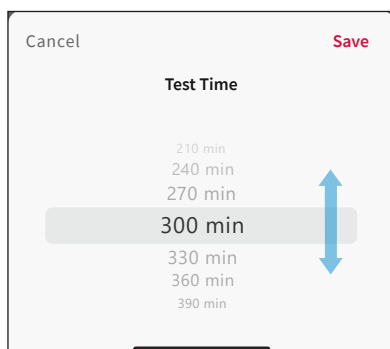
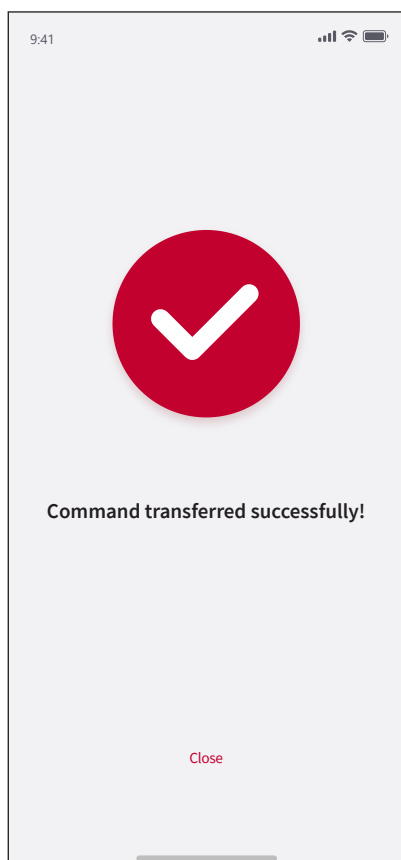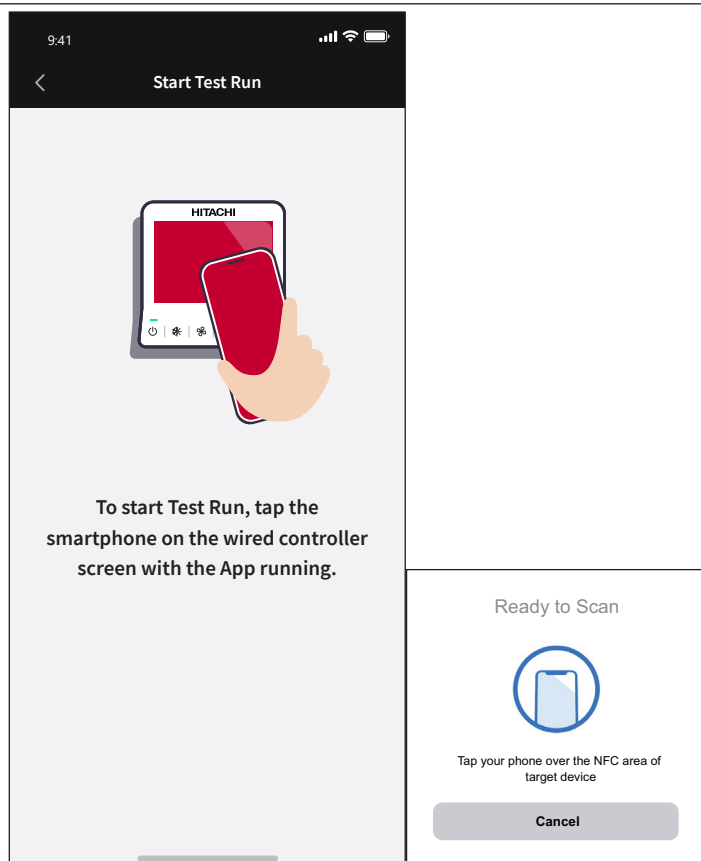|	
Cancel **Save** **Test Time** 210 min 240 min 270 min **300 min** 330 min 360 min 390 min	The current setting will be selected. 1. Swipe up and down the screen and select the desired value. 2. After making a selection, tap "Save". Tap "Cancel" to discard the changes and return to the previous screen.

(3) Start Test Run

To start Test Run, tap the smartphone on the wired controller screen with the App running.

Ready to Scan

Tap your phone over the NFC area of target device

Cancel

Command transferred successfully!

Close

Tap the "Start Test Run" button on the Test Run screen to display the Start Test Run screen.

1. When the Start Test Run screen appears, tap the smartphone over the wired remote controller LCD screen.
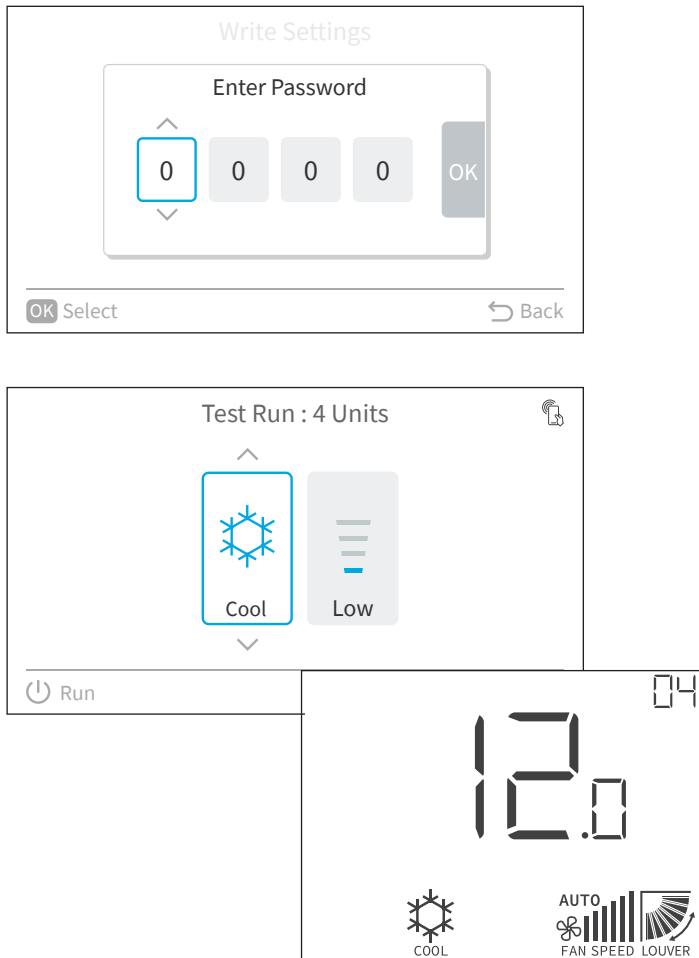NOTE:

- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To write the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.

- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

2. Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

3. When the communication is completed successfully, "Command transferred successfully!" will be displayed.

4. Tap "Close".
   If the Communication failed message is displayed, follow the instructions in the message.

NOTE:

- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

Write Settings

Enter Password

| 0 | 0 | 0 | 0 | OK |

OK Select   ↩ Back

Test Run : 4 Units

Cool   Low

⏻ Run

12.0   04

COOL   AUTO
            FAN SPEED LOUVER

5. Check the wired remote controller screen.
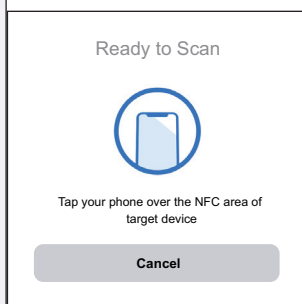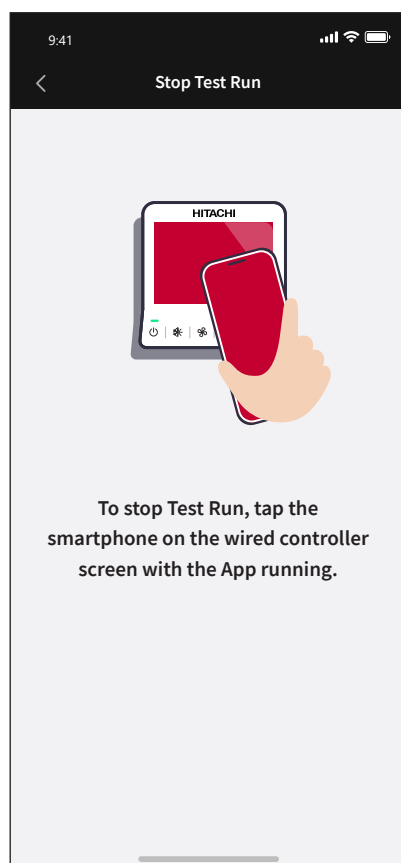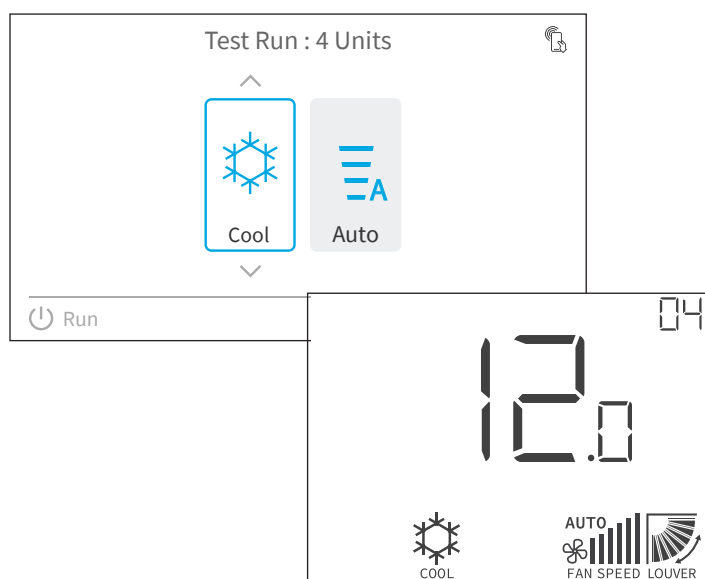
6. Enter the Service and Installation password on the wired remote controller screen.
   - This step can be skipped by registering the Service and Installation password to the Wired Remote Controller Password in the side menu in advance. Refer to 6.3 Enter the Wired Remote Controller Password (page 97).

7. Confirm that the test run has been started on the wired remote controller screen.

(4) Stop Test Run

Test Run : 4 Units

Cool   Auto

Run

04

12.0

COOL

AUTO
FAN SPEED   LOUVER

9:41

Stop Test Run

HITACHI

To stop Test Run, tap the
smartphone on the wired controller
screen with the App running.

Ready to Scan

Tap your phone over the NFC area of
target device

Cancel

1. Confirm that the test run execution
   screen is displayed on the wired remote
   controller.

- Stop Test Run can be only be carried
  out from the Test Run screen displayed
  on the wired remote controller when it
  is performed from this app.
- Stop Test Run cannot be carried out
  when the AC is stopped. Please confirm
  that the AC is carrying out the test run
  before executing it.

2. Tap "Stop Test Run" button on the Test
   Run screen to display the Stop Test Run
   screen.

3. When the Stop Test Run screen appears,
   tap the smartphone over the wired
   remote controller LCD screen.
NOTE:
- Tap the smartphone over the wired
  remote controller LCD screen after the
  "Ready to Scan" message is displayed.
- Refer to 5.2 Advanced Color Wired
  Remote Controller (page 37)
  for details on where to hold the
  smartphone.

4. Tap the smartphone over the screen to
   start NFC communication.

- Be careful not to move the smartphone
  during communication.

9:41

Command transferred successfully!

Close

Tap your smartphone on the wired remote controller screen.

5. When the communication is completed successfully, "Command transferred successfully!" will be displayed.

6. Tap "Close".

If the communication failure message is displayed, follow the instructions in the message.
• If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).
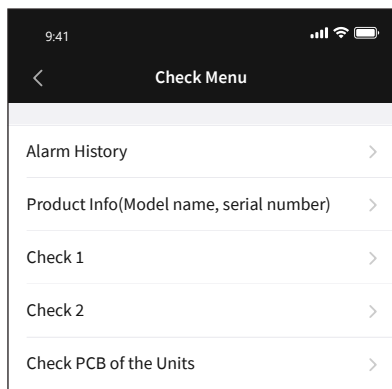
7. Confirm that the NFC communication screen appears on the wired remote controller screen and the test run is completed.

5.4.7 Check

9:41 .ıll 🔷 ▭ ‹ **Check Menu** Alarm History › Product Info(Model name, serial number) › Check 1 › Check 2 › Check PCB of the Units ›	Tap "Check Menu" on the home screen to display the Check Menu. Tap the item to be checked to collect the check data from the wired remote controller. (1) Alarm History (2) Product Info (Model Name, Serial number) (3) Check 1, Check 2 (4) Check PCB of the Units[*1] *1: This item is displayed only on the Advanced Color wired remote controller.

(1) Alarm History
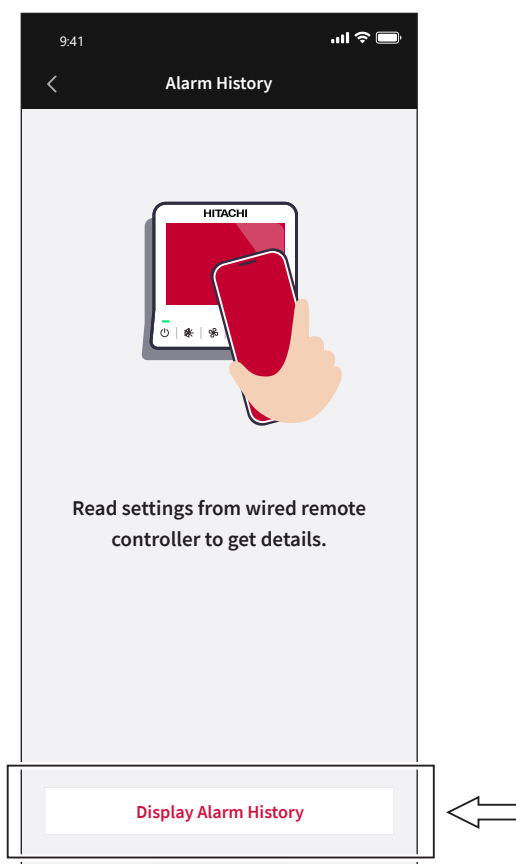
9:41 .ıll 🔷 ▭ ‹ **Alarm History** HITACHI **Read settings from wired remote controller to get details.** **Display Alarm History**	Tap "Alarm History" to display the Alarm History screen. 1. Tap "Display Alarm History". • If the alarm history has already been collected, the previously collected alarm history will be displayed.

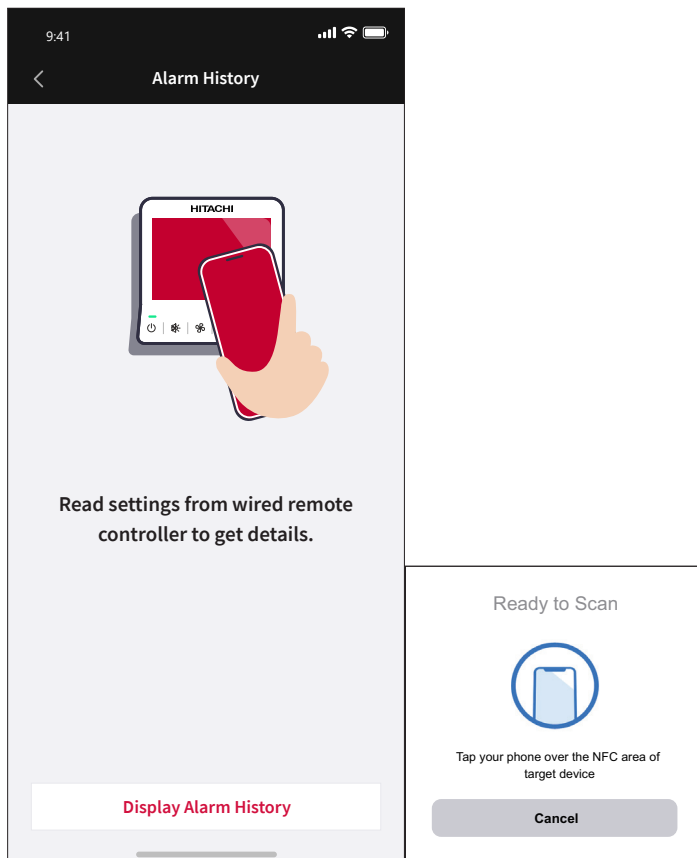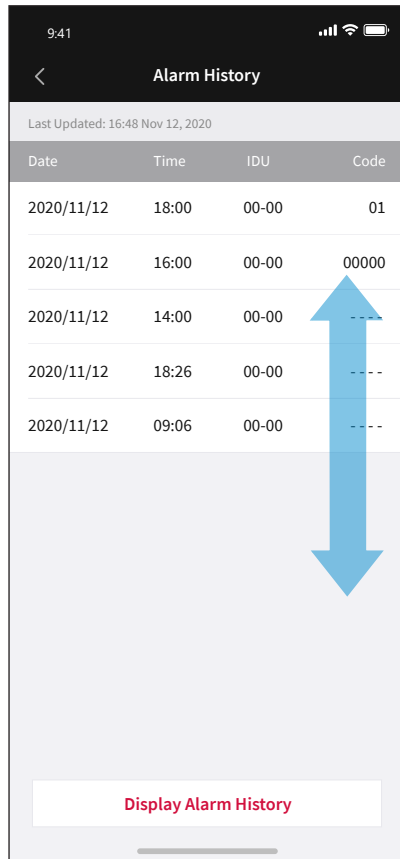| Date	Time	IDU	Code
2020/11/12	18:00	00-00	01
2020/11/12	16:00	00-00	00000
2020/11/12	14:00	00-00	- - - -
2020/11/12	18:26	00-00	- - - -
2020/11/12	09:06	00-00	- - - -

Last Updated: 16:48 Nov 12, 2020

Display Alarm History

Alarm History

Read settings from wired remote controller to get details.

Display Alarm History

Ready to Scan

Tap your phone over the NFC area of target device

Cancel

2. When the tap screen appears, tap the smartphone over the wired remote controller LCD screen.

NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.
- Refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on where to hold the smartphone.
- The designated screen must be displayed in advance. Refer to 5.2.2 Wired Remote Controller NFC Communication Screen (page 37) for details.

3. Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

9:41			
		.ıll 🛜 🔋	

Read successfully !

Close

4. When the communication is completed successfully, "Read successfully" will be displayed.

5. Tap "Close".

- If the read failure message is displayed, try to read the settings again.

NOTE:

- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

9:41			.ıll 🛜 🔋
‹	**Alarm History**		

Last Updated: 16:48 Nov 12, 2020

Date	Time	IDU	Code
2020/11/12	18:00	00-00	01
2020/11/12	16:00	00-00	00000
2020/11/12	14:00	00-00	- - - -
2020/11/12	18:26	00-00	- - - -
2020/11/12	09:06	00-00	- - - -

Display Alarm History

6. The alarm history will be displayed.

Up to 30 alarm histories will be displayed.

(2) Product Info
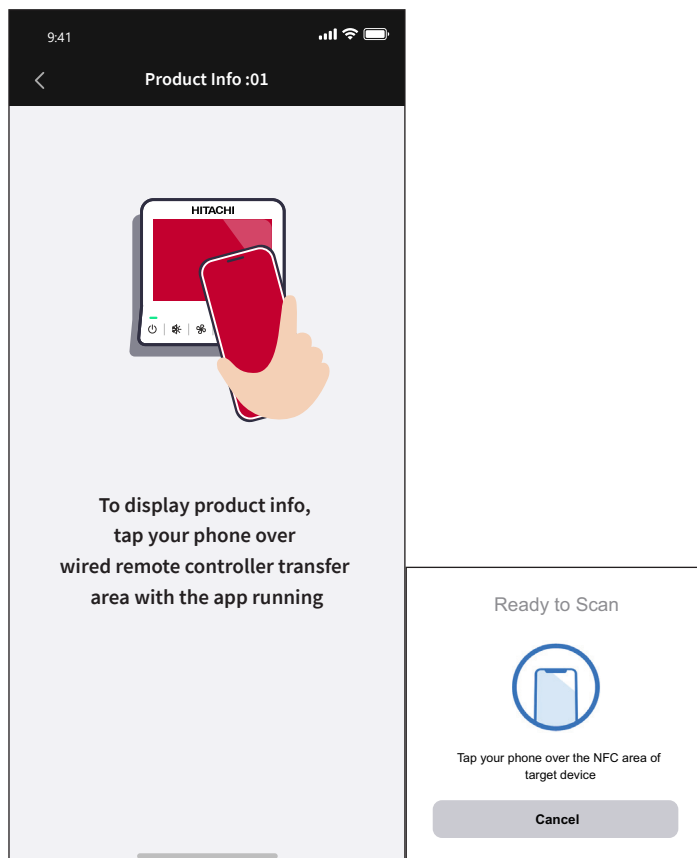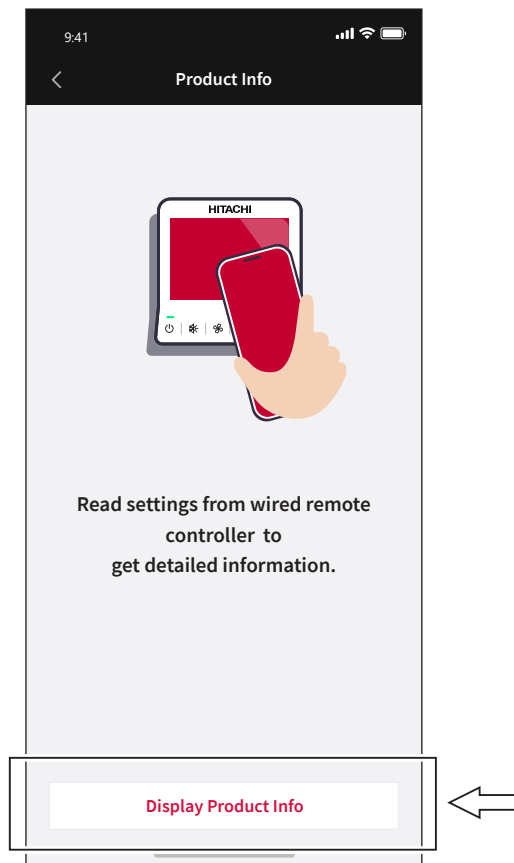
Tap "Product Info" to display the Product Info screen.

1. Tap "Display Product Info".

- If product information has already been collected, the previously collected product information will be displayed.

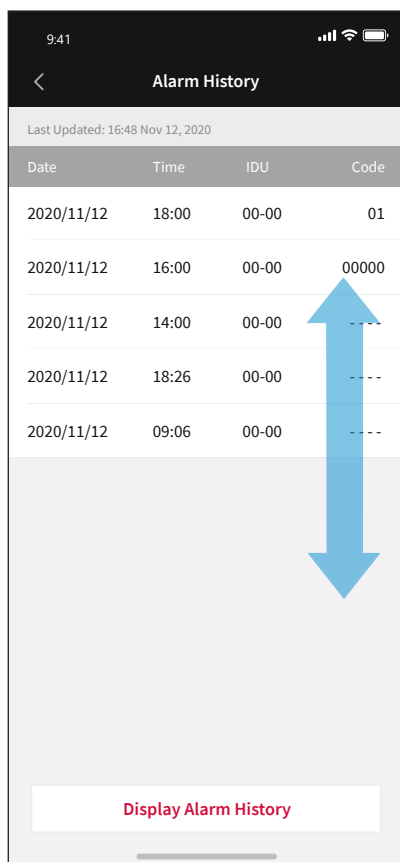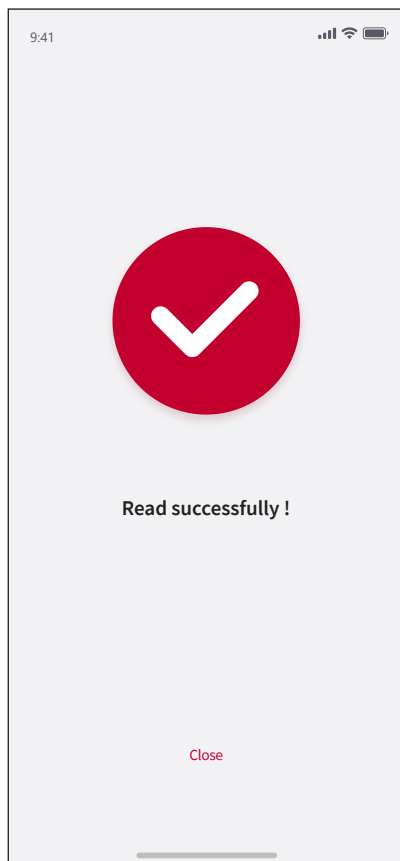2. When the tap screen appears, tap the smartphone over the wired remote controller LCD screen.

NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To read the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.
- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

3. Tap the smartphone over the screen to start NFC communication.
- Be careful not to move the smartphone during communication.

4. When the communication is completed successfully, "Read successful!" will be displayed.

5. Tap "Close".

- If the read failure message is displayed, try to read the settings again.

NOTE:
- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

6. When the collection is successful, the list of collected indoor unit numbers is displayed on the Product Info screen.

9:41 ‹ **Product Info : 00** **IDU Refrigerant Group - Unit No. :** 00-00 **ODU Model Code:** F.02 **IDU Model Name:** —————————— **IDU S/N:** 000000 **ODU Model Name:** RAS - AP160HN2 **ODU S/N:** 000502 **Display Product Info**	7. Tap the indoor unit number to display the model name, model code, serial number, IDU Refrigerant Group - Unit No. will be displayed. Tap "<" in the upper left corner of the screen to return to the previous screen.
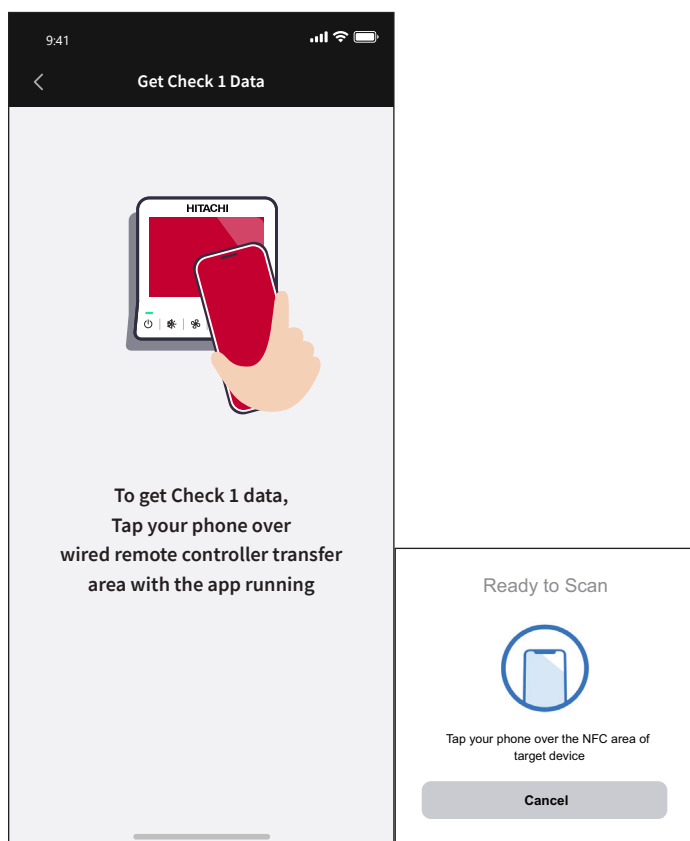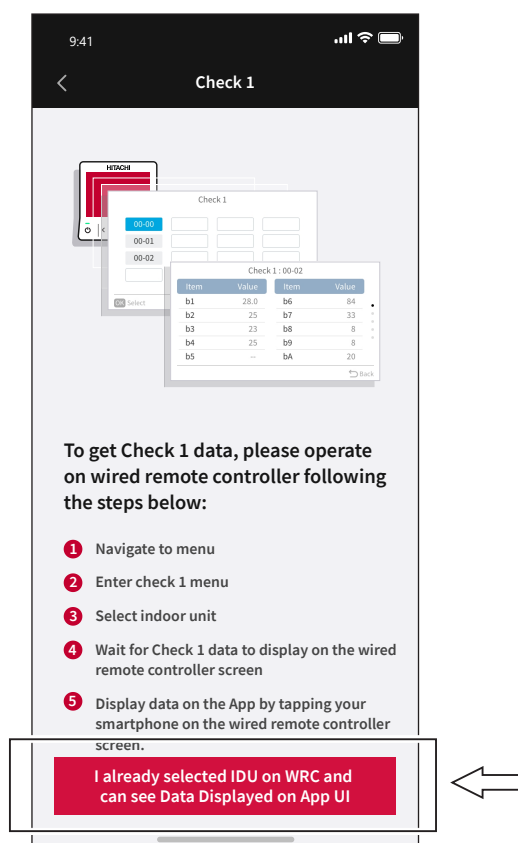
(3) Check 1, Check 2

Tap "Check 1" or "Check 2" to display the Check 1 or Check 2 screen.

1. Tap "I already selected IDU on WRC and can see Data Displayed on App UI".

- If Check 1 or Check 2 data has already been collected, the previously collected Check 1 data or Check 2 data will be displayed.

2. When the tap screen appears, tap the smartphone over the wired remote controller LCD screen.
NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

To read the settings, display the designated screen on the wired remote controller and tap the smartphone over the screen in advance.
- For the Advanced Color wired remote controller, refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on how to display the designated screen and where to hold the smartphone.
- For the Eco Compact wired remote controller, refer to 5.3 Eco Compact Wired Remote Controller (page 43) for details on how to display the designated screen and where to hold the smartphone.

3. Tap the smartphone over the screen to start NFC communication.

- Be careful not to move the smartphone during communication.

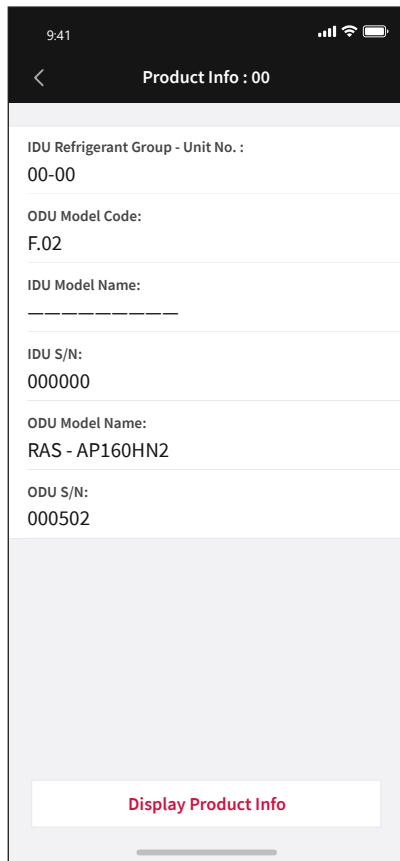4. When the communication is completed successfully, "Read successful" will be displayed.

5. Tap "Close".

- If the read failure message is displayed, try to read the settings again.

NOTE:
- If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

6. Check 1 data or Check 2 data will be displayed.

- Tap "Display Check 1 Data" or "Display Check 2 Data" to collect check data again.

(4) Check PCB of the Units
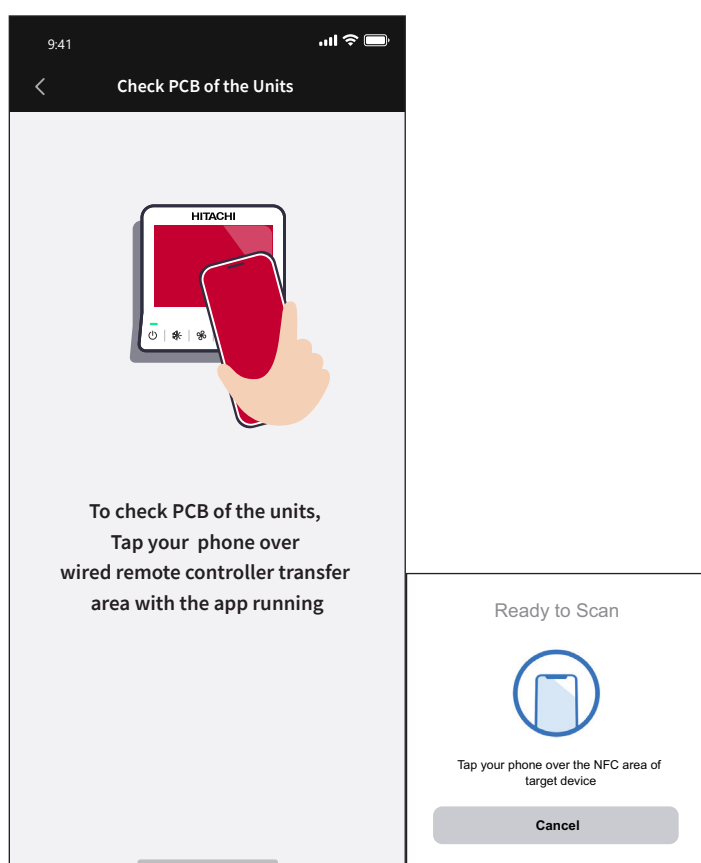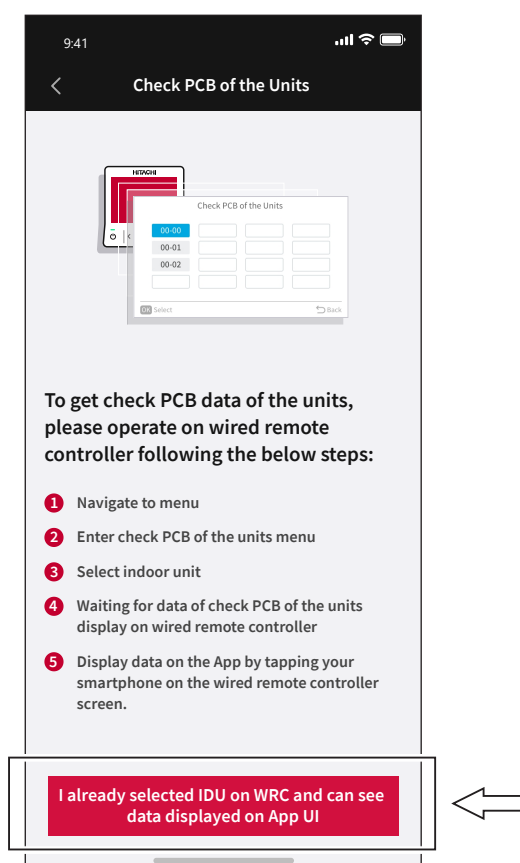
Tap "Check PCB of the Units" to display the Check PCB of the Units screen.

1. Tap "I already selected IDU on WRC and can see data displayed on App UI".

- If Check PCB of the Units data has already been collected, the previously collected Check PCB of the Units data will be displayed.
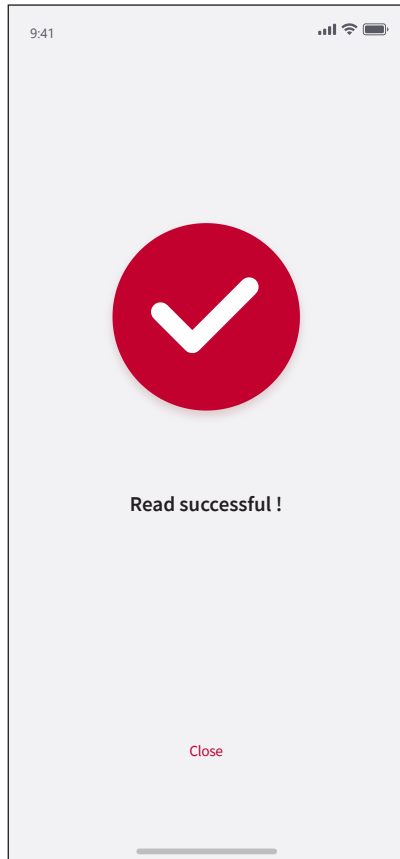
2. When the tap screen appears, tap the smartphone over the wired remote controller LCD screen.

NOTE:
- Tap the smartphone over the wired remote controller LCD screen after the "Ready to Scan" message is displayed.

- Refer to 5.2 Advanced Color Wired Remote Controller (page 37) for details on where to hold the smartphone.
- The wired remote controller LCD screen must display the Check PCB of the Units screen in advance. Refer to 5.2.2 Wired Remote Controller NFC Communication Screen (page 37) for details.

9:41

Read successful !

Close

3. Tap the smartphone over the screen to start NFC communication.
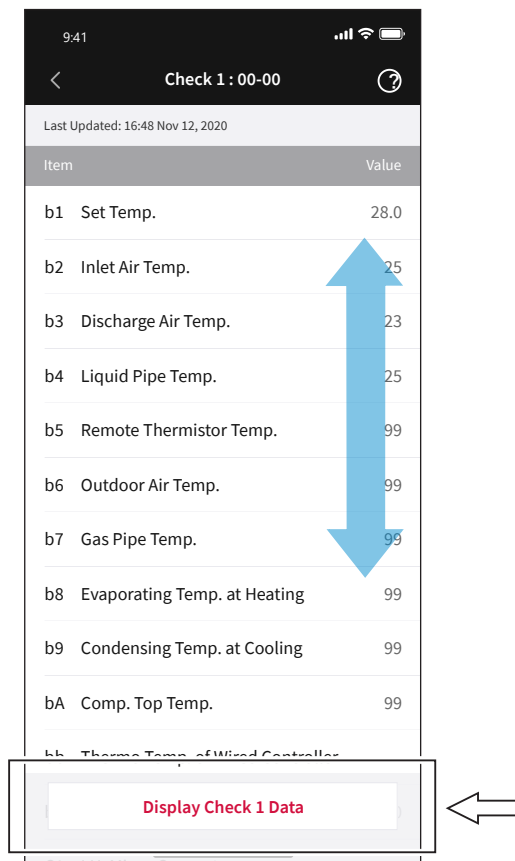• Be careful not to move the smartphone during communication.

4. When the communication is completed successfully, "Read successful!" will be displayed.

5. Tap "Close".

• If the read failure message is displayed, try to read the settings again.

NOTE:
• If the failure message is displayed repeatedly, please refer to 7. Troubleshooting (page 101).

9:41

< **PCB of the Units : 00-01** ⑦

Last Updated: 16:48 Nov 12, 2020

Check 1	00
Check 2	00
Check 3	00

Display PCB of the Units

6. The result of the Check PCB of the Units is displayed.

• To collect the results again, tap "Display PCB of the Units".

6. Side Menu Settings

John Doe
johndoe@gmail.com
Authorized Service

🌐 Language Selection

▦ Wired Remote Controller Password

⊞ Display Unit

▯ App Versions
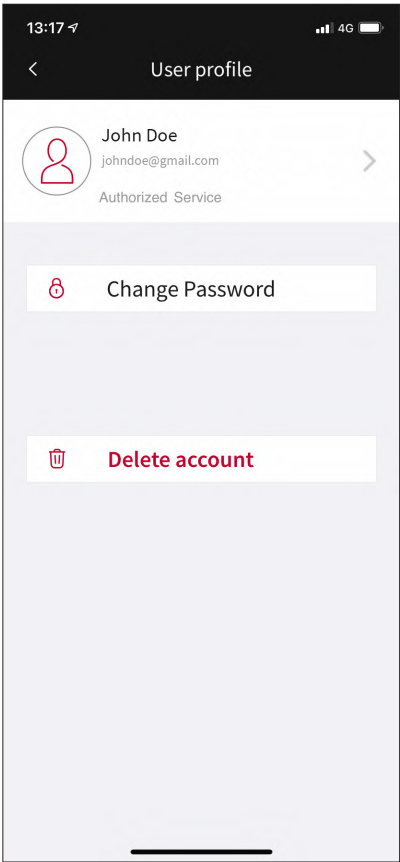
📄 Terms and Conditions

📄 Privacy Notice
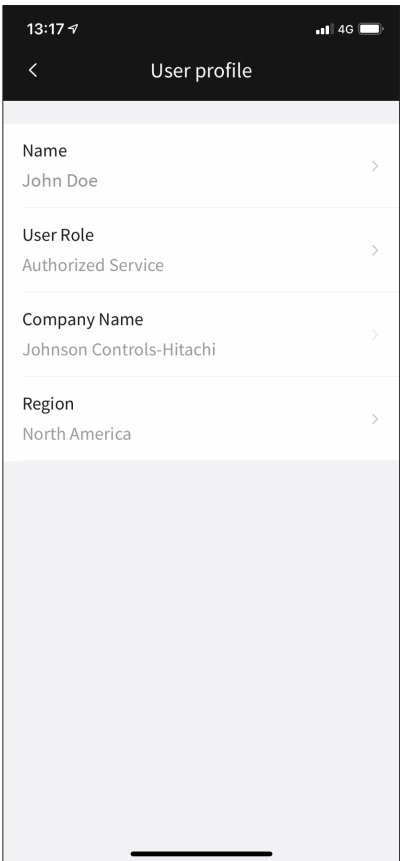
⇦ Logout

Side Menu Settings	Sets registered user information
User Registration Settings	Change user profile, email address, password change, etc.
Language Selection	Change the apps displayed language.
Wired Remote Controller Password	Pre-set the password for Service and Installation that needs to be entered on the wired remote controller.
Display Unit	Change the temperature and other units displayed in the app.
Version	Check the apps version.
Terms and Conditions	Check the agreed to Terms and Conditions when first using the app.
Privacy Notice	Check the agreed to Privacy Notice when first using the app.
Logout	Logout of the app.

6.1 Change User profile

<table>
<tr>
<td>

13:17 ⬈ ⭤⭤ 4G 🔋

<   **User profile**

👤 **John Doe**
johndoe@gmail.com
Authorized Service   ›

🔓   **Change Password**

🗑   **Delete account**

</td>
<td>

Tap the User Registration Settings on the side menu screen to display the User Profile screen.

Tap the item to be changed.

- User Registration Information
- Change Password
- Delete account

</td>
</tr>
</table>
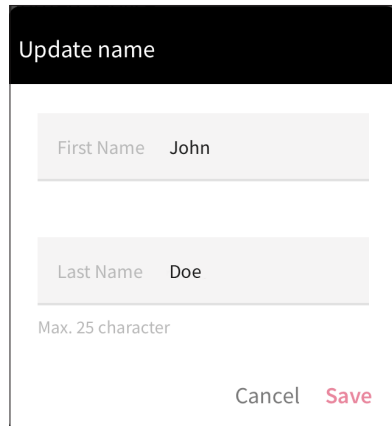
6.1.1 Update User Registration Information

<table>
<tr>
<td>

13:17 ⬈ ⭤⭤ 4G 🔋

<   **User profile**

Name
John Doe   ›

User Role
Authorized Service   ›

Company Name
Johnson Controls-Hitachi   ›

Region
North America   ›

</td>
<td>

On the "User Profile" screen, tap User Registration Information to display a list of the user's registered information.

Tap the item to be changed.

(1) Name
(2) User Role
(3) Company Name
(4) Region

</td>
</tr>
</table>

(1) Name
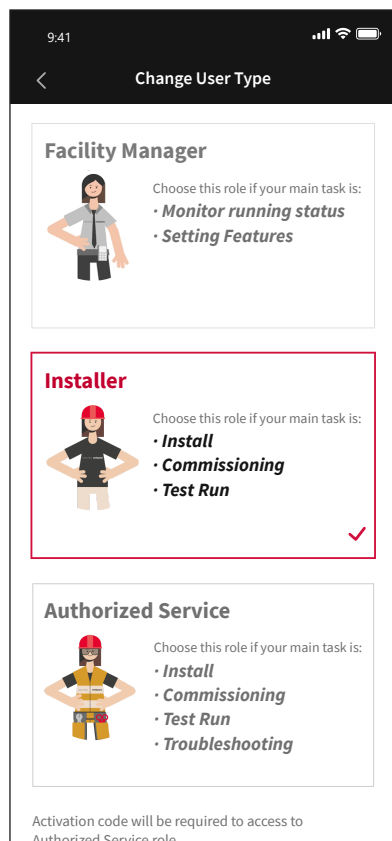
Update name First Name John Last Name Doe Max. 25 character Cancel **Save**	Tap "Name" from the User Profile list to change the registered name. 1. Enter the name. 2. Tap "Save" to confirm the registration. Tap "Cancel" to not change the name and return to the previous screen.

(2) User Role

9:41
Change User Type
 	
Facility Manager
Choose this role if your main task is:
· *Monitor running status*
· *Setting Features*
 	
Installer
Choose this role if your main task is:
· *Install*
· *Commissioning*
· *Test Run*
✓
 	
Authorized Service
Choose this role if your main task is:
· *Install*
· *Commissioning*
· *Test Run*
· *Troubleshooting*
 	
Activation code will be required to access to Authorized Service role.
	Tap "User Role" from the User Profile list to change the user role.
	
	Select the user role and tap "Next".
	
	User Role
	● Facility Manager
	● Installer
	   Professional knowledge is required for installation and maintenance of air conditioners.
	   Incorrect settings or operation may cause the air conditioner to fail to operate properly.
	   Please be aware of the above and select this user type at your own risk.
	● Authorized Service
	   Activation code is required for this role.
	   Please contact with JCH service person to get the access.
	
	Tap "<" in the upper left corner of the screen to return to the previous screen.

6.1.2 Change Password
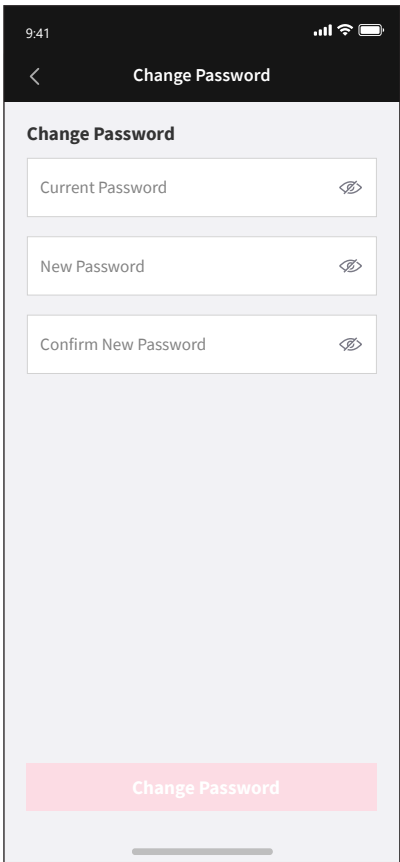
	Tap "Change Password" from the User Profile screen to change the current password.
9:41 ...ll 📶 🔋 ‹ **Change Password** **Change Password** Current Password 🚫 New Password 🚫 Confirm New Password 🚫 Change Password	1. Enter the current password in the "Current Password" field. 2. Enter the new password in the "New Password" and "Confirm New Password" fields. • The password should be a combination of uppercase letters, lowercase letters and symbols, and should be between 8 and 16 characters. 3. Tap the Change Password button. • Tap the "<" button in the upper left corner of the screen to not change the password and return to the previous screen.

6.1.3 Delete Account
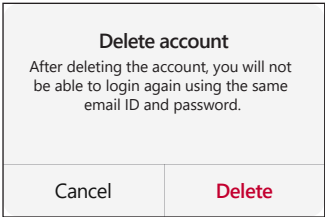
	Tap "Delete account" from the User Profile screen to display the delete account confirmation screen.
Delete account After deleting the account, you will not be able to login again using the same email ID and password. Cancel | **Delete**	Tap "Delete account" from the User Profile screen to display the delete account confirmation screen. Tap "Delete" to delete the account. Tap "Cancel" to not delete the account and return to the previous screen. • Deleting an account will delete all user information in the cloud.

6.2 Change App Language Display
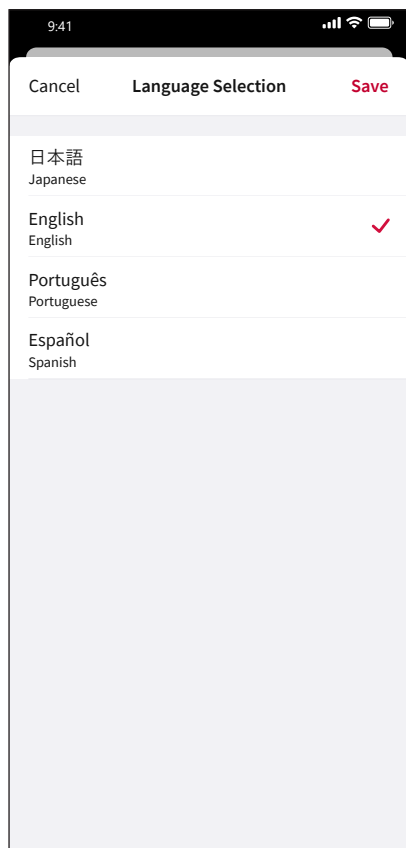
9:41 �.ıll 🤚 ▭ Cancel **Language Selection** **Save** 日本語 Japanese English ✓ English Português Portuguese Español Spanish	Tap "Language Selection" on the side menu screen to display a list of languages that can be displayed in the app. 1. Tap the desired language. • Japanese • English • Portuguese • Spanish 2. Confirm that the language has been selected, and tap "Save". • Tap "Cancel" to not change the language and return to the previous screen.

6.3 Enter the Wired Remote Controller Password

By registering the Service and Installation password for the wired remote controller in advance on this screen, entering the Service and Installation password, which is displayed on the wired remote controller screen during test operation or when setting from the app, can be omitted. This screen is only displayed when the wired remote controller is selected in the target device.
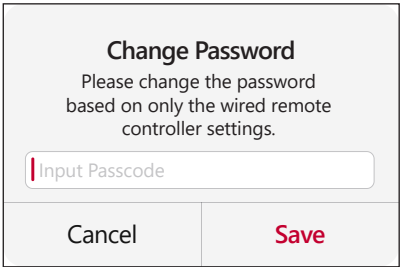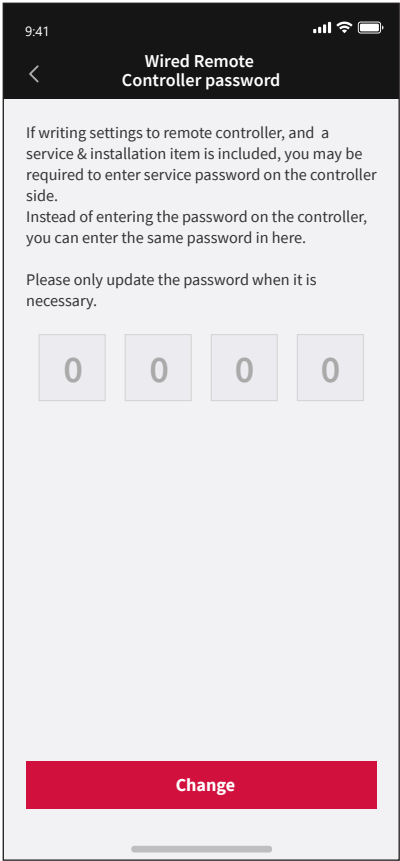
Tap "Wired Remote Controller Password" on the side menu screen to display the wired remote controller password currently registered in the app.

1. Tap "Change" to change the wired remote controller password.

2. Enter the 4-digit Service and Installation password for the wired remote controller (for setup and test run), and tap "Save".
- Tap "Cancel" to not change the wired remote controller password and return to the previous screen.

6.4 Change App Display Unit

The display units for temperature, pressure, etc. to be displayed in the app can be changed from this screen.
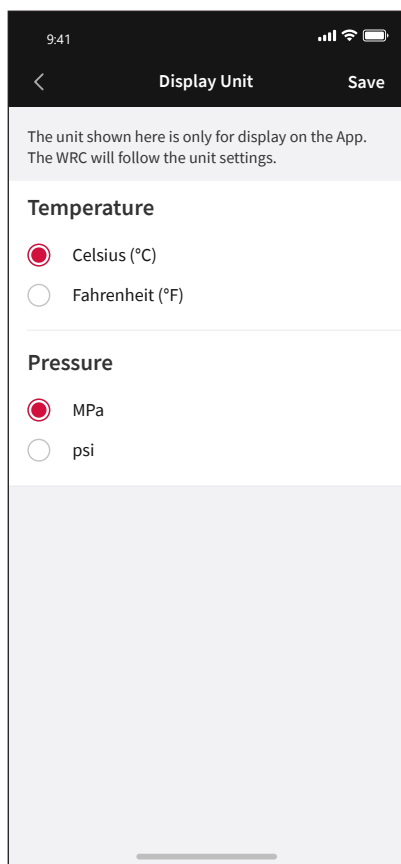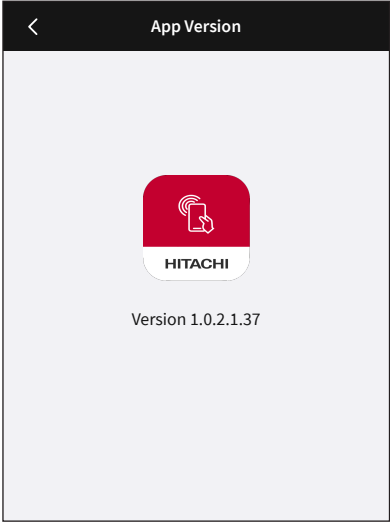
9:41 ‹ **Display Unit** Save The unit shown here is only for display on the App. The WRC will follow the unit settings. **Temperature** ⦿ Celsius (°C) ○ Fahrenheit (°F) **Pressure** ⦿ MPa ○ psi	Tap "Display Unit" on the side menu screen to display the units that the app is currently using. 1. Select the unit to be displayed in the app and tap "Save". Tap "<" in the upper left corner of the screen to discard the changes and return to the previous screen.
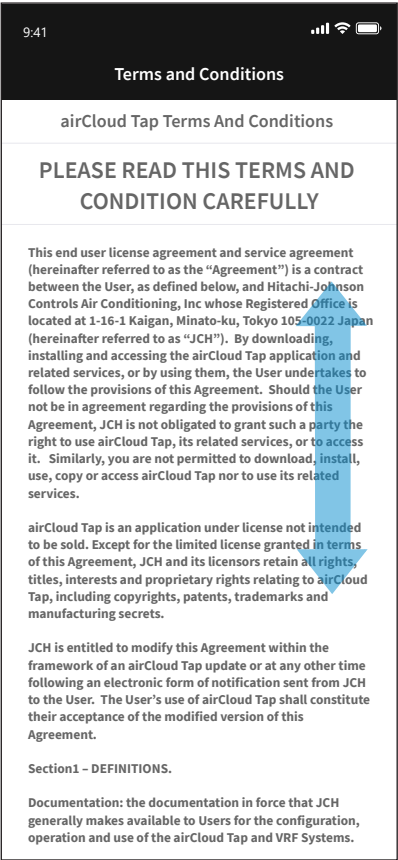
6.5 Check the App Version

The current version of the app can be checked from this screen.

App Version HITACHI Version 1.0.2.1.37	Tap "App Version" on the side menu screen to display the version of this app.

6.6 Terms and Conditions

The Terms and Conditions agreed to upon first use of this app can be checked from this screen.

9:41 **Terms and Conditions** airCloud Tap Terms And Conditions **PLEASE READ THIS TERMS AND CONDITION CAREFULLY** This end user license agreement and service agreement (hereinafter referred to as the "Agreement") is a contract between the User, as defined below, and Hitachi-Johnson Controls Air Conditioning, Inc whose Registered Office is located at 1-16-1 Kaigan, Minato-ku, Tokyo 105-0022 Japan (hereinafter referred to as "JCH"). By downloading, installing and accessing the airCloud Tap application and related services, or by using them, the User undertakes to follow the provisions of this Agreement. Should the User not be in agreement regarding the provisions of this Agreement, JCH is not obligated to grant such a party the right to use airCloud Tap, its related services, or to access it. Similarly, you are not permitted to download, install, use, copy or access airCloud Tap nor to use its related services. airCloud Tap is an application under license not intended to be sold. Except for the limited license granted in terms of this Agreement, JCH and its licensors retain all rights, titles, interests and proprietary rights relating to airCloud Tap, including copyrights, patents, trademarks and manufacturing secrets. JCH is entitled to modify this Agreement within the framework of an airCloud Tap update or at any other time following an electronic form of notification sent from JCH to the User. The User's use of airCloud Tap shall constitute their acceptance of the modified version of this Agreement. Section1 – DEFINITIONS. Documentation: the documentation in force that JCH generally makes available to Users for the configuration, operation and use of the airCloud Tap and VRF Systems.	Tap "Terms of Conditions" on the side menu screen to display the terms of conditions for this app.

6.7 Check the Privacy Notice

The Privacy Notice agreed to upon first use of this app can be checked from this screen.

Privacy Notice **airCloud Tap PRIVACY NOTICE** **PLEASE READ THIS PRIVACY NOTICE CAREFULLY BEFORE USING THE APP ON YOUR DEVICE** The airCloud Tap app (the "**App**") is provided to you by Johnson Controls ("**Johnson**", "**us**", or "**we**"). This Privacy Notice and Johnson Controls Privacy Notice applies to your use of the App and sets out the basis on which any personal information we collect from you, or that you provide to us, will be processed. **By downloading and installing the App onto your device and clicking on the ["I agree"] button you are consenting to the processing of your personal information as explained in this Privacy Notice.** 1. **Personal information we may collect from you** 　We may collect and process the following information about you: 　　• **Information you submit or provide**: We collect information that you submit or provide to us when: (a) registering to use the App, (b) adding details to your account or profile, (c) using the App's features	Tap "Privacy Notice" on the side menu screen to view the agreed to privacy notice.

6.8 Logout
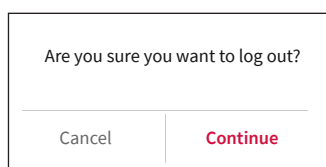
Are you sure you want to log out? Cancel　　Continue	If you tap "Logout" on the side menu screen, you will need to log in the next time you use the app.

7. Troubleshooting

7.1 Troubleshooting

7.1.1 App

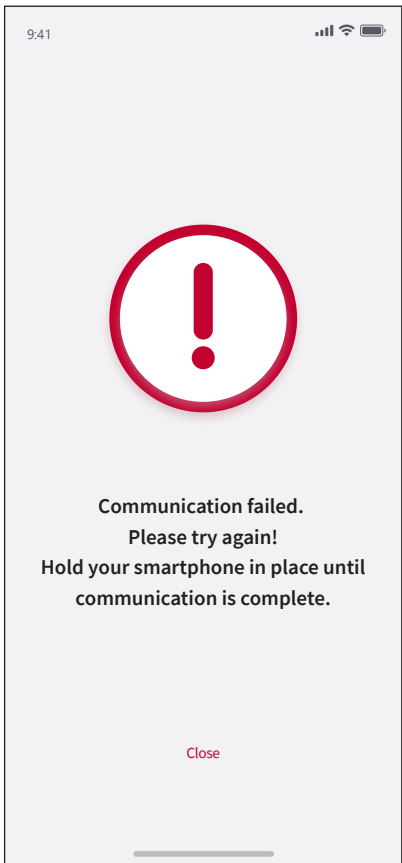| Item	Problem	Details	Solution
1	Cannot download the app.	Is the OS version correct?	[iPhone] Use iOS 13 or newer.
			[Andriod] Use Andriod OS 6 or newer.
2	"Privacy Notice" and "Terms and Conditions" are not displayed.	Is the smartphone connected to the internet?	Connect to the internet.
3	Failed user registration.	Is the smartphone connected to the internet?	Connect to the internet.
		Has the same email address been used to register a user?	On the login screen, tap "Forgot password?" to reset your password.
		Was the following message displayed "Email ID is already registered?"	On the log in screen, tap "Forgot password?", enter the registered email, and then enter the verification code again.
		None of the above.	Restart the app and try again.
4	Email verification code not received.	Is the email in your spam folder?	Please remove the email from the spam folder. Or, please allow the following domain. aircloud-tap@hitachiaircon.com
		Is there enough space in your inbox?	Make sure there is enough space in your inbox.
5	Cannot login.	Is the smartphone connected to the internet?	Connect to the internet.
		Was the following message displayed? "Your account has not been verified. Please verify by using the one time password received in registered email."	The verification code may not have been verified during user registration. Tap "Forgot password?" on the Log in screen, enter your registered email, and then enter the verification code again.
		None of the above.	Restart the app and try again.
6	App screen won't refresh.	No response when tapping or swiping?	Restart the app and try again.

7.1.2 Wired Remote Controller

Item	Problem	Details	Solution
1	Cannot communicate with the wired remote controller.	Is the smartphone NFC function turned on?	Turn the remote control NFC function ON.
		Is the wired remote controller turned on?	Turn the air conditioner ON.
		Is the NFC communication screen displayed on the wired remote controller?	Display the NFC communication screen.
		Is the NFC setting on the wired remote controller set to "Disabled"?	Change the NFC setting on the wired remote controller to "Enabled".
		Is the NFC part of the smartphone being correctly held over the wired remote controller LCD screen?	Hold the smartphone over the wired remote controller LCD screen correctly.
2	Part of the written settings is not being shown on the wired remote controller.	When writing settings, is "!" displayed in the function of the "Write Settings" screen on the wired remote controller?	If a function is not supported by the wired remote controller, "!" will be displayed on the "Write Settings" screen and the setting cannot be made. Refer to 5.2.4 NFC Write Successful/ Failure Condition for details on "!" display conditions.
		Were the settings read to the wired remote controller in advance?	Only settings changed with this app will be written to the wired remote controller. Read the settings from the target wired remote controller in advance before writing the settings.

7.2 Errors during Communication

7.2.1 Error Screen

If an error occurs during NFC communication, and error code and error message will be shown on the screen shown on the left.
Follow the instructions in the message. Refer to 7.2.2 Error Code List (page 103) for details about error codes and error messages.

NOTE:
- If the error does not disappear, check 7.2.3 Steps for when an error is displayed (page 96).

7.2.2 Error Code List

Error Code	Displayed Message
S01	**[Write using NFC Button/Start Test Run/Stop Test Run]** Communication failed. Please try again to complete communication or the App may not work properly! Hold your smartphone in place until communication is complete.
	[Other than Write/Test Run] Communication failed. Please try again! Hold your smartphone in place until communication is complete.
S05	Communication failed. (Time out) Please try again!
S06	Communication failed. Please try again! If you keep getting this error, there may be a problem with the circuit board. Please contact your service provider.
W01	**[Read](Read using NFC Button)** Communication failed. The write settings last time may have been left unsuccessful. Please try again after write settings! If you keep getting this error, there may be a problem with the data transmission. Please contact your service provider.
	[Other than Read] Communication failed. Please try again! If you keep getting this error, there may be a problem with the data transmission. Please contact your service provider.
W31	Communication failed. Please try again! Hold your smartphone in place until communication is complete.
W32	Communication failed. Please try again! Hold your smartphone in place until communication is complete.
W61	The requested data does not exist.
W62	The requested operation cannot be performed. Please check the status of the air conditioner from controller.
WFF	Communication failed. Please try again! If you keep getting this error, there may be a problem with the circuit board. Please contact your service provider.

7. Troubleshooting

7.2.3 Steps for When an Error is Displayed

Check procedure when S01/S05/S06/W01/W31/W32/WFF occurs

Check procedure		Solution
Is the smartphone close enough to the wired remote controller LCD screen?	No →	The NFC communication distance from the wired remote controller LCD screen is about 3cm. Move the smartphone closer to the remote controller and try again.
↓ Yes		
Does an error occur even after trying the same operation again?	No →	[When writing settings] When operating a central controller or when one of two wired remote controllers is used, an error may occur. When writing settings, do not operate a central controller or other wired remote controller. If an error occurs, make sure to write the settings again because a data error may occur.
	No →	[When the error code is W01, when not writing settings.] Writing settings was not successful last time and has remained as is. After writing settings, try again.
Yes	No →	[When the error code is not W01, when not writing settings.] When operating a central controller or when one of two wired remote controllers is used, an error may occur. When writing settings, do not operate a central controller or other wired remote controller. If an error occurs, try the same operation again.
Have you tried restarting the app?	No →	Restart the app and try the same operation again.
↓ Yes		
Does the error occur when using another smartphone?	No →	If the error does not occur with a different smartphone, the current smartphones NFC may be damaged.
↓ Yes		
Does it startup after turning the wired remote controller power on and off?	No →	If the wired remote controller doesn't start up, contact your contractor or distributor.
↓ Yes		
Does the error occur after turning the wired remote controller power on and off?	Yes →	If the problem is not solved after turning the wired remote controller power on and off, contact your contractor or distributor.

Check procedure when S02/W63 occurs

Check procedure		Solution
Are the target wired remote controller and the model of controller you selected on the app the same?	No →	The target wired remote controller and the model of controller you selected on the app must be the same. Please select the correct model on the app and try again.

Check procedure when W61 occurs

Check procedure		Solution
Are the check menus displayed on the app and the wired remote controller the same?	No →	The app collects check data displayed on the remote control. Display the same check menu on the app and the wired remote controller. Example - With the remote control displaying inspection 2, collecting inspection 1 data with the app W61 occurs.

Check procedure when W62 occurs

Check procedure		Solution
Is the NFC transmission screen displayed on the wired remote controller?	No →	Test run / Cancel preheating control can only be carried out from the NFC transmission screen. Display the NFC screen and try again.

Hitachi-Johnson Controls Air Conditioning, Inc.