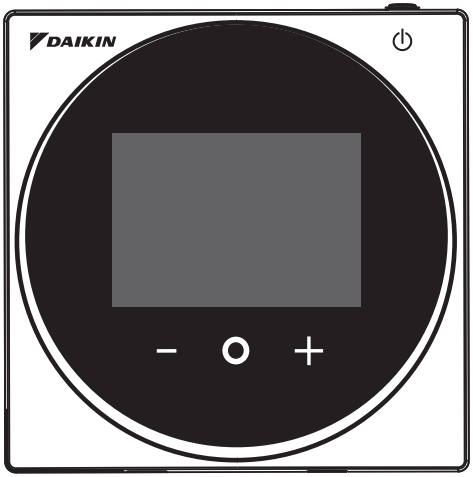
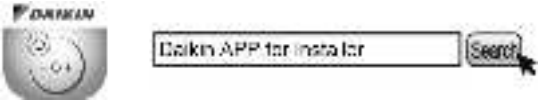
Wired Remote Controller

Installation Handbook



MODEL BRC1H64W/BRC1H64K

- Be sure to read before conducting the installation of this product, and conduct installation according to this manual.
- Refer to this manual together with the installation manual of the indoor unit.
- It is possible to perform settings of some functions from a smart phone app.



- For details, refer to the BRC1H64W/BRC1H64K manual on our company website.

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Safety Precautions

■ **Also refer to installation manual attached to the indoor unit.**

Please read these "Safety Precautions" carefully before installing the remote controller.

- This manual classifies the precautions into WARNINGS and CAUTIONS.
  Be sure to follow all the precautions below: They are all important for ensuring safety.

⚠ **WARNING**	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
⚠ **CAUTION**	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.

- After completing installation, conduct a test operation to check for faults and explain to the customer how to operate the remote controller and cleaning of it with the aid of the operation manual. Ask the customer to store the installation manual along with the operation manual for future reference.

⚠ **WARNING**
Ask your dealer or qualified personnel to carry out installation work. Do not attempt to install the remote controller yourself. Improper installation may result in electric shocks or a fire.
Consult your local dealer regarding relocation and reinstallation of the remote controller. Improper installation may result in electric shocks or a fire.
Install the remote controller in accordance with the instructions in this installation manual. Improper installation may result in electric shocks or a fire.
Be sure to use only the specified accessories and parts for installation work. Failure to use the specified parts may result in the remote controller falling down, electric shocks or a fire.
Install the remote controller on a foundation that can withstand its mass. Insufficient strength may result in the remote controller falling down and causing injury.
Make certain that all electrical work is carried out by qualified personnel according to the applicable legislation (note 1) and this installation manual, using a separate circuit. In addition, even if the wiring is short, make sure to use a wiring that has sufficient length and never connect additional wiring to make the length sufficient. Insufficient capacity of the power supply circuit or improper electrical construction may lead to electric shocks or a fire. (note 1) applicable legislation means "All international, national and local directives, laws, regulations and/or codes which are relevant and applicable for a certain product or domain".
Turn off the power before performing installation work. Touching live parts may cause electric shocks.
Do not disassembly, reconstruct or repair. Failure to do so many cause electric shock or a fire.
Make sure that all wiring is secured, using the specified wirings and ensuring that external forces do not act on the terminal connections or wirings. Improper connections or fixing may cause an overheat or a fire.
The choice of materials and installations must comply with the applicable national and international standards.

⚠ CAUTION
Install the remote controller in the living area.
To avoid electric shocks due to entry of water or insects, fill the wiring through hole with putty.
Do not operate with wet hands to avoid electric shocks.
Do not wash the remote controller with water. Failure to do so many cause electric shock or a fire.
Install the air conditioner, power supply wiring, remote controller wiring and transmission wiring at least 1 meter away from televisions or radios to prevent image interference or noise. (Depending on the radio waves, a distance of 1 meter may not be sufficient to eliminate the noise.)
Do not install the remote controller in the following locations: 1. Where there is oil mist, oil spray or vapour for example a kitchen. Resin parts may deteriorate and fall off. 2. Where corrosive gas, such as sulphurous acid gas, is produced. 3. Where there is machinery which emits electromagnetic waves. Electromagnetic waves may disturb the control system, and cause a malfunction of the equipment. 4. Where flammable gas may leak, where there is carbon fibre or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled. Operating the unit in such conditions may result in a fire. 5. High temperature area or near a heat source. It may cause an overheat or a fire. 6. Moist area, or place where may be exposed to water. If water enters inside of the remote controller, electrical components may fail. It may result in electric shocks or a fire. 7. Where atmospheric salt concentrations are high.
When remote controller's thermostat sensor is used, select the installation location by considering the followings. • A place where average temperature in the room can be detected. • A place where is not exposed to direct sunlight. • A place where is far apart from heat source. • A place where is not affected by outdoor air due to door opening/closing or the like.

Components and Accessories

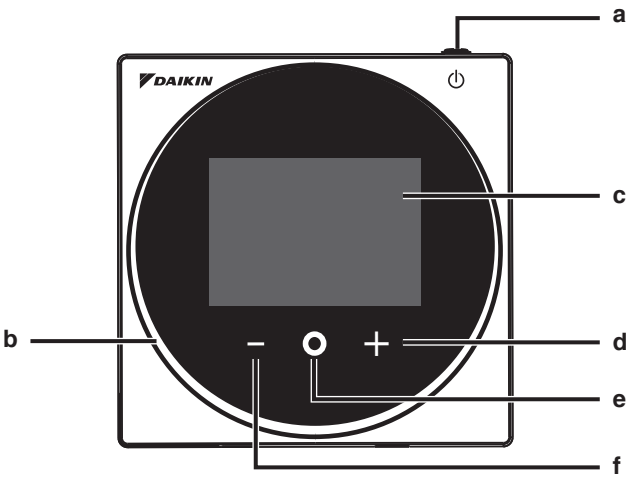
The following components are included.

Upper casing	Back plate
(1 pc.)	(1 pc.)

The following accessories are included.

Cross recessed round head wood screw	Drywall anchor	Operation Handbook	Installation Handbook
(2 pcs.)	(2 pcs.)	(1 pc.)	(1 pc.)

Button Locations and Descriptions



Functions items (i.e., Operation Mode, Fan Speed, and Setpoint) are set from the menu screen.

NOTICE

- Do not install the remote controller in places exposed to direct sunlight. The LCD may be damaged.
- Do not pull or twist the remote controller cord. The remote controller may be damaged.
- Do not use objects with sharp ends to press the buttons on the remote controller. Damage may result.

a ON/OFF button
- Press this button to turn on the system.
- Press this button again to turn off the system.

b Status indicator (LED)
- During operation, the light ring around the display lights up blue/red/green.
  Lights up blue: Operating, Blinks red: Error is occurring, Lights up/blinks green: Bluetooth connecting

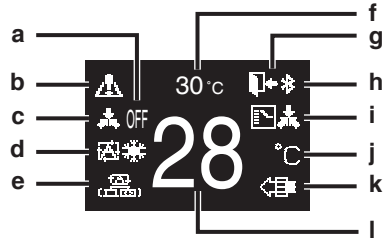
c LCD (Refer to INFORMATION on page 5.)
- Displays the current setpoint and air conditioner operation status.

d + NAVIGATE/ADJUST button
- Navigate right.
- Adjust a setting.

e SELECT/ACTIVATE/SET button
- From the home screen, enter the main menu.
- From the main menu, enter one of the submenus.
- From their respective submenu, activate an operation/ventilation mode.

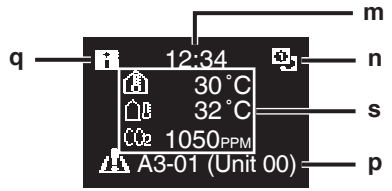
f − NAVIGATE/ADJUST button
- Navigate left.
- Adjust the setting.

Home screen



Information screen

Icon view



Sensor view

Screen display explanation

a OFF
- Displayed when operation is stopped.

b Error/Filter/Test/Streamer/ Zigbee icon*
- Error, filter, test, streamer and Zigbee icons are displayed.
- The streamer icon is displayed when Mold Proof operation is active.
- The Zigbee icon will flash when sensor connection is lost.

c Centralized Control
- Displayed when under centralized management.

d Operation mode
- Displays the current operation mode.

e Ventilation mode

f Room temperature
- Displays the current room temperature.

g Setback
- Blinks during setback operation.
- Displayed during setback setting.

h Bluetooth*
- Indicates that the controller is communicating with a mobile device, for use with the app.

i Changeover Under Control
- Displayed when controller is unauthorized to select heating/cooling operation.

j Fahrenheit/Celsius
- Depending on the setting, Fahrenheit/Celsius display can be selected.

k Air Purifying

l Set temperature
- Displays setpoint temperature.

m Clock (24 hours time display)

n MAIN/SUB remote controller sign
- : Main controller, : Sub controller

o Status
- Notifies the status.

p Error display
- If an error occurs, the icon, an error code and unit number are displayed.

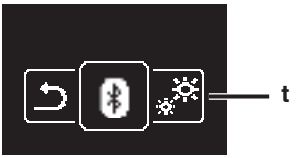
q Information icon

r Bluetooth/Zigbee icon
- Bluetooth and Zigbee icons are displayed. : Bluetooth, : Zigbee

s Sensor values
- Zigbee sensor values are displayed when normal values are received and Zigbee sensor settings have been configured.
- If Zigbee sensor values cannot be received, sensor values will be displayed as per original settings.
- If there are no sensors, a horizontal bar ("–") is displayed.

User menu/Administrator menu/ Installer menu

User menu



Administrator menu/Installer menu

t Settings menu icon

* The Bluetooth® and Zigbee™ word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc and Zigbee Alliance, respectively, and the use of such marks by Daikin Industries LTD. is under license. Other trademarks and trade names are those of their respective owners.

INFORMATION

Depending on the connected model, some items may not be displayed.
The controller is equipped with a power-saving function that darkens the display if there is no operation for a certain period of time. To make the screen light up again, press one of the buttons. Note that pressing one of the buttons will only make the display bright again, not cause remote controller operation.

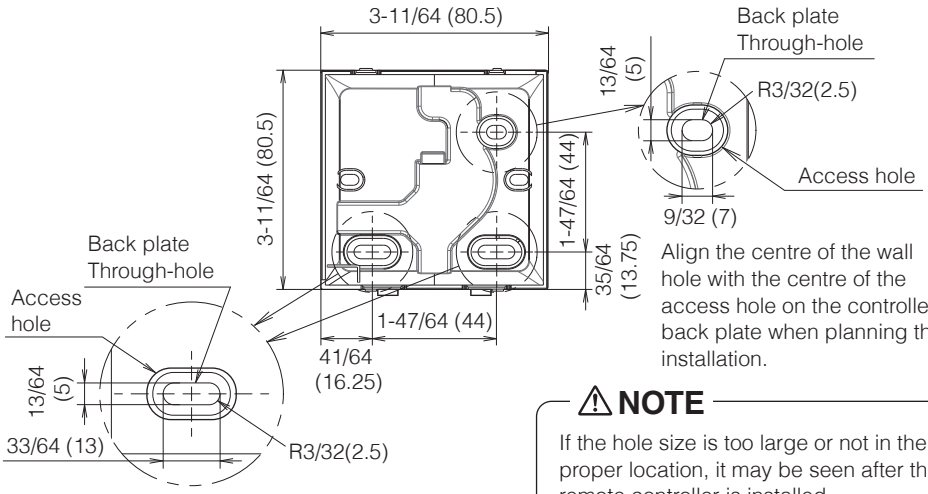
Remote Controller Installation Procedure

Deciding where to install the remote controller

Select the installation location based on “Safety Precautions” (see page 2) and obtain consent of the customer.

Creating a wiring through-hole in the wall (when opening a hole in the wall and installing)

[Unit : inch (mm)]



Align the centre of the wall hole with the centre of the access hole on the controller back plate when planning the installation.

⚠ NOTE

If the hole size is too large or not in the proper location, it may be seen after the remote controller is installed.

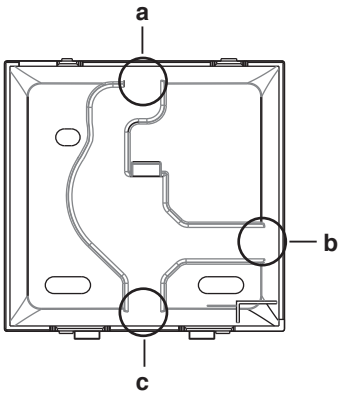
⚠ CAUTION

- Note that if the wiring through-hole is large or deviates from the specified position, the hole may be exposed.

Determining the wire routing direction for the back plate

Before mounting the controller, determine the wiring direction and remove a piece of the controller's back plate accordingly (i.e.: a, b, c). The wiring can be routed from the top, the left, or the bottom of the back cover. Remove a piece of the back plate according to the following figure.
After removing a thin piece with a tool such as clippers, remove burrs using a file, etc.

a Wiring from top
b Wiring from left
c Wiring from bottom



⚠ CAUTION

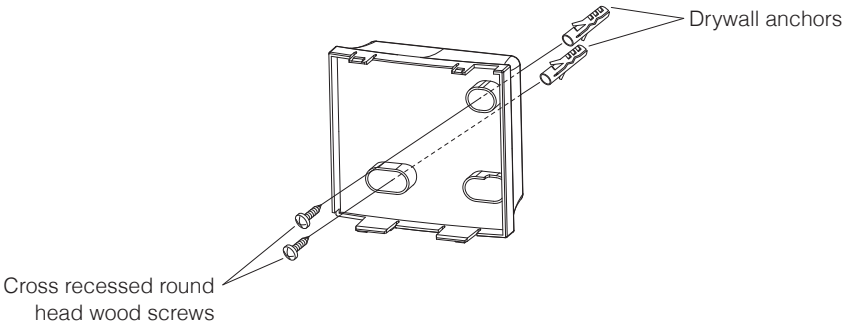
In case you are routing the wiring from the rear, you don't have to remove anything.
When routing the wiring from the top, rear, left, or bottom, be sure to route the wiring to the upper casing before securing the back plate.

Securing the back plate

Wall installation

1 : Take the cross recessed round head wood screws and drywall anchors out of the accessory bag.

2 : Mount the back plate to a flat surface.



⚠ CAUTION

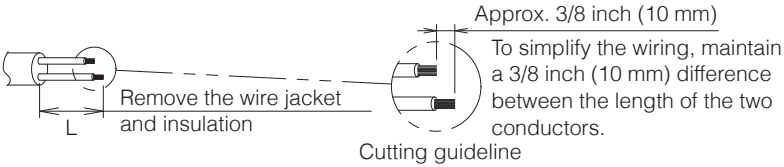
- Install the controller on a flat surface only.
- To prevent deformation of the back plate, avoid over-tightening the installation screws.
- If tightened too much, the back plate will be deformed and the upper casing will come off easily. If the upper casing comes off easily, loosen the screws and correct the deformation.

Connecting the electrical wiring

All wiring must comply with the following requirements:

Wire specification	Value
Wiring type	Non-shielded, 2-conductor, Stranded copper wire
Wiring size	AWG-18
Wiring length	Maximum 1640 feet (500 m)

Prepare the wiring for connection to the remote controller following these instructions:



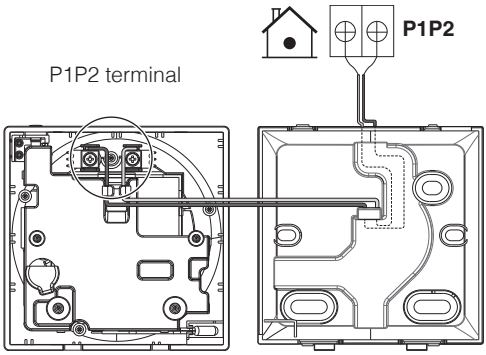
Wiring outlet	L
Top	5.5 inch (140 mm)
Left	4.3 inch (110 mm)
Bottom	3.5 inch (90 mm)
Rear	No requirements

Connect the terminals (P1, P2) of the remote controller to the terminals (P1, P2) of the indoor unit. (P1 and P2 are not polarity sensitive.)

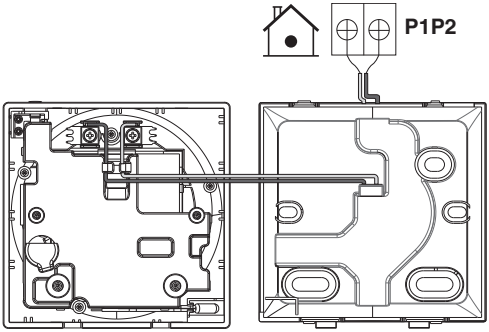
⚠ CAUTION

- Before working, shut off all power supplies.
- A mounting plate for installing the remote controller and remote controller wiring are not included.
- Do not touch the remote controller circuit board directly with your hands.

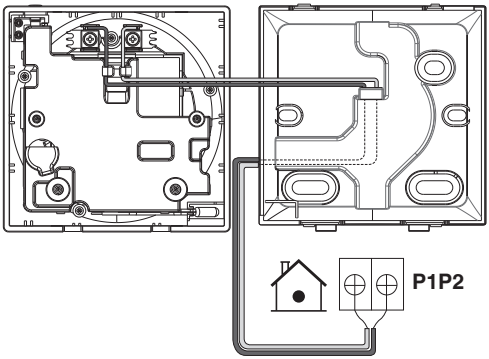
Top outlet



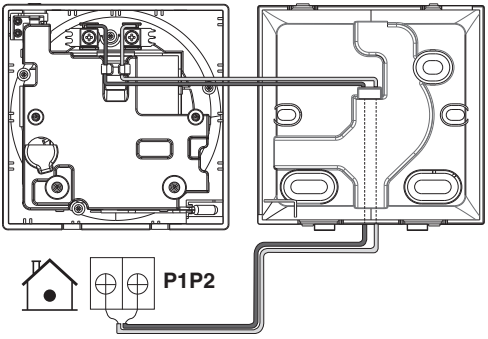
Rear outlet



Left outlet



Bottom outlet

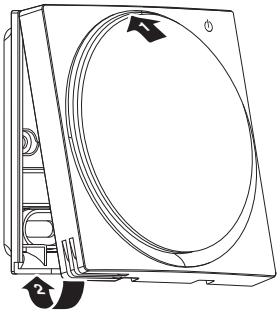


⚠ CAUTION

- Keep the wiring away from the power wire so that electrical noise (external noise) is not received.
- In order to prevent the entry of water or insects, use putty (field supply) to securely seal the wiring lead-in hole.

Closing the controller

1 : Place the top of the controller on the top of the back plate.
2 : Snap the bottom of the controller into place on the bottom of the back plate.
3 : Ensure the installation site is dust-free, before peeling the protective seal.

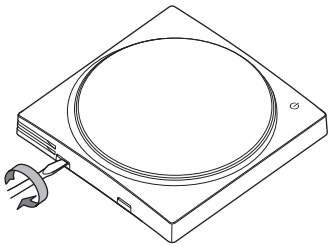


⚠ CAUTION

- Never touch the internal parts of the controller.
- When closing the controller, be careful not to pinch the wiring.
- To prevent damage, make sure the front of the controller is clicked into the back plate securely.

When removing the upper casing

Insert a flat head screwdriver into the recess in the back plate and remove the upper casing.
(2 locations)



⚠ CAUTION

- The remote controller circuit board is attached to the upper casing. Be careful not to damage the circuit board and casing when removing the upper casing.
- Do not touch the remote controller circuit board directly with your hands.
- Be careful not to allow dust or moisture to adhere to the circuit board when the upper casing is removed.

Designating a controller as main or sub

Prerequisite: A remote controller is already connected to the indoor unit.

Connect a second controller.
After turning on the power, perform setting of the second controller.

Result: It will start up automatically.

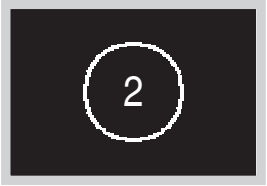
▼

Home screen

Wait for a U5, U8 error code to appear on the screen.
Screen display explanation
1 main
2 sub

▼

Home screen



When the U5 error code appears, press — and hold until "2" appears on the screen.
When the U8 error code appears, press — and hold until "1" appears on the screen.

Result:
A controller displaying 1 is set as main, and a controller displaying 2 is set as sub.

INFORMATION

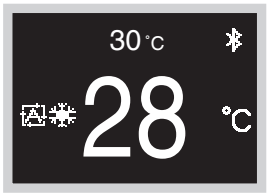
If sub remote controller is not set at power-on in the case of one indoor unit controlled by two remote controllers, Error Code: U5 is displayed in the connection checking screen.
If the sub remote controller does not display the home screen two minutes after its designation, turn off the power and check the wiring.

Releasing the changeover master (VRV only)

To change the authority to choose cooling/heating, you must first specify the remote controller with the authority, then release the authority.
Depending on the system, setting may not be available.

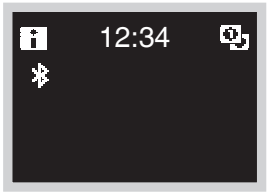
Prerequisite: You are in the installer menu.
You are operating the controller of the indoor unit that you want to release from being the changeover master.

Home screen



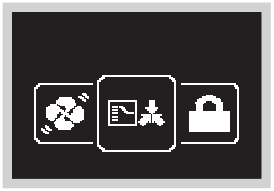
Press and hold ○ button for 5 seconds or longer.
The information screen is displayed.

Information screen



Press ○ → + → − (in that order) and hold them down for 5 seconds.
The installer menu screen is displayed.

Installer menu screen



Navigate to the Rel Master Control menu "".

Sub-menu screen

Press + to release the indoor unit from its authority.

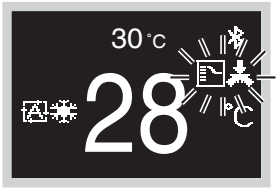
Result:

- The indoor unit is released from its authority.
- The controllers of all indoor units display a blinking "" icon.

Setting up the changeover master

This setting is available only when none of the remote control in the system has master control.

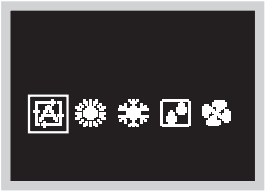
Prerequisite: No indoor unit is yet set as the changeover master ("" icon blinking on all controllers).
You are operating the controller of the indoor unit that you want to set as the changeover master.



Menu screen

Navigate to the operation mode menu.

Sub-menu screen



Press − or +.

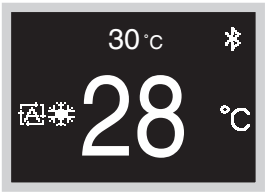
Result:
- The indoor unit is now the changeover master ("" icon not displayed).
- All sub controllers display the "" icon.

Field Setting

Field settings method

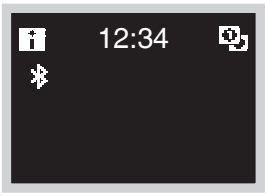
This section describes how to perform field setting.

Home screen



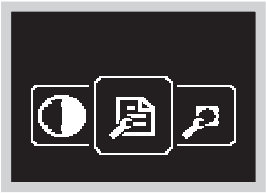
Press and hold ○ button for 5 seconds or longer to display the information screen.

Information screen



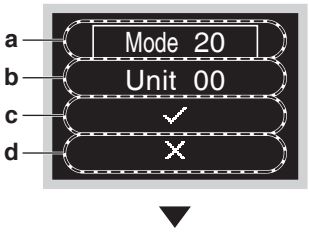
Press ○ → + → − (in that order) and hold them down for 5 seconds to display the installer menu screen.

Installer menu screen



Press − or + button, for move to "".
If Bluetooth is connected, performing field setting from the remote controller side is impossible.
Disconnect Bluetooth, or perform field setting from the mobile application.

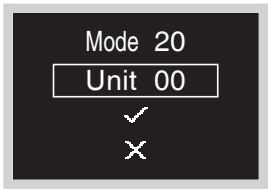
Sub-menu screen



Press + or − button, to select Mode No. and press ○ to enter the field setting menu.
Press − or + button, to scroll the desired Mode No. and press ○ button.

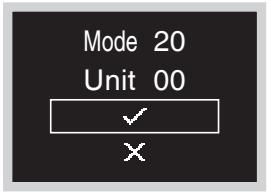
a Mode No.
b Unit No.
c Enter
d Return

Sub-menu screen



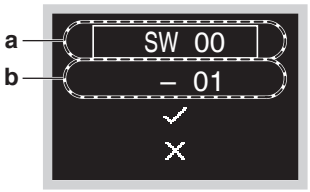
Press − or + button, to select Unit No. and press ○ button.
Press − or + button, scroll to the desired Unit No. and then press ○ button to set the selection.

Sub-menu screen



Press − or + button, to select ✓, and then press ○ button to set the selection.

Sub-menu screen



Press − or + button, select First Code No., and then press ○ button.
Press + or − button, scroll to the desired First code No. and then press ○ button to set the selection.

a First Code No.
b Second Code No.

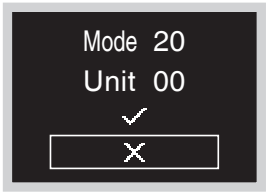
Sub-menu screen

Press − or + button, to move Second Code No., and then press ○ button.
Press − or + button, to scroll to the desired Second Code No., and then press ○ button.

Sub-menu screen

Press − or + button, select ✓, and then press ○ button to fix the setting and return to the previous screen.
If the setting is not changed, select ✕.

Sub-menu screen



Press − or + button, move to ✕, and then press ○ button to return to the installer menu.
* If the setting has been changed, the screen may return to the home screen without returning to the installer menu.

⚠ CAUTION

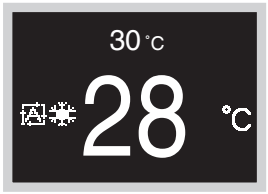
- The connection of optional accessories to the indoor unit might cause changes to some field settings. For more information, see the installation manual of the optional accessory.
- For details about the specific field settings of each type of indoor unit, see the installation manual of the indoor unit.
- Field settings that are not available for a connected indoor unit are not displayed.
- Field setting default values are different depending on the indoor unit model. For more information, see the service manual of the indoor units.

Updated by OTA

Software update method

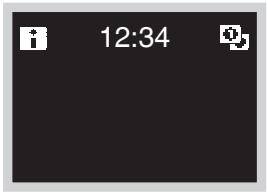
This section describes how to perform software update.
If you need to update the software in the remote controller, follow the steps below.
The Bluetooth setting screen can also be accessed via a shortcut operation on the home screen. For details, please refer to the BRC1H64W/BRC1H64K manual on the company website.

Home screen



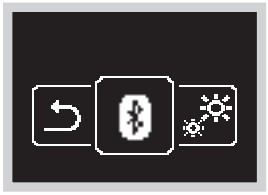
Press and hold ○ button for 5 seconds or longer to display the information screen.

Information screen



Press ○ → + → − (in that order) and hold them down for 5 seconds to display the installer menu screen.

Installer menu screen



Press − or + button, for move to "".

Bluetooth setting screen

Launch the DAIKIN APP and update the software. For details, refer to the manual for the DAIKIN APP.

* The last 6 digits of the Bluetooth device address are displayed on the remote controller, select the same 6 digits that are also displayed on the app.

Home screen

Once the software update is complete, the remote controller will restart. Wait until the home screen displays.

INFORMATION

While the software is updating the screen will flash various colors, however, this is not a malfunction. Do not turn off the power until the software update is complete.

License

The following OSS is included in the remote controller.
[micro-ecc]

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Certification

COMPLIANCE WITH REGULATIONS

• In Singapore

Complies with
IMDA Standards
DA107930

• In Thailand

• In Australia/In New Zealand

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Osaka Umeda Twin Towers South,
1-13-1, Umeda, Kita-ku, Osaka, 530-0001, Japan

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