

Wired Remote Controller

Installation Manual



MODEL BRC1H63W/BRC1H63K

- 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.

DAIKIN



Daikin APP for Installer Search

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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.

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
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.

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.

Touch with live parts may cause electric shocks.

Do not disassembly, reconstruct or repair.

Electric shock or a fire may cause.

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.

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.

It may result in electric shocks 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.
- 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 directly flamed point. It may cause an overheat or a fire.
- 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.

When remote controller's thermostat sensor is used, select the installation location 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.



The following accessories are included.

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

Remote Controller Installation Procedure

Deciding where to install the remote controller

Select the installation location based on "Safety Precautions" and obtain consent of the customer.

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



• 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



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.



- 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:





Cutting guideline

Wiring outlet	L
Тор	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.)

- 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



- 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.



- 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)



- 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.

Button Locations and Descriptions



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

- 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 "Names and Functions".)

• 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 user menu.
- From the user menu, enter one of the submenus.
- From their respective submenu, activate an operation/ventilation mode.

f NAVIGATE/ADJUST button

- Navigate left.
- Adjust the setting.

Overview of Screens

How to display the screen (Standard mode)

The following is just an example. The items available for setting vary depending on the indoor unit you are using. If there is no button operation for about 10 seconds, the screen returns to the home screen.



How to display the screen (Hotel mode)

Hotel mode can be enabled via the DAIKIN APP. For details, refer to the DAIKIN APP manual.

The following is just an example. The items available for setting vary depending on the indoor unit you are using.



Pressing O cycles through the

INFORMATION

There are 2 screen display modes, text mode and icon mode.

Change the mode according to your preference.

This manual explains functions and operations in icon mode.

* Display mode can be changed via local settings on the remote controller. For details, refer to "R/C Setting" in this manual.



Setting Screen List

	Setting lis	t	User	Installer	
lcon	Name	Description	menu menu O		menu
Depends on current setting	Operation Mode	Operation mode setting	0		
Depends on current setting	Fan Speed	Airflow rate setting	0		
Depends on current setting	Airflow Direction	Airflow direction 1 setting	0		
Depends on current setting	Vertical Airflow	Airflow direction 2 setting	0		
Depends on current setting	Ventilation Mode	Ventilation mode setting	0		
Depends on current setting	Ventilation Rate	Ventilation rate setting	0		
@0ff	Off Timer Turns off the unit after a set by the user.		0		
Q	Adjust LED (ON)	LED brightness adjustment when backlight lights up	0		
Q	Adjust LED (OFF)		0		
	Sign Reset	Filter sign reset	0		
°CI°F	Celsius/Fahrenheit	Fahrenheit/Celsius changeover	0		
	Setpoint	Setpoint setting when in auto operation mode	0		

	Setting list User Administrator					
Icon	Name	Description	menu	menu	menu	
8	Bluetooth Setting	Bluetooth setting		0	0	
	Backlight	Backlight brightness setting		0	0	
0	Contrast	Contrast setting		0	0	
Θ	Clock Setting	Clock setting		0	0	
	About	Administrator information		0	0	
	Admin Password	Administrator password setting		0		
	Installer Password	Installer password setting			0	
B	Field Setting	Field Setting			0	
\mathcal{P}	R/C Setting	R/C Setting			0	
오	Address Setting	Address Setting			0	
1	Forced Fan ON	Forced Fan ON Setting			0	
	Rel Master Control	Release changeover master			0	

Names and Functions

Home screen



Information screen







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.

🕂 : Error 🏢: Filter 丁: Test

🔁: Streamer 🔁: Zigbee

- 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

I 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, 2 : 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

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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.

t Settings menu icon

Starting Up the System

- Check for completion of indoor/outdoor unit wiring.
- Ensure that covers is closed on electrical component boxes for both indoor and outdoor units prior to restoring power.

Power-on

- The controller gets its power from the indoor unit.
- Therefore, for the controller to be operable, make sure the indoor unit is powered on. Once the controller is powered, it will automatically start up.

If it is the first and only controller that is connected to the indoor unit, it will automatically get designated as the main controller. If there is a second controller, it is necessary to manually set it as a sub controller.

Main and sub controller



• On the information screen, main/sub status is indicated by the following icons:

lcon	Description
್ರ	Main
e	Sub

It is only possible to use a main and a sub controller of the same type.

INFORMATION

When digital input adapter BRP7A5* is part of the system, it is not possible to connect a second controller. Connecting a second controller when the system already contains the adapter will cause the adapter to go into error mode.

IINFORMATION

If a sub controller does not display the home screen 2 minutes after its designation, turn off the power and check the wiring.

INFORMATION

After re-designating a controller, the system requires a power reset.

IINFORMATION

The following functions are not available for sub controllers:

- "Auto" operation mode
- Individual airflow direction
- Filter auto clean
- · Setback temperature setpoints
- Draft prevention

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.





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.

Switching the Changeover Master

About the changeover master

When multiple indoor units are connected to one outdoor unit or branch selector unit, by giving the authority to switch the operation mode to a specific indoor unit, the operation switching of other indoor units can be controlled.

- Only the remote controller set as the changeover master can select cooling, heating or auto operation modes.
- Remote controllers not set as the changeover master will follow the operation mode of the changeover master.
- Setting and cancellation of the changeover master needs to be carried out on the remote controller that is already the changeover master, and the remote controller that is to be set as the changeover master.
- Depending on the system, this function may not be available.

Possible operation mode selections for a remote controller that is a changeover master or a mode follower

Operation modes for the remote controller that is a changeover master	Operation modes that can be selected by remote controllers that is a mode follower
Heating via Heat/Auto	Heat, Fan
Cooling via Cool/Auto	Cool, Dry, Fan
Dry	Cool, Dry, Fan
Fan	Fan

* Depending on the air conditioner and the system, some operation modes may not exist.

Example of the changeover master settings

In the following cases, it is necessary to give the authority to choose cooling/heating to 1 remote controller:

- When multiple indoor units are connected to the same heat pump outdoor unit.
- When multiple indoor units are connected to the same branch selector port in a heat recovery system.

Heat pump system

When multiple indoor units are connected to 1 outdoor unit: Give the authority to choose cooling, heating, or auto to 1 of these remote controllers.



• For the remote controller **without** cooling/heating selection authority, the operation modes that can be selected are limited.

Heat recovery system

When multiple indoor units are connected to the same port of a branch selector unit: Give the authority to choose cooling, heating, or auto to 1 of these remote controllers.



- a Outdoor unit
- **b** Indoor unit
- c Remote controller
- **d** Branch selector unit (This unit switches between cooling and heating.)
- e Changeover master
- f Changeover mode follower
 - * The screen of the remote controller with no cooling/heating selection authority when the remote controller with cooling/ heating selection authority is in "Auto" mode and has selected Heat operation (auto heating)

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.





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 ("**EK**" icon blinking on all controllers).

You are operating the controller of the indoor unit that you want to set as the changeover master.





Sub-menu screen



Result:

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

Installer Menu

How to enter the Installer menu



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

Information screen



Press $\bigcirc \rightarrow \blacksquare \rightarrow \blacksquare$ (in that order) and hold them down for 5 seconds.

The installer menu screen is displayed.

Field Setting

Field settings method

This section describes how to perform field setting.

For details, please refer to "Overview of Screens" in this manual and enter the installer menu.





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





Press 🕂 or 🗖 button, to select Mode No. and press 🖸 to enter the field setting menu.

- a Mode No.
- **b** Unit No.

Sub-menu screen



Press \blacksquare or \blacksquare button, to scroll the desired Mode No. and press \bigcirc button.

Sub-menu screen



Press or the button, to select Unit No. and press button.



Sub-menu screen



Press or the button, to move Second Code No., and then press O button.

Sub-menu screen



Press or the button, to scroll to the desired Second Code No., and then press O button.

Sub-menu screen



If the setting is not changed, select "X".





* If the setting has been changed, the screen may return to the home screen without returning to the installer menu.

- 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.

- Installation of optional accessories on the indoor unit may require changes to field settings. See the manual of the optional accessory.
- For field setting details related to the indoor unit, see installation manual shipped with the indoor unit.

Mode No	FIRST	Descriptic	SECOND CODE NO. (Note 2) (Items in bold are factory default settings)							
(Note 1)	NO.	Description		01	02		03	04	05	
		Filter Contamination - Heavy/Light (Setting for	Ultra- long-life filter	Approx. 10.000 hrs.			Approx. 5.000 hrs.			
	0	display time to clean air filter) (Setting for when filter contamination is beaw, and	Long-life filter	Light	Approx. 2.500 hrs.	Неачу	Approx. 1.250 hrs.	_	_	_
10 (20)		spacing time of display time to clean air filter is to be halved)	Standard filter		Approx. 200 hrs.		Approx. 100 hrs.			
	1	Long-life filter type (Setting of filter sign indication time). (Change setting when Ultra-long-life filter is installed)			Long-life filter		lltra-long- life filter		_	_
	2	Thermostat sensor in remote controller			Use		Not use	—	—	—
	3	Spacing time of display time to clean air filter count (Setting for when the filter sign is not to be displayed)			Display		Do not display	_	_	_
11 (21)	0	Setting number of connected SPLIT simultaneous oper system indoor unit (Setting for simulta operations system	Setting number of connected SPLIT system simultaneous operation system indoor units (Setting for simultaneous		Pair Twin		Twin	Triple	Double twin	_
12 (22)	1	ON/OFF input from outside (Setting for when forced ON/OFF is to be operated from outside).		Fo	prced OFF	C	ON/OFF operation			
12 (22)	2	Thermostat differential changeover (Setting for when using remote sensor).			1°C		0.5°C			

Field setting mode list (Excerpt)

Mode	FIRST		SECOND CODE NO. (Note 2)							
No. (Note 1)	NO.	Description	01	02	03	04	05			
	0	High ceiling setting (Setting for when installed in ceiling higher than 2.7 m). * Height depends on the connection model. Refer to the installation manual attached to the indoor unit to be connected for details.	≤2.7 m *	2.7 m<, ≤3.0 m *	3.0 m<, ≤3.5 m *	_				
13 (23)	1	Selection of airflow direction (Setting for when a sealing pad of air discharge outlet has been installed).	4-way air discharge	3-way air discharge	2-way air discharge		_			
	3	Selection of airflow function (Setting for when using a decoration panel for outlet).	Equipped	Not equipped						
	4	Airflow direction range Up setting.		Normal	Lower	_	_			
	6	Setting the external static pressure (Setting according to the connected duct resistance)	Normal	High static pressure	Low static pressure		_			
		For FHYK	Normal	High ceiling						
15 (25)	3	Drain pump operation with humidifying.	Equipped	Not equipped		_				
1A	00	Pre Vent setting (Fresh-up)	Disabled	Enabled			—			
1B	08	Daylight savings time setting	Disabled	Change at fixed time	Change on individual remote controllers (manually)	Change by linkage with centralized device	Change on individual remote controllers (automatically)			
	01	Change room temperature display	Inlet temperature	Remote controller thermistor	_	_	_			
1C	12	External linkage adapter B1 input setting	Unreferenced	Referenced	—	—	_			
	13	3 External linkage adapter Unreferenced B2 input setting		Referenced						
	14	Key card function	Disabled	Enabled			—			
1E	02	Setback function availability	OFF	Heating only	Cooling only	Both heating and cooling	_			
	14	Mold Proof setting (Streamer)	Disabled	Enabled	_	_	_			

- **Notes)1.** Though setting is performed totally in the group, set Mode No. in the parenthesis when individual setting per indoor unit or checking after the setting should be performed.
 - **2.** SECOND CODE NO. at factory shipment is set to "01". However for the following cases it is not "01".
 - Airflow direction range setting (except Round flow cassette)..."02"
 - Thermostat sensor in remote controller (SPLIT system only)... "02"
 - Thermostat sensor in remote controller for auto mode and Setback function only..."02"
 - Setback function..."04"
 - **3.** Any function which the indoor unit does not have is not displayed.

R/C Setting

R/C setting method

This section describes how to perform R/C setting.

For details, please refer to "Overview of Screens" in this manual and enter the installer menu.





Press or the button, 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.





Press 🕂 or 🗖 button, to select Mode No. and press 🖸 to enter the field setting menu.

- a Mode No.
- **b** Unit No.

Sub-menu screen



Press \blacksquare or \blacksquare button, to scroll to the desired Mode No. and press \bigcirc button.

Sub-menu screen



Press or the button, to select "V", and then press button to set the selection.



Press or the button, select First Code No., and then press O button.

- a First Code No.
- **b** Second Code No.

Sub-menu screen



Press 🕂 or 🗖 button, scroll to the desired First code No. and then press 🖸 button to set the selection.

Sub-menu screen



Press or the button, to move Second Code No., and then press O button.

Sub-menu screen



Press H or button, scroll to the desired Second code No. and then press O button.

SW 13 - 00 - X

Sub-menu screen

Press \blacksquare or \blacksquare button, select " \checkmark ", and then \bigcirc button to save the setting and return to the previous screen. If the setting is not changed, select " \checkmark ".

Sub-menu screen



- Press \blacksquare or \blacksquare button, move to "X", and then press \bigcirc 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.

R/C setting mode list (Excerpt)

Mode	FIRST SECOND CODE NO. CODE Description (Items in bold are factory default settings)															
INO.	NO. NO.			00	01	02	03	04	05	06	07	08	09	10	11	12
	03	Controller	Cool	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	±0	+0.5	+1.0	+1.5	+2.0	+2.5	+3.0
	04	thermistor	Heat	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	±0	+0.5	+1.0	+1.5	+2.0	+2.5	+3.0
	05	adjustment	Auto	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	±0	+0.5	+1.0	+1.5	+2.0	+2.5	+3.0
	06	(°C)	Fan only	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	±0	+0.5	+1.0	+1.5	+2.0	+2.5	+3.0

Mada	FIRST		SECOND CODE NO.					
No	CODE	Description	(Items in bold are factory default settings)					
110.	NO. NO.		00	01	02	03	04	05
	11	LED lighting settings during error	Error blinking	Normal continuously lit	_	_	_	_
R1	12	Enable and disable Bluetooth function	Disabled	Enabled				
	09	Sensor display screen	Not displayed	Displayed	_	—	_	—
	10	Displayed sensor value selection (Upper)	None	Outdoor temperature	Room temperature	Room humidity	Outdoor humidity	CO2 concentration
R2	11	Displayed sensor value selection (Middle)	None	Outdoor temperature	Room temperature	Room humidity	Outdoor humidity	CO2 concentration
	12	Displayed sensor value selection (Lower)	None	Outdoor temperature	Room temperature	Room humidity	Outdoor humidity	CO2 concentration
R3	13	Text display	Text and Icon	lcon only	_	_	_	_

Installer Password Setting

Installer password setting method

This section describes how to perform password setting.

For details, please refer to "Overview of Screens" in this manual and enter the installer menu.





Press or the 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.





Press
or button, select Enable/Disable, and press
or to perform password enable/disable setting.

- a Enable/Disable
- **b** Password

Sub-menu screen



Press
or
button, change the password to enable/
disable, and press
button.

Select " \blacksquare " to enable the password and select " \blacksquare " to disable the password.

Sub-menu screen



Press or to select Password and press button.



Press 🕂 or 🗖 button, set any password, and then press 🖸 button.

Each time O button is pressed, the digit place will change. When the 4th digit on the right end is reached, press O button to return to the previous screen.

Sub-menu screen



Press
 or
 button, select "
 ", and then press
 button to return to the installer menu.
 If Enable/Disable is set to Enable, the set 4-digit
 password will be enabled.
 If set to Disable, the password will be disabled.

Sub-menu screen



Other Service Settings

Group Address

- Assign the group address and unit number for centralized control.
- The group and unit address can only be set when a centralized controller is connected. This menu is only visible when a centralized controller is connected.
- The group and unit address can be "set" and "released".

Don't forget to release the group address before disconnecting the centralized controller because the menu will not be accessible afterwards.

Indoor and outdoor unit Airnet Address

Set the indoor and outdoor unit Airnet Address.

External Input Interlock

About external input interlock

External input interlock allows for the integration of key card and window contact logic into the system.

External input interlock is only available in case digital input adapter BRP7A5* is part of the system.

Key card function is available individually by T1 T2 without additional BRP7A5*.

Please refer to IDU's installation manual for more information about setting.

When the adapter is part of the system:

• it is not possible to connect a sub controller, and

Make sure that the digital input adapter and its optional contacts (window contact B1 and key card contact B2) are correctly installed.

Confirm that the voltage free contact of the digital input adapter is in the correct position. For instructions on how to install the digital input adapter, see the installation manual of the digital input adapter.

In case the digital input adapter does not function properly, the external input interlock menu is not available in the installer menu.

In case a centralised controller is additionally part of the system, external input interlock is controlled by the centralised controller. The digital input adapter is then overruled.

To make external input interlock settings

Prerequisite: You are in the installer menu.

1: Navigate to the external input interlock menu.



- **2:** Use and + to navigate through the menu.
- **3:** Press **O** to select a parameter.
- **4:** With a parameter selected, use \blacksquare and \blacksquare to change that parameter's value.
- 5: With a parameter selected, press O to confirm the value for that parameter.
- 6: When you are done making settings, confirm all settings by selecting ✓ and pressing ○.

Result: The system will restart and implement any changes made.

IINFORMATION

For an overview of settable parameters and what they mean, see "External input interlock settings overview".

External input interlock settings overview

Parameter	Description	Possible values	Default value
B2 Delay Timer B2 ① (1) 000 ✓ ×	Timer that starts as soon as the key card is removed. The unit continues normal operation until the timer expires.	0-10 minutes	"1 min"
B2 Reset Timer B2 (2) 20 × ×	Timer that starts as soon as the Delay Timer expires. When this timer expires, the previous state (i.e. regular setpoint) changes to the "Default Reset Setting" state.	0-20 hours	"20 hours"
Reset ON/OFF	"Default Reset Setting" on/off state	"ON", "OFF", ""	"OFF"
Reset Mode	"Default Reset Setting" operation mode	Auto, Cooling, Heating, Fan only, ""	" <u> </u> "
Reset Cool SP	"Default Reset Setting" cooling setpoint	See indoor unit's setpoint range and setpoint range limitation, ""	"22°C"

Parameter	Description	Possible values	Default value
Reset Heat SP 22 ✓ X	"Default Reset Setting" heating setpoint	See indoor unit's setpoint range and setpoint range limitation, ""	"22°C"

INFORMATION

When the value for a parameter is "--", this means that when the timers expires, nothing changes for that parameter and the current active value is kept.

Window contact logic

Window contact B1	Key card contact B2	Time	Action
Contact closed (window open)	Contact closed (key card IN)	_	 Normal indoor unit operation. The unit returns to the previous state before opening the contact.
Contact open (window open)	Contact closed (key card IN)		 Unit operation is forced off: No delay and reset timer functionality. No Setback functionality. Not possible to turn on/off the unit with the controller's ON/OFF button.

Key card contact logic

Window contact B1	Key card contact B2	Time	Action
Contact closed (window closed)	Contact closed (key card IN)	 — Delay timer<time <reset li="" timer<=""> Time>Reset timer </reset></time 	 The unit operates normally. If the reset timer has not expired, the unit returns to the previous state before opening the contact. If the reset timer has expired, the unit returns to the "Default Reset Setting" (see "External input interlock settings overview").
Contact closed (window closed)	Contact open (key card OUT)	Time <delay td="" timer<=""><td>Normal indoor unit operation.</td></delay>	Normal indoor unit operation.
Contact closed (window closed)	Contact open (key card OUT)	Time>Delay timer	 Unit operation is forced off: Depending on whether the Setback function is enabled, Setback will work or not. Not possible to turn on/off the unit with the controller's ON/OFF button. After the delay timer has expired, the reset timer will start counting.

IINFORMATION

- The "previous state" can be the on/off state, operation mode, cooling setpoint, and heating setpoint.
- When using the contacts, the fan speed as well as the Setback cooling and heating setpoints can be changed at any time, without losing changes.
- The fan speed is stored independently for the two main operation modes (Heating and Cooling). Separate fan speed settings are saved for Heating operation mode on the one hand, and Cooling, Dry and Fan only operation mode on the other hand.
- When closing the contact, changes made while the key card contact is open and the delay timer has not expired (normal operation) will not be saved.

Combination of window contact and key card contact logic

- The window contact has priority over the delay timer and the Setback functionality of the key card contact: When the window contact is opened while the key card contact is open, the delay timer will immediately expire if it is still running, and Setback will not work anymore. The reset timer will immediately start counting or will not reset when it was already running.
- The reset timer functionality of the key card contact has priority over the window contact when returning to the previous state: When the key card contact is opened while the window contact is open, the delay timer will start running. When the delay timer expires the reset timer will start running. When the reset timer expires, the previous state is updated to the "**Default Reset Setting**" state.

Example 1

1: You remove the key card.

Result: The indoor unit continues operating normally until the delay timer expires.

2: You open the window before the delay timer expires.

Result: The indoor unit stops immediately. It is not possible to turn the unit on or off, the Setback functionality does not work, the delay timer stops counting, and the reset timer starts counting.

3: You insert the key card again.

Result: An update of the previous state occurs. The unit is forced off and the Setback functionality is still disabled (see "Window contact logic").

IF the reset timer HAS NOT expired before inserting the key card, the previous state is the same as the original state because there was only a change to the original state. **IF** the reset timer HAS expired before inserting the key card, the previous state is the

"Default Reset Setting" state.

4: You close the window.

Result: The unit reverts to the previous state. The previous state depends on the expiration of the reset timer.

Example 2

1: You open the window.

Result: The unit stops immediately. It is not possible to turn the unit on or off with the ON/OFF button, the Setback functionality does not work, and the delay timer does not start counting.

2: You remove the key card.

Result: The delay timer starts counting.

3: You close the window again.

Result: There is no change in state. It is as if you never opened the window (Setback will work if enabled).

IF the delay timer HAS expired before closing the window, the reset timer will have started counting. Closing the window has no influence on the reset timer.

IF the delay timer HAS NOT expired before closing the window, it will expire immediately and the reset timer will start counting.

When the reset timer expires, the previous state is updated to the "Default Reset Setting" state.

4: You insert the key card again.

Result:

IF the reset timer HAS NOT expired before inserting the key card, the unit returns to the state before the window was opened (last "on" state);

IF the reset timer HAS expired before inserting the key card, the unit goes to the "Default Reset Setting" state.

Setting Up a Zigbee sensor

Follow the steps below to register the Zigbee sensor.

- 1. Establish a Bluetooth connection between the remote controller and the DAIKIN APP⁺¹
- 2. Tap "Add sensors" on the DAIKIN APP sensor registration screen to add the sensor"2
- 3. Factory default the Zigbee sensor*3
- 4. Tap "Refresh" on the DAIKIN APP sensor registration screen and confirm that the sensor has been registered²
- *1 For details, please refer to "Registering a sensor" in this manual.
- *2 For details, please refer to the DAIKIN APP manual.
- *3 For details, please refer to the Zigbee sensor manual.

Precautions when using sensors

- Up to 5 Zigbee sensors can be registered with 1 remote controller. Please note that any attempt to register 6 or more units will result in forced deregistration. Also, only one CO₂ sensor and Temperature/Humidity sensor may be registered. Please note that any attempt to register 2 or more units will result in forced deregistration.
- The maximum wireless range between the remote controller and a Zigbee sensor is about 10 m, as measured in a straight line without barriers. However, the maximum wireless range depends on set-up conditions and the surrounding environment.
- In the case of a forced deregistration, the remote controller will restart.
- If the Zigbee sensor cannot be registered, it may not be factory defaulted properly. Please check the Zigbee sensor manual.
- If sensor registration is performed on multiple remote controllers simultaneously, a Zigbee sensor could be registered with an unintended remote controller. When performing sensor registration, be sure to do so with one remote controller at a time, as a rule.
- The human detection and CO₂ sensors that are options for machines (indoor unit/total heat exchanger) cannot be used in conjunction with Zigbee sensors.
- There is no need to disable the remote controller thermostat or main body thermostat through local setting when Temperature/Humidity sensor interlocking control is in operation.
- The remote sensor cannot be used when Temperature/Humidity sensor interlocking control is in operation.
- Sensing sensor low mode/stop mode will not be functional when motion sensor interlocking control is in operation.
- The Zigbee CO₂ sensor is not capable of automatic ventilation control. For automatic ventilation control, install the total heat exchanger CO₂ optional sensor.
- The humidity value of the Temperature/Humidity sensor is only for display purposes and is not controlled. (However, interlocking control must be enabled in order for the humidity value to be displayed.)
- When setting up interlocking control with multiple Zigbee sensors, appropriate control responses and priorities must be set or the control may not work as intended. For details, refer to the DAIKIN APP manual.
- When the Zigbee sensor is registered and interlocking settings are made, the Zigbee icon will appear on the information screen of the remote controller.
- When deregistering a sensor, disable the interlocking setting first.

Registering a sensor

This section explains how to pair a Zigbee sensor with the remote controller. The Bluetooth setting screen can also be accessed from the installer screen. For details, please refer to "Overview of Screens" in this manual.



Press $\bigcirc \rightarrow \blacksquare \rightarrow \blacksquare$ (in that order) and hold them down for 5 seconds to display the Bluetooth setting screen.





Launch the DAIKIN APP and register the sensor. For details, refer to the DAIKIN APP manual.

Sensor interlocking settings

When the DAIKIN APP is used, the air conditioner can be controlled in accordance with data sent from the Zigbee sensor to the remote controller.

Sensor interlocking settings are saved in the remote controller, and when data is received from the Zigbee sensor, the Zigbee icon is displayed on the information screen.

Refer to the DAIKIN APP manual for more information on the interlocking settings that can made to the remote controller.

Troubleshooting

Trouble	Cause	Treatment
	Has the device been factory defaulted properly?	Please check the manual for each Zigbee sensor for how to factory default the device. * After registration, it may take about 30 seconds for the Zigbee sensor to appear on the DAIKIN APP screen.
	Is it registered with another remote controller?	Factory default the Zigbee sensor.
Cannot register sensor	Have you refreshed or redisplayed the screen?	Please refresh the DAIKIN APP registration screen again. If it still does not appear, close the registration screen and then open it again.
	Did you factory default the sensor after displaying the DAIKIN APP registration screen for a few minutes?	The DAIKIN APP registration screen has a timeout period. Please factory default the sensor after refreshing the DAIKIN APP registration screen, or closing and reopening the screen.
I cannot tell which Zigbee sensor is the one I registered/I want to register when looking at the app registration screen.	-	Check the MAC address in accordance with the Zigbee sensor manual.
"Low battery level" is displayed on the registration screen of the app.	Is the Zigbee sensor battery depleted?	Please replace the battery. Please refer to the Zigbee sensor manual for instructions on replacement.
The settings button for the CO ₂ sensor does not appear on the app	Is the connected device a supported model?	Please check with your dealer for supported models.
An unintended sensor	Are there any battery- loaded Zigbee sensors nearby?	Even if a Zigbee sensor has been deregistered it may get registered again when the registration screen is displayed on the app. Remove the battery before deregistering.
is registered	Are there any other people around you registering Zigbee sensors?	Sensor registration should be done one at a time, making sure there are no competing sensors around.
I cannot deregister the sensor	Is the battery still in the Zigbee sensor?	Be sure to remove the batteries from the Zigbee sensor to be deregistered before deregistering it.

Trouble	Cause	Treatment		
A connected sensor has suddenly stopped working	Did the remote controller reboot after a power failure or other event?	 Normally, the sensor will be reconnected after waiting for a while, but otherwise, the following operations on the registered sensor may resolve the problem. Temperature/Humidity sensor or CO₂ sensor: Pressing the button on the main unit. Door/Window sensor: Opening and closing the door, window, etc., on which the sensor is installed. Motion sensor: Holding your hand in front of the sensor. 		
The Zigbee icon is lit on the remote controller screen even though all sensors have been deregistered.	Did you disable interlocking before deregistering?	Be sure to confirm that interlocking is disabled before deregistering the sensor.		
	Has interlocking been configured correctly?	Be sure to not only perform sensor registration but to also configure interlocking for the registered sensor.		
Zigbee icon does not appear	Are you displaying the remote controller information screen?	The Zigbee icon displays on the remote controller information screen. Please refer to "Overview of Screens" in this manual for details on how to access the information screen.		
	Are Bluetooth connections with the DAIKIN APP disconnected?	The Zigbee icon will not be displayed while there is a Bluetooth connection, so please disconnect Bluetooth.		

Trouble	Cause	Treatment		
	Is the Zigbee sensor battery depleted?	Please replace the battery. Please refer to the Zigbee sensor manual for instructions on replacement.		
	Has the configured Zigbee sensor been factory defaulted?	Register the Zigbee sensor again.		
	Has the Zigbee sensor been installed in a location where its signals would be obstructed?	Check for obstructions and the positioning of the Zigbee sensor.		
Zigbee icon is blinking	Are you using any device that could interfere with the signal of the Zigbee sensor?	Check for the presence of such devices and thei positioning.		
	Is the Zigbee sensor positioned far from the remote controller unit?	Position within approx. 10 m with no obstructions.		
	Did you turn off the remote controller just before?	 The Zigbee icon may blink for a while after the power supply of the remote controller is restored. The following operations on the registered sensor may resolve the problem. Temperature/Humidity sensor or CO₂ sensor: Pressing the button on the main unit. Door/Window sensor: Opening and closing the door, window, etc., on which the sensor is installed. Motion sensor: Holding your hand in front of the sensor. 		
	Has interlocking been configured correctly?	Configure interlocking properly. For details, refer to the DAIKIN APP manual.		
Air conditioner is not	Did the operating state of the air conditioner change just before?	When the operation of the air conditioner is changed, it can take up to 30 minutes for interlocking control to start working.		
interlocking	-	When setting up interlocking control with multiple Zigbee sensors, interlocking control may not function as intended depending on control response and priority settings. For details, refer to the DAIKIN APP manual.		
Sensor view does not display Is "Sensor display screen" enabled in R/C setting?		Since sensor view is not displayed by default, it is necessary to change the local settings of the remote controller. For details, refer to "R/C Setting" in this manual.		

Trouble	Cause	Treatment
	Has the Zigbee sensor been configured correctly?	Check that the sensor is displayed on the registration screen of the app and that communication is possible.
	Have interlocking settings been configured correctly?	Just registering the sensor will not change the sensor value from "-". Be sure to set up sensor interlocking as well.
Sensor value is "-"	Have the display settings corresponding to the Zigbee sensor been configured correctly?	 Configure display settings for the corresponding sensor values via the remote controller. Please refer to "R/C setting method" in this manual for how to change remote controller settings. Each Zigbee sensor supports the following settings. Temperature/Humidity sensor: indoor temperature/indoor humidity CO2 sensor: CO2 concentration
	Did you turn off the remote controller just before?	Communication with the Zigbee sensor may fail for a while after the power supply of the remote controller is restored. Pressing the button on the body of the registered Temperature/Humidity sensor or CO ₂ sensor may restore the display.

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 from the installer screen. For details, please refer to "Overview of Screens" in this manual.



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 Philippines

For model: BRC1H63W



ESD-RCE-2231047

• In Singapore

For model: BRC1H63W

Complies with IMDA Standards N4050-22

• In Taiwan

For model: BRC1H63W

CCAM22LP1770T0

For model: BRC1H63K



For model: BRC1H63K

Complies with
IMDA Standards
N4051-22

For model: BRC1H63K

CCAM22LP1771T2

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• In India

For model: BRC1H63W

For model: BRC1H63K ETA-SD-20220907698

ETA-SD-20220907695

• In Thailand



• In Australia



• In New Zealand



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