DAIKIN

WIRED REMOTE CONTROLLER

INSTALLATION MANUAL

DAIKIN

Mode	▲	On/Off
	Menu / OK	
Fan Speed	▼	Cancel
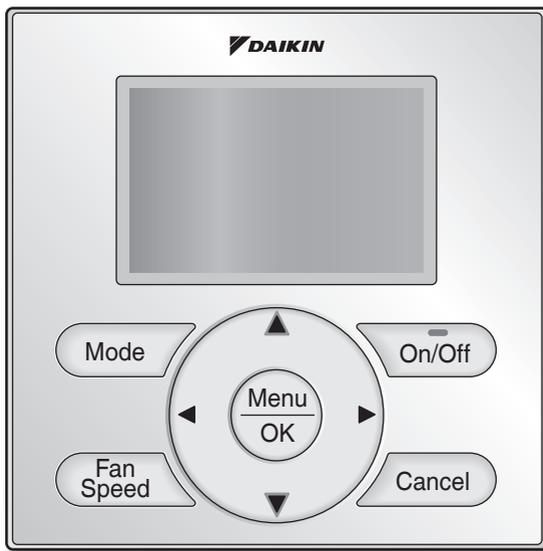
MODEL BRC1NRV71

Be sure to read this installation manual before installing this product.

Veillez à lire ce manuel d'installation avant d'installer ce produit.

Asegúrese de leer este manual de instalación antes de instalar este producto.

Contents

1. Safety Considerations

The original instructions are written in English. All other languages are translations of the original instructions.

All phases of the field-installation, including, but not limited to, electrical, piping, safety, etc. must be in accordance with manufacturer's instructions and must comply with national, state, provincial and local codes.

Read these **SAFETY CONSIDERATIONS** carefully before installing the remote controller.

After completing the installation, ensure that the remote controller operates properly during the startup operation.

Train the customer to operate and maintain the remote controller. Inform customers that they should store this Installation Manual with the Operation Manual for future reference.

Always use a licensed installer or contractor to install this product. Improper installation can result in electrical shock, fire, or explosion.

Meanings of **WARNING, CAUTION**, and **NOTE** Symbols.

⚠ **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.
⚠ **NOTE**	Indicates situations that may result in equipment or property-damage accidents only.

⚠ **WARNING**
Only qualified personnel must carry out the installation work.
Consult your Daikin dealer regarding relocation and reinstallation of the remote controller. Improper installation work may result in electric shocks or fire.
Electrical work must be performed in accordance with relevant local and national regulations and with instructions in this installation manual. Improper installation may cause electrical shocks or fire.
Use only specified accessories and parts for installation work. Failure to use specified parts may result in electric shocks, fire, or the unit falling.
Do not disassemble, reconstruct, or repair. Electric shock or fire may occur.
Make sure that all wiring is secured, that specified wires are used, and that no external forces act on the terminal connections or wires. Improper connections or installation may result in fire.
Before touching electrical parts, confirm the power-off to the unit.

⚠ CAUTION

Keep water out of the remote controller.
To avoid electric shock due to entry of water or insects, fill the wiring through-hole with putty.
Do not wash the remote controller with water as it may result in electrical shocks or fire.

Do not touch the remote controller buttons with wet fingers.
Touching the buttons with wet fingers can cause an electric shock.

Do not install the remote controller in the following locations:
(a) Where a mineral oil mist or oil spray or vapor is produced, for example, in a kitchen.
    Plastic parts may deteriorate.
(b) Where corrosive gas, such as sulfurous acid gas, is produced.
(c) Near machinery emitting electromagnetic waves.
    Electromagnetic waves may disturb the operation of the control system and cause the unit to malfunction.
(d) Where flammable gas may leak, where there is carbon fiber or ignitable dust suspensions in the air, or where volatile flammables such as thinner or gasoline are handled.
    Operating the unit in such conditions can cause a fire.
(e) High temperature area or direct flame.
    Overheating and/or fire can occur.
(f) Moist area, where there is exposure to water. If water enters the inside of the remote controller, it may cause electric shock and electrical components may fail.

⚠ NOTE

Install the control wires for the unit and the remote controller at least 3.5 feet (1 meter) away from televisions or radios to prevent image interference or noise. Depending on the radio waves, a distance of 3.5 feet (1 meter) may not be sufficient to eliminate the noise.

When remote controller's temperature sensor is used, select the installation location as per the following:
• A place where average temperature in the room can be detected.
• A place where it is not exposed to direct sunlight.
• A place where it is far away from any heat source.
• A place where it is not affected directly by outside air.

2. Accessories

The following accessories are included.

Drywall screw	Drywall anchor	Wire tie	Operation manual	Installation manual	Wiring retainer
(2 pcs.)	(2 pcs.)	(1 pc.)	(1 pc.)	(1 pc.)	(1 pc.)

3. Remote Controller Installation Procedure

3-1 Determine where to install the remote controller.

Make sure to follow the **Safety Considerations** when determining the location.

3-2 If the control wire for the remote controller is to be routed from the rear, consider the location of the access hole in the lower case for making a hole in the wall.

[Unit : inch (mm)]

External view of the remote controller

φ 5/16 to 3/8 (8 to 10)
Align the center of the wall hole with the center of the access hole on the controller lower case when planning the installation.

Lower case
Through-hole

1-9/16 (40)

1-15/16 (48.5)

Access hole
φ 5/16 to 3/8 (8 to 10)

⚠ NOTE

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

3-3 Remove upper case.

Insert a screwdriver in the recess of lower case to remove the upper case (2 points).

Remote controller printed-circuit board is installed on the upper case. Be careful not to damage the printed-circuit board with the screwdriver.

Be careful not to let dust or moisture touch the printed-circuit board.

Upper case

Screwdriver

Lower case

Insert and twist the screwdriver lightly for removal.

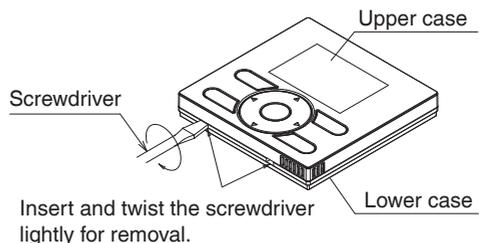## 3-4 Determine the location where the wiring will enter the remote controller (back, left side, top left, top center).

3-4-1 Back outlet
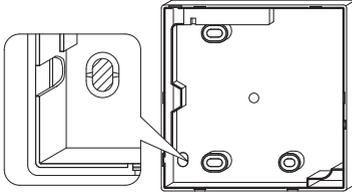
Cut off resin area (notched area).

3-4-2 Left outlet
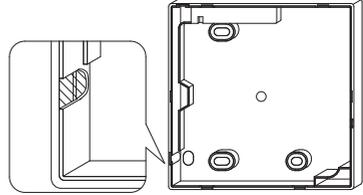
Cut the plastic at the notched area and remove any remaining burrs.

3-4-3 Top left outlet
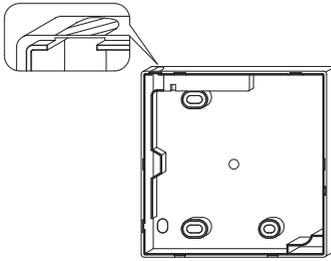
Cut the plastic at the notched area and remove any remaining burrs.

3-4-4 Top center outlet
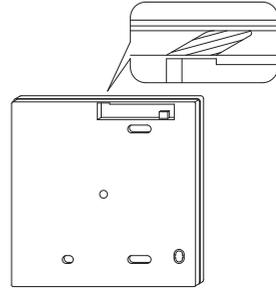
Cut the plastic at the notched area and remove any remaining burrs.

3-5 Install wiring.

⚠ NOTE

1. Switch box and control wiring are filed supplied.
2. Do not touch the remote controller printed-circuit board.

Wiring Specifications

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:

Approx. 3/8 inch (10 mm)

Remove the wire jacket and insulation

To simplify the wiring, maintain a 3/8 inch (10 mm) difference between the length of the two conductors.

Cutting guideline
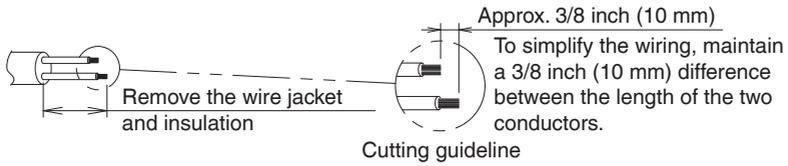
Length of jacket to be removed:
• Approx. 6 inch (150 mm) for top left outlet
• Approx. 8 inch (200 mm) for top center outlet

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

3-5-1 Back outlet

To the unit
P1 P2

Lower case

Upper case

Printed-circuit board

Wire tie

Wire tie

Cross-section A - A

Secure the wire at the attachment point by using furnished wire tie.

Wire attachment point

<Wire attachment guideline>

3-5-2 Left outlet

To the Unit
P1 P2

Upper case

Printed-circuit board

Lower case

3-5-3 Top left outlet

Wiring retainer

Wiring retainer   Upper case

Wire

Cross-section B - B

As shown to the left, install the furnished wiring retainer to prevent the wires from being pinched during installation.

To the Unit
P1 P2

Upper case

Printed-circuit board

Lower case

3-5-4 Top center outlet

To the Unit
P1 P2

Wiring retainer

Lower case

Upper case

Printed-circuit board

⚠ **NOTE**

• To prevent electrical noise and possible communication errors, avoid installing the remote controller wiring parallel to or in the vicinity of line voltage circuits.

3-6 Installation procedure for the lower case.

When wiring the remote controller through the top center or rear access points, attachment of the wire to the lower case is required before it is wall mounted. Closely follow the wiring procedures.

3-6-1 Wall installation

Secure by using furnished drywall anchors and screws (2 pcs.).

Drywall anchors

Drywall screws
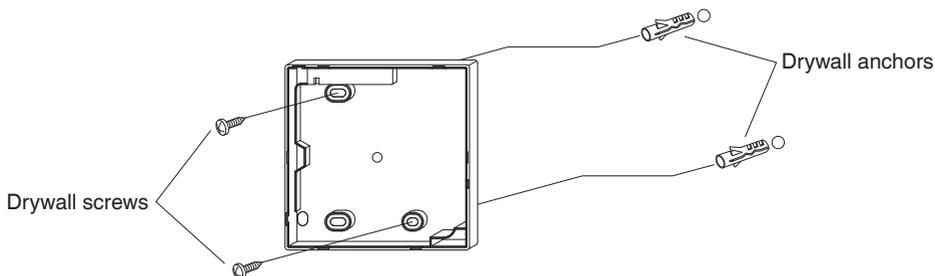
3-6-2 Switch box installation

Secure by using field supplied machine screws (2 pcs.).

[Unit : inch (mm)]

Switch box
(field supply) or
(use optional accessory KJB211A)

Switch box

3-5/16 (84)

1-13/16
(46)

Machine screws (field supply) or
(use optional accessory KJB211A)
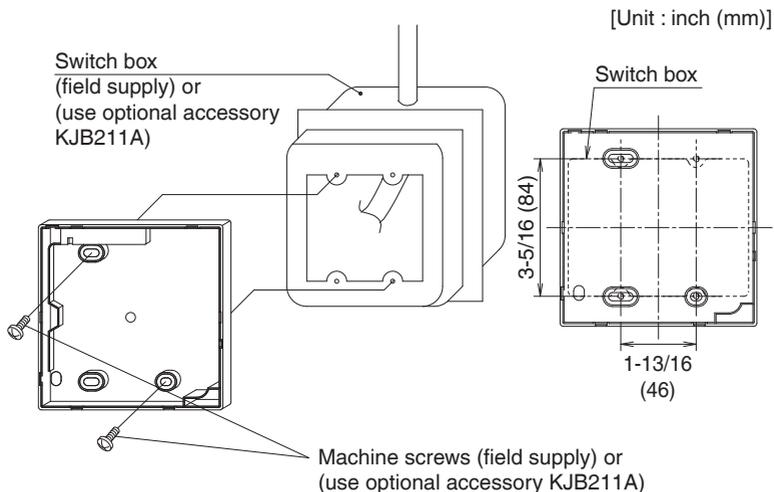
⚠ **NOTE**

• Install the control on a flat surface only.
• To prevent deformation of the lower case, avoid over-tightening the installation screws.

3-7 Install the upper case.

- Align the upper case with tabs of the lower case (6 points), insert and install the upper case.
- Install the wiring with care to prevent pinching.
- Peel off the protective membrane which overlays the upper case.
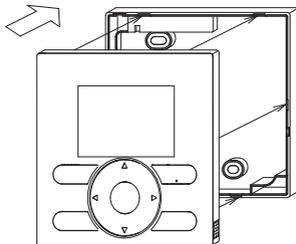
4. Functions and Menu Items of Remote Controller Buttons

4-1 Functions and menu items

(1) Operation mode selector button
(11) LCD (with backlight)
(4) Up button ▲
(5) Down button ▼
(6) Right button ▶
(7) Left button ◀
(9) Operation lamp
(8) On/Off button
(3) Menu/OK button
(10) Cancel button
(2) Fan speed control button
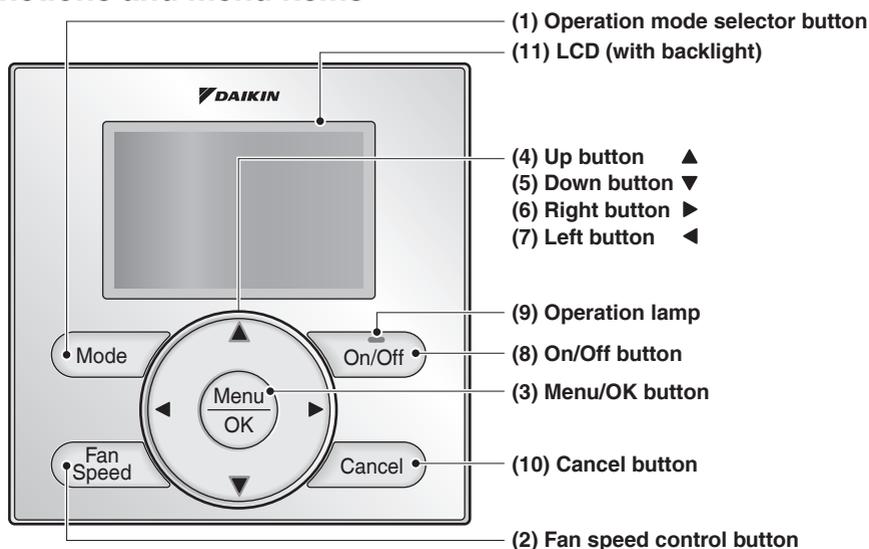
(1) Operation mode selector button
Used to change the mode.

(2) Fan speed control button
Used to change the fan control.

(3) Menu/OK button
- Used to access the main menu.
  (For details of the main menu, see the operation manual.)
- Used to enter the item selected.

Main Menu

CO2 Monitoring
∗Humidity
∗Airflow Direction
∗Individual Airflow Direction
∗Ventilation
 Schedule
 Override
∗Optimum Start/Stop
 Celsius / Fahrenheit
 Filter Auto Clean
 Maintenance Information
 Configuration
 Current Settings
 Clock & Calendar
 Daylight Saving Time
 Language

∗Depending on connected model

(4) Up button ▲
- Used to raise the setpoint temperature.
- The previous menu items will be highlighted.
  (The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

(5) Down button ▼
- Used to lower the setpoint temperature.
- Items below the currently selected item will be highlighted.
  (The highlighted items will be scrolled continuously when the button is pressed continuously.)
- Used to change the selected item.

(6) Right button ▶
- Used to highlight items to the right of the currently selected item.
- Display contents are changed to next screen per page.

(7) Left button ◀
- Used to highlight items to the left of the currently selected item.
- Display contents are changed to previous screen per page.

(8) On/Off button
Press once to operate, and press once again to stop.

(9) Operation lamp
Green lamp lights up during operation. The lamp will flash if a malfunction occurs.

(10) Cancel button
- Used to return to the previous screen.
- Press and hold this button for 4 seconds or longer to display service settings menu.

(11) LCD (with backlight)
The backlight will illuminate for approximately 30 seconds by pressing any operation button.

Service Settings menu

Test Operation
Maintenance Contact
*Blower Speed
Field Settings
*Energy Saving Options
Prohibit Function
Min Setpoints Differential
*Outdoor unit AirNet Address
*Unit Operation Hours
Error History
*Indoor Unit Status
*Outdoor Unit Status
*Unit Status
Forced Fan ON
Switch Main Sub Controller
Filter Indicator
*Brush/Filter Ind.
*Disable Filter Auto Clean

*Depending on connected model

⚠ NOTE

- Operate the button while the backlight is illuminated.
- When one indoor unit or rooftop unit is controlled by two remote controllers (main / sub) only the first controller to be accessed by the user will illuminate it's backlight.

4-2 Button menu display descriptions

<Service settings menu screen>

Service Settings	1/3
Test Operation	
Maintenance Contact	
Field Settings	
Energy Saving Options	
Prohibit Function	
Min Setpoints Differential	
Setting	⇕
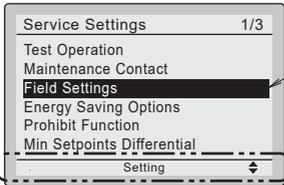
Highlighted display (selected items)

In the highlighted display (selected items) setting screen, button operation descriptions are displayed.

5. Power-on

- Check for completion of indoor/outdoor unit wiring (SkyAir and VRV only).
- Ensure that covers have been replaced on electrical component boxes for all units prior to restoring power.

⚠ NOTE

If construction activities are planned within the space following the test operation procedure, recommend to the customer that the unit is not operated to prevent contamination from paints, drywall dust and other airborne materials.

5-1 The following message is displayed after power-on. **Checking the connection. Please stand by.**

When the above message is displayed, the backlight will not be ON.

In the case that 1 indoor unit or 1 rooftop unit is controlled by 2 remote controllers:

Make sure to set the sub remote controller when the above message is displayed. Hold **Mode** button for 4 seconds or longer to set.

When the display is changed from "Main RC" to "Sub RC" the setting is completed.
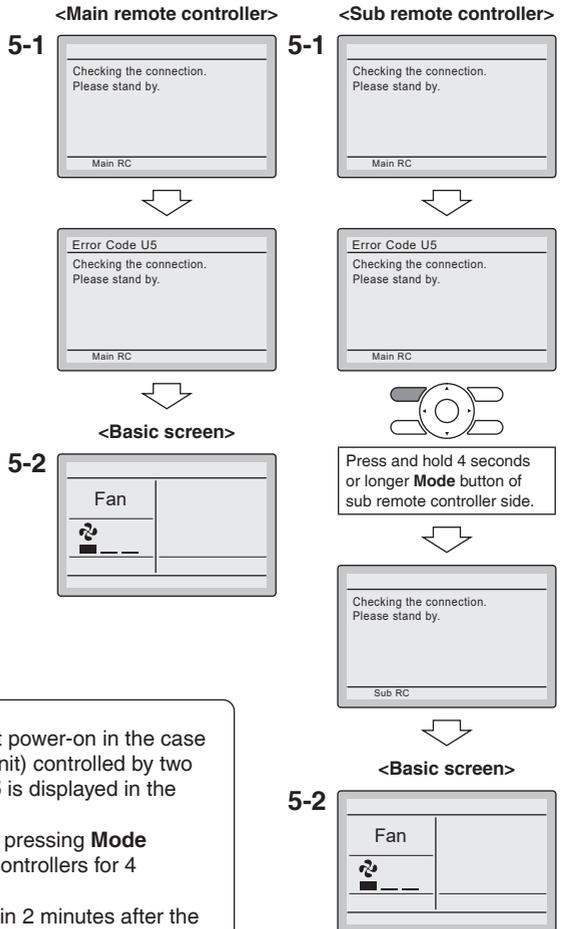
5-2 Basic screen is displayed.

NOTE

If sub remote controller is not set at power-on in the case of one indoor unit (or one rooftop unit) controlled by two remote controllers, **Error Code: U5** is displayed in the connection checking screen.

Select the sub remote controller by pressing **Mode** button of either one of the remote controllers for 4 seconds or longer.

If the basic screen is not displayed in 2 minutes after the "Sub RC" is displayed, shut off the power supply and check the wiring.

NOTE

When selecting a different language, refer to **Chapter 12**. **Language**.

<Main remote controller>

5-1

Checking the connection.
Please stand by.

Main RC

⬇

Error Code U5
Checking the connection.
Please stand by.

Main RC

⬇

<Basic screen>

5-2

Fan
🌀
■ _ _

<Sub remote controller>

5-1

Checking the connection.
Please stand by.

Main RC

⬇

Error Code U5
Checking the connection.
Please stand by.

Main RC

⬇

Press and hold 4 seconds or longer **Mode** button of sub remote controller side.

⬇

Checking the connection.
Please stand by.

Sub RC

⬇

<Basic screen>

5-2

Fan
🌀
■ _ _

6. Field Settings

- There are 2 setting ways for field settings when the unit is group controlled. One is individual setting, and another is group setting.
- Group Control is only for VRV and SkyAir.

6-1 Press and hold **Cancel** button for 4 seconds or longer. Service settings menu is displayed.

6-2 Select Field Settings in the Service settings menu, and press **Menu/OK** button. Field settings screen is displayed.

6-3 Highlight the mode, and select desired "Mode No." by using ▲▼ (Up/Down) button.
   ∗ Depending on the mode number, sub mode number is displayed. See the unit's manual for details.

6-4 In the case of setting per unit during group control (When Mode No. such as 20 , 21 , 22 , 23 , 25 are selected), highlight the unit No. and select "Unit No." to be set by using ▲▼ (Up/Down) button.
(In the case of group setting, this operation is not needed.)

> In the case of individual setting per unit, current settings are displayed. And, SECOND CODE NO. " - " means no function.

6-5 Highlight SECOND CODE NO. of the FIRST CODE NO. to be changed, and select desired "SECOND CODE NO." by using ▲▼ (Up/Down) button. Multiple identical mode number settings are available.

> In the case of setting for all units in the remote control group, available SECOND CODE NO. is displayed as " ∗ " which means it can be changed. When SECOND CODE NO. is displayed as " - ", there is no function.

<Basic screen>

6-1

Fan	
♺	
■ _ _	

Press and hold **Cancel** button for 4 seconds or longer during backlight lit.

<Service settings menu screen>

6-2

Service Settings   1/3
Test Operation
Maintenance Contact
Field Settings
Energy Saving Options
Prohibit Function
Min Setpoints Differential
.   Setting   ◆
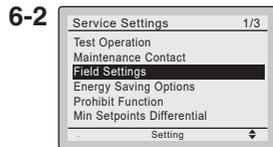
Press **Menu/OK** button.

<Service settings screen>

In the case of individual setting per unit

6-3
6-4
6-5

Field Settings
Unit No   Mode
0   20   -1
0–01   1–01   2–02   3–01
4–––   5–––   6–––   7–––
8–––   9–––   10––– 11–––
12––– 13––– 14––– 15–––
.   Setting   ◀◆▶

MODE   SUB-MODE
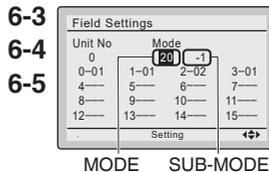
In the case of group total setting

6-3
6-5

Field Settings
                Mode
                10
0–01   1–∗   2–∗   3–∗
4–∗   5–∗   6––– 7–––
8–––   9–∗   10––– 11–––
12–∗   13––– 14––– 15–––
.   Setting   ◀◆▶

SECOND CODE NO.
FIRST CODE (SW) NO.
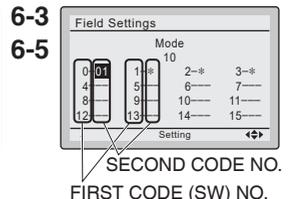
Press **Menu/OK** button.

6-6 Press **Menu/OK** button. Setting confirmation screen is displayed.

6-7 Select Yes and press **Menu/OK** button. Setting details are determined and field settings screen returns.

6-8 In the case of multiple setting changes, repeat "**6-3**" to "**6-7**".

6-9 After all setting changes are completed, press **Cancel** button twice.

6-10 Backlight goes out, and [**Checking the connection. Please stand by.**] is displayed for initialization. After the initialization, the basic screen returns.

<Setting confirmation screen>

Field Settings
Save the settings?

Yes   No

Setting ▶

Press **Menu/OK** button.

Setting confirmation

NOTE

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

Mode No. (Note 1)	First Code No.	Description	Second Code No. (Note 2) (Items in bold are factory default settings)												
			01	02	03	04	05	06	07	08	09	10	11	12	13
1b	7	Standby display for Defrost/Hot start/Oil return	Displayed	Not Displayed	—	—	—	—	—	—	—	—	—	—	—
	11	Clock display on detailed screen	Displayed	Not Displayed	—	—	—	—	—	—	—	—	—	—	—
	12	Setting temperature display when stopped	Displayed	Not Displayed	—	—	—	—	—	—	—	—	—	—	—
	13	Operation mode display when stopped	Displayed	Not Displayed	—	—	—	—	—	—	—	—	—	—	—
	15	Air volume/FAN operation icon display	Displayed	Not Displayed	—	—	—	—	—	—	—	—	—	—	—
	1	Thermistor sensor for auto changeover and setback control by the remote controller	Utilize the return air thermistor	Utilize the remote controller thermistor	—		—		—		—		—		—	
	3	Access permission level setting	Level 2	Level 3	—	—	—	—	—	—	—	—	—	—	—
1c	10	Remote controller thermostat offset (Main RC, Auto mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
	11	Remote controller thermostat offset (Sub RC, Auto mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
	12	Remote controller thermostat offset (Main RC, Cool mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
	13	Remote controller thermostat offset (Main RC, Heat mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
	14	Remote controller thermostat offset (Sub RC, Cool mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
	15	Remote controller thermostat offset (Sub RC, Heat mode) (Note 3)	−5.4F (−3.0C)	−4.5F (−2.5C)	−3.6F (−2.0C)	−2.7F (−1.5C)	−1.8F (−1.0C)	−0.9F (−0.5C)	±0.0F (±0.0C)	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	4.5F (2.5C)	5.4F (3.0C)
1e	2	Setback availability	N/A	Heat only	Cool only	Cool/Heat	—	—		—		—		—		—
	11	Cooling/Heating switching guard timer setting	15min	30min	60min	90min	—	—		—		—		—		—
	12	Cooling/Heating auto switching temperature	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	—	—		—		—		—		—
	13	Cooling/Heating immediate switching temperature	0.9F (0.5C)	1.8F (1.0C)	2.7F (1.5C)	3.6F (2.0C)	—	—		—		—		—		—

Notes) 1. Field settings are normally applied to the entire remote control group, however if individual indoor units in the remote control group require specific settings or for confirmation that settings have been established, utilize the mode number in parenthesis.
2. Any features not supported by the connected unit will not be displayed.
3. If different offset values are set for cooling and heating modes, the following issues may occur in auto operation mode:
- The indoor unit may switch more frequently between cooling/heating modes
- The indoor unit may switch less frequently between cooling/heating modes
- Setback on/off may happen more frequently
- Setback on/off may happen less frequently
To avoid these issues, set the offset values for auto mode.

7. Setting Addresses

- This section describes how to set Group Address, Indoor unit Airnet Address, Outdoor unit Airnet Address, Indoor unit Label and Outdoor unit Label.

7-1 Group Address (Group) for VRV

This menu is displayed when multizone controller or BACnet MS/TP adaptor is connected.

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Group Address in the Service settings menu, and press **Menu/OK** button.
Group Address screen is displayed.

3. Select Group Address (Group) and press **Menu/OK** button.

4. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

5. Select the address you want to set by using ▲▼ buttons.

6. Press **Menu/OK** button.
The indication changes from "Release" to "Set", then the group address is set.

1 <Basic screen>

<Service settings menu screen>

2
```
Service Settings          1/3
Test Operation
Maintenance Contact
Field Settings
Min Setpoints Differential
Group Address
Indoor unit Airnet Address
-        Setting            ⬍
```
Press **Menu/OK** button.

3
```
Group Address
Group Address (Group)
Group Address (Unit)



-        Setting            ⬍
```
Press **Menu/OK** button.

4
```
Group Address (Group)
Gr Addr.    Set

         1-00


         Release
```
Press **Menu/OK** button.

5,6
```
Group Address (Group)
Gr Addr.    Release

         1-00


         Change             ⬍
```
Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.
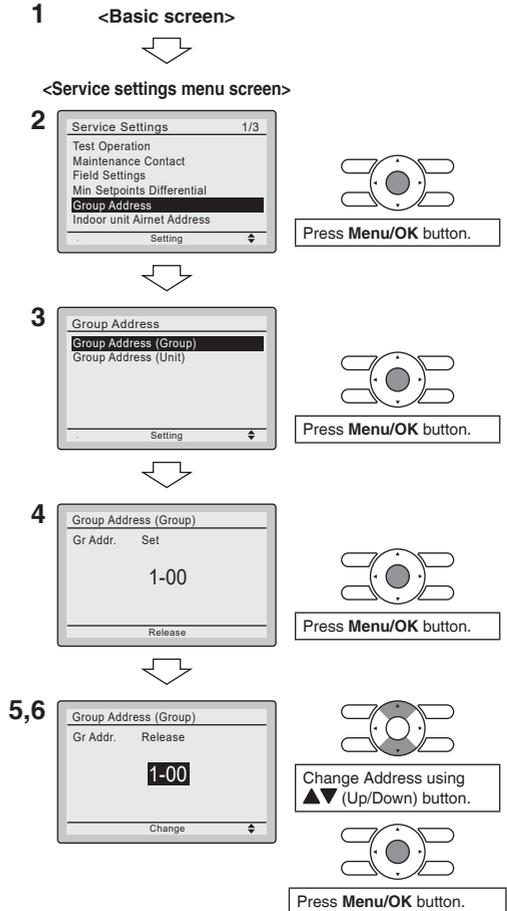
7-2 Group Address (Unit) (VRV only)

This menu is displayed when multizone controller or BACnet MS/TP adaptor is connected.

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Group Address in the Service settings menu, and press **Menu/OK** button.
Group Address screen is displayed.

3. Select Group Address (Unit) and press **Menu/OK** button.

4. Select the Unit No. you want to set by using ▲▼ buttons.

5. Press ▶ button to move to Gr. Addr.

6. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

7. Select the address you want to set by using ▲▼ buttons.

8. Press **Menu/OK** button.
The indication changes from "Release" to "Set", then the group address is set.

1 <Basic screen>

<Service settings menu screen>

2
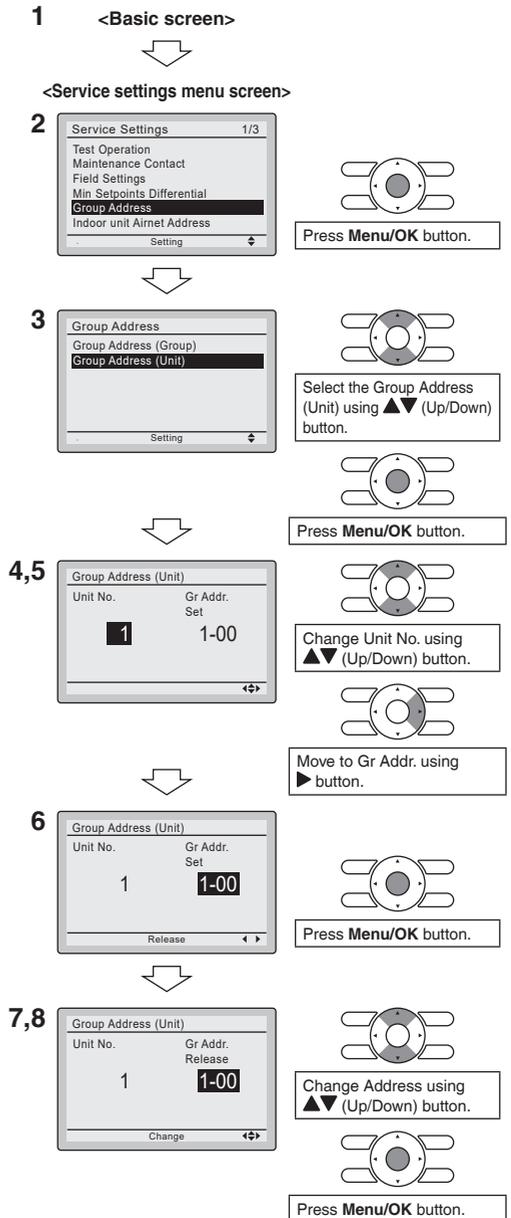| Service Settings	1/3
Test Operation	
Maintenance Contact	
Field Settings	
Min Setpoints Differential	
Group Address	
Indoor unit Airnet Address	
Setting	⬍

Press **Menu/OK** button.

3
Group Address	
Group Address (Group)	
Group Address (Unit)	
Setting	⬍

Select the Group Address (Unit) using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

4,5
Group Address (Unit)	
Unit No.	Gr Addr.
	Set
1	1-00
	◀⬍▶

Change Unit No. using ▲▼ (Up/Down) button.

Move to Gr Addr. using ▶ button.

6
Group Address (Unit)	
Unit No.	Gr Addr.
	Set
1	1-00
Release	◀ ▶

Press **Menu/OK** button.

7,8
Group Address (Unit)	
Unit No.	Gr Addr.
	Release
1	1-00
Change	◀⬍▶

Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

7-3 Indoor unit Airnet Address (VRV only)

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Indoor unit Airnet Address in the Service settings menu, and press **Menu/OK** button.
Indoor unit Airnet Address screen is displayed.

3. Select the Unit No. you want to set by using ▲▼ buttons.

4. Press ▶ button to move to Address.

5. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

6. Select the address you want to set by using ▲▼ buttons.

7. Press **Menu/OK** button.
The indication changes from "Release" to "Set", then the Indoor unit Airnet Address is set.

1   <Basic screen>

⬇

<Service settings menu screen>

2

Service Settings	1/3
Test Operation	
Maintenance Contact	
Field Settings	
Min Setpoints Differential	
Group Address	
Indoor unit Airnet Address	
Setting	⬍

Press **Menu/OK** button.

⬇

3,4

Indoor unit Airnet Address	
Unit No.	Address
	Set
0	001
	◀⬍▶

Change Unit No. using ▲▼ (Up/Down) button.

Move to Address using ▶ button.

⬇

5

Indoor unit Airnet Address	
Unit No.	Address
	Set
1	**001**
Release	◀ ▶

Press **Menu/OK** button.

⬇

6,7

Indoor unit Airnet Address	
Unit No.	Address
	Release
1	**001**
Change	◀⬍▶

Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

7-4 Outdoor unit Airnet Address (VRV only)

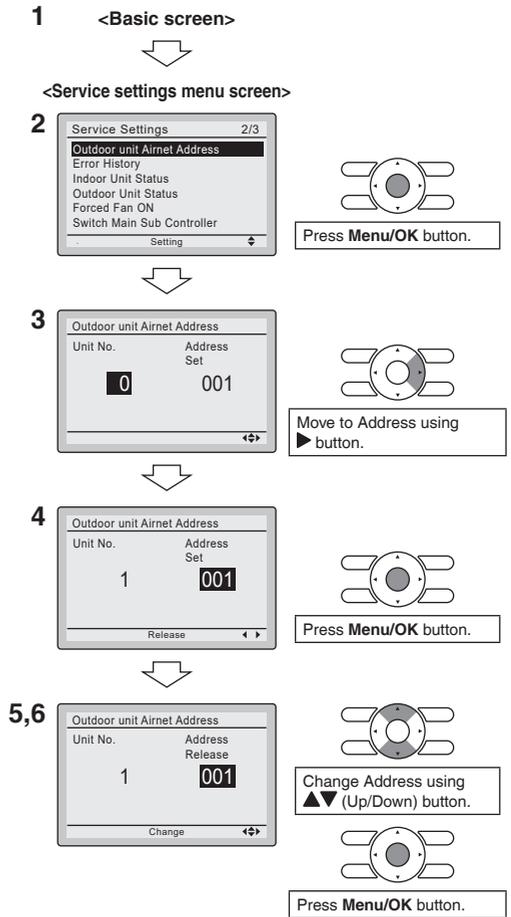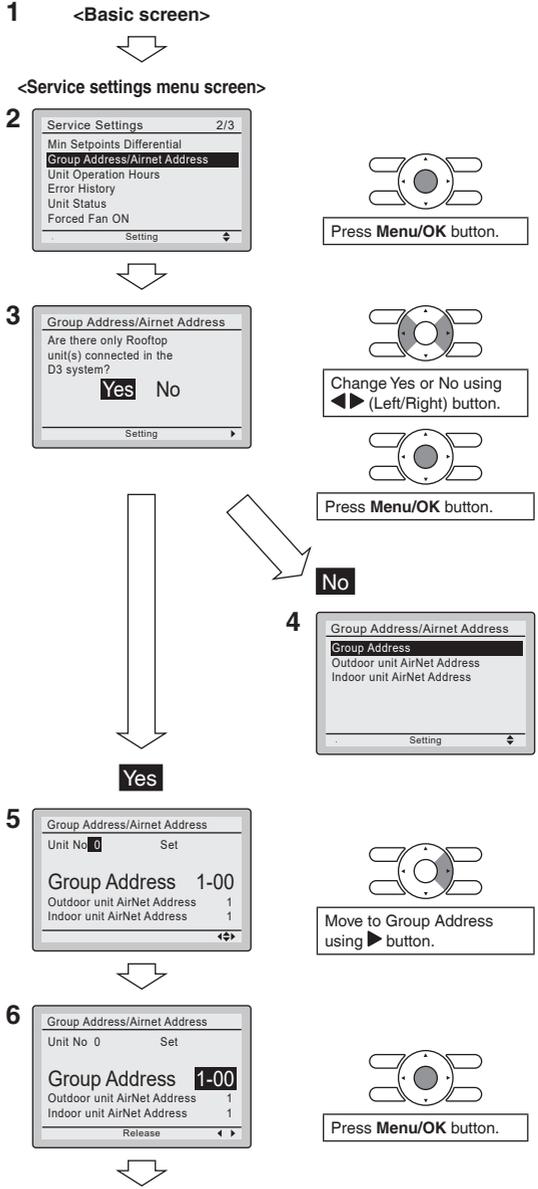This address menu is displayed when the Outdoor unit is recognized from the indoor unit.

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Outdoor unit Airnet Address in the Service settings menu, and press **Menu/OK** button. Outdoor unit Airnet Address screen is displayed.

3. Press ▶ button to move to Address.

4. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

5. Select the address you want to set by using ▲▼ buttons.

6. Press **Menu/OK** button. The indication changes from "Release" to "Set", then the Outdoor unit Airnet Address is set.

1 <Basic screen>

<Service settings menu screen>

2
```
Service Settings          2/3
Outdoor unit Airnet Address
Error History
Indoor Unit Status
Outdoor Unit Status
Forced Fan ON
Switch Main Sub Controller
-           Setting         ⇕
```
Press **Menu/OK** button.

3
```
Outdoor unit Airnet Address
Unit No.      Address
                 Set
    0            001
                           ◀⇕▶
```
Move to Address using ▶ button.

4
```
Outdoor unit Airnet Address
Unit No.      Address
                 Set
    1            001
         Release        ◀ ▶
```
Press **Menu/OK** button.

5,6
```
Outdoor unit Airnet Address
Unit No.      Address
               Release
    1            001
         Change        ◀⇕▶
```
Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

7-5 Group Address/Airnet Address (Rooftop unit only)

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Group Address/ Airnet Address in the Service settings menu, and press **Menu/OK** button. Group Address/Airnet Address screen is displayed.

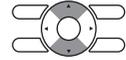**3.** If there are only rooftop units connected in D3 system, select Yes , If no, Select No .

> If the rooftop unit has just been turned on and is preparing for communication, Step 3 will not appear. And goes to Step 4 directly.

4. Individual addresses can be set via No.4 screen on this page. Details of the setting procedures refer to 7-1 to 7-4. (See page 17-20.)

5. Press ▶ button to move to Group Address.

6. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

1   <Basic screen>

<Service settings menu screen>

2

Service Settings	2/3
Min Setpoints Differential	
Group Address/Airnet Address	
Unit Operation Hours	
Error History	
Unit Status	
Forced Fan ON	
Setting	⇕

Press **Menu/OK** button.

3

Group Address/Airnet Address
Are there only Rooftop unit(s) connected in the D3 system?
Yes No
Setting   ▶

Change Yes or No using ◀▶ (Left/Right) button.

Press **Menu/OK** button.

No

4

Group Address/Airnet Address
Group Address
Outdoor unit AirNet Address
Indoor unit AirNet Address
.   Setting   ⇕

Yes

5

Group Address/Airnet Address
Unit No 0   Set
Group Address   1-00
Outdoor unit AirNet Address   1
Indoor unit AirNet Address   1

Move to Group Address using ▶ button.

6

Group Address/Airnet Address
Unit No 0   Set
Group Address   1-00
Outdoor unit AirNet Address   1
Indoor unit AirNet Address   1
Release   ◀ ▶

Press **Menu/OK** button.

7. Select the address you want to set by using ▲▼ buttons.

8. Press **Menu/OK** button. The indication changes from "Release" to "Set", then addresses are set.

7,8

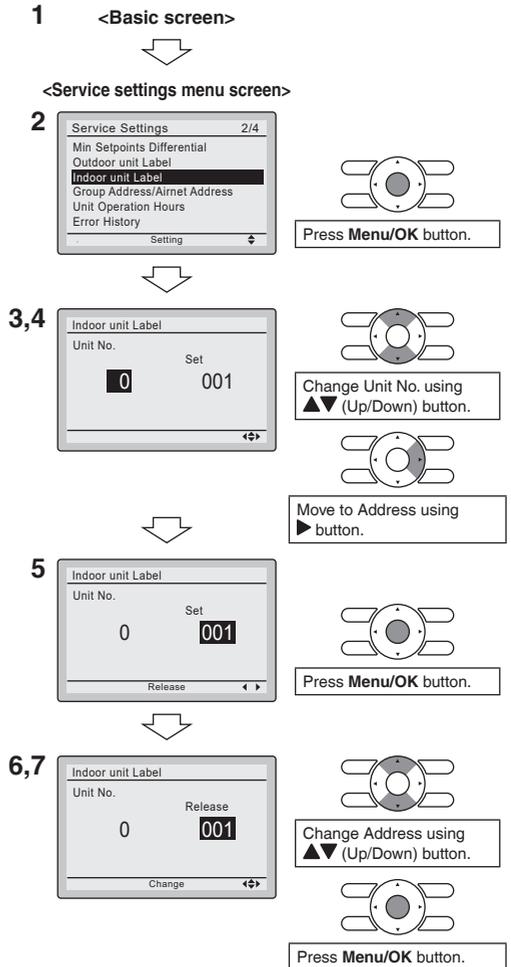| Group Address/Airnet Address	
Unit No 0	Release
Group Address	1-00
Outdoor unit AirNet Address	1
Indoor unit AirNet Address	1
Change	◄◆►

Change Address using ▲▼ (Up/Down) button.

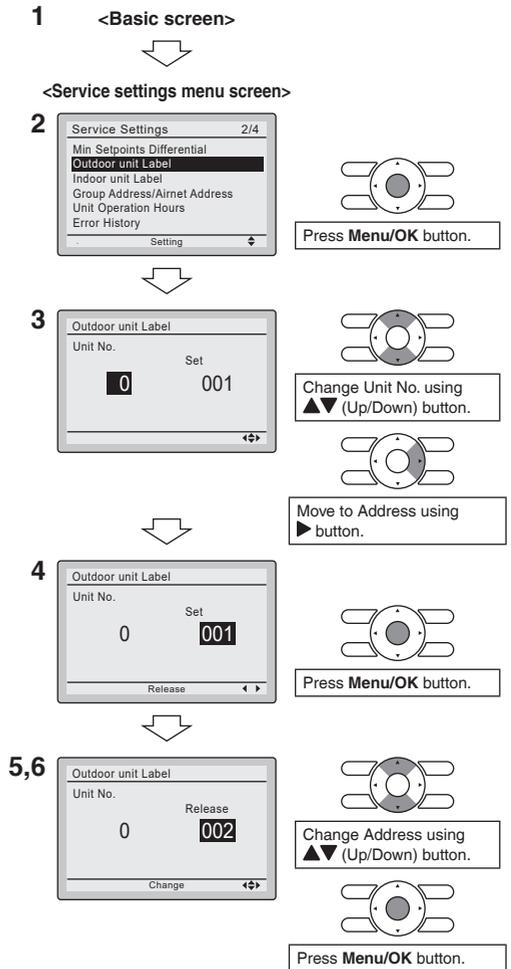Press **Menu/OK** button.

7-6 Indoor unit Label (VRV only)

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Indoor unit Label in the Service settings menu, and press **Menu/OK** button. Indoor unit Label screen is displayed.

3. Select the Unit No. you want to set by using ▲▼ buttons.

4. Press ▶ button to move to Address.

5. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

6. Select the address you want to set by using ▲▼ buttons.

7. Press **Menu/OK** button. The indication changes from "Release" to "Set", then the Indoor unit Label is set.

1   **<Basic screen>**

⬇

<Service settings menu screen>

2

Service Settings	2/4
Min Setpoints Differential	
Outdoor unit Label	
Indoor unit Label	
Group Address/Airnet Address	
Unit Operation Hours	
Error History	
Setting	⬍

Press **Menu/OK** button.

⬇

3,4

Indoor unit Label
Unit No.
0   Set   001
◀⬍▶

Change Unit No. using ▲▼ (Up/Down) button.

Move to Address using ▶ button.

⬇

5

Indoor unit Label
Unit No.
0   Set   **001**
Release   ◀ ▶

Press **Menu/OK** button.

⬇

6,7

Indoor unit Label
Unit No.
0   Release   **001**
Change   ◀⬍▶

Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

7-7 Outdoor unit Label (VRV only)

This address menu is displayed when the Outdoor unit is recognized from the indoor unit.

1. Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

2. Select Outdoor unit Label in the Service settings menu, and press **Menu/OK** button. Outdoor unit Label screen is displayed.

3. Press ▶ button to move to Address.

4. If an address is already "Set", press **Menu/OK** button to release the current address setting. The mode indication changes from "Set" to "Release", and you are now ready to change the address.

5. Select the address you want to set by using ▲▼ buttons.

6. Press **Menu/OK** button. The indication changes from "Release" to "Set", then the Outdoor unit Label is set.

1 **<Basic screen>**

<Service settings menu screen>

2
```
Service Settings            2/4
Min Setpoints Differential
Outdoor unit Label
Indoor unit Label
Group Address/Airnet Address
Unit Operation Hours
Error History
-           Setting          ⬍
```

Press **Menu/OK** button.

3
```
Outdoor unit Label
Unit No.
                    Set
   0               001
                         ◀⬍▶
```

Change Unit No. using ▲▼ (Up/Down) button.

Move to Address using ▶ button.

4
```
Outdoor unit Label
Unit No.
                    Set
   0               001
         Release         ◀ ▶
```

Press **Menu/OK** button.

5,6
```
Outdoor unit Label
Unit No.
                  Release
   0               002
         Change          ◀⬍▶
```

Change Address using ▲▼ (Up/Down) button.

Press **Menu/OK** button.

8. Procedure for Checking Error History

8-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

8-2 Select Error History in the service settings menu, and press **Menu/OK** button. The error history menu screen is displayed.

8-3 Select RC Error History in the error history menu, and press **Menu/OK** button.
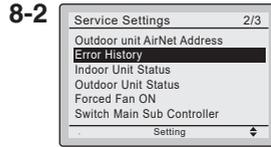Error codes and unit No. can be confirmed in the RC error history screen.

8-4 In the error history, the 10 most recent items are displayed in order of occurrence.

8-5 Press **Cancel** button in the RC error history screen 3 times.
The basic screen returns.

8-1   **<Basic screen>**

<Service settings menu screen>

8-2

Service Settings	2/3
Outdoor unit AirNet Address	
Error History	
Indoor Unit Status	
Outdoor Unit Status	
Forced Fan ON	
Switch Main Sub Controller	
Setting	↕

Press **Menu/OK** button.

8-3

Error History	
RC Error History	
Indoor unit Error History	
Setting	↕

Press **Menu/OK** button.

8-4
8-5

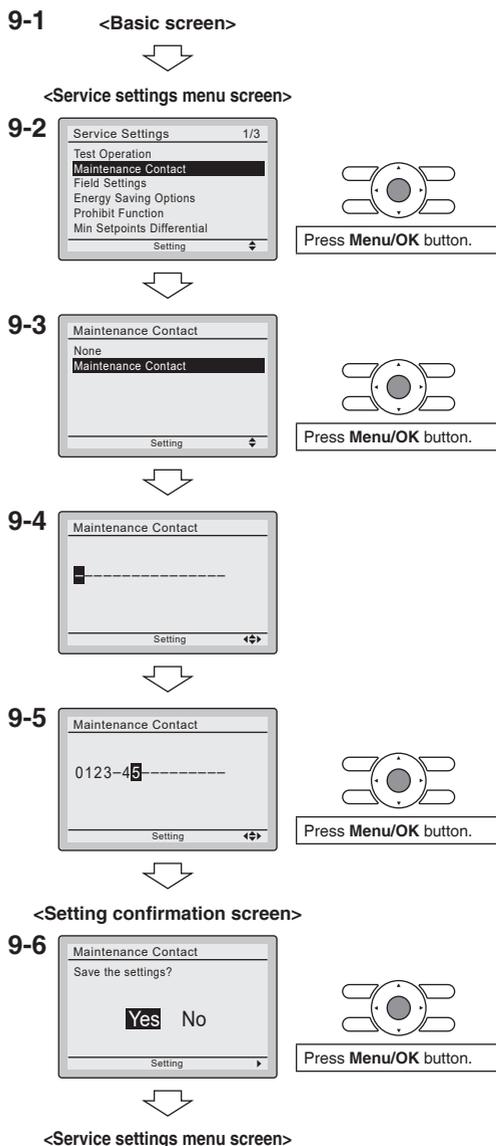| RC Error History		1/3
Unit Error	Date	Time
01 —	—/—/—	—:—
02 —	—/—/—	—:—
03 —	—/—/—	—:—
04 —	—/—/—	—:—
		◀ ▶
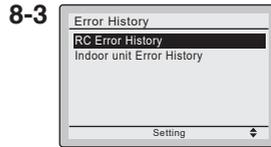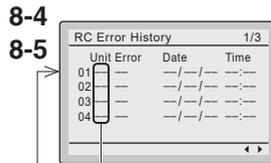
Unit No.

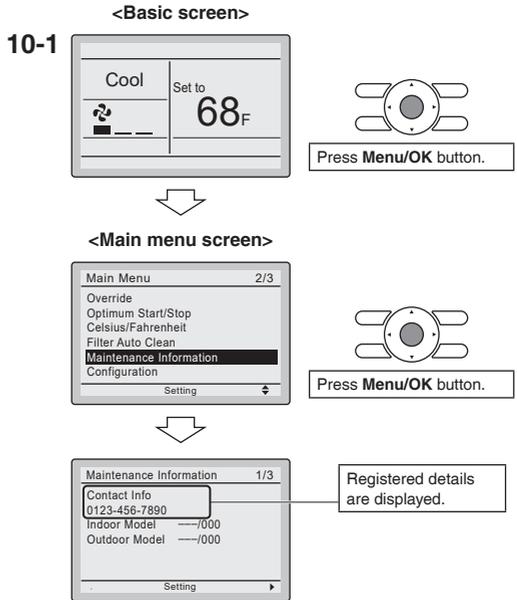Latest record

9. Adding Maintenance Contact Information

• Registration of the maintenance contact.

9-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen.
Service settings menu is displayed.

9-2 Select Maintenance Contact in the service settings menu, and press **Menu/OK** button. Maintenance contact menu screen is displayed.

9-3 Select Maintenance Contact , and press **Menu/OK** button.

9-4 Enter the telephone number.
Scroll through the numbers by using ▲▼ (Up/Down) buttons. Start from the left side. Blank digits should remain as " - ".

9-5 Press **Menu/OK** button.
Setting confirmation screen is displayed.

9-6 Select Yes and press **Menu/OK** button.
Setting details are saved and service settings menu screen returns.

9-7 Press **Cancel** button once.
The basic screen returns.

9-1 **<Basic screen>**

<Service settings menu screen>

9-2

Service Settings	1/3
Test Operation	
Maintenance Contact	
Field Settings	
Energy Saving Options	
Prohibit Function	
Min Setpoints Differential	
Setting	◆

Press **Menu/OK** button.

9-3

Maintenance Contact
None
Maintenance Contact
Setting ◆

Press **Menu/OK** button.

9-4

Maintenance Contact

■—————————

Setting ◀◆▶

9-5

Maintenance Contact

0123−45—————

Setting ◀◆▶

Press **Menu/OK** button.

<Setting confirmation screen>

9-6

Maintenance Contact
Save the settings?

Yes No

Setting ▶

Press **Menu/OK** button.

<Service settings menu screen>

10. Confirming Registered Details

10-1 Press **Menu/OK** button in the basic screen.
Main menu is displayed.
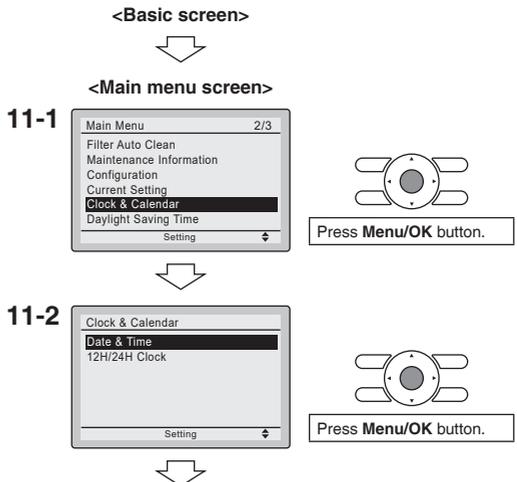Select Maintenance Information in the main menu, and press **Menu/OK** button.

10-2 Press **Cancel** button twice.
The basic screen returns.

<Basic screen>

10-1

Cool	Set to
ꙮ ▬_ _	68F

Press **Menu/OK** button.

<Main menu screen>

```
Main Menu                    2/3
Override
Optimum Start/Stop
Celsius/Fahrenheit
Filter Auto Clean
Maintenance Information
Configuration
        Setting            ⬍
```

Press **Menu/OK** button.

```
Maintenance Information      1/3
Contact Info
0123-456-7890
Indoor Model    ——/000
Outdoor Model   ——/000

.       Setting            ▶
```

Registered details are displayed.

11. Clock & Calendar

11-1 Press **Menu/OK** button in the basic screen.
Main menu is displayed.
Select Clock & Calendar in the main menu, press **Menu/OK** button.

11-2 Press ▲▼ buttons to select Date & Time on the clock & calendar screen.
∗ The date & time screen will appear when **Menu/OK** button is pressed.

<Basic screen>

<Main menu screen>

11-1

```
Main Menu                    2/3
Filter Auto Clean
Maintenance Information
Configuration
Current Setting
Clock & Calendar
Daylight Saving Time
        Setting            ⬍
```

Press **Menu/OK** button.

11-2

```
Clock & Calendar
Date & Time
12H/24H Clock




        Setting            ⬍
```

Press **Menu/OK** button.

11-3 Select **year**, **month**, **day** and **time** by using ◀▶ (Left/Right) button and set by using ▲▼ (Up/Down) button in the date & time screen. Press and hold the button for continuous change of the numeric value.

∗ Day of the week is set automatically.

11-4 Press **Menu/OK** button.
Setting confirmation screen is displayed.

11-5 Select Yes and press **Menu/OK** button.
Setting details are saved and basic screen returns.

∗ If power outage exceeds 48 hours, reset is needed.

11-3
11-4

Date & Time
Year 2020
Month 1
Day 1
Thursday
12:00A
Setting ◀▲▶

Press **Menu/OK** button.

11-5

Date & Time
Save the settings?
Yes No
Setting ▶
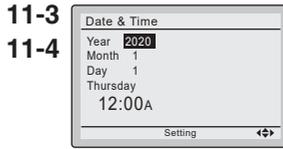
Press **Menu/OK** button.

<Basic screen>

12. Language

12-1 Press **Menu/OK** button in the basic screen.
Main menu is displayed.
Select Language in the main menu, press **Menu/OK** button.

12-2 Press ▲▼ (Up/Down) buttons to select **Language** on the language screen.
English/Français/Español
Press **Menu/OK** button.

<Basic screen>

<Main menu screen>

12-1

Main Menu 3/3
Language
Setting ↕

Press **Menu/OK** button.

12-2

Language
English
Setting ↕
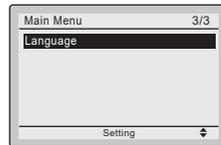
13. Unit Status (Rooftop unit only)
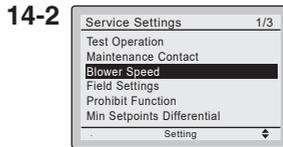
13-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

13-2 Select Unit Status in the service settings menu, and press **Menu/OK** button. Unit Status menu screen is displayed.

13-3 Unit Status have 4 pages. Display contents are changed to use ◀▶ buttons per pages.

Unit Status menu

- Page 1
  Room Temp
  Remote Ctrl Temp
  Return Air Temp
  Return Air Humidity
  Return Air Enthalpy
- Page 2
  Supply Air Temp
  Supply Air Temp Mode
  O/D Temp
  O/D Humidity
  O/D Enthalpy
- Page 3
  Economizer
  Demand Ctrl Vent
  Free Cooling
  Mix-air low lim cycl
  Compressor
- Page 4
  Heating
  Liquid Temp
  Gas Temp
  Evaporated Temp
  Condensed Temp

13-1   <Basic screen>

<Service settings menu screen>

13-2

Service Settings	2/3
Outdoor unit AirNet Address	
Error History	
Unit Status	
Forced Fan ON	
Switch Main Sub Controller	
Filter Indicator	
Setting	⬍

Press **Menu/OK** button.

13-3

Unit Status	1/4
Unit No. 0	
Room Temp	69F
Remote Ctrl Temp	75F
Return Air Temp	72F
Return Air Humidity	50%
Return Air Enthalpy	10 Btu/lb
Setting	◀⬍▶

---
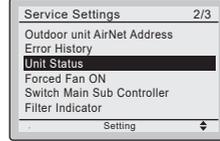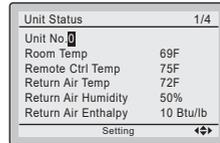
14. Blower Speed (Rooftop unit only)

• The appropriate setting is shown on the manual of the unit.

14-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.
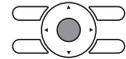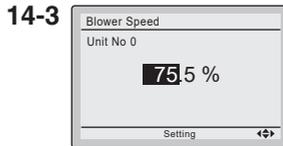
14-2 Select Blower Speed in the service settings menu, and press **Menu/OK** button. Blower Speed menu screen is displayed.
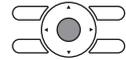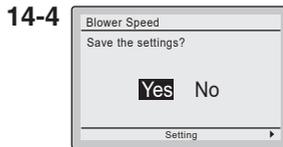
14-3 Select Unit Number or % of blower speed using ◀▶ buttons. Use ▲▼ buttons to change number, and press **Menu/OK** button. Setting confirmation screen is displayed.

14-4 Select Yes and press **Menu/OK** button. Setting details are saved and service settings menu screen returns.

14-5 Press **Cancel** button once. The basic screen returns.

14-1 **<Basic screen>**

<Service settings menu screen>

14-2
```
Service Settings          1/3
Test Operation
Maintenance Contact
Blower Speed
Field Settings
Prohibit Function
Min Setpoints Differential
           Setting        ⬍
```

Press **Menu/OK** button.

14-3
```
Blower Speed
Unit No 0

        75.5 %


           Setting      ◀⬍▶
```

Press **Menu/OK** button.

14-4
```
Blower Speed
Save the settings?


      Yes   No


           Setting      ▶
```

Press **Menu/OK** button.

<Service settings menu screen>

15. Unit Operation Hours (Rooftop unit only)

• Runtime is displayed and some of them are resettable.

15-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.
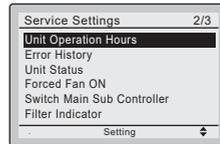
15-2 Select Unit Operation Hours in the service settings menu, and press **Menu/OK** button. Unit Operation Hours menu screen is displayed.
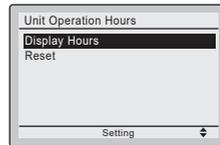
15-3 If Display Hours is selected, runtimes are displayed.

15-4 If Reset is selected, it will display the title of runtimes that is resettable.

> Total System Hrs
> Total Fan Hrs (Resettable)
> Comp Heat Mode (Resettable)
> Aux Heat Hrs (Resettable)
> Cool Mode Hrs (Resettable)
> Econ Mode Hrs (Resettable)
> Vent Mode Hrs (Resettable)

15-1   **\<Basic screen\>**

\<Service settings menu screen\>

15-2

```
Service Settings          2/3
Unit Operation Hours
Error History
Unit Status
Forced Fan ON
Switch Main Sub Controller
Filter Indicator
·              Setting        ⬍
```

Press **Menu/OK** button.

15-3
15-4

```
Unit Operation Hours
Display Hours
Reset



              Setting        ⬍
```

Press **Menu/OK** button.

16. Prohibit Function

16-1 Press and hold **Cancel** button for 4 seconds or longer in the basic screen. Service settings menu is displayed.

16-2 Select Prohibit Function in the service settings menu, and press **Menu/OK** button. Prohibit Function menu screen is displayed.

16-3 Prohibit Buttons is for prohibiting each button input like Fan Speed button. Prohibit Mode is for prohibiting mode like "Cool" or "Heat".

16-4 To enable the Prohibit Buttons function in the basic screen, proceed as follows.
1. Keep ▶ button pressed.
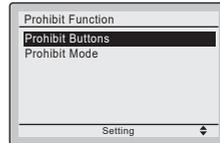2. Press Cancel, Mode, Fan speed buttons simultaneously while keeping ▶ button pressed.

16-1 <Basic screen>

<Service settings menu screen>

16-2

Service Settings	1/3
Test Operation	
Maintenance Contact	
Blower Speed	
Field Settings	
Prohibit Function	
Min Setpoints Differential	
Setting	⇕

Press **Menu/OK** button.

16-3

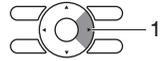| Prohibit Function |
| --- |
| Prohibit Buttons |
| Prohibit Mode |
| |
| |
| |
| Setting   ⇕ |
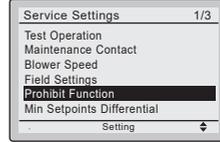
Press **Menu/OK** button.

16-4

1

2 2
2 2

17. Certification

COMPLIANCE WITH FCC RULES AND REGULATIONS

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase or decrease the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced remote control/ TV technician for help.

FCC Authorization Label

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

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