TOSHIBA

Remote Controller
Installation Manual

Model name:

RBC-AMS55E-ES(For RAV-RM***FT-ES)
RBC-AMS55E-EN(For RAV-RM***FT-EN)

- This remote controller is built in the indoor unit (RAV-RM***FT*).
- Refer to the Installation Manual supplied with the indoor unit for any installation instructions other than operations of the remote controller.

Contents

Precautions for Safety

- Read these "Precautions for Safety" carefully before installation.
- The precautions described below include important items regarding safety. Observe them without fail. Understand the following details (indications and symbols) before reading the body text, and follow the instructions.
- Ask customer to keep this Manual at accessible place for future reference.

Indication	Meaning of Indication
⚠ WARNING	Text set off in this manner indicates that failure to adhere to the directions in the warning could result in serious bodily harm (*1) or loss of life if the product is handled improperly.
⚠ CAUTION	Text set off in this manner indicates that failure to adhere to the directions in the caution could result in minor bodily injury (*2) or damage (*3) to property if the product is handled improperly.

*1: Serious bodily harm indicates loss of eyesight, injury, burns, electric shock, bone fracture, poisoning, and other injuries which leave aftereffect and require hospitalization or long-term treatment as an outpatient.
*2: Bodily injury indicates injury, burns, electric shock, and other injuries which do not require hospitalization or long-term treatment as an outpatient.
*3: Damage to property indicates damage extending to buildings, household effects, domestic livestock, and pets.

Symbols	Meaning of Symbols
🚫	"🚫" Indicates prohibited items. The actual contents of the prohibition are indicated by a picture or text placed inside or next to the graphic symbol.
❗	"❗" Indicates compulsory (mandatory) items. The actual contents of the obligation indicated by a picture or text placed inside or next to the graphic symbol.

⚠ WARNING

❗	• **Only a qualified installer or service person is allowed to do installation work.** Inappropriate installation may result in water leakage, electric shock or fire. • **Perform installation work properly according to the Installation Manual.** Inappropriate installation may result in water leakage, electric shock or fire. • **Electrical work must be performed by a qualified electrician in accordance with this installation manual.** **The work must satisfy all local, national and international regulations.** Inappropriate work may result in electric shock or fire. • **Use predefined wire and connect them certainly. Keep the connecting terminal free from external force.** Improper wire connection or clamping may result in exothermic, fire or malfunction.

EN

■ Note (For first use)

It takes some time before the remote controller becomes operable when the remote controller is used for the first time. This is not a malfunction.

\<When the power is turned on for the first time after installation\>
It takes about 5 minutes before the remote controller becomes operable.

| Power on | → | "⧗" flashes | About 5 minutes → | "⧗" disappears | → | Remote controller becomes operable. |
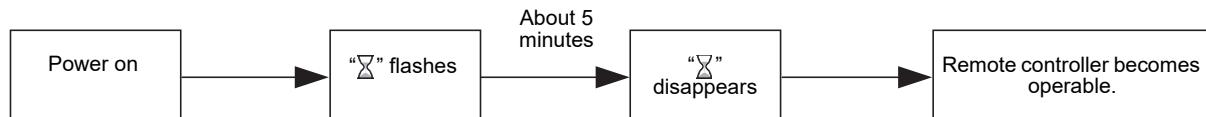
\<When the power is turned on from the second time\>
It takes about 1 minute before the remote controller becomes operable.

| Power on | → | "⧗" flashes | About 1 minute → | "⧗" disappears | → | Remote controller becomes operable. |
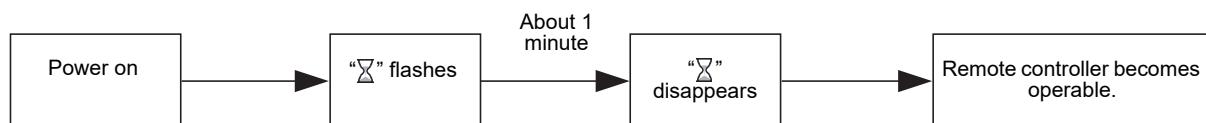
Part Names and Functions

<div style="text-align:center">6</div>

1 — MONITOR button

2 — MENU button

3 — CANCEL button

6 — F1 button

7 — F2 button

8 — ON/OFF button

4,5 — ∧ ∨ buttons
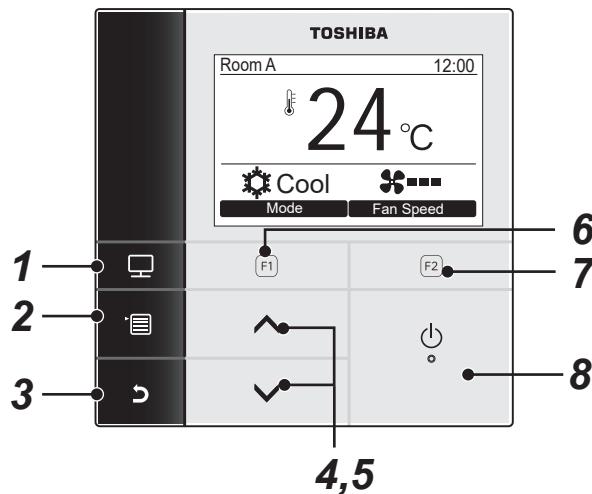
1 [▭ MONITOR] button
Displays the monitoring screen.

2 [▦ MENU] button
Displays the menu screen.

3 [⮌ CANCEL] button
Functions as indicated on the screen, such as returning to the previous menu screen.

4 [∧ ∧] button
During normal operation: adjusts the temperature.
On the menu screen: selects a menu item.

5 [∨ ∨] button
During normal operation: adjusts the temperature.
On the menu screen: selects a menu item.

6 [F1] button
Varies its function according to the setting screen.

7 [F2] button
Varies its function according to the setting screen.

8 [⏻ ON / OFF] button

Switching between the normal display and detailed display
Push and hold the [⮌ CANCEL] button and [▭ MONITOR] button at the same time for more than 4 seconds to switch the display mode.
The normal display mode is selected as factory default setting.

Detailed display mode
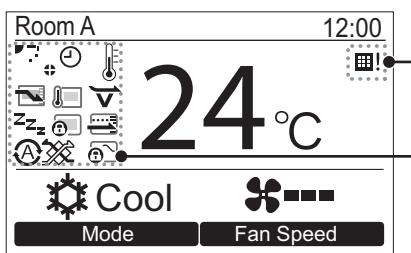
Icons appear on the screen when the detailed display mode is selected.

EN

■Monitor screen

Check the current usage status.
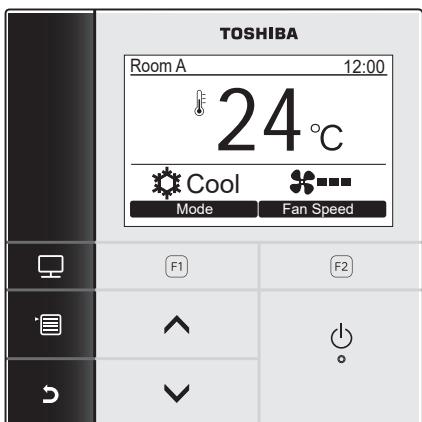
1 **Push [MONITOR] button.**
The monitor screen appears.

2 **Push [CANCEL] button to return.**

| Monitor	
(1) Set temp.	24°C
(2) Control temp.	24°C
(3) Outdoor temp.	35°C
(4) Filter remaining hour	2500
(5) Total running hour	10480
↩ Return	

(1) Displays the set temperature.
(2) Displays the temperature measured by the indoor temperature sensor of the indoor unit.
    If the sensor is set to that of the remote controller, the temperature measured by the remote sensor is displayed.
(3) Displays the temperature around the vent of the outdoor unit.
(4) Displays the remaining time until the filter sign lights up.
(5) Displays the accumulated operating time.

NOTE

Total running hour
- The Total running hour is recorded on the remote controller.
- The time is not recorded during Self cleaning operation or fan operation.

Outdoor temp.
- Displays the temperature around the vent of the outdoor unit.
- The displayed temperature may differ from the actual outdoor temperature.

Others
- The Header status appears during group connection.
- The screen returns to the previous display if no operation is performed for 60 seconds.
- When using a Remote sensor or a sensor with Wired remote controller, the setting temperature may not be controlled accurately due to a difference between the temperature of their sensor and room temperature that can arise due to radiant heat effects of the wall etc.

Initial setting
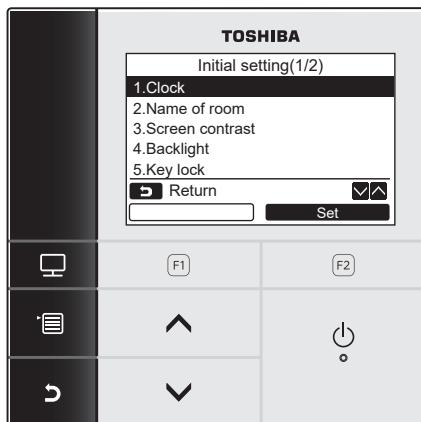
1 Push the [▦ MENU] button to display the menu screen.

2 Push the [∧ ∧] / [∨ ∨] button to select "10.Initial setting"on the menu screen, then push the "〔 Set 〕 Set" [▣ F2] button.

3 Push the [∧ ∧] / [∨ ∨] button to select an item on the "Initial setting" screen.

4 Push the "〔 Set 〕 Set" [▣ F2] button.
→The selected menu setting screen will be displayed.

5 Push the [▣ CANCEL] button to return.
→The screen returns to the "Initial setting" screen.

1. Clock

Set the Year, Month, Day, and time.
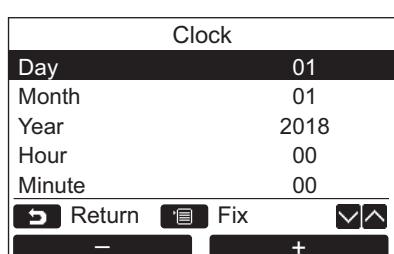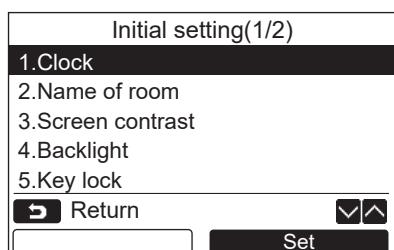
1 Push the [∧ ∧] / [∨ ∨] button to select "1. Clock" on the "Initial setting" screen, then push the "〔 Set 〕 Set" [▣ F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select the Year, Month, Day, and time.
→Push the "〔 – 〕 -" [▣ F1] / "〔 + 〕 +" [▣ F2] button to set the value.

3 Push the [▦ MENU] button.

EN

To adjust the clock

```
              Clock
Day                        01
Month                      01
Year                      2018
Hour                       00
Minute                     00
  ⤺  Return    ▤ Fix      ∨∧
         —                 +
```

```
Room A                  :12:00:
   🌡 24 ℃
  ❄ Cool        ❁▪▪▪
    Mode         Fan Speed
```

1 Push the [∧ ∧] / [∨ ∨] button to select "1. Clock" on the "Initial setting" screen, then push the " Set Set" [F2 F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select the Year, Month, Day, and time.
 →Push the " — -" [F1 F1] / " + +" [F2 F2] button to set the value.

3 Push the [▤ MENU] button.
  →The screen returns to the "Initial setting" screen.

 The clock display appears on the upper right of the screen.
  • The clock display blinks if the clock setting has been reset due to power failure or other cause.

NOTE

The available date range is from January 1st, 2018 to December 31st, 2099.

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2. Name of room

Set the name of the room or place where the remote controller is installed. (Operations of the air conditioner are possible without this setting.)

```
       Initial setting(1/2)
1.Clock
2.Name of room
3.Screen contrast
4.Backlight
5.Key lock
  ⤺   Return            ∨∧
                        Set
```

```
(1) │ABCDE Z&/:· uvwxy
    │FGHIJ abcde z–+!?
    │KLMNO fghij 12345
    │PQRST klmno 67890   Del
    │UVWXY pqrst.# ()     Fix
    ⤺ Return  ▤ Set      ∨∧
         ←            →
```

1 Push the [∧ ∧] / [∨ ∨] button to select "2. Name of room" on the "Initial setting" screen, then push the " Set Set" [F2 F2] button.

2 Set the name of the remote controller.

Enter the characters of the name in the screen (1).
Move the cursor to select the character with the [∧ ∧] / [∨ ∨] button and " ← ←" [F1 F1] / " → →" [F2 F2] button (the selected character is highlighted), then push the [▤ MENU] button.
Name of the remote controller appears.

Up to 16 characters can be entered for Name of room.

```
┌─────────────────────────────────┐
│ Bedroo(  )                      │
│ ─────────────────────────────── │
│ ABCDE Z&/:· uvwxy               │
│ FGHIJ abcde z–+!?               │
│ KLMNO fghij 12345       ┌─────┐ │
│ PQRST klmno 67890       │ Del │ │
│ UVWXY pqrst.# ()        ├─────┤ │
│ ┌──┐                    │ Fix │ │
│ │⮌ │ Return 🔲 Set   🔽│🔼│   │ │
│ └──┘                    └─────┘ │
│ ████  ←  ████  ████  →  ████    │
└─────────────────────────────────┘
```
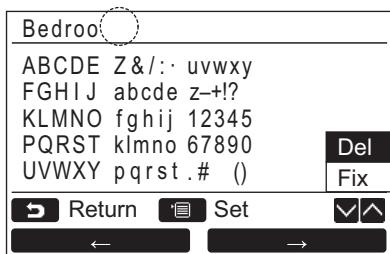
To delete a character, highlight "Del" and push [▤ MENU] button.

```
┌─────────────────────────────────┐
│ 705A                            │
│ ─────────────────────────────── │
│ ABCDE Z&/:· uvwxy               │
│ FGHIJ abcde z–+!?               │
│ KLMNO fghij 12345       ┌─────┐ │
│ PQRST klmno 67890       │ Del │ │
│ UVWXY pqrst.# ()        ├─────┤ │
│ ┌──┐                    │▓Fix▓│ │
│ │⮌ │ Return 🔲 Set   🔽│🔼│   │ │
│ └──┘                    └─────┘ │
│ ████  ←  ████  ████  →  ████    │
└─────────────────────────────────┘
```
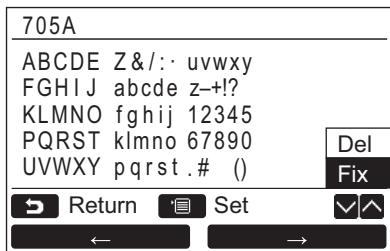
To confirm the name, highlight "Fix" and push [▤ MENU] button.
→The screen returns to the "Initial setting" screen.

3. Screen contrast

Adjust the contrast of the LCD.

```
┌─────────────────────────────────┐
│      Initial setting(1/2)       │
│ ─────────────────────────────── │
│ 1.Clock                         │
│ 2.Name of room                  │
│ ▓3.Screen contrast▓             │
│ 4.Backlight                     │
│ 5.Key lock                      │
│ ┌──┐                            │
│ │⮌ │ Return            🔽│🔼    │
│ └──┘                            │
│ ████████          ████ Set ████ │
└─────────────────────────────────┘
```
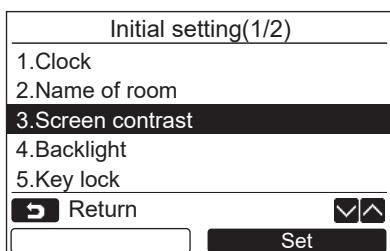
1 Push the [∧ ∧] / [∨ ∨] button to select "3. Screen contrast" on the "Initial setting" screen, then push the "▆▆▆ Set ▆▆▆ Set" [F2 F2] button.

```
┌─────────────────────────────────┐
│        Screen contrast          │
│ ─────────────────────────────── │
│                                 │
│   −                    +        │
│   ├──────────┬────────┤         │
│              ▲                  │
│                                 │
│ ┌──┐                            │
│ │⮌ │ Return 🔲 Fix              │
│ └──┘                            │
│ ████  −  ████  ████  +  ████    │
└─────────────────────────────────┘
```

2 Push the "▆▆▆ − ▆▆▆ -" [F1 F1] / "▆▆▆ + ▆▆▆ +" [F2 F2] button to adjust.

3 Push the [▤ MENU] button.
→The screen returns to the "Initial setting" screen.

EN

– 8 –
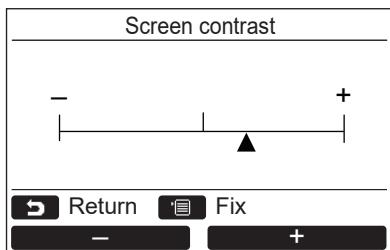
# 4. Backlight

Turn on or off the back light of the LCD.

```
      Initial setting(1/2)
1.Clock
2.Name of room
3.Screen contrast
4.Backlight
5.Key lock
  Return                    ∨|∧
                    Set
```

```
         Backlight
  ● ON

    OFF


  Return   ▤  Fix      ∨|∧
```
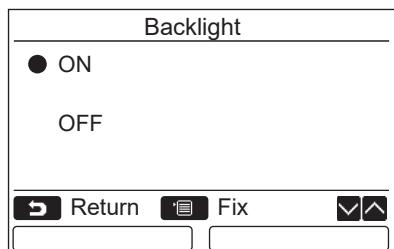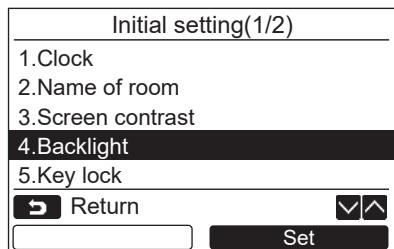
1 **Push the [∧] / [∨] button to select "4. Backlight" on the "Initial setting" screen, then push the " Set Set" [F2 F2] button.**

2 **Push the [∧] / [∨] button to select "ON" or "OFF".**

3 **Push the [▤ MENU] button.**
→When "ON" is selected, the back light is turned on during operating with the remote controller.
→When "OFF" is selected, the back light is not turned on.

NOTE

- The back light of the LCD is turned on as factory default.
- The back light is on for a predetermined time after button operation.

5. Key lock

Select whether to lock / unlock [ON / OFF], [⌄⌃], [MODE](F1) and [FAN SPEED](F2).

```
Initial setting(1/2)
1.Clock
2.Name of room
3.Screen contrast
4.Backlight
5.Key lock
⮌  Return                    ⌄⌃
                       Set
```

```
Key lock(1/2)
ON/OFF
        Lock /  ● Unlock
Set temp.
        Lock /  ● Unlock


⮌ Return   ▤ Fix           ⌄⌃
   ←●                ●→
```

```
Key lock(2/2)
Mode
     ● Lock /    Unlock
Fan speed
        Lock /  ● Unlock


⮌ Return   ▤ Fix           ⌄⌃
   ←●                ●→
```
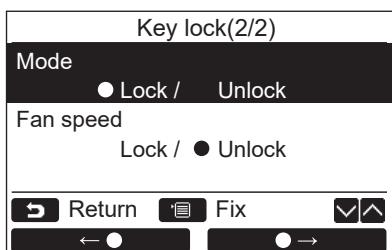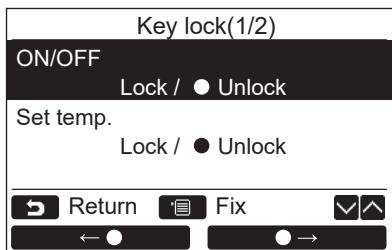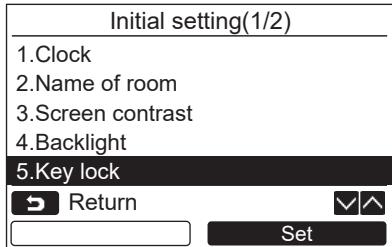
1 Push the [∧] / [∨] button to select "5. Key lock" on the "Initial setting" screen, then push the "⬛ Set ⬛ Set" [F2 F2] button.

2 Push the [∧] / [∨] button to select a key to lock / unlock.

3 Push the "⬛ ←● ⬛ ←●" [F1 F1] button to select "Lock", or "⬛ ●→ ⬛ ●→" [F2 F2] button to select "Unlock".

4 Push the [▤ MENU] button.
   → When "Lock" is selected, the key cannot be used during key lock.
   When "Unlock" is selected, the key can be used even during key lock.
   → All keys are unlocked while "Check" is displayed.
   → For the key lock setting, refer to the owner's manual.
   → The factory default is "Lock".

6. Header/Follower

Set the remote controller as "Header remote controller" or "Follower remote controller" when the dual remote controller system is used.
Carry out the setting operation while the indoor unit is stopped. (Turn off the air conditioning unit before starting the setting operation.)

```
        Initial setting(2/2)
6.Header/Follower
7.Language
8.Press & hold 4 sec.
9.Summer time
10.Clock display
  ⤺  Return              ⌄⌃
  [              ]  [   Set   ]
```

```
        Header/Follower
  ●  Header
     remote controller
     Follower
     remote controller

  ⤺  Return    ▤  Fix    ⌄⌃
  [          ]  [          ]
```
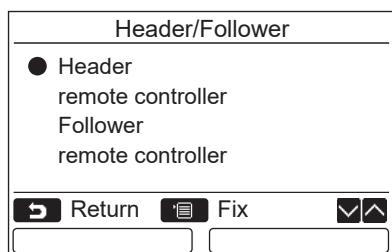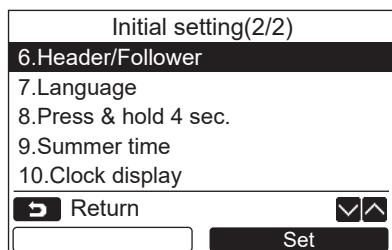
1 Push the [∧ ∧] / [∨ ∨] button to select "6. Header/Follower" on the "Initial setting" screen, then push the "[Set] Set" [F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select the setting.

3 Push the [▤ MENU] button.
→ "⧗ Setting" appears on the screen, then the screen returns to the "Initial setting" screen.

Note for the Header/Follower setting
• Set the RBC-AMS55E-ES, RBC-AMS55E-EN remote controller as the Header remote controller when the dual remote controller system is used.
• The RBC-AMS55E-ES, RBC-AMS55E-EN remote controller can be used as the Follower remote controller when the dual remote controller system is used that consists of two RBC-AMS55E-ES, RBC-AMS55E-EN remote controllers.
• The following functions are not available when the remote controller is set as the Follower remote controller:
Schedule timer / Off reminder timer / Night operation / Energy saving operation / Return back / Saving operation / Power consumption / Reset power consumption data

```
  ┌──────────┐   ┌──────────┐
  │  Header  │   │ Follower │
  │  remote  │   │  remote  │
  │controller│   │controller│
  └────┬─────┘   └────┬─────┘
       └──────┐  ┌────┘
         ┌────┴──┴────┐
         │ Indoor unit│
         └─────┬──────┘
               │
         ┌─────┴──────┐
         │Outdoor unit│
         └────────────┘
```
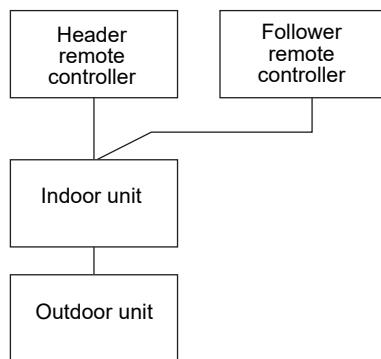
NOTE

• Some functions are not available when the remote controller is set as the Follower remote controller.
• In the dual remote controller system, the latter operation overrides the former.
• The remote controller is set as "Header remote controller" as factory default.
• If the Header/Follower remote controller settings are not set correctly, the "E01," "E03," or "E09" check code is displayed.

7. Language

Select a language for the screen text.

```
        Initial setting(2/2)
 6.Header/Follower
 7.Language
 8.Press & hold 4 sec.
 9.Summer time
 10.Clock display
 ⟲  Return              ∨∧
                    Set
```
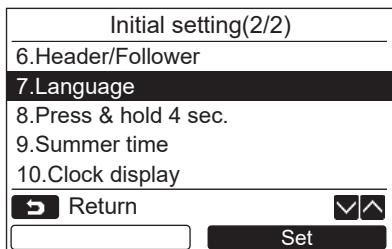
1 Push the [∧] / [∨] button to select "7. Language" on the "Initial setting" screen, then push the " Set " [F2] button.

2 Push the [∧] / [∨] button to select a language.

3 Push the [MENU] button.
The screen text changes to the selected language.
→The factory default is English.

These two screens appear for RBC-AMS55E-ES.

```
        Language(1/2)
 ● English
   French        Français
   German        Deutsch
   Spanish       Español
   Portuguese    Português
 ⟲  Return    Fix       ∨∧
```

```
        Language(2/2)
 ● Dutch         Nederlands




 ⟲  Return    Fix       ∨∧
```

These two screens appear for RBC-AMS55E-EN.

```
        Language(1/2)
 ● English       English
   Italian       Italiano
   Greek         Ελληνικό
   Russian       Русский
   Turkish       Türk
 ⟲  Return    Fix       ∨∧
```

```
        Language(2/2)
 ● Polish        Polski




 ⟲  Return    Fix       ∨∧
```
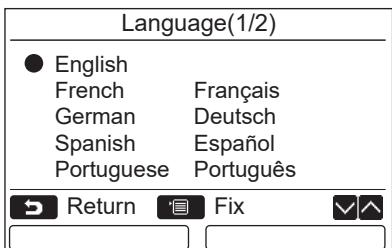
EN
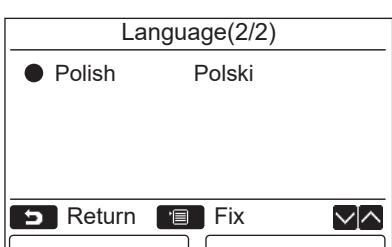
8. Press & hold 4sec.

Set the "Press & hold 4 sec." operation for the [⏻ ON / OFF] button.

```
          Initial setting(2/2)
6.Header/Follower
7.Language
8.Press & hold 4 sec.
9.Summer time
10.Clock display
  ⟵  Return              ⌄ ⌃
                         Set
```

```
          Press & hold 4sec.
  ● ON

     OFF


  ⟵  Return    ▤  Fix      ⌄ ⌃
```
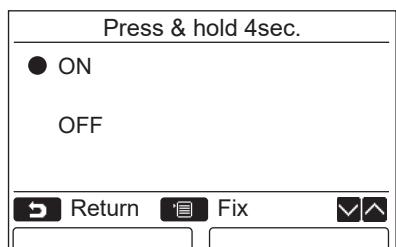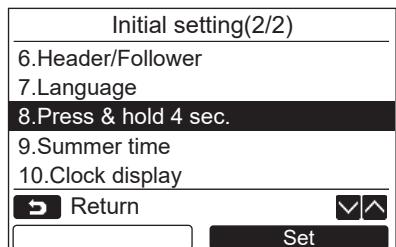
1 Push the [∧ ∧] / [∨ ∨] button to select "8. Press & hold 4sec." on the "Initial setting" screen, then push the " Set Set" [F2 F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select "ON" or "OFF".

3 Push the [▤ MENU] button.
→When "ON" is selected, the air-conditioner starts / stops running when the [⏻ ON / OFF] button is pressed and hold 4 seconds.
→When "OFF" is selected, the air-conditioner starts / stops running when the [⏻ ON / OFF] button is pressed.

9. Summer time

Set summer time (Daylight saving time).

```
          Summer time
1.Shift time
        ON / ●OFF
2.Start date
      25 / MAR    01:00
3.End date
      28 / OCT    01:00
  ⟵  Return    ▤  Fix      ⌄ ⌃
     ← ●              ● →
```

```
          Summer time
1.Shift time
      ●ON /     OFF
2.Start date
      25 / MAR    01:00
3.End date
      28 / OCT    01:00
  ⟵  Return    ▤  Fix      ⌄ ⌃
        −              +
```
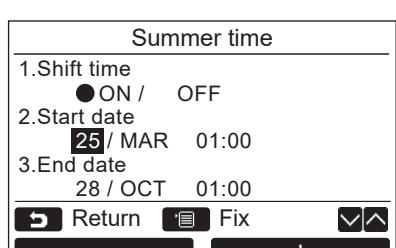
1 Push the [∧ ∧] / [∨ ∨] button to select "9. Summer time" on the "Initial setting" screen, then push the " Set Set" [F2 F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select "1. Shift time" on the "Summer time" screen.

3 Push the " ←● ←●" [F1 F1] button to select "ON".

4 Push the [∧ ∧] / [∨ ∨] button to change the start date and the end date.

5 Push the " − -" [F1 F1] / " + +" [F2 F2] button to set the Day, Month, and time.

6 Push the [▤ MENU] button.
→The screen returns to the "Initial setting" screen.

- When "Shift Time" is ON and the time in "Start Date" is reached, the time setting in the remote controller shifts by 1 hour, and when the time in "End Date" is reached, the time setting returns to the original time.
- When the following scheduled operation set by the time changes due to the switch to summer time, the operation will start at the time after the change.

    Schedule timer, outdoor unit quiet setting, saving operation

    However, the scheduled operation will not be carried out during the 1-hour shifted by the Start Date.
- The operating time will not be affected even if the following function set by the time changes with summer time.

    Off reminder timer, Return back (Energy saving), Occupancy sensor operation

10.Clock display

Select the "12-hour clock" and "24-hour clock" in the "Normal display mode" and "Detailed display mode".

```
┌─────────────────────────────┐
│       Clock display         │
│                             │
│  ● 24H                      │
│                             │
│    AM/PM                    │
│                             │
│ ↩ Return  ▤ Fix      ∨∧   │
│                             │
└─────────────────────────────┘
```
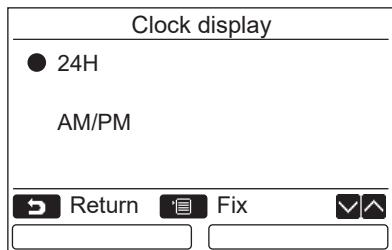
1 Push the [∧ ∧] / [∨ ∨] button to select "10. Clock display" on the menu screen, then push the " Set   Set" [F2 F2] button.

2 Push the [∧ ∧] / [∨ ∨] button to select "24H" or "AM/PM".

24H: 24-hour clock

AM/PM: 12-hour clock

3 Push the [▤ MENU] button.

→The screen returns to the "Initial setting" screen.

- Even if you select the "12-hour clock", the "24-hour clock" display will still appear in the setting screen of the schedule timer etc.

EN
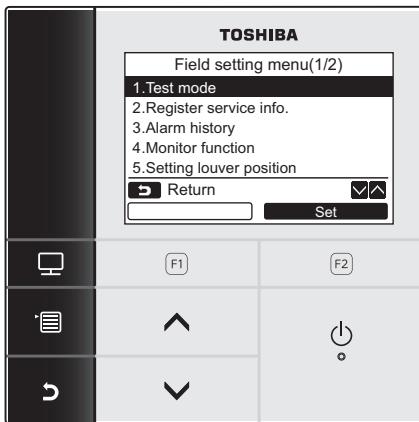
Field setting menu

1 Push the [▥ MENU] button to display the menu screen.

2 Push and hold the [▥ MENU] button and the [﹀ ∨] button at the same time to display the "Field setting menu".
→Push and hold the buttons for more than 4 seconds.

3 Push the [⟲ CANCEL] button to return.

Item	Function
1. Test mode	Settings for when performing the test operation after installation
2. Register service info	Registration of information about the contact number for service, model name and serial number of the indoor unit and outdoor unit
3. Alarm history	List of latest 10 alarm data: information of check code, date, time, and unit
4. Monitor function	Monitoring data of sensor temperature, rotating speed of the compressor or other factor.
5. Setting louver position	Change the louver indication setting to match the indoor unit type.
6. Setting timer operation mode	Set whether or not the operation mode can be selected when setting the schedule timer.
7. DN setting	Advanced settings using DN code
8. Reset power consumption data	Resetting the power consumption data saved in the remote controller.

1. Test mode

Set for the test operation after installation.

Before the test mode

• Perform the followings before turning on the power:
   1) By using 500 V-megger, check that resistance of 1 MΩ or more exists between the terminal block of the power supply and the earth (earthing).
   If resistance of less than 1 MΩ is detected, do not run the unit.
   2) Check all valve of the outdoor unit is opened fully.
• To protect the compressor at the time of startup, leave the power on for 12 hours or more before operation.
• Do not press the electromagnetic contactor to forcibly perform the test mode. (It is very dangerous because the protective device does not work.)
• Peel off the protective sheet affixed when the remote controller was shipped before performing a test run.

Performing the test mode

For the procedure of the operation, refer to the supplied Owner's Manual. A forced test mode can be performed according to the following procedure when the room temperature rises / falls enough for the thermostat to turn off. In order to prevent a continuous operation, the forced test operation is released after 60 minutes have passed and returns to the normal operation.

⚠ CAUTION

Do not perform the forced test mode for purposes other than the test mode because it applies an excessive load to the devices.
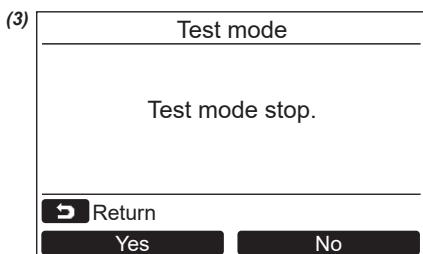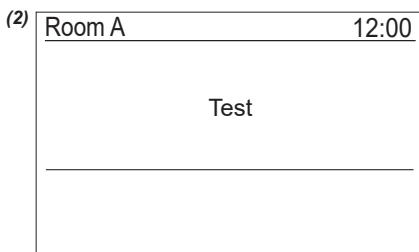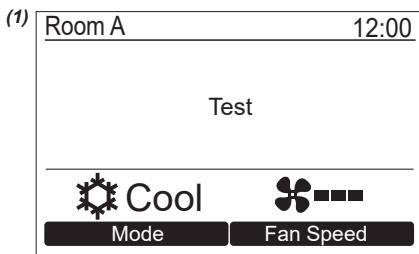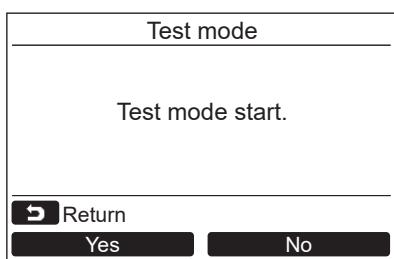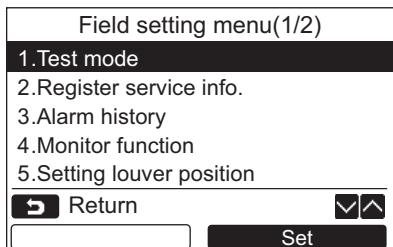
```
Field setting menu(1/2)
1.Test mode
2.Register service info.
3.Alarm history
4.Monitor function
5.Setting louver position
↰ Return                    ∨∧
                    Set
```

1 Push the [∧ ∧] / [∨ ∨] button to select "1. Test mode" on the "Field setting menu" screen, then push the " Set Set" [F2] **F2] button.**

→Pushing the " Yes Yes" [F1] F1] button sets the test mode and the screen returns to the "Field setting menu" screen.
Push [↰ CANCEL] twice, the screen (2) appears.

```
Test mode


Test mode start.



↰ Return
     Yes              No
```

```
(1) Room A               12:00


         Test


    ☼ Cool      ❋▪▪▪
       Mode        Fan Speed
```

```
(2) Room A               12:00


         Test



```

2 Push the [⏻ ON / OFF] button to start the **test mode. The screen *(1)* shown in the left appears. (The screen *(2)* appears when the operation is stopped.)**

→Perform the test mode in the "Cool" or "Heat" mode.

→Temperature setting cannot be adjusted during the test mode.

→Check codes are displayed as usual.

3 When the test mode is finished, push the **[∧ ∧] / [∨ ∨] button to select "1. Test mode" on the "Field setting menu" screen, then push the " Set Set" [F2] F2] button.**
The screen *(3)* appears.

→Pushing the " Yes Yes" [F1] F1] button stops the test mode screen and continues the normal operation.

```
(3)      Test mode


    Test mode stop.


↰ Return
     Yes              No
```

NOTE

The test mode stops after 60 minutes and the screen returns to the normal / detailed display.

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Using the Service monitor with the [▣ MONITOR] button during the test mode

```
Room A                    12:00


          Test


✳ Cool           ❁---
   Mode          Fan Speed
```

Push the [▣ MONITOR] button
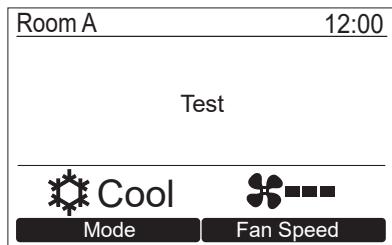
```
          Monitor function

     Code        Data
      00         0024


  ↰  Return              ⌄ ⌃
```
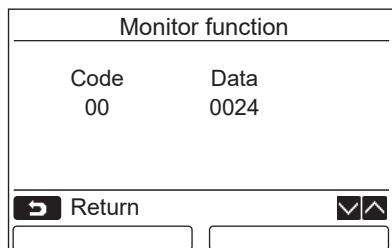
Refer to "4. Monitor function" (page 22) for details.

When the group control is used, select the unit to monitor in the unit selection screen before displaying the monitoring display.

2. Register service info.

Register information about the contact number for service, model name and serial number of the indoor unit and outdoor unit.

- Enter information manually for a Light commercial outdoor unit.
  Information data of Light commercial indoor unit, VRF indoor unit, and VRF outdoor unit is loaded automatically.
  Automatic loading is not available for some models. In this case, enter information manually.
- Enter the contact number for service displayed in "2. Service information" of "14. information" on the menu screen.
- Enter the model name and serial number displayed in "1. Model information" of "14. information" on the menu screen.

Entering information manually

```
        Register service info.
1.Service contact tel No.
2.Outdoor model name
3.Outdoor unit serial No.
4.Indoor model name
5.Indoor unit serial No.
  ⮌  Return              ⌄⌃
                         Set
```

1 Push the [∧ ∧] / [∨ ∨] button to select "2. Register service info." on the Field setting menu screen.

2 Push the " Set Set" [⒡ F2] button.
→The setting screen for entering information appears.

3 Enter the information with the " ← ←" [⒡ F1] / " → →" [⒡ F2] button and [∧ ∧] / [∨ ∨] button.

Item	Function
1. Service contact tel No.	Enter the contact number for service.
2. Outdoor model name	Enter / reset the model name of the outdoor unit.
3. Outdoor unit serial No.	Enter / reset the serial number of the outdoor unit.
4. Indoor model name	Enter / reset the model name of the indoor unit.
5. Indoor unit serial No.	Enter / reset the serial number of the indoor unit.

Entering the contact number for service

```
        Register service info.
1.Service contact tel No.
2.Outdoor model name
3.Outdoor unit serial No.
4.Indoor model name
5.Indoor unit serial No.
  ⮌  Return              ⌄⌃
                         Set
```

1 Push the [∧ ∧] / [∨ ∨] button to select "1. Service contact tel No.", then push the " Set Set" [⒡ F2] button.

```
        Service contact tel No.
Input telephone number

 - - - - - - - - - - -

  ⮌  Return   ▤ Fix      ⌄⌃
     ←              →
```

2 Move the cursor to select the character (selected character is highlighted) with the " ← ←" [⒡ F1] / " → →" [⒡ F2] button, then enter the contact number with the [∧ ∧] / [∨ ∨] button.

3 Push the [▤ MENU] button.

Entering the model name and serial number

Enter the model name and serial number manually for a Light commercial outdoor unit. Information data is loaded automatically for Light commercial indoor units. Enter the model name and serial number manually after replacing the circuit board to the service circuit board (unless entering information manually before replacement of the circuit board).

| Product	Model name and serial number display
Light commercial indoor unit	Information data is loaded automatically from the indoor unit and displayed.
Light commercial outdoor unit	Enter information manually on the remote controller.
Service circuit board	Enter information manually on the remote controller.

<Flow chart of usual process>

Does the indoor unit / outdoor unit automatically load information data of model name and serial number to the remote controller?

Yes

No

The model name and serial number loaded from the unit are displayed.

1. Manual entry is not needed.
2. Select "Indoor unit (Outdoor unit)" for the display mode (factory default).

1. Enter the model name and serial number of the unit manually on the remote controller.
2. Select "Remote controller" for the display mode.

Entering the model name and serial number manually

```
      Register service info.
1.Service contact tel No.
2.Outdoor model name
3.Outdoor unit serial No.
4.Indoor model name
5.Indoor unit serial No.
 ↩  Return            ⌄ ⌃
 [          ]    Set
```

1 **Push the [⌃ ∧] / [⌄ ∨] button to select "2. Outdoor model name" on the "Register service info" screen, then push the " [Set] Set" [F2 F2] button.**

→ Select "3. Outdoor unit serial No." to enter the serial number of the outdoor unit.

→ Select "4. Indoor model name" to enter the model name of the indoor unit.

→ Select "5. Indoor unit serial No." to enter the serial number of the indoor unit.

```
        Outdoor model name
1.Manual model name input
2.Model name selection
Outdoor model name

  ⏎ Return    ▤ Fix         ∨∧
  ┌──────────┐┌──────────────┐
  │          ││     Set      │
```

```
ABCDE Z&/:· uvwxy
FGHIJ abcde z–+!?
KLMNO fghij 12345        ┌─────┐
PQRST klmno 67890        │ Del │
UVWXY pqrst.# ()         │ Fix │
  ⏎ Return    ▤ Set         ∨∧
  ┌──────────┐┌──────────────┐
  │    ←     ││      →       │
```

Selecting the model name and serial No.

```
1-1      Outdoor model name
1.Manual model name input
2.Model name selection
Outdoor model name
      RAV-SP1104AT8-E
  ⏎ Return    ▤ Fix         ∨∧
  ┌──────────┐┌──────────────┐
  │          ││     Set      │
```

```
        Model name selection
● Remote controller

  Outdoor unit

  ⏎ Return    ▤ Fix         ∨∧
  ┌──────────┐┌──────────────┐
  │          ││              │
```

2 Push the [∧] / [∨] button to select "1. Manual model name input" on the "Outdoor model name" screen, then push the "⬛Set Set" [F2 F2] button.
→ Select "1. Manual serial No. input" of "3. Outdoor unit serial No." to enter the serial number of the outdoor unit.
→ Select "1. Manual model name input" of "4. Indoor unit model name" to enter the model name of the indoor unit.
→ Select "1. Manual serial No. input" of "5. Indoor unit serial No." to enter the serial number of the indoor unit.

3 Enter the model name of the outdoor unit.
→ See page 7 about how to enter the model name and serial number.

4 Select "Remote controller" for the display mode of model name or serial number to display the manually entered model name or serial number. (See page 7.)

1 Push the [∧] / [∨] button to select "2. Model name selection" on the "Outdoor model name" screen, then push the "⬛Set Set" [F2 F2] button.
→ To select the serial number of the outdoor unit, select "2.Serial No. selection" of "3. Outdoor unit serial No.".
→ To select the model name of the indoor unit, select "2. Model name selection" of "4. Indoor unit model name".
→ To select the serial number of the indoor unit, select "2.Serial No. selection" of "5. Indoor unit serial No.".

**2** Push the [∧] / [∨] button to select "Remote controller" or "Outdoor unit".
→ When "Outdoor unit" or "Indoor unit" is selected, the model name or serial number received from the outdoor or indoor unit is displayed.
→ When "Remote controller" is selected, the manually entered model name or serial number is displayed.
→ The factory default is "Outdoor unit" or "Indoor unit".

3 Push the [▤ MENU] button.
→ The screen returns to the "Outdoor model name" screen.

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– 20 –

Checking the model name or serial number

The model name or serial number to be displayed on the Outdoor (Indoor) model name or Outdoor (Indoor) unit serial No. screen is displayed.
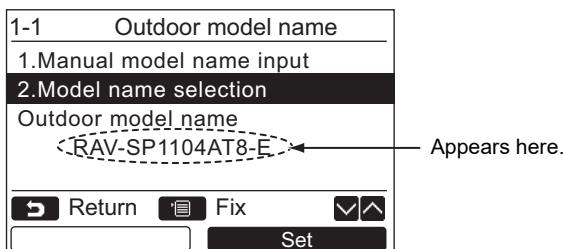
```
1-1        Outdoor model name
 1.Manual model name input
 2.Model name selection
Outdoor model name
     RAV-SP1104AT8-E                    ← Appears here.

  ⤺ Return   ▤ Fix         ∨∧
  ▢                   Set
```

3. Alarm history

List of latest 10 alarm data: information of check code, date, time, and unit, is displayed.

```
      Field setting menu(1/2)
 1.Test mode
 2.Register service info.
 3.Alarm history
 4.Monitor function
 5.Setting louver position
  ⤺ Return              ∨∧
  ▢                   Set
```
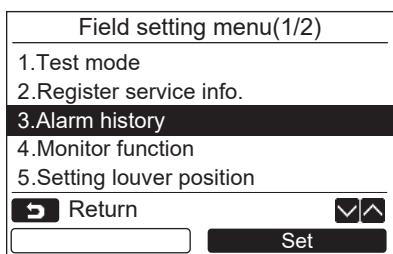
1 Push the [∧] / [∨] button to select "3. Alarm history" on the "Field setting menu" screen, then push the " Set " [F2 F2] button.

List of latest 10 alarm data is displayed.

* The oldest data are deleted in order to record the new ones.

→The date and time when the check code occurred for the first time is displayed for the repeated alarm.

```
           Alarm history
    Unit  Code   Date      Time
 1. 1–2   E04   31/12/2018  12:25
 2.  –     –       –         –
 3.  –     –       –         –
 4.  –     –       –         –
  ⤺ Return              ∨∧
  ▢                  Reset
```
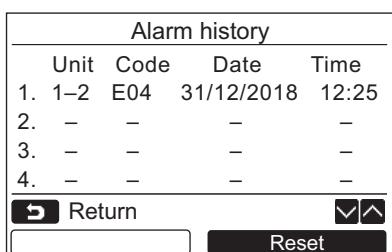
Deleting the alarm history

```
           Alarm history


      Reset all alarm data.



  ⤺ Return
  ▢  Yes             No
```
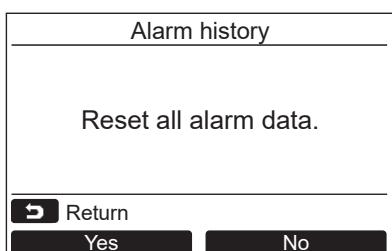
1 Push the " Reset Reset" [F2 F2] button while the list of Alarm history is displayed.

2 Push the " Yes Yes" [F1 F1] button after the confirmation screen is displayed.

→Delete the Alarm history in each remote controller when the dual remote controller system is used.

4. Monitor function

The sensor temperature or operational status of indoor unit, outdoor unit, or remote controller can be monitored.

```
        Monitor function

   Code            Data
    00             0024


   Return                    ∨ ∧
```
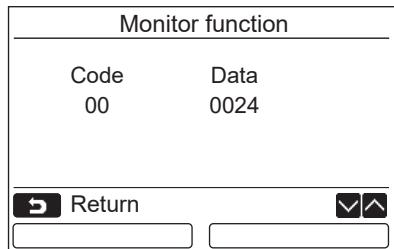
1 Push the [∧] / [∨] button to select "4. Monitor function" on the "Field setting menu" screen, then push the "Set" [F2] button.
→ Push the [∧] / [∨] button to select the code to check data.

2 Refer to the Installation Manual supplied with the indoor unit or outdoor unit or service manual for details about the check code and data.

3 Push the [CANCEL] button to return to the "Field setting menu" screen.

EN

5. Setting louver position

The louver indication setting can be changed.

```
        Setting louver position
1.Fixed position indication
    ● ON      /   OFF
2.Operation mode
 ● Up/Down    /   Left/Right

 ⤺  Return    ▤  Fix          ▽ ∧
    ←  ●              ●  →
```
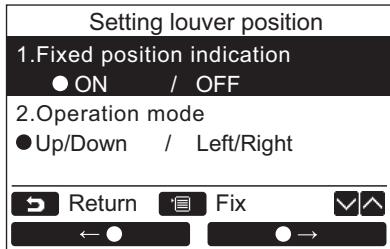
1 Push the [∧ ∧] / [∨ ∨] button to select "5. Setting louver position", then push the " Set " [F2 F2] button.

→"Impossible" is displayed in the case of a model for which the wind direction cannot be set.

→● is displayed for the selected item.

2 Push the [∧ ∧] / [∨ ∨] button to select an item on the "Field position indication" screen.
The highlighted item can be set.

→Move ○ with the " ← ● ←●" [F1 F1] / " ● → ●→" [F2 F2] button to set the setting.

3 After setting each item, push the "MENU" [▤ MENU] button to confirm the changes to the settings.

Change the flap position indication for when swinging is cancelled in [Fixed position indicator].

→When "ON" is selected, the louver stops and the indication becomes as shown on the right when swinging is cancelled.
(Factory default)

→When "OFF" is selected, the stop position and indication becomes as shown on the right after swinging is cancelled.

Change the louver operation direction indication in [Operation mode].

→When "Up/Down" is selected, the louver operation direction indication becomes as shown on the right.
(Factory default)

→When "Left/Right" is selected, the louver operation direction indication becomes as shown on the right.
This can be used with a model whose louver moves left and right.

6. Setting timer operation mode

Set the operation mode setting in the setting timer operation mode.

```
┌─────────────────────────────────┐
│   Setting timer operation mode   │
├─────────────────────────────────┤
│ Operation mode switching         │
│       ON        /● OFF           │
│                                  │
│                                  │
│  ⤺ Return    ▤  Fix              │
│  ┌──────────┐   ┌──────────┐     │
│  │  ← ●     │   │    ● →    │     │
│  └──────────┘   └──────────┘     │
└─────────────────────────────────┘
```
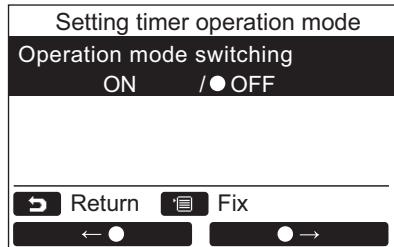
1 **Push the [∧] / [∨] button to select "6. Setting timer operation mode", then push the " [Set] Set" [F2] button.**
→Move ● with the " [← ●] " [F1] / " [● →] " [F2] button to set the setting.
● is displayed for the selected item.

2 **Push the "MENU" button to confirm the change and return to the "Field setting menu" screen.**
Push the "CANCEL" button to return to the "Field setting menu" screen without confirming the change.

EN

7. DN setting

Perform the advanced settings for the air conditioner.
Carry out the setting operation while the indoor unit is stopped. (Turn off the air conditioning unit before starting the setting operation.)

DN setting
Code (DN)   Data
10   0000
⤺ Return ▤ Fix   ∨∧
<   >

DN setting
Code (DN)   Data
10   **0001**
⤺ Return ▤ Fix   ∨∧
<   >

DN setting
Continue?
⤺ Return
Yes   No
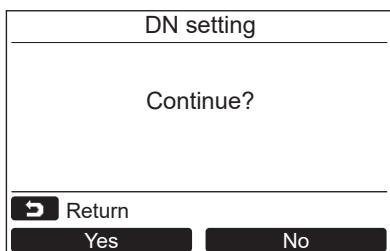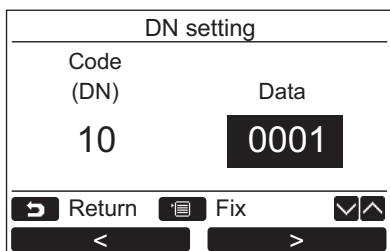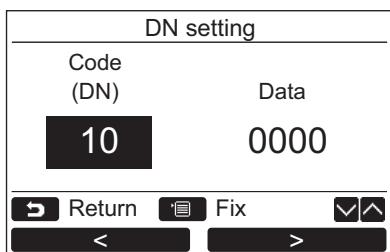
1 **Push the [∧ ∧] / [∨ ∨] button to select "7. DN setting" on the "Field setting menu" screen, then push the "▬ Set ▬ Set" [F2 F2] button.**

→The fan and louver of the indoor unit operate. When the group control is used, the fan and louver of the selected indoor unit operate.

→Move the cursor to select "Code(DN)" with the "▬ < ▬ <" [F1 F1] button, then set "Code(DN)" with the [∧ ∧] / [∨ ∨] button.

→Move the cursor to select "Data" with the "▬ > ▬ >" [F2 F2] button, then set "Data" with the [∧ ∧] / [∨ ∨] button.

2 **Refer to the Installation Manual supplied with the indoor unit or service manual for details about the Code(DN) and Data.**

3 **Push the [▤ MENU] button to set the other Code(DN) and Data. After "Continue?" is displayed on the screen, push the "▬ Yes ▬ Yes" [F1 F1] button.**

4 **Push the "▬ No ▬ No" [F2 F2] button to finish the setting operation. "⧗ Setting" appears on the screen for a while, then the screen returns to the "Field setting menu" screen.**

→Pushing the "▬ No ▬ No" [F2 F2] button displays the unit selection screen when the group control is used. Push the [▣ CANCEL] button on the unit selection screen to finish the setting operation. "⧗ Setting" appears on the screen for a while, then the screen returns to the "Field setting menu" screen.

NOTE

- The following changes are settings to be configured by installation and service personnel.
  If they are set incorrectly, trouble such as the product becoming inoperable may occur.
- For indoor units which do not support the functions below, the following DN code settings may not be possible.
- Do not perform header/follower connection for a remote controller which does not support the functions below.
- For operation when connected to an air conditioning control system which does not support the functions below, refer to "Changing the temperature" in the Owner's Manual.

DN	Item	Description	Factory default
77	Dual set point setting	0000: Normal automatic 0002: Dual automatic	0000

8. Reset power consumption data

Power consumption data saved in the remote controller can be reset.

Reset power consumption data
May I really reset data?
⤺ Return
Yes   No
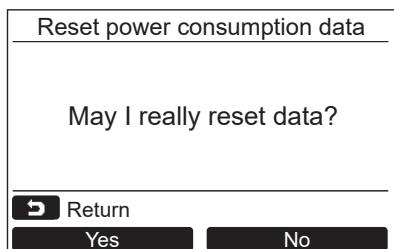
1 Push the [∧ ∧] / [∨ ∨] button to select "**8. Reset power consumption data**" on the "**Field setting menu**" screen, then push the "[Set] **Set**" [F2 **F2**] button.

2 To reset the power consumption data, push the "[Yes] **Yes**" [F1 **F1**] button.
→Data is reset and the display returns to the "Initial setting" screen.

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