

OPERATING MANUAL

PART NO. 9380859017
WIRED REMOTE CONTROLLER

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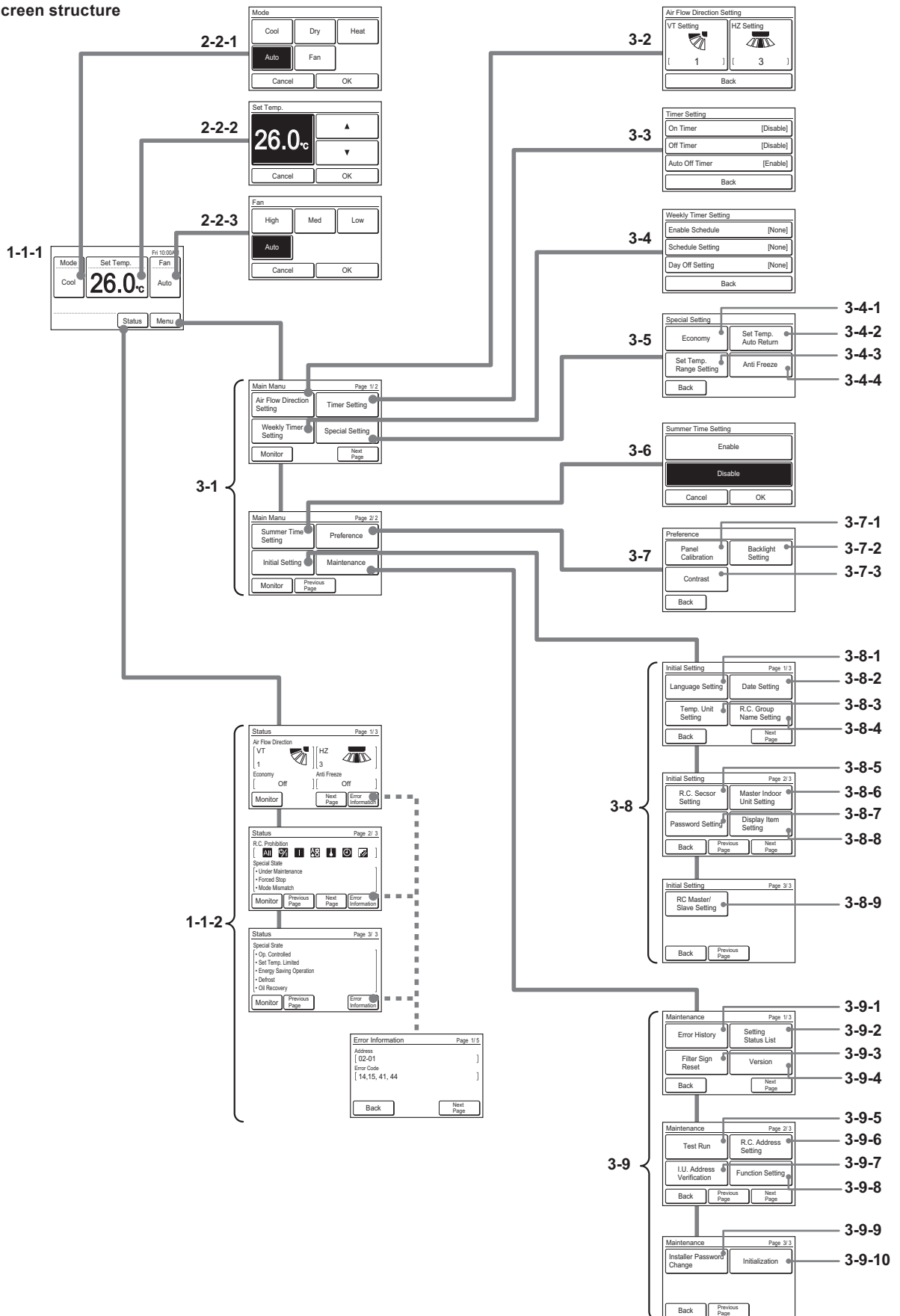
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Screen structure




INTRODUCTION

■ SAFETY PRECAUTIONS

- The "SAFETY PRECAUTIONS" indicated in the manual contain important information pertaining to your safety. Be sure to observe them.
- For details of the operation methods, refer to the manual.
- Request the user to keep the manual on hand for future use, such as for relocating or repairing the unit.

 WARNING	This mark indicates procedures which, if improperly performed, might lead to the death or serious injury of the user.
In the event of a malfunction (burning smell, etc.), immediately stop operation, turn off the electrical breaker, and consult authorized service personnel.	
Do not repair or modify any damaged cable by yourself. Let the authorized service personnel to do it. Improper work will cause an electric shock or a fire.	
When moving, consult authorized service personnel for uninstallation and installation of this unit.	
Do not touch with wet hands. It may cause an electric shock.	
If children may approach the unit, take preventive measures so that they cannot reach the unit.	
Do not repair or modify by yourself. It may cause a fault or accident.	
Do not use flammable gases near the unit. It may cause a fire from leaking gas.	

 CAUTION	This mark indicates procedures which, if improperly performed, might possibly result in personal harm to the user or damage to property.
Do not set vessels containing a liquid on this unit. Doing so will cause heating, fire or electric shock.	
Do not expose this unit directly to water. Doing so will cause trouble, electric shock or heating.	
Dispose of the packing materials safely. Tear and dispose of the plastic packing bags so that children cannot play with them. There is the danger of suffocation if children play with the original plastic bags.	
Do not place electrical devices within 1 m (40 in.) of this unit. It may cause malfunction or failure.	
Do not use fire near this unit or place a heating apparatus nearby. It may cause malfunction.	
Do not touch the switches with sharp objects. Doing so will cause injury, trouble, or electric shock.	
This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.	

■ SYSTEM OUTLINE

1 Terminology

System related terms

- Heat recovery system:**
The indoor unit connects to the outdoor unit via an RB unit in this system. RB units of single type and 4-system multi type are available. Indoor units connected to RB units of a different system perform cooling operation and heating operation simultaneously. An indoor unit connected to an outdoor unit without going through an RB unit are for cooling only.
- Heat pump system:**
This is standard system. Indoor units connected to the same outdoor unit do not perform cooling operation and heating operation simultaneously.
- RB Group [For Heat Recovery System]:**
A group of indoor units connected to a single type RB unit or each system of a multi type RB unit. Cooling operation and heating operation are not performed simultaneously in an RB Group.
- R.C. Group (Remote Controller Group):**
This forms a group by connecting indoor units by remote controller cable. Each 1 unit of ungrouped indoor unit makes up an R.C. Group. It is the minimum unit of operation.
- Refrigeration system:**
This is a system composed of indoor units and outdoor units connected by the same refrigerant piping.
- System:**
This is 1, 2 or more Refrigerant Systems connected by the same transmission cable.
- Central controller:**
A central remote controller can control the multiple R.C. Groups. There is a System Controller, Touch Panel Controller, and a Central Remote Controller.
- Standard remote controller:**
A standard remote controller is a remote controller which controls 1 R.C. group. This unit corresponds to this. This unit cannot be used together with a 3-wire type Wired Remote Controller. A Wireless Remote Controller can be used together with this unit.

Address related terms

- Indoor unit address:**
This is an ID individually assigned to each indoor unit.
- Remote controller address:**
This is an ID individually assigned separately from the indoor unit address to indoor units which form an R.C. Group.

2 Password configuration

This unit can set the following 2 kinds of passwords:

(a) Password

This is a password for manager. Password is requested by the setting which requires management. For a description of password setting and change, refer to [3. SETTING] → [3.8 Initial Setting] → [3-8-7 Password Setting].

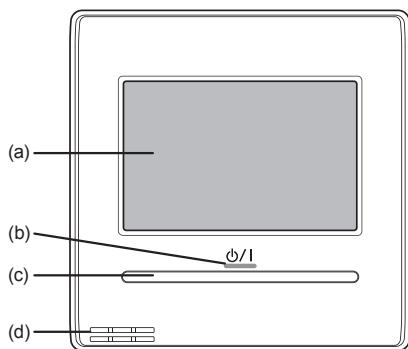
(b) Installer password

Password is requested by important setting at installation. For a description of installer password setting and change, refer to [3. SETTING] → [3.8 Initial Setting] → [3-9 Maintenance] → [3-9-9 Installer Password Change].

Note

If you forget a password, contact your local dealer.

3 Name of parts



(a) Touch panel display

- When the screen is touched or the On/Off button is pressed while backlight is set to Enable, backlight lights. Backlight goes off 30 or 60 seconds after the last operation. When backlight is set to Disable, it does not light. For a description of backlight setting, refer to [3. SETTING] → [3-7 Preference] → [3-7-2 Backlight Setting].
- Lightly touch the touch panel with your finger tips. A commercially available stylus pen can also be used. If pushed with too much force or operated with a rod, pencil, or ballpoint pen, etc., the display may be scratched or damaged.
- Do not touch 2 or more places simultaneously. Correct operation cannot be performed.
- When cleaning the touch panel display, setting child lock prevents erroneous operation. (Refer to [1 MONITOR] → [1-1 Monitor] → [1-1-3 Child Lock].) When cleaning, do not use detergent or alcohol, paint thinner, etc. It will cause accidents or loss of appearance.

(b) LED lamp (Power Indicator)

Lights while the indoor unit is operating. Blinks when an error is generated.

(c) On/Off button

(d) Room temperature sensor (Inside)

Setting is necessary to use this sensor. Refer to [3. SETTING] → [3-8 Initial Setting] → [3-8-5 R.C. Sensor Setting].

INITIALIZATION

■ INITIALIZATION PROCEDURE

After remote controller installation work is complete, perform initialization using the following procedures before starting to use the system.

Turn on the power



Setting of first time start

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Initial setting

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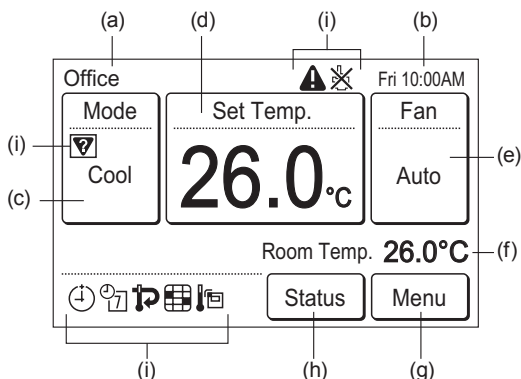
Initialization end

1 MONITOR

1-1 Monitor

1-1-1 Monitor Mode Screen

Monitor Mode Screen is home screen of this unit.



- (a) R.C. group name:
Name of the remote controller group to which this unit is connected. Refer to [3 Setting] → [3-8 Initial Setting] → [3-8-4 R.C.Group Name Setting].
- (b) Clock:
Refer to [3 SETTING] → [3-8 Initial Setting] → [3-8-2 Date Setting].
- (c) Mode:
When this is touched, the display switches to the "Mode" screen. Refer to [2 CONTROL] → [2-2 Operation Settings] → [2-2-1 Set the Operation Mode].
- (d) Set temp.:
When this is touched, the display switches to the temperature setting screen. Refer to [2 CONTROL] → [2-2 Operation Settings] → [2-2-2 Set the Temperature].
- (e) Fan:
When this is touched, the display switches the fan speed setting screen. Refer to [2 CONTROL] → [2-2 Operation Settings] → [2-2-3 Set the Fan Speed].
- (f) Room Temp.:
This unit ambient temperature sensed by this unit is displayed. Refer to [3 SETTING] → [3-8 Initial Setting] → [3-8-8 Display Item Setting].
- (g) Menu:
When this is touched, the display switches to the "Menu" screen. Refer to [3 SETTING].
- (h) Status:
When this is touched, the display switches to the "Status" screen. Refer to [1-1-2 Status Display].
- (i) Status icons:
 - ⚠ The error occurred. Refer to [5 OTHERS] → [5-3 Error Code].
 - ⛔ Operation from this unit is prohibited by the Central Controller. Refer to [1-1-2 Status Display].
 - ❏ Mode mismatch. The mode which cannot operate simultaneously is selected. Refer to [1-1-2 Status Display].
 - 🕒 The On Timer, Off Timer, or Auto Off Timer is set. Refer to [3 SETTING] → [3-3 Timer Setting].
 - 📅 The weekly timer is set. Refer to [3 SETTING] → [3-4 Weekly Timer Setting].
 - 🔄 The set temperature automatic return setting is set. Refer to [3 SETTING] → [3-5 Special Setting] → [3-5-2 Set Temp. Auto Return].

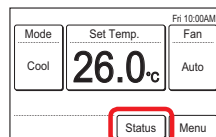
- 📅 It shows that it is time to clean the filter. Refer to [3 SETTING] → [3-9 Maintenance] → [3-9-3 Filter Sign Reset].
- 🌡 The temperature sensor of this unit is used. Refer to [3 SETTING] → [3-8 Initial Setting] → [3-8-5 R.C. Sensor Setting].

This product uses a Bitmap font made and developed by Ricoh Co.,Ltd.

1-1-2 Status Display

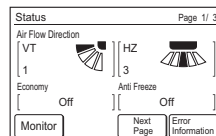
The remote controller and indoor unit setting status are displayed.

Touch the [Status] on Monitor Mode Screen.



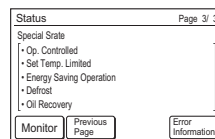
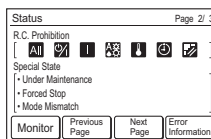
"Status" screen is displayed. "Status" screen has 2 or 3 pages which are switched by touching the [Next Page] or [Previous Page]. When the [Monitor] is touched, the display returns to the Monitor Mode screen. [Error Information] is displayed only when there is an error history. When the [Error Information] is touched, the display switches to "Error Information" screen. Refer to [5-3 ERROR CODE] for the errors.

< Page 1 >



- Air Flow Direction:
The air flow direction setting is displayed. Only the indoor units which can set air flow direction are displayed.
- Economy:
ON or OFF of the economy setting is displayed.
- Anti Freeze:
ON or OFF of the anti freeze setting is displayed.

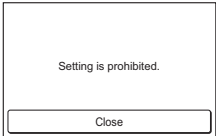
< Page 2 (to 3) >



- R.C. Prohibition (Page 2):
The functions whose operation from this unit and Wireless type remote controller is prohibited by the Central Controller are displayed by icons. The contents of each icon are as follows:

- ⛔ :All operations
- ⛔ :On
- 🌡 :Temperature setting
- 📅 :Filter sign reset
- 🔄 :On and Off
- ⚙ :Mode setting
- 🕒 :Timer setting

When you try to operate or set the prohibited function, the following screen is displayed and operation or setting is not possible. When the [Close] is touched, the display returns to the screen before operation was performed.



- **Special State (Page 2 or 3)**
The indoor unit status is displayed. When the contents to be displayed exceeds 3, they are displayed on the next page (Page 3). The status contents are as follows:

Under Maintenance:
Indoor unit is inspected. Indoor unit operation is stopped during this time.

Forced Stop:
Indoor unit is stopped forcibly by external input.

Mode Mismatch:
A mode which cannot be operated simultaneously with a master indoor unit or other operating indoor unit is set in the same RB group of a heat recovery system or in the same refrigerant system of a heat pump system. In this case, since the mode is switched to the fan mode, reset a mode that can be operated simultaneously. Refer to [4 OPERATION TIPS]→[4.1 Selectable Modes] for the modes which can be operated simultaneously.

Operation Controlled:
This content is displayed at the Slave indoor unit when Master indoor unit is set in the refrigerant system or RB Group to which this unit is connected. When a Master indoor unit is not set, this shows that there is already another indoor unit operating. Only a mode set by Master indoor unit or a mode that can be operated simultaneously with another operating indoor unit can be selected. Refer to [3 Setting]→[3-8 Initial Setting]→[3-8-6 Master Indoor unit Setting] for a description of Master Indoor unit setting. Even if the external input priority is set in the outdoor unit or RB unit, it will be displayed. Refer to [4.OPERATION TIPS] for the modes which can be operated simultaneously.

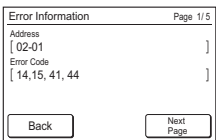
Set Temp. Limited:
Indoor unit temperature setting is limited by the Central controller.

Energy Saving Operation:
The energy saving is set by the Energy Manager for System Controller.

Defrost:
At heating operation, the outdoor unit performs Defrost operation. The indoor unit fan is stopped during this time.

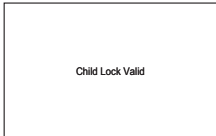
Oil Recovery:
The outdoor unit performs oil recovery operation. The indoor unit fan may be stopped during this time.

< Error Information screen>

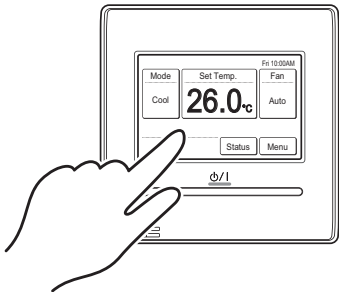


1-1-3 Child Lock

When this screen is displayed by touching the Monitor Mode screen, the unit is in child lock.



- **Child lock set/reset:**
Press the On/Off button for 4 seconds or more while touching an area outside the operation section of the Monitor Mode Screen (no response even if touched). Set/reset can be performed even while the indoor unit is stopped. The setting cannot be performed at screens other than the Monitor Mode Screen.



1-1-4 Emergency Stop

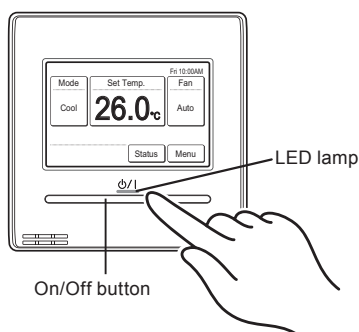


This screen is displayed when the system was emergency stopped by operation from the outside. When emergency stop is reset, the Monitor Mode Screen is displayed.

2 CONTROL

2-1 On and Off

- Press the [On/Off] button.



The LED lamp remains lit while the indoor unit is operating.

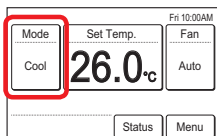
Note

The On/OFF button cannot be operated at screens other than the Monitor Mode Screen.

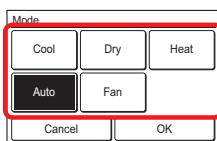
2-2 Operation Settings

2-2-1 Set the Operation Mode

- Touch the [Mode] on the Monitor Mode Screen.

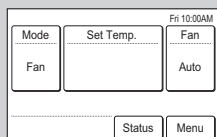


- "Mode" screen is displayed. Select the operation mode.



Notes

- Only selectable modes are displayed. The selectable modes may be different depending on the system configuration and operation status. Refer to [4.OPERATION TIPS]→[4-1 Selectable modes].
- When the [Fan] was set, the temperature cannot be set.

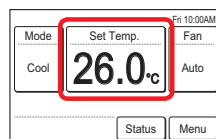


- When "Auto" is selected at "Master Indoor Unit", "(Auto)" is displayed at the Monitor Mode Screen of Slave Indoor Unit.
- When the operation mode is switched in a heat recovery system, operation preparations may take some time, but this is not a malfunction.

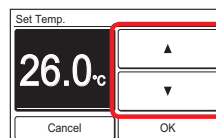
- When the [OK] is touched, the display returns to the Monitor Mode Screen.

2-2-2 Set the Temperature

- Touch the [Set Temp.] on the Monitor Mode Screen.



- "Set Temp." screen is displayed. Adjust the room temperature with the [▲] or [▼].



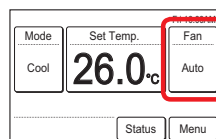
Notes

- The settable temperature range is different depending on the operation mode and indoor unit settings. Refer to [4 OPERATION TIPS]→[4-4 Selectable Temperature Range].
- When set temperature range is set, conforms to the setting. Refer to [3 SETTING]→[3-5 Special Setting]→[3-5-3 Set Temp. Range Setting].

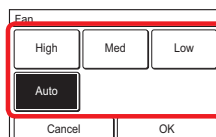
- When the [OK] is touched, the display returns to the Monitor Mode Screen.

2-2-3 Set the Fan Speed

- Touch the [Fan] on the Monitor Mode Screen.



- "Fan" screen is displayed. Select the fan speed.

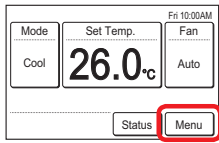


- When the [OK] is touched, the display returns to the Monitor Mode Screen.

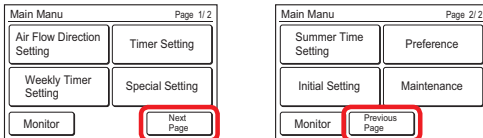
3 SETTING

3-1 Select the Setting Items

- (1) Touch the [Menu] on the Monitor Mode Screen.



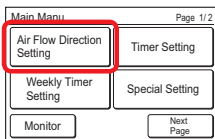
- (2) "Main Menu" screen is displayed. The screen has 2 pages which are switched by touching the [Next Page] or [Previous Page].



When the item to be set is touched, each setting screen is displayed. Refer to the description of each item for details. When each setting is complete or canceled, the display returns to this screen. When [Monitor] is touched, the display returns to the Monitor Mode Screen.

3-2 Air Flow Direction Setting

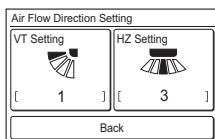
- (1) Touch the [Air Flow Direction Setting] on the "Main Menu" screen.



Note

When an air flow direction adjustment function is not provided such as a duct type indoor unit, etc., a "No Function" message screen is displayed. When [Close] is touched, the display returns to the "Main Menu" screen.

- (2) "Air Flow Direction Setting" screen is displayed. When the [VT Setting] or [HZ Setting] is touched, each setting screen is displayed.



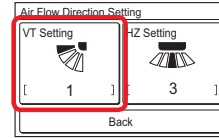
When the [OK] or [Cancel] is touched at each setting screen, the display returns to this screen. When [Back] is touched, the display returns to the "Main Menu" screen.

Note

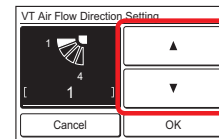
When the indoor unit does not have a horizontal air flow direction adjustment function, [HZ] is not displayed and the air flow direction cannot be set.

3-2-1 VT Air Flow Direction

- (1) Touch the [VT Setting] on the "Air Flow Direction Setting" screen.



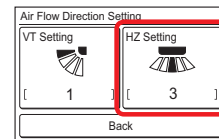
- (2) "VT Air Flow Direction Setting" screen is displayed. Touch [▲] or [▼] and set the air flow direction or the [Swing].



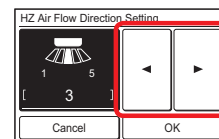
- (3) When the [OK] is touched after setting, the data is transmitted to the indoor unit and the display returns to the "Air Flow Direction Setting" screen.

3-2-2 HZ Air Flow Direction

- (1) Touch the [HZ Setting] on the "Air Flow Direction Setting" screen.



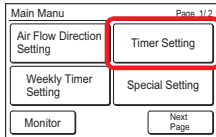
- (2) "HZ Air Flow Direction Setting" screen is displayed. Touch [◀] or [▶] and set the air flow direction or the [Swing].



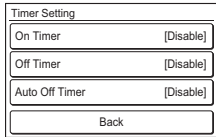
- (3) When the [OK] is touched, after the data is transmitted to the indoor unit, the display returns to the "Air Flow Direction Setting" screen.

3-3 Timer Setting

- (1) Touch the [Timer Setting] on the "Main Menu" screen.



- (2) "Timer Setting" screen is displayed.



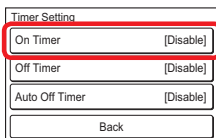
The following timer settings are possible:

- On Timer:
The stopped indoor unit starts to operate after the set time.
- Off Timer:
The operating indoor unit stops to operate after the set time.
- Auto Off Timer:
When indoor unit operation is started by the On/Off button of this unit, operation stops after the set time.

When the item to be set is touched, the display switches to each setting screen. When each setting is complete or canceled, the display returns to this screen. When [Back] is touched, the display returns to the "Main Menu" screen.

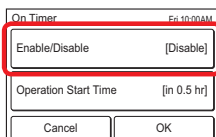
3-3-1 On Timer

- (1) Touch the [On Timer] on the "Timer Setting" screen. When the "Password Verification" screen was displayed, enter the password and touch [OK].

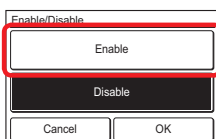


• Enable the On Timer.

- (2) "On Timer" screen is displayed. Touch the [Enable/Disable] on the "On Timer" screen.



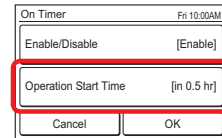
- (3) "Enable/Disable" screen is displayed. Touch the [Enable].



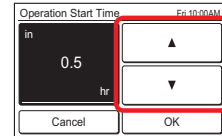
When the [OK] is touched, the display returns to the "On Timer" screen.

• Set the Operation Start Time

- (4) Touch the [Operation Start time] on the "On Timer" screen. "Operation Start time" screen is displayed.



- (5) Set the time by touching [▲] or [▼].



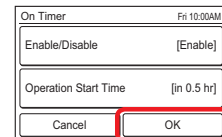
When the [OK] is touched, the display returns to the "On Timer" screen.

Note

Up to 24 hours can be set.

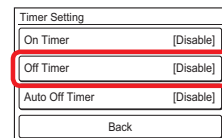
• Apply the setting.

- (6) Touch the [OK] on the "On Timer" screen. After the setting change screen was displayed, the display returns to the "Timer Setting" screen.



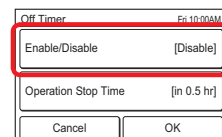
3-3-2 Off Timer

- (1) Touch the [Off Timer] on the "Timer Setting" screen. When the "Password Verification" screen was displayed, enter the password and touch [OK].

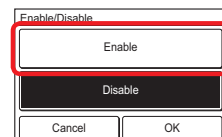


• Enable the Off Timer.

- (2) "Off Timer" screen is displayed. Touch the [Enable/Disable].



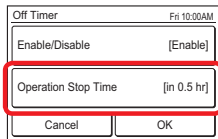
- (3) "Enable/Disable" screen is displayed. Touch the [Enable].



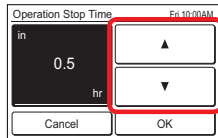
When the [OK] is touched, the display returns to the "Off Timer" screen.

- **Set the Operation Stop Time**

- (4) Touch the [Operation Stop time] on the "Off Timer" screen. "Operation Stop Time" screen is displayed.



- (5) Set the time by touching [▲] or [▼].



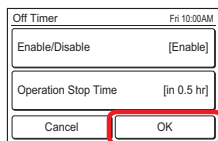
When [OK] is touched, the display returns to the "Off Timer" screen.

Note

Up to 24 hours can be set.

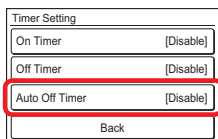
- **Apply the setting.**

- (6) Touch the [OK] on the "Off Timer" screen. After the setting change screen is displayed, the display returns to the "Timer Setting" screen.



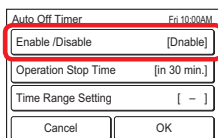
3-3-3 Auto Off Timer

- (1) Touch the [Auto Off Timer] on the "Timer Setting" screen. When the "Password Verification" screen was displayed, enter the password and touch [OK].

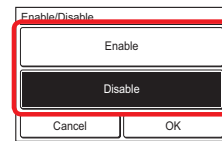


- **Enable the Auto Off Timer.**

- (2) "Auto Off Timer" screen is displayed. Touch the [Enable/Disable] on the "Auto Off Timer" screen.



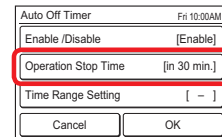
- (3) "Enable/Disable" screen is displayed. Touch the [Enable].



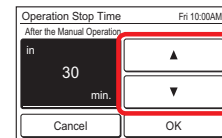
When the [OK] is touched, the display returns to the "Auto Off Timer" screen.

- **Set the Operation Stop Time**

- (4) Touch the [Operation Stop time] on the "Auto Off Timer" screen.



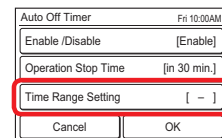
- (5) The "Operation Stop" time screen is displayed. Set the time with [▲] or [▼]. The time can be set within the 30 to 240 min. range in 10 min. units.



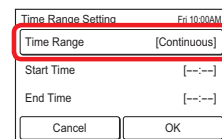
When the [OK] is touched, the display returns to the "Auto Off Timer" screen.

- **Set the time range of Auto Off Timer**

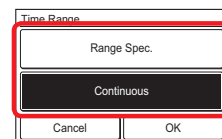
- (6) Touch the [Time Range Setting] on the "Auto Off Timer" screen.



- (7) "Time Range Setting" screen is displayed. Touch the [Time Range].



- (8) "Time Range" is displayed. When specifying the "Auto Off Timer" enabled time range, touch [Range Spec.] and when setting all day enable, touch [Continuous].



When the [OK] is touched, the display returns to the "Time Range Setting" screen. When the [Continuous] was selected, go to (14).

- (9) Touch the [Start Time] on the “Time Range Setting” screen.

- (10) “Start Time” screen is displayed. Set the Start Time by touching [▲] or [▼] on the “Start Time” screen.

When the [OK] is touched, the display returns to the “Time Range Setting” screen.

Note

The screen corresponding to the time display format setting is displayed.

- (11) Touch the [End Time] on the “Time Range Setting” screen.

- (12) “End Time” screen is displayed. Set the End Time by touching [▲] or [▼].

When the [OK] is touched, the display returns to the “Time Range Setting” screen.

- (13) Touch the [OK] on the “Time Range Setting” screen. The display returns to the “Auto Off Timer” screen.

• Apply the setting.

- (14) Touch the [OK] on the “Auto Off Timer” screen. After the setting change screen was displayed, the display returns to the “Timer Setting” screen.

3-4 Weekly Timer Setting (for manager)

Weekly operation schedule can be set. Two schedule patterns can be created. Up to 8 times setting for each day can be set.

- (1) Touch the [Weekly Timer Setting] on the “Main Menu” screen. After the “Password Verification” screen was displayed, enter the password and touch [OK].

- (2) “Weekly Timer Setting” screen is displayed.

The following contents are set:

- Enable Schedule:
The schedule to be used is selected or the Weekly Timer is disabled temporarily .
- Schedule Setting:
The daily operating schedule is created. Two schedule patterns can be created. Up to 8 times setting each day can be set.
- Day Off Setting:
Weekly Timer can be disabled each day within a range of 1 week. This is convenient when operation is not performed on holidays, etc. When the set day has passed, its setting is cleared.

When the item to be set is touched, each setting screen is displayed. Refer to the description of each item for details. When each setting is complete or canceled, the display returns to this screen. When [Back] is touched, the display returns to the “Main Menu” screen.

3-4-1 Enable Schedule

• Select the schedule to be used.

- (1) Touch the [Enable Schedule] on the “Weekly Timer Setting” screen.

- (2) “Enable Schedule” screen is displayed. Select and touch [Schedule 1] or [Schedule 2].

- (3) When the [OK] is touched, after a setting change screen is displayed, the display returns to the “Weekly Timer Setting” screen.

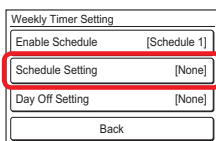
Note

To discontinue use of a schedule already set , touch [None] at (2).

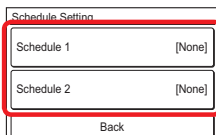
3-4-2 Schedule Setting

• Select the schedule to be set.

- (1) Touch the [Schedule Setting] on the “Weekly Timer Setting” screen.

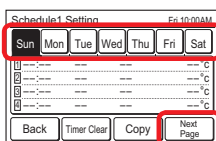


- (2) “Schedule Setting” screen is displayed. When the [Schedule 1] or [Schedule 2] is touched, each setting screen is displayed.

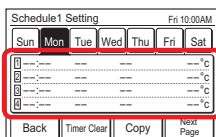


• Select the day of the week

- (3) Select by touching the day of the week on which schedule operation is to be performed. The settings for 4 times is displayed on this screen. When the contents are verified, switch the page by touching the [Next Page] or [Previous Page].

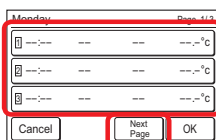


- (4) When the schedule display area is touched, the display switches to the setting screen of each day of the week.



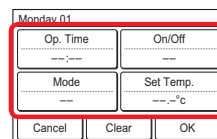
• Set the schedule for each day of the week.

- (5) The each day of the week setting screen has 3 pages which are switched by touching the [Next Page] or [Previous Page]. Setting of up to 3 times can be displayed on 1 page.

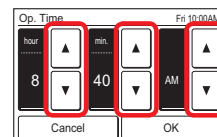


When number of setting performed within [1] to [8] is touched, the setting screen of each time is displayed.

- (6) The items that can be set at one time are the [Op. Time], [On/Off], [Mode], and [Set. Temp]. When each item is touched, each setting screen is displayed. To clear the setting here, when the [Clear] is touched, a verification screen is displayed. When the [Yes] is touched on the screen, the setting is cleared.



- (7) Touch the [Op. Time] on the screen of (6), and adjust the time with [▲] or [▼].

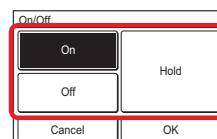


When the [OK] is touched, the display returns to the screen of (6).

Note

The screen corresponding to the time display format setting is displayed.

- (8) Touch the [On/Off] on the screen of (6), and select the [On],[Off] or [Hold].

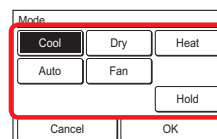


When the [OK] is touched, the display returns to the screen of (6).

Note

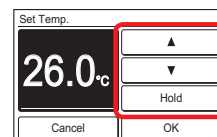
When the [Hold] is selected, the state of the indoor unit immediately before timer operation is held. When On/Off operation and setting were changed manually before timer operation, the new operation and setting are held.

- (9) Touch the [Mode] on the screen of (6), and select the operation mode.



When the [OK] is touched, the display returns to the screen of (6).

- (10) Touch the [Set. Temp] on the screen of (6), and adjust the room temperature with [▲] or [▼].



When the [OK] is touched, the display returns to the screen of (6).

<Example program>

		Time	On/Off	Mode	Temp.
Morning	[1]	08:00	On	Dry	28 °C
	[2]	10:00 AM	Hold	Cool	26 °C
Afternoon	[3]	12:00 PM	Hold	Hold	24 °C
	[4]	3:00 PM	Off	—	—
Night	[5]	5:00 PM	On	Hold	Hold
	[6]	7:00 PM	Hold	Hold	26 °C
—	[7]	9:00 PM	Off	—	—
	[8]	—	—	—	—

• End the setting of each day of the week.

- (11) When the [OK] on the screen of (6) is touched, the display returns to the screen of (5). When continuing setting of the same day of the week, repeat (5) to (11).

When the [OK] on the screen of (5) is touched, the display returns to the screen of (3).

A bar is displayed above the day of the week with a schedule set.

When performing a different setting at other day of the week, repeat (3) to (11).

• Copy the setting of each day of the week.

- (12) The contents of setting performed at a certain day of the week can be copied to other day of the week. Touch the day of the week to be copied and touch the [Copy].

Next, touch the day of the week to be pasted. When the [Paste] is touched, a dotted bar is displayed over the day of the week to be pasted. Next, other day of the week can be pasted.

To cancel the paste, touch the pasted day of week and touch the [Paste Clear].

When the [OK] is touched, a verification screen is displayed.

When the [Yes] on the verification screen is touched, the setting is pasted.

• Clear a day of the week setting.

To clear the setting contents of each day of the week, select the objective day of the week and touch the [Timer Clear].

A verification screen is displayed. When the [Yes] is touched, the setting is cleared.

• End the schedule setting.

When the [Back] is touched, the display returns to the screen of (2).

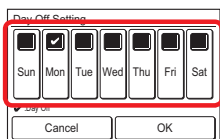
When the [Back] on the screen of (2) is touched, the display returns to the screen of (1).

3-4-3 Day Off Setting

- Set the day of the week on which Weekly Timer is to be temporarily disabled. When the set day has passed, the setting is cleared.

- (1) Touch the [Day Off Setting] on the “Weekly Timer Setting” screen.

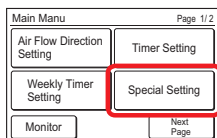
- (2) "Day Off Setting" screen is displayed. When the day of the week on which Weekly Timer is not to be performed is touched, a check mark is displayed.



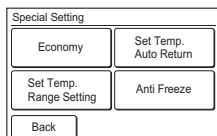
When setting is complete, touch the [OK]. After the setting complete screen was displayed, the display returns to the "Weekly Timer Setting" screen.

3-5 Special Setting

- (1) Touch the [Special Setting] on the "Main Menu" screen.



- (2) "Special Setting" screen is displayed.



The following contents are set:

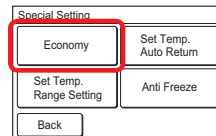
- **Economy:**
The temperature setting is offset automatically over a certain period of time. Heating: Max. -4°C (-8°F), Cooling: Max. $+2^{\circ}\text{C}$ ($+4^{\circ}\text{F}$)
- **Set Temp. Auto Return:**
Even if the temperature setting is changed during Cool or Heat mode operation, after the set time, the temperature automatically returns to the set temperature. The power consumption is suppressed by setting the temperature high during cooling and low during heating.
- **Set Temp. Range Setting:**
Power consumption by excessive temperature setting is suppressed by restricting the temperature setting range for each operation mode of Auto, Cool/Dry, or Heat.
- **Anti Freeze:**
"Anti Freeze" is a function which performs Anti freeze operation to prevent trouble due to freezing of the water lines and equipment when air conditioning operation was stopped in cold regions.

When the item to be set is touched, the display switches to each setting screen. When each setting is complete or canceled, the display returns to this screen. When [Back] is touched, the display returns to the "Main Menu" screen.

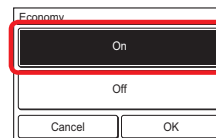
3-5-1 Economy

• On/Off of the Economy

- (1) Touch the [Economy] on the "Special Setting" screen.



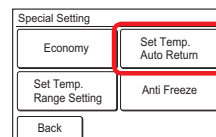
- (2) "Economy" screen is displayed. Touch the [On] or [Off] on the "Economy" screen.



When you touch the [OK], the data is transmitted to the indoor unit, and then it returns to "Special Setting" screen.

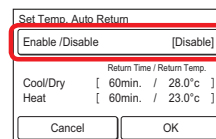
3-5-2 Set Temp. Auto Return

- (1) Touch the [Set Temp. Auto Return] on the "Special Setting" screen. When the "Password Verification" screen was displayed, enter the password and touch the [OK].

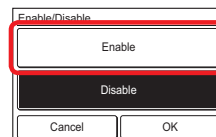


• Enable the Set Temp. Auto Return

- (2) "Auto Return" screen is displayed. Touch the [Enable/Disable] on the "Set Temp. Auto Return" screen.



- (3) "Enable/Disable" screen is displayed. Touch the [Enable] on the "Enable/Disable" screen.



When the [OK] is touched, the display returns to "Set Temp. Auto Return" screen.

• Set the Return Time and Temperature

- Touch the [Return Time/Return Temp.] on the “Set Temp. Auto Return” screen.

Set Temp. Auto Return	
Enable /Disable	[Enable]
Return Time / Return Temp.	
Cool/Dry	60min. / 28.0°C
Heat	60min. / 23.0°C
Cancel	OK

- “Setting” screen is displayed. When the [Cool/Dry] or [Heat] on the “Setting” screen is touched, the time and temperature setting screen is displayed.

Setting	
Cool/Dry	[60min. / 28.0°C]
Heat	[60min. / 23.0°C]
Back	

- Set the time and temperature by touching [▲] or [▼]. The time can be set within the 10 to 120 min. range in 10 min. units.

Cool/Dry	
Return Time	Return Temp.
60 min.	28.0 °C
▲	▲
▼	▼
Cancel	OK

When the [OK] is touched, the display returns to the “Setting” screen.

- When the [Back] is touched, the display returns to the “Set Temp. Auto Return” screen.

• Apply the setting.

- Touch the [OK] on the “Set Temp. Auto Return” screen. After the setting change screen was displayed, the display returns to the “Special Setting” screen.

Set Temp. Auto Return	
Enable /Disable	[Enable]
Return Time / Return Temp.	
Cool/Dry	60min. / 28.0°C
Heat	60min. / 23.0°C
Cancel	OK

3-5-3 Set Temp. Range Setting

- Touch the [Set Temp. Range Setting] on the “Special Setting” screen. When the “Password Verification” screen was displayed, enter the password and touch the [OK]. “Set Temp. Range Setting” screen is displayed.

Special Setting	
Economy	Set Temp. Auto Return
Set Temp. Range Setting	Anti Freeze
Back	

• Apply the setting.

- Touch the [OK] on the “Set Temp. Range Setting” screen. After the setting change screen was displayed, the display returns to the “Special Setting” screen.

Set Temp. Range Setting		
Enable /Disable	[Enable]	
	Lower Limit	Upper Limit
Auto	[18.0°C	- 30.0°C]
Cool/Dry	[18.0°C	- 30.0°C]
Heat	[18.0°C	- 24.0°C]
Cancel	OK	

• Enable the Set Temp. Range Setting

- Touch the [Enable/Disable] on the “Set Temp. Range Setting” screen.

Set Temp. Range Setting		
Enable /Disable	[Disable]	
	Lower Limit	Upper Limit
Auto	[18.0°C	- 30.0°C]
Cool/Dry	[18.0°C	- 30.0°C]
Heat	[18.0°C	- 30.0°C]
Cancel	OK	

- “Enable/Disable” screen is displayed. Touch the [Enable] on the “Enable/Disable” screen.

Enable/Disable	
Enable	
Disable	
Cancel	OK

When the [OK] is touched, the display returns to the “Set Temp. Range Setting” screen.

• Set the Lower Limit and Upper Limit

- Touch the [Lower Limit/Upper Limit] on the “Set Temp. Range Setting” screen.

Set Temp. Range Setting		
Enable /Disable	[Enable]	
	Lower Limit	Upper Limit
Auto	[18.0°C	- 30.0°C]
Cool/Dry	[18.0°C	- 30.0°C]
Heat	[18.0°C	- 30.0°C]
Cancel	OK	

- “Setting” screen is displayed. Touch the [Auto], [Cool/Dry] or [Heat] on the “Setting” screen.

Setting	
Auto	[18.0°C - 30.0°C]
Cool/Dry	[18.0°C - 30.0°C]
Heat	[10.0°C - 30.0°C]
Back	

- Each setting screen is displayed. Set the temperature upper limit and lower limit by touching [▲] or [▼].

Auto	
Lower Limit	Upper Limit
18.0 °C	30.0 °C
▲	▲
▼	▼
Cancel	OK

When the [OK] is touched, the display returns to the “Setting” screen. If the [Back] on the “Setting” screen is touched, the display returns to the “Temp. Range Setting” screen.

Note

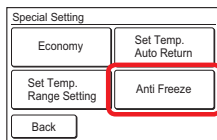
The settable upper limit value and lower limit value may be different depending on the indoor unit model and setting at installation.

• Apply the setting.

- Touch the [OK] on the “Set Temp. Range Setting” screen. After the setting change screen was displayed, the display returns to the “Special Setting” screen.

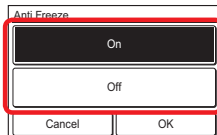
3-5-4 Anti Freeze

- (1) Touch the [Anti Freeze] on the "Special Setting" screen. When the "Password Verification" screen was displayed, enter the password and touch the [OK].



• On/Off of the Anti Freeze

- (2) "Anti Freeze" screen is displayed. Select the [On] or [Off] on the "Anti Freeze" screen.

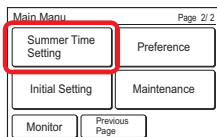


When the [OK] is touched, data transmission is performed and after the setting change screen is displayed, the display returns to the "Special Setting" screen.

3-6 Summer Time (Daylight Saving Time) Setting

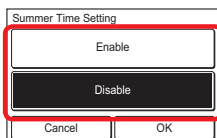
The time display and timer operation are 1 hour earlier than usual.

- (1) Touch the [Summer Time Setting] on the "Main Menu" screen.



• Enable or Disable the Summer Time Setting

- (1) "Summer Time Setting" screen is displayed. Select the [Enable] or [Disable] on the "Summer Time Setting" screen.

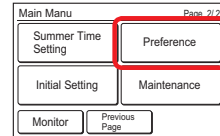


When the [OK] is touched, after the setting change screen was displayed, the display returns to the "Main Menu" screen.

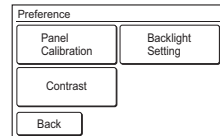
3-7 Preference

Settings of the Touch Panel Display

- (1) Touch the [Preference] on the "Main Menu" screen.



- (2) "Preference" screen is displayed.



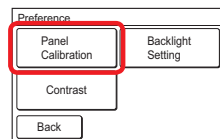
The following contents are set:

- Panel Calibration:
When the touched position and the corresponding position does not match on the screen, perform this setting.
- Backlight Setting:
Backlight enable/disable, brightness, and off time can be set.
- Contrast:
Adjusts the contrast of the screen.

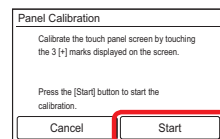
When the item to be set is touched, the display switches to each setting screen. When each setting is complete or canceled, the display returns to this screen. When [Back] is touched, the display returns to the "Main Menu" screen.

3-7-1 Panel Calibration

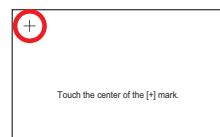
- (1) Touch the [Panel Calibration] on the "Preference" screen.



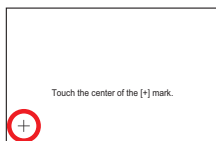
- (2) "Panel Calibration" screen is displayed. Touch the [Start] on the "Panel Calibration" screen.



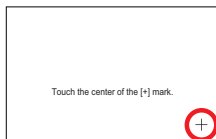
- (3) Touch the center of the [+] mark.



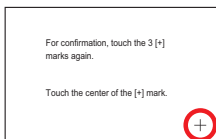
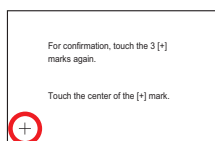
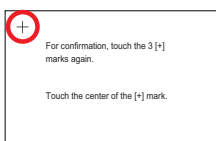
- (4) The [+] mark is displayed at the bottom left side of the screen. Touch the center of this mark.



- (5) The [+] mark is displayed at the bottom right side of the screen. Touch the center of this mark.



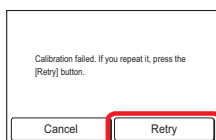
- (6) The [+] marks are sequentially displayed at 3 points on the screen again. Touch the center of each mark.



- (7) When calibration was successful, the display returns to the "Preference" screen.

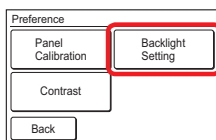
• If the Panel Calibration is failed

Screen that shows that calibration failed is displayed. To repeat calibration, touch [Retry] and repeat (2) to (6).



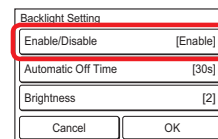
3-7-2 Backlight Setting

- (1) Touch the [Backlight Setting] on the "Preference" screen.

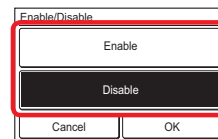


• Enable or disable the backlight

- (2) "Backlight Setting" screen is displayed. Touch the [Enable/Disable] on the "Backlight Setting" screen.



- (3) "Enable/Disable" screen is displayed. Select the [Enable] or [Disable].



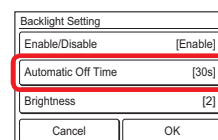
When the [OK] is touched, the display returns to the "Backlight Setting" screen.

Note

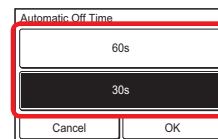
When set to "Disable", [Automatic Off Time] and [Brightness] setting are unnecessary. (Cannot be set) Go to (8).

• Set the time until backlight is turned off.

- (4) Touch the [Automatic Off Time] on the "Backlight Setting" screen.



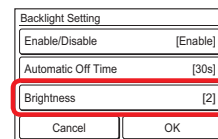
- (5) "Automatic Off Time" screen is displayed. Select the [60 sec.] or [30 sec.].



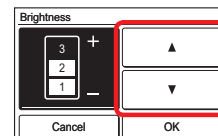
When the [OK] is touched, the display returns to the "Backlight Setting" screen.

• Adjust the brightness of Backlight

- (6) Touch the [Brightness] on the "Backlight Setting" screen.



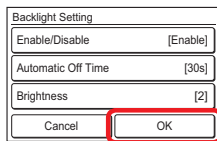
- (7) "Brightness" screen is displayed. Adjust the brightness with the [▲] or [▼].



When the [OK] is touched, the display returns to the "Backlight Setting" screen.

• **Apply the setting.**

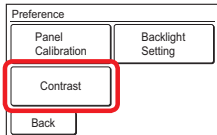
- (8) After setting is complete, touch the [OK] on the “Backlight Setting” screen.



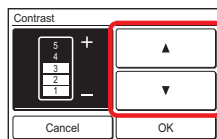
After the setting change was displayed, the display returns to the “Preference” screen.

3-7-3 Contrast Setting

- (1) Touch the [Contrast Setting] on the “Preference” screen.



- (2) “Contrast Setting” screen is displayed. Adjust the contrast with [▲] or [▼].

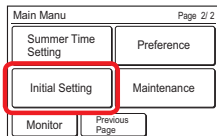


When the [OK] is touched, after the setting change screen was displayed, the display returns to the “Preference” screen.

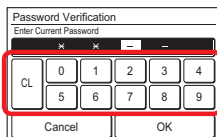
3-8 Initial Setting

Perform this setting at installation. The setting can also be changed after installation.

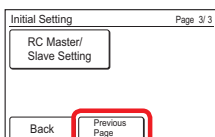
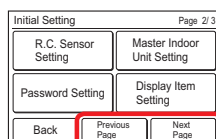
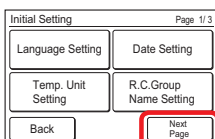
- (1) Touch the [Initial Setting] on the “Main Menu” screen.



- (2) “Password Verification” screen is displayed. Enter the Password (or Installer Password), and touch [OK].



- (3) If the password was entered correctly, the “Initial Setting” screen is displayed. The screen has 3 pages which are switched by touching the [Next Page] or [Previous Page].



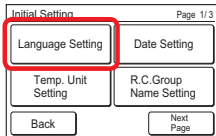
The following contents are set:

- **Language Setting:**
The displayed language is switched. The displayable languages are English (factory setting), Chinese, French, German, Spanish, Polish, and Russian.
- **Date Setting:**
The date and time display format are set. When the power was turned off, the date and time data hold time by built-in battery is approximately 7 days. When the power is turned off for longer than this, the date and time must be reset.
- **Temperature Unit Setting:**
The temperature display unit is switched to “°C” or “°F”. Factory settings is “°C”.
- **R.C. Group Name Setting:**
The remote controller group name can be set or changed.
- **R.C. Sensor Setting:**
This setting uses the sensor of this unit to sense the room temperature. The room temperature at a position near a person can be sensed by the indoor unit sensor. Factory settings is “Not Used”.
- **Master Indoor Unit Setting:**
One of multiple indoor units in a refrigerant system or an RB Group can be set as the Master indoor unit. In this case, only the same mode as the Master Indoor Unit can be set by the other indoor units in the refrigerant system or RB Group.
Setting the switch of the outdoor unit or RB unit which connects the indoor unit set as the Master indoor unit must be set. Refer to the installation manual of the outdoor unit or RB unit.
- **Password Setting (For Manager):**
The password setting and changes can be performed. In addition, password request to the following setting item On/Off can be set.
 - On Timer (3-3-1)
 - Off Timer (3-3-2)
 - Auto Off Timer (3-3-3)
 - Weekly Timer (3-4)
 - Set Temp. Auto Return (3-5-2)
 - Set Temp. Range Setting (3-5-3)
 - Anti Freeze (3-5-4)
 - Initial Setting / Maintenance (3-8 / 3-9)
- **Display Item Setting:**
Visible and Invisible switching of filter sign and room temperature can be performed.
- **RC Master/Slave Setting:**
When multiple remote controllers were installed to an R.C Group or 1 indoor unit, a remote controller master must be set. When the master remote controller is set first, the other remote controllers are automatically set to slave. Remote controllers set as slave cannot use the following functions:
 - 3-3 Timer Setting
 - 3-4 Weekly Timer Setting
 - 3-5-2 Set Temp. Auto Return
 - 3-9-8 Function Setting
 - 3-9-7 Indoor Unit Address Verification

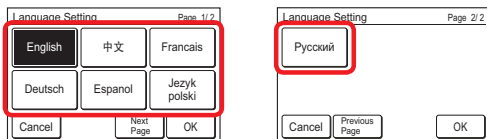
When the item to be set is touched, the display switches to each setting screen. When each setting is complete or canceled, the display returns to this screen. When [Back] is touched, the display returns to the “Main Menu” screen.

3-8-1 Language Setting

- Touch the [Language Setting] on the “Initial Setting” screen. “Language Setting” screen is displayed.



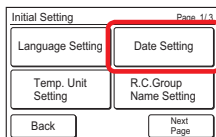
- This screen has 2 pages which are switched by touching the [Next Page] or [Previous Page]. Touch the language to be used.



- When the [OK] is touched, after a setting change screen is displayed, the display returns to the “Initial Setting” screen.

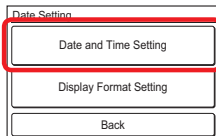
3-8-2 Date Setting

- Touch the [Date Setting] on the “Initial Setting” screen. “Date Setting” screen is displayed.

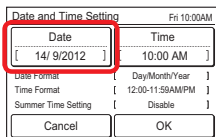


• Set the Date and Time

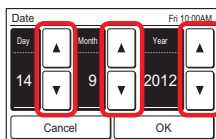
- Touch the [Date and Time Setting] on the “Date Setting” screen. “Date and Time Setting” screen is displayed.



- Touch the [Date] on the “Date and Time Setting” screen. “Date” screen is displayed.



- Set the date by touching [▲] or [▼].

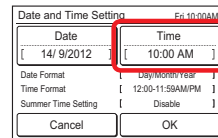


When the [OK] is touched, the display returns to the “Date and Time Setting” screen.

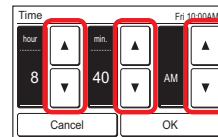
Note

The screen corresponding to the date display format setting is displayed.

- Touch the [Time] on the “Date and Time Setting” screen.



- “Time” screen is displayed. Set the Time with [▲] or [▼].



When the [OK] is touched, the display returns to the “Date and Time Setting” screen.

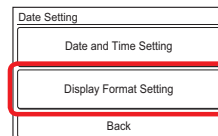
Note

The screen corresponding to the time display format setting is displayed.

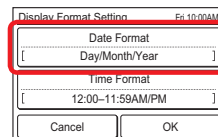
- When the [OK] on the “Date and Time Setting” screen is touched, after a setting change screen is displayed, the display returns to the “Time Format” screen.

• Set the Display Format of the Date and Time

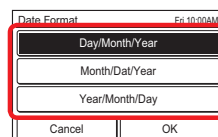
- Set the [Display Format Setting] on the “Date Setting” screen.



- “Display Format Setting” screen is displayed. Touch the [Date Format].

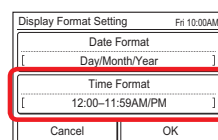


- “Date Format” screen is displayed. Select the desired format.

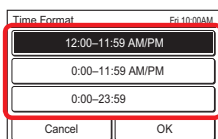


When the [OK] is touched, after a setting change screen is displayed, the display returns to the “Display Format Setting” screen.

- Touch the [Time Format Setting] on the “Display Format Setting” screen.



- (12) "Time Format" screen is displayed. Select the desired format.

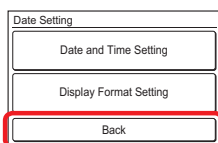


When the [OK] is touched, the display returns to the "Display Format Setting" screen.

- (13) When the [OK] on the "Display Format Setting" screen is touched, after a setting change screen is displayed, the display returns to the "Date" screen.

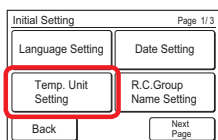
• Quit the Date setting

- (14) When the [Back] on the "Date Setting" screen is touched, the display returns to the "Initial Setting" screen.

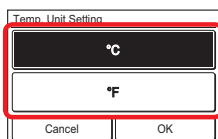


3-8-3 Temp. Unit Setting

- (1) Touch the [Temp. Unit Setting] on the "Initial Setting" screen.



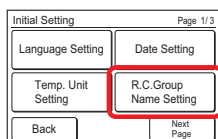
- (2) "Temp. Unit Setting" screen is displayed. Select the [°C] or [°F]. (Default is "°C".)



When the [OK] is touched, after a setting change screen is displayed, the display returns to the "Initial Setting" screen.

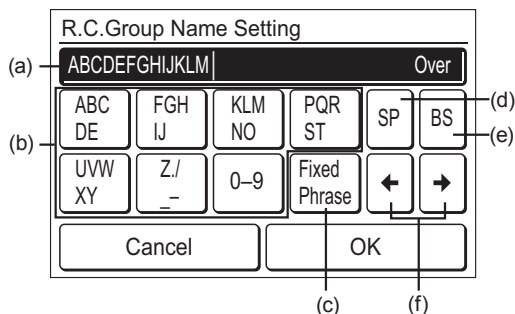
3-8-4 R.C.Group Name Setting

- (1) Touch the [R.C.Group Name Setting] on the "Initial Setting" screen.



"R.C.Group Name Setting" screen is displayed.

• Description of the screen



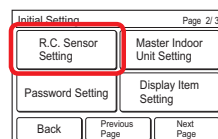
- (a) Input area:
When the available number of characters is exceeded, "Over" is displayed at the right end. (Alphabet 12 characters, Chinese 8 characters)
- (b) Character keys:
Touch the same key until the character to be used is displayed.
- (c) Fixed Phrase key:
[Floor, Corridor, Office, Conf Room, Receipt Room, Room, Room No., Front, Side, Entrance, Outlet, East, West, South, North, Window] is registered. Touch the [Fixed Phrase] key until the sentence to be used is displayed.
- (d) Space key
- (e) Backspace key
- (f) Cursor keys

• Change the R.C. Group Name

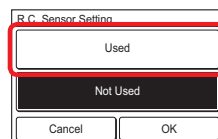
- (2) Touch each key and enter the name. When the [OK] is touched after that, after a setting change screen is displayed, the display returns to the "Initial Setting" screen.

3-8-5 R.C. Sensor Setting

- (1) Set the [R.C. Sensor Setting] on the "Initial Setting" screen.



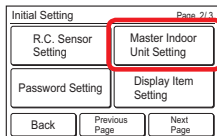
- (2) "R.C. Sensor Setting" screen is displayed. Touch the [Used].



When the [OK] is touched, after the data is transmitted to the indoor unit, the display returns to the "Initial Setting" screen.

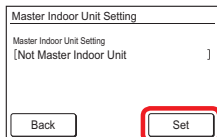
3-8-6 Master Indoor Unit Setting

- Touch the [Master Indoor Unit Setting] on the "Initial Setting" screen.

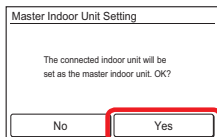


• Set to the Master Indoor Unit

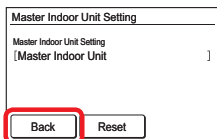
- "Master Indoor Unit Setting" screen is displayed. When the [Set] is touched, a verification screen is displayed.



- When the [Yes] is touched, after the data is transmitted to the indoor unit, the display returns to the "Master Indoor Unit Setting" screen.



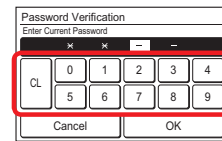
- When the [Back] on the "Master Indoor Unit Setting" screen is touched, the display returns to the "Initial Setting" screen.



Note

- When changing the Master Indoor Unit, first cancel the setting of the indoor unit currently set as the Master Indoor Unit, or a different indoor unit cannot be set as the new Master Indoor Unit.
- To clear a master indoor unit, touch [Reset] at (2). ("Reset" cannot be performed while the indoor unit is operating.)

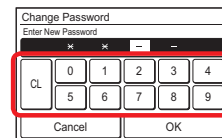
- "Password Verification" screen is displayed. Enter the current password, and touch the [OK].



Note

The default password is "0000" (4 digits).

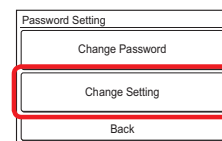
- If the password was entered correctly, the "Change Password" screen is displayed.



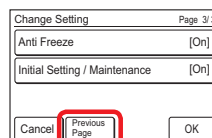
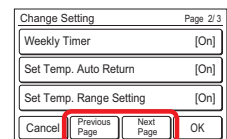
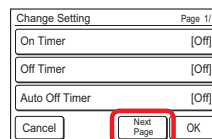
When the new password is entered and the [OK] is touched, after the setting change screen was displayed, the display returns to the "Password Setting" screen.

• Password request to the setting item On/Off is set.

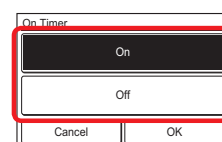
- Touch the [Change Setting] on the "Password Setting" screen.



"Change Setting" screen is displayed. The screen has 3 pages which are switched by touching the [Next Page] or [Previous Page].



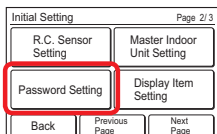
- When password request item to be set or cleared is touched, each setting screen is displayed.
- Touch the [On] or [Off]. (Ex. "On Timer" screen)



When the [OK] is touched, the display returns to the "Change Setting" screen.

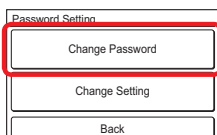
3-8-7 Password Setting (For Manager)

- Touch the [Password Setting] on the "Initial Setting" screen.



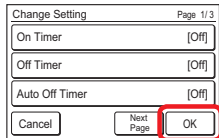
• Change the Password

- "Password Setting" screen is displayed. Touch the [Change Password].



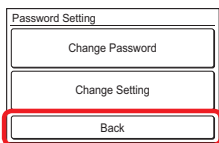
• **Apply the setting.**

- (8) When setting is complete, touch the [OK] on the “Change Setting” screen.
(Ex. Page 1/3)



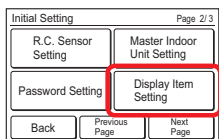
After the setting change screen was displayed, the display returns to the “Password Setting” screen.

- (9) When the [Back] on the “Password Setting” screen is touched, the display returns to the “Initial Setting” screen.



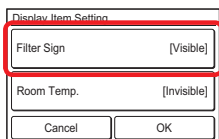
3-8-8 Display Item Setting

- (1) Touch the [Display Item Setting] on the “Initial Setting” screen.

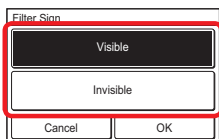


• **Filter sign visible/invisible**

- (2) “Display Item Setting” screen is displayed. Touch the [Filter Sign] on the “Display Item Setting” screen.



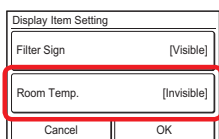
- (3) “Filter Sign” screen is displayed. Touch the [Visible] or [Invisible].



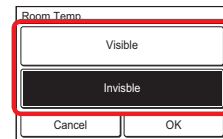
When the [OK] is touched, the display returns to the “Display Item Setting” screen.

• **Temperature visible/invisible**

- (4) Touch the [Room Temperature] on the “Display Item Setting” screen.



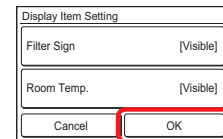
- (5) “Room Temp.” screen is displayed. Select the [Visible] or [Invisible].



When the [OK] is touched, the display returns to the “Display Item Setting” screen.

• **Apply the setting.**

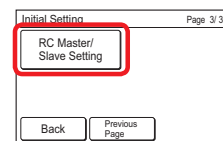
- (6) When the setting is complete, touch the [OK] on the “Display Item Setting” screen.



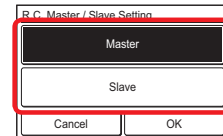
After the setting change screen was displayed, the display returns to the “Initial Setting” screen.

3-8-9 RC Master/Slave Setting

- (1) Touch the [RC Master/Slave Setting] on the “Initial Setting” screen.



- (2) “RC Master/Slave Setting” screen is displayed. Select the [Master] or [Slave].



When the [OK] is touched, the display returns to the “Initial Setting” screen.

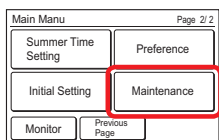
Note

Please set only one Master remote controller. Units other than Master are set to Slave automatically. Do not perform “RC Mater/Slave Setting” during setting or operating from the Master unit.

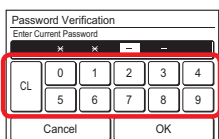
3-9 Maintenance (for manager)

Verification, operation, and setting for manager information are performed.

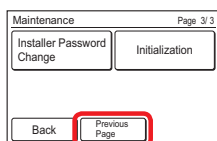
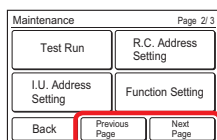
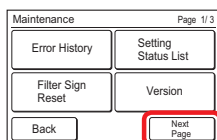
- Touch the [Maintenance] on the "Main Menu" screen.



- "Password Verification" screen is displayed. Enter the Password (or Installer Password), and touch the [OK].



- If the password was entered correctly, the "Maintenance" screen is displayed. The screen has 3 pages which are switched by touching the [Next Page] or [Previous Page].



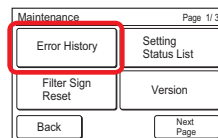
Verification, operation, and setting of the following contents are performed.

- Error History:**
The error history can be verified/cleared.
- Setting Status List:**
The status of each setting can be verified at a list.
- Filter Sign Reset:**
After the indoor unit filter is cleared, the filter sign can be reset.
- Version:**
The software version No. of this unit can be verified.
- Test Run:**
Test run is performed.
- R.C. Address Setting (for installer):**
Checking of the remote controller address of this unit and setting of an arbitrary address can be performed. This setting requires an installer password.
- Indoor Unit Address Verification (for installer):**
The address and position of the indoor units connected by this unit is verified. This setting requires an installer password.
- Function Setting (for installer):**
The function of the indoor units connected by this unit is set. Refer to the installation manual of each indoor unit for the contents of the indoor unit function setting. This setting requires an installer password.
- Installer Password Change:**
This setting requires a current installer password.

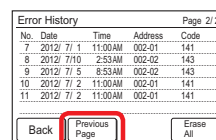
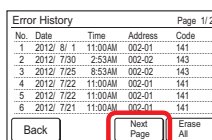
- Initialization:**
All the settings of this unit is returned to their factory state. This setting requires an installer password.
When the [Back] is touched at settings other than initialization, the display returns to the "Main Menu" screen. When initialization is performed, the setting screen at initial starting is displayed.

3-9-1 Error History

- Touch the [Error History] on the "Maintenance" screen.



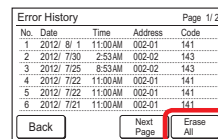
- "Error History" screen is displayed. When the screen has multiple pages, they can be switched by touching the [Next Page] or [Previous Page].



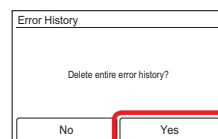
- When the [Back] is touched after verification, the display returns to the "Maintenance" screen.

• Erase the Error History

- Touch the [Erase All] on the "Error History" screen.

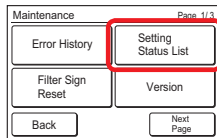


- A verification screen is displayed. When the [Yes] is touched after the history was cleared, the display returns to the "Error History" screen.

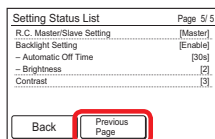
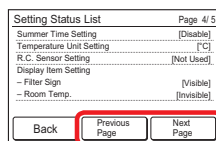
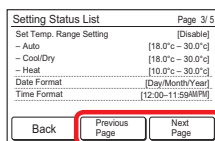
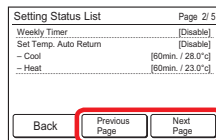
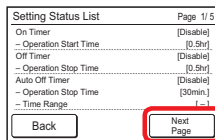


3-9-2 Setting Status List

- Touch the [Setting Status List] on the "Maintenance" screen.



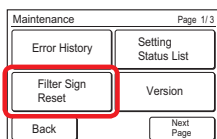
- "Setting Status List" screen is displayed. The screen has 5 pages which are switched by touching the [Next Page] or [Previous Page].



When the [Back] is touched, the display returns to the "Maintenance" screen.

3-9-3 Filter Sign Reset

- Touch the [Filter Sign Reset] on the "Maintenance" screen.



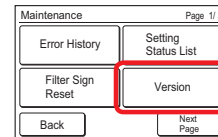
After the data transmission screen was displayed, the "Filter Sign Reset" screen is displayed.

- When the [OK] is touched, the indoor unit filter sign goes off and the display returns to the "Maintenance" screen.

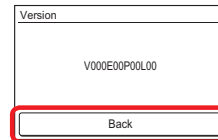


3-9-4 Version

- Touch the [Version] on the "Maintenance" screen.



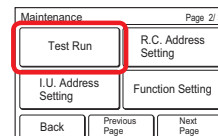
- "Version" screen is displayed.



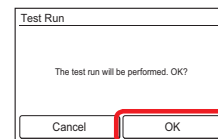
When the [Back] is touched, the display returns to the "Maintenance" screen.

3-9-5 Test Run (for installer)

- Touch the [Test Run] on the "Maintenance" screen.



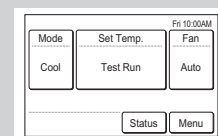
- Touch the [OK] on the "Test Run" screen.



After the transmission screen was displayed, the display returns to the "Maintenance" screen and test run starts. Test run automatically ends in about 1 hour.

Note

Temperature setting cannot be performed during test run.

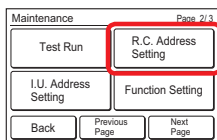


• When ending the test run in the middle

When the display returns to the "Monitor Mode" Screen and the On/Off button is pressed, test run ends.

3-9-6 R.C. Address Setting (for installer)

- (1) When the [RC Address Setting] on the "Maintenance" screen is touched, the "Installer Password Verification" screen is displayed.



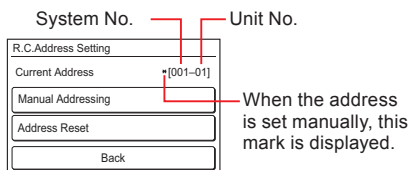
- (2) Enter the Installer Password, and touch the [OK]. "R.C.Address Setting" screen is displayed.

• Confirm the Remote Controller Address of this unit

Note

The address of this unit is set automatically. Do not change the indoor unit remote controller address from the factory setting "0". (Verify that the address is "0".) Refer to the indoor unit installation manual for the indoor unit remote controller address setting.

The address of this unit is displayed on the "R.C.Address Setting" screen.



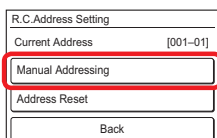
When the [Back] is touched, the display returns to the "Maintenance" screen.

• If manually setting the Remote Controller Address

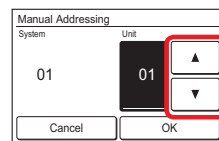
Note

Perform manual address setting only when setting the address with an arbitrary number. Indoor unit remote controller address setting is necessary. Set the remote controller address of indoor units connected by the same remote controller cable within a range of 1 to 9 and A (10) to F(15) so that there is no duplication. (Do not set to "0".) Refer to the indoor unit installation manual for the indoor unit remote controller address setting.

- (1) Touch the [Manual Addressing] on the "R.C.Address Setting" screen.



- (2) "Manual Addressing" screen is displayed. Set the address with [▲] or [▼].

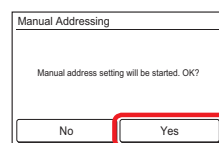


When the [OK] is touched, a verification screen is displayed.

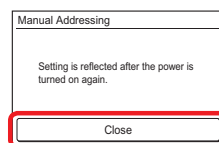
Note

The address of this unit is set within a range of 1 to 32, but set it so that it does not duplicate the remote controller address of an indoor unit connected by the same remote controller cable.

- (3) When the [Yes] on the verification screen is touched, a message screen is displayed.

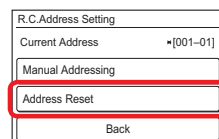


- (4) When the [Close] on the message screen is touched, the display returns to the "R.C.Address Setting" screen. Turn on the power again.

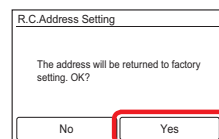


• When repeating manual address setting

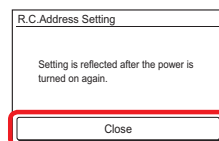
- (1) Touch the [Address Reset] on the "R.C.Address Setting" screen.



- (2) A verification screen is displayed. When the [Yes] is touched, a verification screen is displayed.

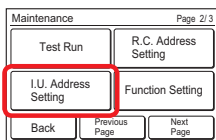


- (3) When the [Close] on the message screen is touched, the display returns to the "R.C.Address Setting" screen. Turn on the power again.

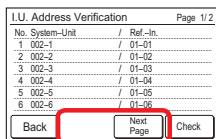


3-9-7 Indoor Unit Address Verification (for installer)

- Touch the [I.U. Address Verification] on the "Maintenance" screen. "Installer Password Verification" screen is displayed.

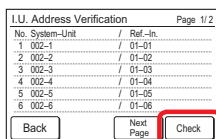


- Enter the Installer Password and touch the [OK]. "I.U. Address Verification" screen is displayed. Enter the Installer Password and touch the [OK]. "I.U. Address Verification" screen is displayed. When the screen has multiple pages, they can be switched by touching the [Next Page] or [Previous Page].



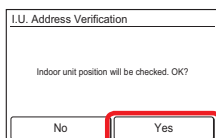
• Verify the indoor unit position.

- Touch the [Check] on the "I.U. Address Verification" screen.

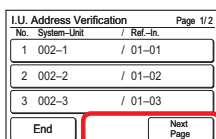


The verification screen is displayed.

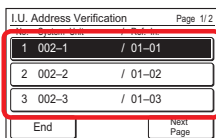
- When the [YES] on the verification screen of indoor unit verification is touched, verification starts.



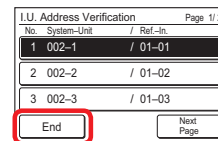
- When indoor unit position verification ends, a screen displaying the indoor units in a list is displayed. When the screen has multiple pages, they can be switched by touching the [Next Page] or [Previous Page].



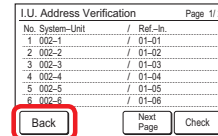
When the indoor unit address to be verified is touched, the appropriate indoor unit performs the air blow and LED lamps blink*. (*Only when the indoor unit has that function.)



- When the [End] is touched, the display returns to the screen of (2).

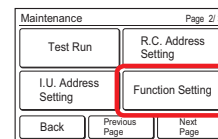


When the [Back] on the screen of (2) is touched, the display returns to the "Maintenance" screen.



3-9-8 Function Setting (for installer)

- When the [Function Setting] on the "Maintenance" screen is touched, the "Installer Password Verification" screen is displayed.



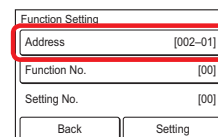
Enter the Installer Password, and touch the [OK]. "Function Setting" screen is displayed.

Note

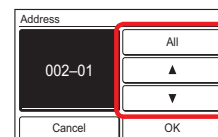
It takes several seconds to appear the value of "Setting No.". Refer to the installation manual of each indoor unit for the function setting contents.

• Select the address of indoor unit

- Touch the [Address] on the "Function Setting" screen.



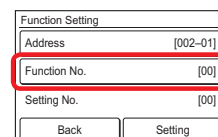
- "Address" screen is displayed. Select the address of the indoor unit whose function number is to be set by touching [▲] or [▼]. When setting at all the indoor units, touch [All].



When the [OK] is touched, the display returns to the "Function Setting" screen.

• Set the Function Number

- Touch the [Function No.] on the "Function Setting" screen.



- (5) "Function No." screen is displayed. Set the Function No. with the [▲] or [▼].

When the [OK] is touched, the display returns to the "Function Setting" screen.

• Set the Setting Number

- (6) Touch the [Setting] on the "Function Setting" screen.

- (7) Setting screen of "Setting No." is displayed. Set the Setting No. with the [▲] or [▼].

When the [OK] is touched, the "Function Setting" verification screen is displayed.

• Apply the setting.

- (8) Touch the [YES] of the verification screen.

After the "Setting" screen was displayed, the display returns to the "Function Setting" screen.

• End of function setting

When the [Back] on the "Function Setting" screen is touched, the display returns to the "Maintenance" screen.

3-9-9 Installer Password Change

- (1) Touch the [Installer Password Change] on the "Maintenance" screen.

- (2) "Installer Password Verification" screen is displayed. Enter the Current Password, and touch the [OK].

Note

The default password is "0000" (4 digits).

- (3) If the password was entered correctly, the "Installer Password Change" screen is displayed. After the new password is entered and [OK] is touched, the display returns to the "Maintenance" screen.

3-9-10 Initialization

- (1) Touch the [Initialization] on the "Maintenance" screen.

- (2) "Installer Password Verification" screen is displayed. Enter the Installer Password, and touch the [OK].

- (3) If the password was entered correctly, the "Initialization" screen is displayed.

When the [OK] is touched, remote controller initialization is performed. After temporarily turning off the indoor unit power, turn the power back on. After that, perform remote controller setting.

Note

When relocating the set remote controller, initialize it.

4 OPERATION TIPS

4-1 Selectable Modes

There are restrictions on the selectable modes depending on the system configuration and operation status.

4-1-1 Heat recovery system

- When single indoor unit connected to RB unit
All the modes can be selected.
- When a master indoor unit is set in an RB group, only the mode selected at the master indoor unit (*1) can be used. (*1: "Fan" cannot be selected at the indoor unit including the master indoor unit.)
- When a master indoor unit is not set in the RB Group, refer to the following table.

Status	Selectable	Not selectable
Other indoor unit is in cooling operation.	Cool, Dry	Auto, Heat, Fan
Other indoor unit is in dehumidifying operation.	Cool, Dry	Auto, Heat, Fan
Other indoor unit is in heating operation.	Heat	Auto, Cool, Dry, Fan
Other indoor unit is in anti freeze operation.	Heat	Auto, Cool, Dry, Fan

4-1-2 When indoor units is connected for cooling only in heat recovery system

- Refer to the following table:

Status	Selectable	Not selectable
At any time	Auto, Cool, Dry, Fan	Heat

4-1-3 RB priority connection in heat recovery system

- For indoor units or RB groups by RB priority connection, refer to the following table:

Status	Selectable	Not selectable
Cooling priority is set by external input.	Cool, Dry	Auto, Heat, Fan
Heating priority is set by external input.	Heat	Auto, Cool, Dry, Fan

4-1-4 Heat pump system

- Refer to the following table:

Status	Selectable	Not selectable
Other indoor unit is in cooling operation.	Cool, Dry	Auto, Heat, Fan
Other indoor unit is in dehumidifying operation.	Cool, Dry	Auto, Heat, Fan
Other indoor unit is in heating operation.	Heat	Auto, Cool, Dry, Fan
Other indoor unit is in anti freeze operation.	Heat	Auto, Cool, Dry, Fan

- When a master indoor unit is set in a refrigerant system, only the mode selected at the master indoor unit (*2) can be used. (*2: "Fan" cannot be selected at the indoor unit including the master indoor unit.)

4-1-5 Outdoor unit priority connection in heat pump system

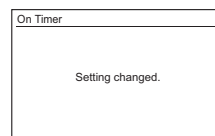
- Refer to the following table:

Status	Selectable	Not selectable
Cooling priority is set by external input.	Cool, Dry	Auto, Heat, Fan
Heating priority is set by external input.	Heat	Auto, Cool, Dry, Fan

4-2 Verification screen when setting is complete

The verification screen which is displayed when setting is complete is displayed for approximately 3 seconds. When this screen is touched, the display switches to the next displayed screen.

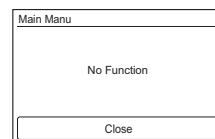
(An example of screen)



4-3 When there is no relevant function

While the following screen was displayed when a setting item was touched, the indoor unit does not have the relevant function and it cannot be set. When [Close] is touched, the display returns to the screen before operation was performed.

(An example of screen)



Note

When an R.C. Group was formed by combining an indoor unit with the relevant function and an indoor unit without the relevant function, no function is displayed and that function cannot be set.

4-4 Settable temperature range

The settable temperature range by operation mode and indoor unit setting is shown in the table below.

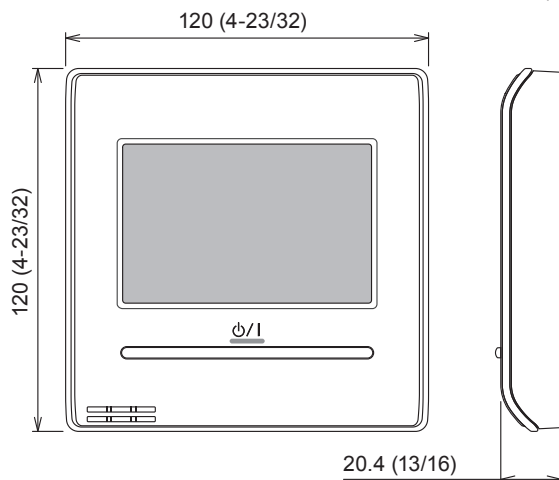
Cool/Dry	18 to 30 °C (64 to 88 °F)
Cool/Dry *1	18 to 32 °C (64 to 91 °F)
Heat	10 to 30 °C (48 to 88 °F)
Auto	18 to 30 °C (64 to 88 °F)

*1:When DIP switch is set at indoor unit

5 OTHERS

5-1 Outline Dimensions

Unit: mm (in.)



5-2 Specifications

Model Name	UTY-RNRY UTY-RNRG
Input voltage	DC 12 V
Power consumption	Max. 0.3 W
Display	3.8 inch FSTN LCD display (255 × 160 dots) with Touch panel
Usage temperature range	0 to 40 °C (32 to 104 °F)
Usage humidity range	20 to 90 % (no condensation)
Storage temperature range	-10 to 60 °C (14 to 140 °F)
Storage humidity range	20 to 90 % (no condensation)
Dimensions [H × W × D mm (in.)]	120 × 120 × 20.4 (4-23/32 × 4-23/32 × 13/16)
Weight [g (oz.)]	220 (7.76)

5-3 Error Code

For the details of the indoor unit or outdoor unit error when checking the error contents, refer to the error codes in each installation manual.

Error code	Contents
CC.1	Sensor error
C2.1	Transmission PCB error
12.1	Wired remote controller communication error
12.3	Number excess of device in wired remote controller system
29.2	Connection unit number error (Remote controller)
26.4	Address duplication in wired remote controller system
26.5	Address setting error in wired remote controller system
15.4	Data acquisition error