

— OPERATION MANUAL

HITACHI

—
Advanced Color
Wired Remote Controller

airPoint Room700

MODEL
CIW04-H



ORIGINAL INSTRUCTIONS

Cooling & Heating

air



A16382F8ED

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1. Safety Summary

Signal Words

 WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury.
NOTICE	Indicates information considered important, but not hazard-related (for example, messages relating to property damage).

For the operation of the product, please read and follow this safety summary strictly. Otherwise, improper operation may cause injury or death.

General Precautions

 WARNING	To reduce the risk of serious injury or death, read these instructions thoroughly and follow all warnings or cautions included in all manuals that accompanied the product and are attached to the unit. Refer back to these safety instructions as needed.
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- This system, including this controller, should be installed by qualified personnel according to local, state, and national building and safety codes and regulations. Incorrect installation could cause leaks, electric shock, fire or an explosion. In areas where Seismic Performance requirements are specified, the appropriate measures should be taken during installation to guard against possible damage or injury that might occur in an earthquake. If the unit is not installed appropriately, injuries may occur because of a falling unit.
- Use appropriate Personal Protective Equipment (PPE), such as gloves, protective goggles and electrical protection equipment and tools suited for electrical installation purposes.
- When transporting, be careful when picking up, moving and mounting these units. Although the controller may be packed using plastic straps, do not use them for transporting from one location to another. Do not stand on or put any material on the controller.
- When connecting the controller cabling to the units, do not touch or adjust any safety devices inside the indoor or outdoor units. All safety features, disengagement, and interlocks must be in place and functioning correctly before the equipment is put into operation. If these devices are improperly adjusted or tampered with in any way, a serious accident can occur. Never bypass, or short-out any safety device or switch.
- Use only Johnson Controls-Hitachi Air Conditioning genuine replacement parts.
- Johnson Controls-Hitachi Air Conditioning will not assume any liability for injuries or damage caused by not following steps outlined or described in this manual. Unauthorized modifications to Johnson Controls-Hitachi Air Conditioning products are prohibited as they:
 - May create hazards which could result in death, serious injury or equipment damage;
 - Will void product warranties;
 - May invalidate product regulatory certifications.

1. Safety Summary

NOTICE

Take the following precautions to reduce the risk of property damage.

- Do not touch the main circuit board or electronic components in the controller or remote devices. Make sure that dust and/or steam does not accumulate on the circuit board.
- Avoid installing the unit in areas where electromagnetic waves are generated, as Electromagnetic interference (EMI) may cause the equipment to malfunction. Do not install where the waves can directly radiate into the electrical box, controller cable, or controller. The operation of the unit may also adversely affect these same devices. Install the unit at least 10 ft. (approximately 3m) away from such devices.
- If the wired remote controller is installed in a location where electromagnetic energy is generated, make sure that the wired remote controller is shielded and cables are run inside conduit tubing.
- If there is a source of electrical interference near the power source, install noise suppression equipment (filter).
- During the test run, check the unit's operation temperature. If the unit is used in an environment where the temperature exceeds the operation limits, it may cause severe damage. Check the operation temperature limits in the manual. If there is no specified temperature, install the unit in a location where the temperature limits are between 0°C to 40°C(40°F to 104°F).
- This manual must be read in conjunction with the installation and operation manuals of other equipment being installed to get a full understanding of the equipment and installation related topics.

Installation Precautions

!WARNING

Take the following precautions to reduce the risk of electric shock, fire, or explosion resulting in serious injury or death.

- When using the wired remote controller with the built-in temperature sensor, do not install this controller:
 - Where the controller is exposed to direct sunshine.
 - Where the unit is in close proximity to a heat source which will influence the accuracy of temperature control.
 - Where hot/cold air from the outdoors, or a draft from elsewhere (such as air vents, diffusers, or grilles) can influence the accuracy of the detection of the actual room temperature.
- Perform a test run using the controller to ensure normal operation.

After installation work for the system has been completed, explain the "Safety Precautions" use, and maintenance of the unit to the customer according to the information in all manuals that accompanied the system. All manuals and warranty information must be given to the end user for safe keeping and future reference.

Electrical Precautions

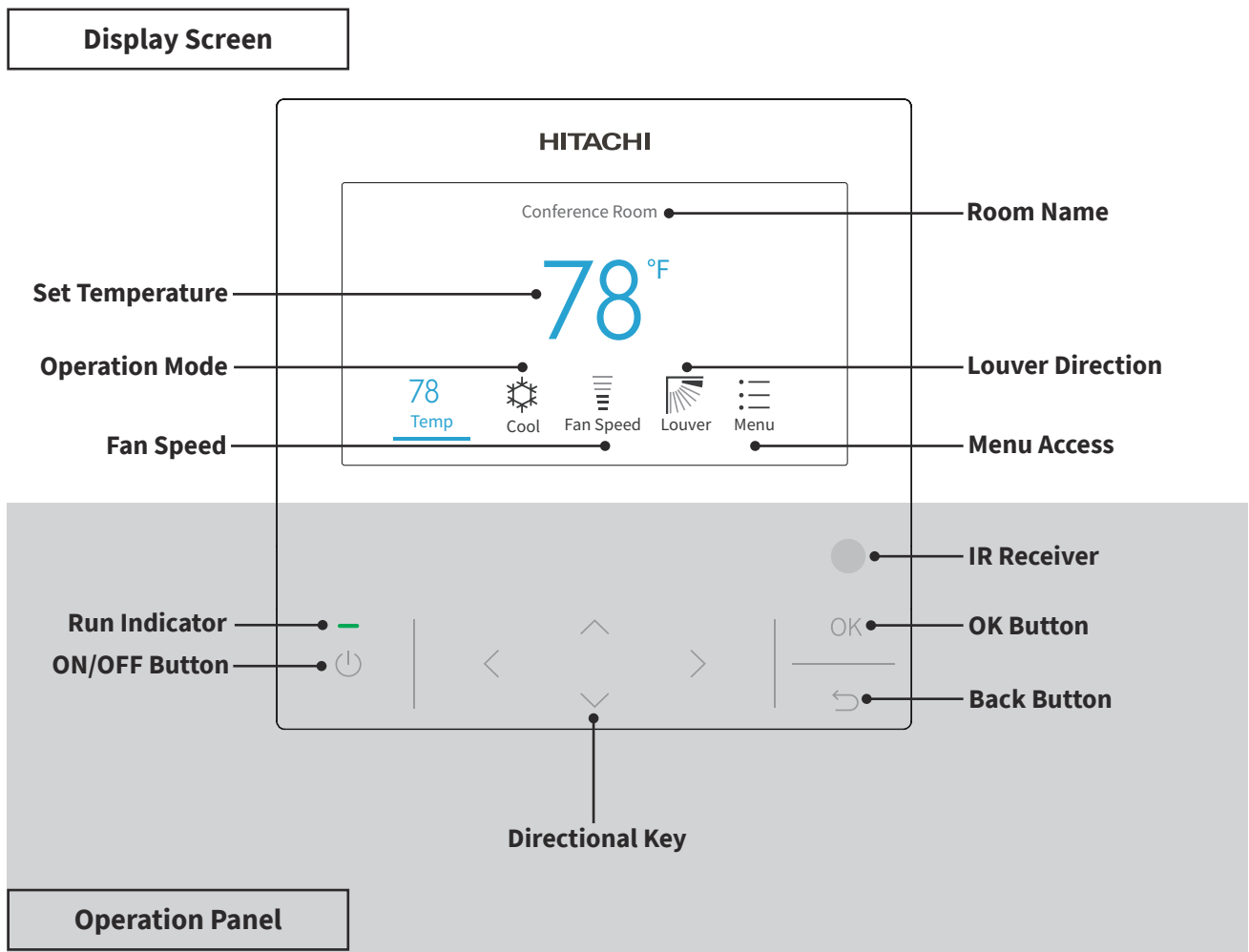


Take the following precautions to reduce the risk of electric shock, fire, or explosion resulting in serious injury or death.

- Only use electrical protection equipment and tools suited for this installation.
- Insulate the wired remote controller against moisture and temperature extremes.
- Use specified cables between units and the controller.
- If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
- Communication cabling must be a minimum of 18-Gauge, twin core stranded copper cable. Shielded cable must be considered for applications in areas of high EMI and other sources of potentially excessive electrical noise to reduce the potential for communication errors. When shielded cabling is applied, proper bonding and termination of the cable shield is required as per Johnson Controls-Hitachi Air Conditioning guidelines. Plenum and riser ratings for communication cables must be considered per application and local code requirements.
- The polarity of the input terminals is important, so be sure to match the polarity when using contacts that have polarity.
- Highly dangerous electrical voltages may be used in this system. Carefully refer to the wiring diagram and these instructions when wiring. Improper connections and inadequate grounding can cause serious injury or death.
- Before installing the controller or remote devices, ensure that the system has been turned off, and after five minutes, power supply to the entire system has been isolated. This is to ensure that the system has undergone and completed its proper shut-down process.
- Do not open the service cover or access panel to the indoor or outdoor units without turning OFF the main power supply. Before connecting or servicing the controller or cables to indoor or outdoor units, open and tag all disconnect switches. Never assume electrical power is disconnected. Verify with a meter and equipment.
- Clamp electrical wires securely with a cable ties after all wiring has been completed. In addition, run wires securely through the wiring access channel.
- Secure the suspended cables at regular intervals, but not too tightly.
- Make sure that the terminals do not come into contact with the surface of the electrical box. If the terminals are too close to the surface, it may lead to failures at the terminal connection.
- Avoid moisture ingress on to and in to the controller as it could cause electric shock and/or damage the unit. Do not use strong detergent such as a solvent. Clean with a soft cloth.

2. Setting Names and Functions

The figure below shows all the functions for reference. The actual display during operation is different.



NOTES:

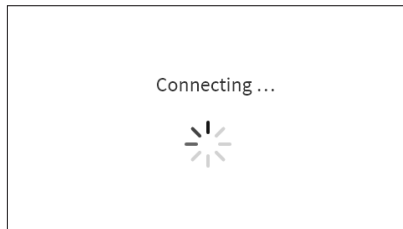
- If the screen is off or the backlight is dim, press any button to re-energise the screen.
- Make sure to press the buttons lightly with your fingertips.
- Do NOT press the buttons with any sharp objects as it may damage the button.

3. Operation Method

3.1 Basic Procedures

1. Initialisation screen

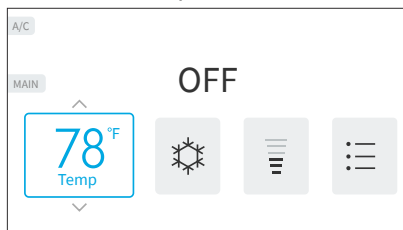
When power is supplied to the system, the screen below is displayed when the controller is establishing communication with the indoor unit.



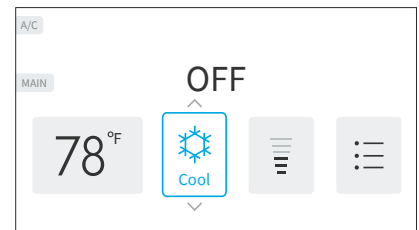
2. Air Conditioner OFF

When air conditioner is off, press "<" or ">" to switch between the settings below: "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Menu" (The louver icon is not displayed when the system is turned off.).

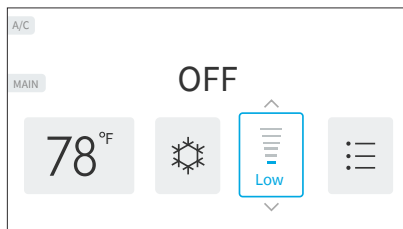
Temperature



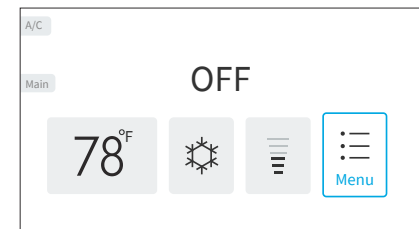
Mode



Fan Speed



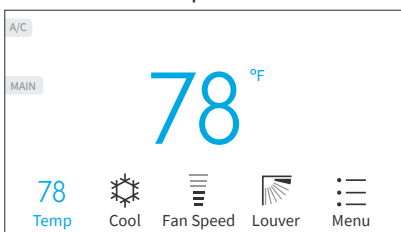
Menu



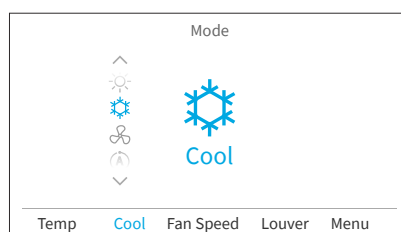
3. Air Conditioner ON

When air conditioner is on, press "<" or ">" to switch between the settings below: "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Menu".

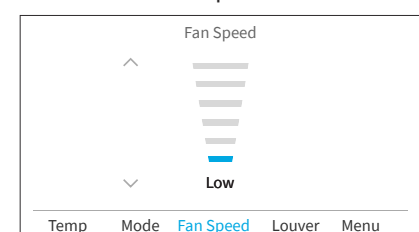
Temperature



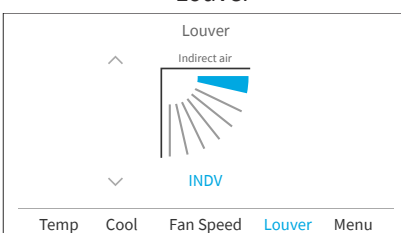
Mode



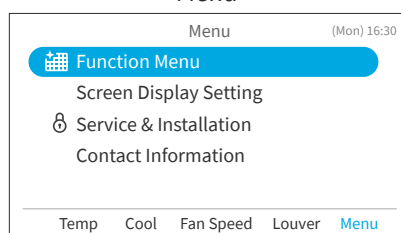
Fan Speed



Louver



Menu



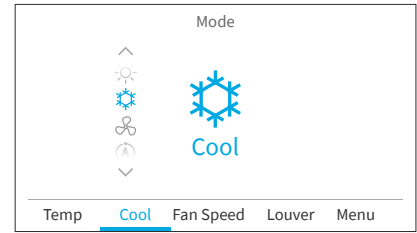
3. Operation Method

3.2 Operation Mode (Cool, Heat, Dry, Auto and Fan)

Heat mode is only available when the system is capable of both cooling and heating. The Heat icon is not displayed on cooling only systems.

1. Operation mode setting

Step1. Press "<" or ">" to select "Mode".

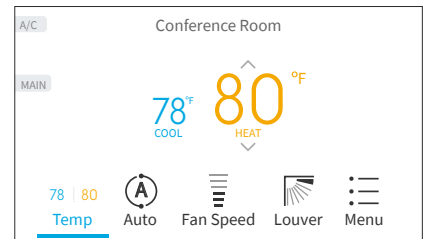
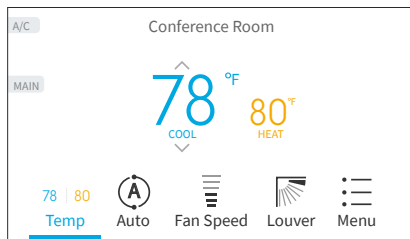


Step2. Set the operation mode with "^" or "v". The operation mode is switched in the following order:
 → "Cool" ↔ "Heat" ↔ "Dry" ↔ "Auto" ↔ "Fan" ←

If dual setpoint is selected in auto mode, both cooling setpoint and heating setpoint can be selected individually.

By default, temperature is as follows when cool/heat mode changes:

- Temperature switch from cool mode to heat mode:
Room temperature = Heating set temperature -2°F (-1°C)
- Temperature switch from heat mode to cool mode:
Room temperature = Cooling set temperature +2°F (+1°C)



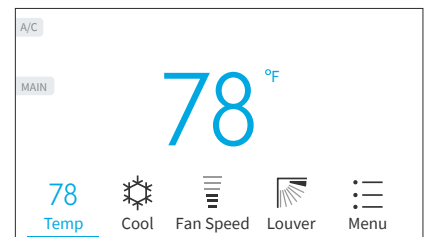
NOTES:

- The Auto function needs to be activated through the function settings in the installation menu. Please contact your service agent for details.
- "Dry" mode may not be available depending on the type of indoor unit.

3.3 Temperature Setting

1. Temperature setting

Step1. Press "<" or ">" to select "Temp".



Step2. By pressing "^", the temperature is increased in increments of 1°F(0.5°C) to a maximum of 86°F(30°C).

By pressing "v", the temperature is decreased in decrements of 1°F(0.5°C) to a minimum of 66°F(19°C) in the cooling mode and 62°F(17°C) in the Heating mode.

NOTES:

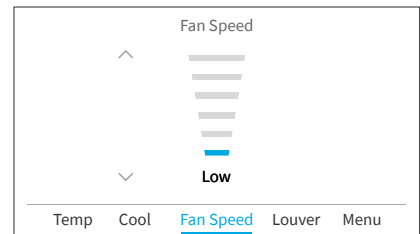
- Depending on the type and setting of the indoor unit, it may not be possible to set the temperature by 1°F(0.5°C).
- The max./ min. temperature may differ depending on the type of indoor unit.
- The allowable minimum and maximum set temperatures can be individually altered for both cooling and heating through the function settings in the installation menu. Additionally, both cooling and heating set temperature ranges can be restricted through the Service menu.
- If the "Automatic Reset of Setting Temperature" function is activated through the function settings in the installation menu, the temperature automatically resets to the preset temperature after the predetermined time set.

- Contact your Hitachi service agent for assistance with setting the "Automatic Reset of Setting Temperature" and "Temperature Range Restriction" functions."Temperature Range Restriction" functions.

3.4 Fan Speed Setting

1. This function is used to set fan speed.

Step1. Press "<" or ">" and select "Fan Speed".



Step2. By pressing "^" or "v", the fan speed changes as follows.



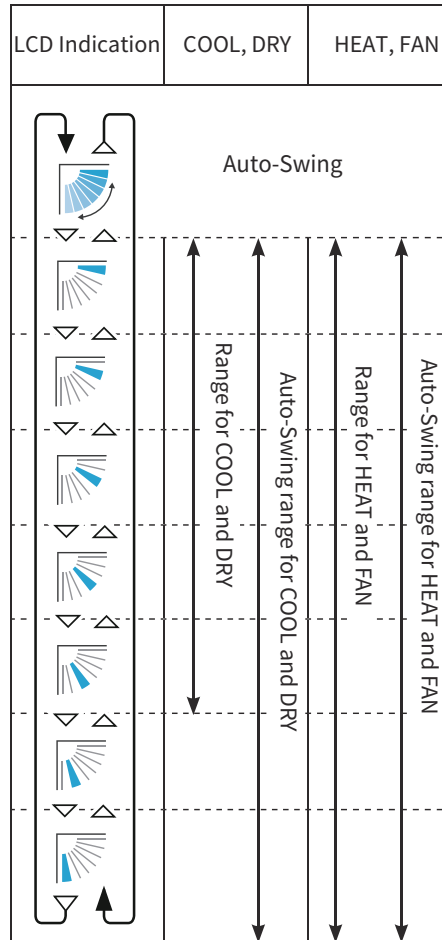
NOTES:


- During dry operation, the fan speed is automatically changed to "Low" and cannot be changed to another fan speed. ("Low" is NOT displayed on the liquid crystal display (LCD) at this time. The present setting status is displayed on the LCD.)
- Some of the fan speed settings as "High2" or "Auto" may not be available depending on the indoor unit type.

3. Operation Method

3.5 Louver Swing Direction

- This function is used to set the louver direction and is only applicable to indoor units that have an oscillating louver.
 - Press "⏻" (On/Off). Make sure that the air conditioner is ON. Press "<" or ">" and select "Louver".
 - By pressing "^" or "v", the louver direction changes as below diagram, and the direction of different types of louver is displayed differently.



: Auto swing operation is active. At this time, the louver swings repeatedly on the LCD.

NOTES:

- For the indoor unit without the auto louver mechanism, the indication of "Louver" is NOT available on the LCD.
- The air flow angle is different for each indoor unit type. Refer to the manual of the indoor unit installed for further information on the swing function.
- The louver position on the LCD and the actual louver position may not match during the Auto-Swing. To set the louver positions, set the angle after checking the position on the LCD.
- The louver may NOT stop immediately after the button is pressed.

3.6 Operation

NOTES:

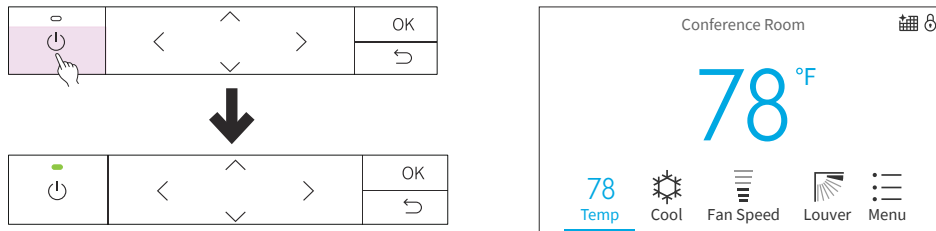
- Once the temperature and Fan speed settings are set, the settings are stored and does not need to be reset.
- To change the settings, refer to Page 6 and Page 7 .

3.6.1 Operation Start

1. To turn the system on.

Step1. Press "⏻" (On/Off).

→ The run indicator LED turns on and the operation starts.

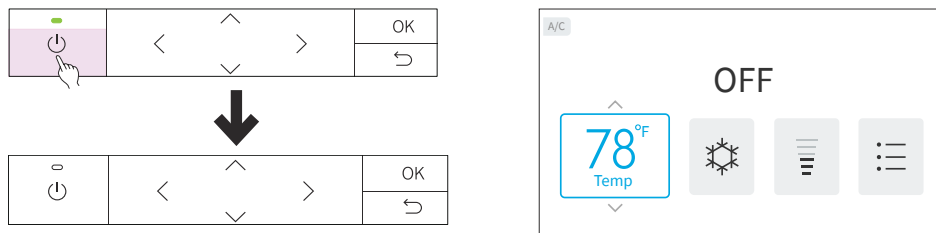


3.6.2 Operation Stop

1. To turn the system off.

Step1. Press "⏻" (On/Off).

→ The run indicator turns off and the operation stops.



NOTE:

- After the heating operation is stopped, the fan may continue to run for about 2 minutes to dissipate residual heat within the unit.

3. Operation Method

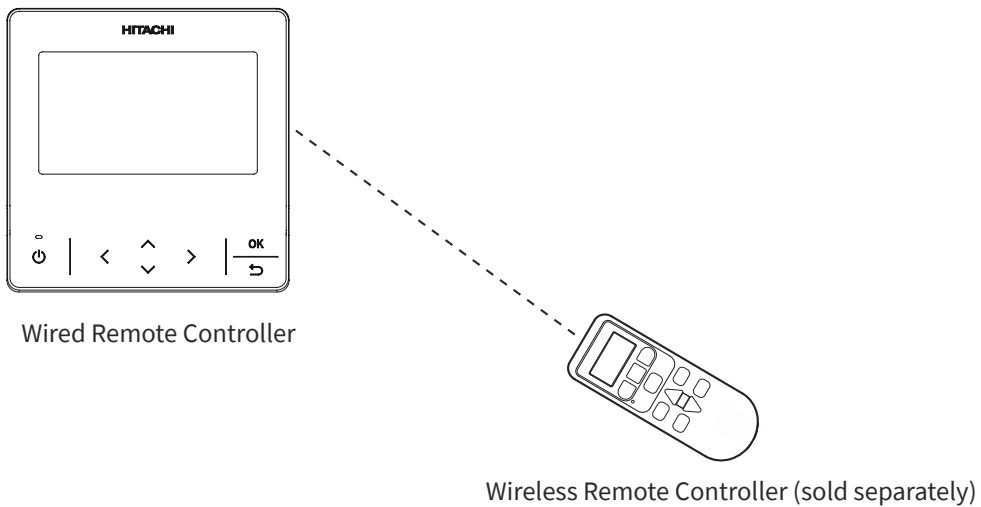
3.7 IR Receiver

This product supports wireless remote control function and can receive signals from a wireless remote controller (model: CIR01, sold separately). Pointing the wireless remote controller to this product can control the temperature, operating mode, etc. As long as the "Config. next unit" of the wired remote controller is consistent with wireless remote controller, the functions listed in the table below can be achieved. For the relevant function settings of the wireless remote control, please refer to the installation manual.

- Sending Commands from Wireless Remote Controller

After the transmitter of the wireless remote controller is directed to the wired remote controller, press the buttons to send commands.

- (1) When the commands are sent, the icon "📶" on the LCD of wireless remote controller flashes once.
- (2) When the "IR Receiver" receives the commands, the buzzer sounds.



Setting Items from Wireless Remote Controller

O: Available

No.	Setting Item	ON State	OFF State
1	ON/OFF	O	O
2	Mode	O	O
3	Fan Speed	O	O
4	Louver	O	O
5	Setting temperature Up	O	O
6	Setting Temperature Down	O	O
7	On Timer	O	O
8	Off Timer	O	O
9	Reset Filter Reminder Time	O	O

NOTES:













- When the backlight of the wired remote controller is off, commands from the wireless remote controller can be received and the backlight is turned on.
- When the wired remote controller receives commands other than the functions listed in the table, the backlight is turned on, but the commands will not be executed.
- The wireless remote control function is available only when the wired remote controller is on main screen.
- When the wired remote controller receives a command from the wireless remote controller, the icon "📶" is shown on the screen. When the command is successfully executed, a short beep will sound.
- When the wired remote controller receives a command from the wireless remote controller but the command cannot be executed, the icon "📶" will not display and a long beep will sound.

3.8 Icon Description

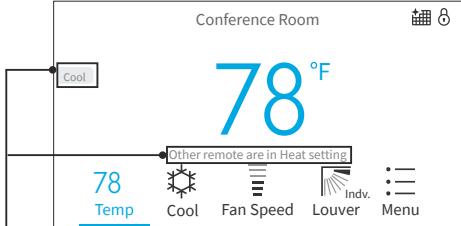
The status of the remote controller is displayed on the operation screen.

NOTES:

- It may not be displayed depending on the type of outdoor unit or indoor unit you are using.
- If there are multiple status, the high priority icon is displayed first.

No.	Icon	Description
1		A schedule timer is set.
2		The current time has not been set. Schedule timer operation is not possible.
3		The off timer is set.
4		The signal from wireless remote controller is received.
5		The On/Off timer from wireless remote controller is set.
6		The operation lock is set.
7		Displayed when using the central controller. Control through the wired remote controller may be restricted depending on the settings of the central controller.
8		The FrostWash cycle is due to be run. Refer to Page 34 for details on FrostWash.
9		It is time to clean the air filter.
10	A/C	Air-conditioning operation is performed.
11	Vent. THEX Vent. Auto Vent. Norm. Vent.	Ventilation, automatic ventilation, total heat ventilation, and normal ventilation are operating. These icons appear only when compatible ventilation equipment is installed.
12		In Rotation operation. This icon appears only when multiple systems are installed and the Rotation operation is set.
13		In backup operation when abnormality occurs. The standby refrigerant systems operate when abnormality occurs. This icon appears only when multiple systems are installed and the backup operation is set.
14	 °C	Displays the room temperature. (*1)
15	SAG	Elevating grille is not positioned correctly.
16	Temporary	Emergency operation is in progress.
17	Setback	When setback operation is enabled and the card key is removed (when no one is present). (*2)
18	Purging	In night purge progress.
19	Setback aborted	Setback is aborted.
20	24-hour ventilation	24-hour ventilation is in progress.
21	Humidifier is run	The humidifier is in operation.
22	Motion Sensor ON	Indicates capacity savings by motion sensor control during operation or stop.
23	Radiant Sensor	In order to efficiently heat the room when the radiant temperature is low, the air flow direction and air volume are automatically controlled.
24	Cold draft restrained	In order to prevent indoor temperature from being too low.
25	Noise reduction	The operation noise reduction control of the outdoor unit is set.
26	FrostWash is complete	Indicates the FrostWash cycle has been run and completed.
27	IU temp. over range FrostWash stopped	The FrostWash cycle has been aborted as the indoor temperature is out of the allowable range 59°F(15°C) to 86°F(30°C).
28	OU temp. over range FrostWash stopped	The FrostWash cycle has been aborted as the outdoor temperature is out of the allowable range of 34°F(1°C) to 110°F(43°C).
29	Sav Sav: Low Sav: Med Sav: High	Either the outdoor capacity control, indoor rotation control, or intermittent operation control is set.
28	Ext.Sav	Outdoor capacity control is set on the central controller or outdoor unit. It does not light when the indoor rotation control or intermittent operation control of the remote controller is set.

3. Operation Method

No.	Icon	Description
29	Main	This is the main remote controller. Use the main remote controller to set the main power savings setting. In the case of a single unit, this is not displayed.
30	Sub	Sub remote controller is set. Some functions cannot be set from a Sub remote controller.
31	! Sub	There is no main remote controller. Controls related to power savings and operation noise reduction may not operate normally.
32	Quick	The operation is in quick mode.
33	Other remote are in ** setting	<p>This display blinks when the outdoor unit is operating in a different mode to the mode set on the controller.</p>  <p>Indicator blinks The example above is when "Cool" is set from the remote controller and the operation mode of the outdoor unit is "Heat".</p>
34	Emergency Heating → Alarm Code: **	Emergency Heating Control is in progress. ** indicates the alarm code.
35	❄️ Auto Clean Unit ❄️ Mechanic error ❄️ Check the unit	Indicates an error related to the automatic filter cleaning unit(if fitted).
36	❄️ Cleaning Filter	The filter is being automatically cleaned(if fitted).
37	Check	Indicates an abnormality in the heat storage unit(if fitted).
38	Preheating	The compressor cannot be operated because it is preheating.
39	HOT-START	Preparing for heating operation.
40	Defrost	During the defrosting operation, the defrosting light turns on and the indoor fan stops. When the operation is stopped during the defrosting operation, the operation light or the run indicator goes out, but the operation continues and stops after the defrosting is completed.
41	Heat Storage	It cannot be operated due to the heat storage operation time(if fitted).
42	Dust collection **-**	It is time to collect dust in the dust box of the automatic filter cleaning unit. **-** indicates the unit to be collected(if fitted).
43	Central control	Displayed when using the central controller. Remote controller operation is restricted.
44	Time to OFF (hour)	The remaining time of the off timer when the hotel mode is displayed.
45	Time to ON (hour)	The remain time of on timer from the wireless remote control.
46	Priority	Displayed on the main remote controller only in the operation mode or when there is a setting priority for the operation mode and the set temperature. At this time, the operation limit lights up on the sub remote controller, and the operation mode and temperature setting change on the sub remote controller are restricted.
47	Restrict	Displayed on the sub remote controller only when the operation mode or the operation mode and set temperature setting priority is given.
48	Indoor fan is rotating for device protection.	A message indicating that the indoor fan is rotating during stop.
49	Change the Leak Sensor	Displayed when the indoor unit R32 leak sensor has reached its lifetime and needs to be replaced.
50	Change the ODU Leakage Sensor	Displayed when the outdoor unit R32 leak sensor has reached its lifetime and needs to be replaced.
51	Refrigerant leak detected: **-**	Displayed when refrigerant leak is detected in the system. **-** indicates the unit of refrigerant leak.

(*1): It depends on the settings of the remote controller.

(*2): The default setting is cooling: set temperature +4°F (+2.5°C), heating: set temperature -4°F (-2.5°C).

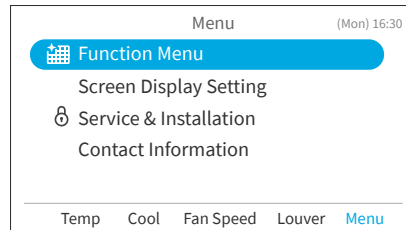
If you want to change the correction value for this setback operation, please contact your Hitachi service agent for assistance with this.

4. Menu Operation

NOTE:

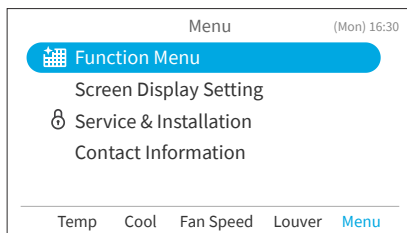
- If "⊘" is displayed and grayed out, these functions are not available and cannot be set.

Press "<" or ">" at home screen to select "Menu".

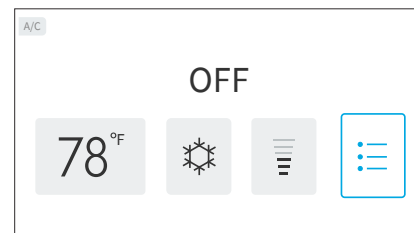


When the air conditioner is ON:

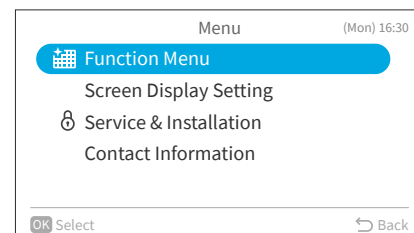
- The "Menu" screen is displayed.



When the air conditioner is OFF:



- Select "Menu" and press "OK".
- The "Menu" screen is displayed.



- About the Function Menu, please refer to **"5. Function Menu Screen Display"**.
- About the Display Settings, please refer to **"6. Screen Display Setting"**.

5. Function Menu Screen Display

Various function settings are shown in this chapter.

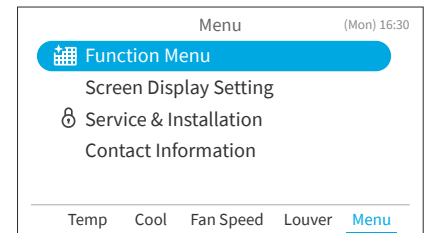
For how to enter the Menu screen, please refer to "**4. Menu Operation**".

NOTES:

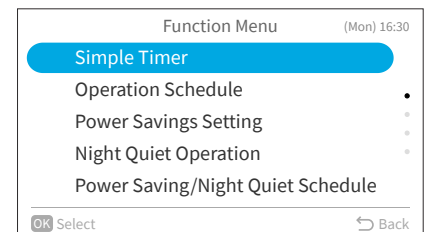
- Some functions cannot be set depending on the type, configuration, and usage status of the indoor unit.
- If a function with "⊘" is displayed, it means the function is not supported and the setting is disabled.
- For the "Filter Cleaning", "Motion Sensor Setting", "Total Heat Exchanger SET" and "Humidity Setting" function menu display, please refer to the Operation Manual of the indoor unit.

1. Display the function menu

- Step1. Select the "Function Menu" and press "OK".
→ The "Function Menu" screen is displayed.




- Step2. Press "^" or "v" to select the item to set and press "OK".
Press "↵" to return to the "Menu" screen.
- If the "Menu screen" remains unchanged for approximately 10 minutes, the screen returns to the home screen.
 - Various settings are retained even when the power is turned off.



5.1 Simple Timer Setting

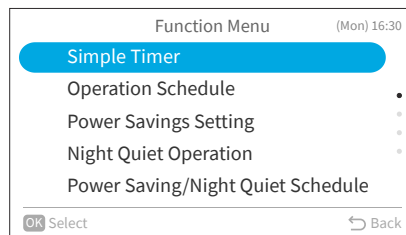
This function is used to start or stop the unit operation at the set time.
The timer operation contents can be set from "Not Used", "Once", or "Everyday".


NOTES:

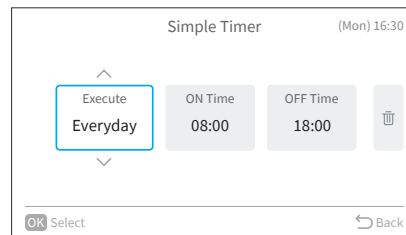
- If "Once" on the timer operation setting is selected, the setting reverts automatically to "Not Used" after the "Once" timer program has been executed.
- Do not set the same time for both ON/OFF timers.
- Scheduled operation (stop) is not possible while the remote control is prohibited.
- When  is displayed, scheduled operation (stop) is not available.
- Refer to "6.1 Adjusting Date/Time" to set the date and time.

1. Set the simple timer.


Step1. Select "Simple Timer" on the "Function Menu" screen and press "OK".
When the current time has not been set yet, the "Adjusting Date/Time" setting screen is displayed.

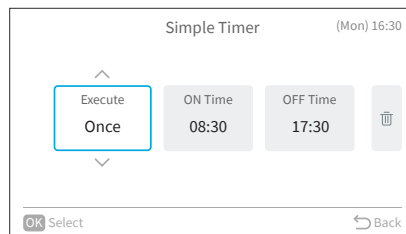


Step2. Press "<" or ">" to select the item to be set:
"Execute" ↔ "ON Time" ↔ "OFF Time" ↔ .

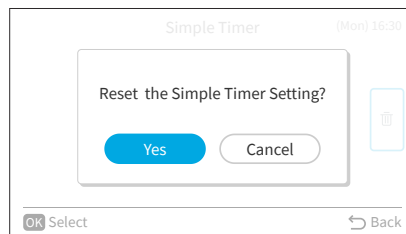


Step3. Press "^" or "v" to set each item.
After setting, press "↵" to confirm the settings and the screen returns to the "Function Menu" screen.

- When "Execute" is selected, press "^" or "v" to switch the setting items as follows: "Not Used" ↔ "Once" ↔ "Everyday".
- When "ON Time" or "OFF Time" is selected, the setting time can be adjusted in 30-minute increments by pressing "^" or "v".
- When  is selected and press "OK", the confirmation screen is displayed.



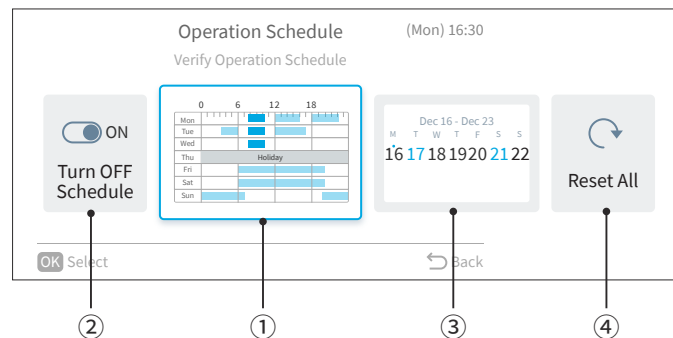
If you select "Yes", the simple timer settings are discarded and the screen returns to Step2.
If you select "Cancel", the screen still returns to Step2.



5. Function Menu Screen Display

5.2 Operation Schedule Setting


This function is used to automatically start or stop the unit operation at the set time.
The temperature can also be set.
Up to 5 schedules can be set for each day of the week.



- ① Schedule day and time setting (Page 17)
The desired time and temperature can be set.
Set up to 5 times a day on each day.
- ② Schedule turn ON / OFF setting (Page 18)
This function is used to enable or disable the operation schedules. If disabled-Turn OFF Schedule, the operation schedules are not executed - for example, during extended holidays.
This setting is normally applied during long vacation.
- ③ Schedule holiday setting (Page 18)
Holidays can be set six days in advance.
On the days set as holidays, scheduled operation is not executed for the entire day.
It is used when there are irregular off days such as holidays.
- ④ Reset setting (Page 19)
The schedule day / time setting and holiday setting are deleted.

5.2.1 Schedule Day and Time Setting

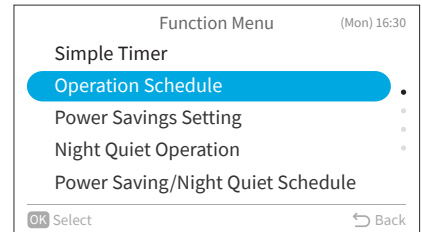
NOTES:

- Scheduled operation (stop) is not possible when the remote control is prohibited.
- When  is displayed, scheduled operation (stop) is not available.
- Refer to "6.1 Adjusting Date/Time" to set the date and time.

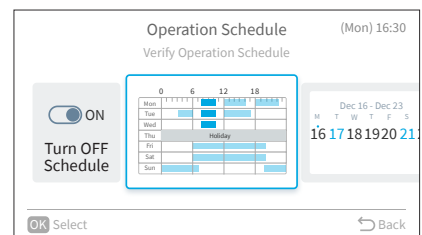
1. Set schedule day and time

Step1. Select "Operation Schedule" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been previously set, Step3 is displayed.

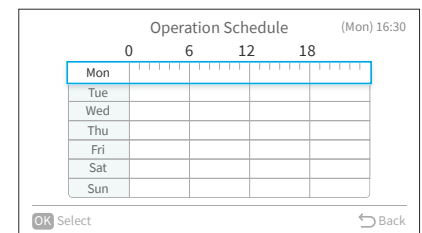


Step2. Press "<" or ">" to select "Verify Operation Schedule", and then press "OK".



Step3. Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

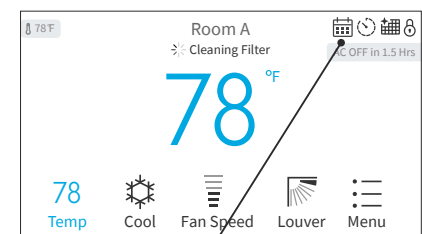
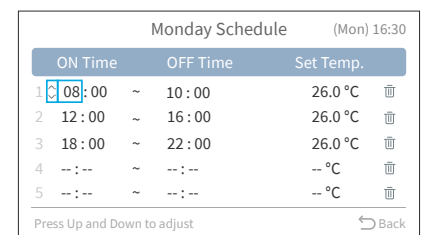
- (run) and (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press "<" and "OK" simultaneously.



Step4. Press "^" or "v" to select schedule timer No.1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Set Temp." ↔ "⏏". By pressing "^" or "v", "ON / OFF Time" and "Set Temp." can be set.

- 5 different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select "⏏" and press "OK" to delete the settings of "ON / OFF Time" and "Set Temp".

Press "↶" to return to Step3.



The icon displayed indicates that the schedule control is set and activated.

5. Function Menu Screen Display

5.2.2 Schedule Turn ON/OFF Setting

1. Set schedule ON / OFF

Step1. Select "Operation Schedule" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

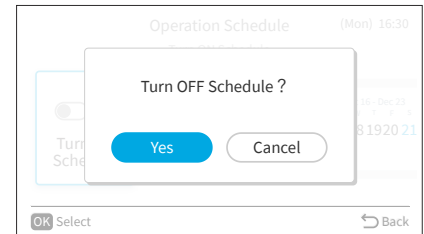
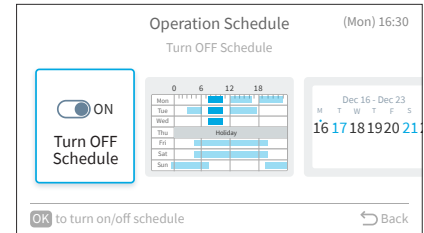
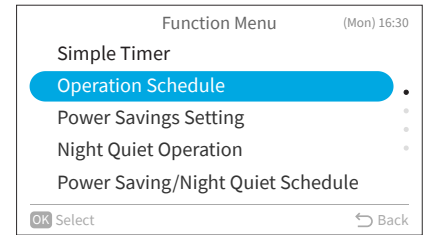
Step2. Press "<" or ">" to select "Turn ON/OFF Schedule", and then press "OK".

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.

Step3. Select "Yes" by pressing "<" or ">" and then press "OK".
→ Confirm the schedule enable/disable setting and return to Step2.


→ The display  turns on when the schedule is ON.

→ The display  turns off when the schedule is OFF.



5.2.3 Schedule Holiday Setting

NOTE:

- When a Holiday period has been set, the indicator  turns off.

1. Set schedule holiday

Step1. Select "Operation Schedule" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step3 is displayed.

Step2. Press "<" or ">" to select "Verify Holiday Settings", and then press "OK".

Step3. Select the day of the week (from Mon. to Sun.) to set as a holiday by pressing "^" "v" "<" or ">".

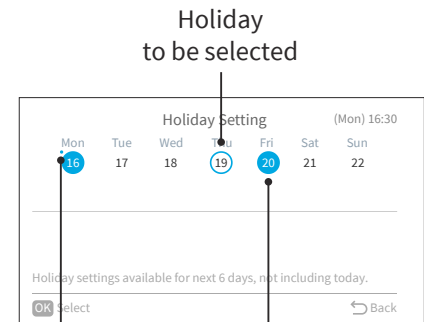
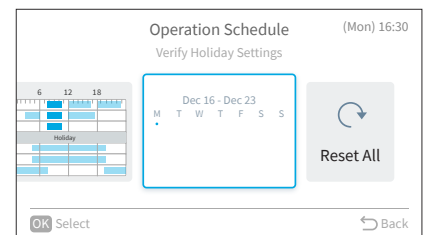
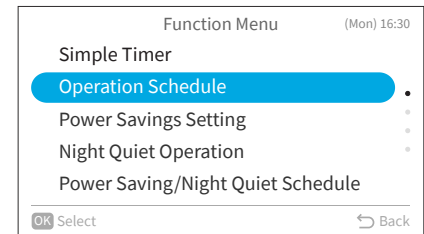
Press "OK" to select "Holiday setting" or "Cancel".

"●" indicates the current day of the week.

"○" indicates the holiday to be selected.

"●" indicates the holiday already set.

Press "↵" to confirm the setting and return to Step2.



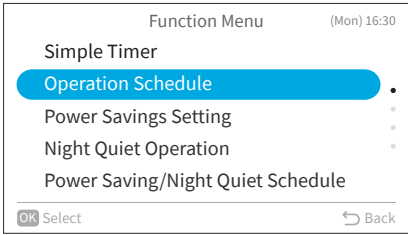
Current day of the week

Holiday already set

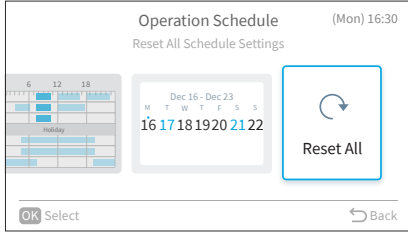
5.2.4 Reset the Setting

1. Reset the setting

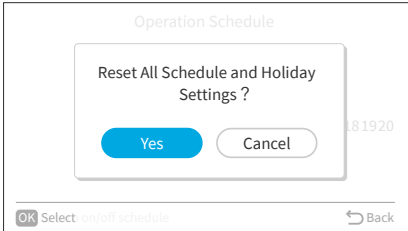
- Step1. Select "Operation Schedule" on the "Function Menu" screen and press "OK".
- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
 - If no schedule or holiday has been set, Step3 of "5.2.1 Schedule Day and Time Setting" is displayed.



Step2. Press "<" or ">" to select "Reset All" and then press "OK".



Step3. Select "Yes" by pressing "<" or ">" and then press "OK". All schedule and holiday settings are reset, and the screen returns to the Step3 of "5.2.1 Schedule Day and Time Setting".



5. Function Menu Screen Display

5.3 Power Savings Setting

No.	Item	Description
①	Capacity Control	Reduce the heating and cooling capacity of the indoor unit. Set control mode and power savings level with its corresponding value.
②	Rotation Control	Interlock with indoor units of the same outdoor unit system and switch to FAN operation in sequence. Set control mode and fan mode time.
③	Intermittent Control	Cooling/heating mode and fan mode are repeated at regular intervals. Set power savings level.
④	No Setting	Power savings operation is not performed.

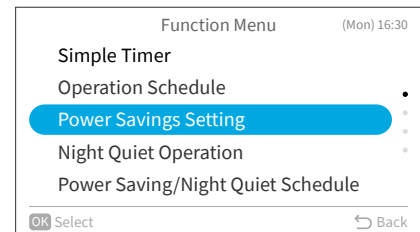
NOTES:

- The power savings mode that can be switched differs depending on the type of the outdoor unit or indoor unit.
- The power savings modes that can be switched according to the "Main / Sub" display are as follows.
 - Main — the power savings mode can be switched from ① to ④.
 - Sub — the power savings mode cannot be switched. The power savings mode of the sub controller follows that of the main remote controller of the same outdoor unit system.
- When the power savings mode is "Indoor rotation control", the power savings level cannot be changed.
- When the power savings mode is "No Setting", the power savings ON / OFF and power savings level cannot be changed.
- When the power savings mode is "Outdoor capacity control", the power savings ON / OFF and power savings level cannot be changed.
- When the power savings mode is switched, power savings ON / OFF is set to OFF.
- When using the power savings function, the cooling and heating capacity may decrease.
- When the power savings mode is "Intermittent Control", the power saving icon displays only in cooling, heating, dry mode.
- Detailed settings can be changed from the power saving details setting. Please also refer to "15. Power Saving Details Setting" of the Installation Manual.

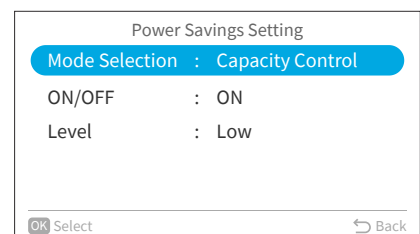
5.3.1 Power Savings Mode Setting

1. Set the power savings mode

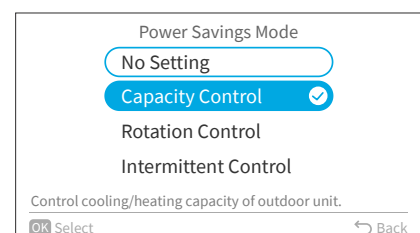
Step1. Select "Power Savings Setting" on the "Function Menu" screen and press "OK".



Step2. Press "▲" or "▼" to select the "Mode Selection" and press "OK".



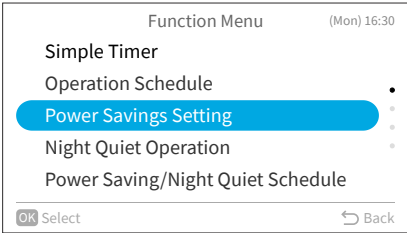
Step3. Press "▲" or "▼", the item changes as follows:
 "No Setting" ↔ "Capacity Control" ↔ "Rotation Control" ↔ "Intermittent Control".
 Select the desired power savings mode and press "OK" to confirm the setting.
 Press "↵", the screen returns to the "Power Savings Setting" screen.



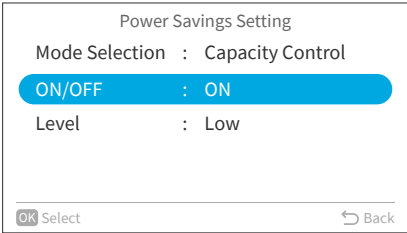
5.3.2 Power Savings ON/OFF Setting

1. Set the power savings ON/OFF

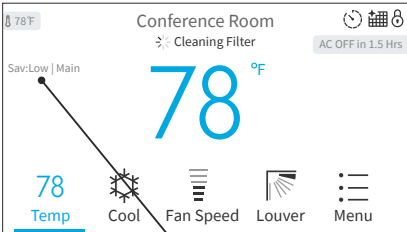
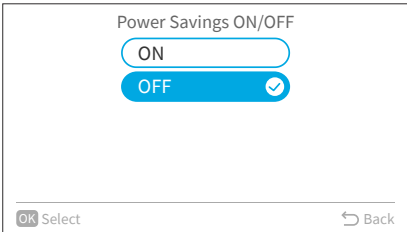
Step1. Select "Power Savings Setting" on the "Function Menu" screen and press "OK".



Step2. Press "^" or "v" to select the "ON/OFF" and press "OK".



Step3. Press "^" or "v" to select the "ON" and press "OK". Press "↵", the screen returns to the "Power Savings Setting" screen.



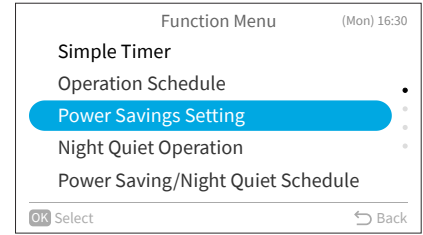
When power savings is ON, power savings level is displayed to indicate the power savings setting.

5. Function Menu Screen Display

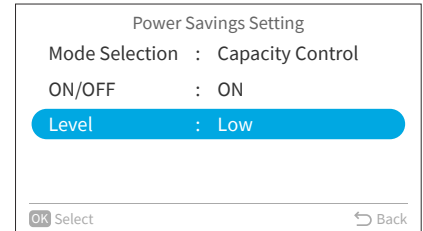
5.3.3 Power Savings Level Setting

1. Set the power savings level

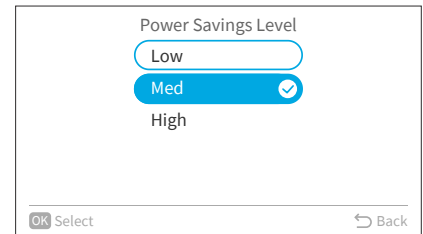
Step1. Select "Power Savings Setting" on the "Function Menu" screen and press "OK".



Step2. Press "^" or "v" to select the "Level" and press "OK".



Step3. Press "^" or "v", the power savings level changes as follows: "Low" ↔ "Med" ↔ "High". Select the level and press "OK". Press "↵", the screen returns to the "Power Savings Setting" screen. You may not be able to select from the settings in the power saving details setting.



5.4 Night Quiet Operation

This function restricts the operation noise of the outdoor unit.

NOTES:

- This cannot be set if the sub remote controller or outdoor unit does not support power savings.
- It is possible to change the operation noise reduction function setting of the outdoor unit by making the following operation noise reduction settings.

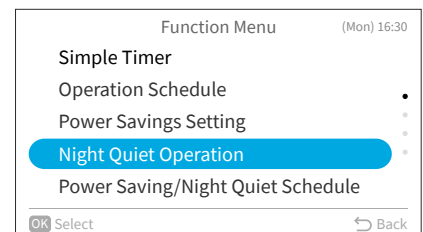
Remote Controller Setting	Outdoor Unit Setting Name
Not Set	No Setting
Low	Setting 1
Med	Setting 2
High	Setting 3

"Low", "Med" and "High" represents the amount of noise reduction. For example, the "High" setting offers the most noise reduction resulting in the lowest noise level that the applicable outdoor unit is capable of. For the amount of reduction, please contact your service agent.

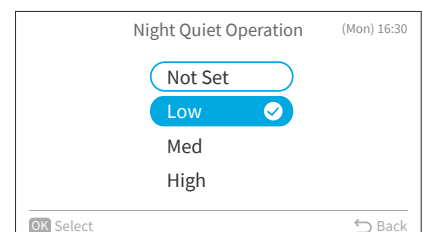
- When using the operation noise reduction setting, the cooling / heating capacity can be decreased.

1. Set the night quiet operation

Step1. Select "Night Quiet Operation" on the "Function Menu" screen and press "OK".



Step2. Press "^" or "v", the level changes as follows: "Not Set" ↔ "Low" ↔ "Med" ↔ "High". Select the level and press "OK". Press "↵", the screen returns to the "Function Menu" screen.



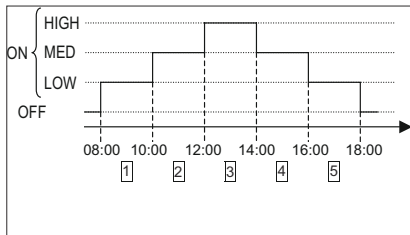
5.5 Power Saving/Night Quiet Schedule Setting

This function starts and stops power savings control and operation noise reduction control at the desired time. Up to 5 Power saving/night quiet schedules can be set for each day of the week. The power savings schedule uses the setting made in the Power Saving settings in the function menu(refer to "5.3 Power Savings Setting").

NOTES:

- When managing multiple patterns of schedules on the same day as in below examples, don't set overlapped times zone.
- If the schedule times zones overlap as in below example 2, the schedule will be canceled at the first off time (14:00 in the case of the example 2).

Example of Power Saving Operation and Schedule Setting



Example of Power Saving Schedule Operation

Example 1 O

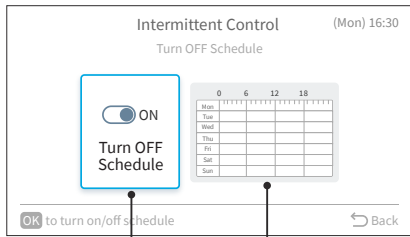
Monday Schedule (Mon) 16:30			
ON Time	OFF Time	Level	
1 08:00	~ 10:00	LOW	🗑️
2 10:00	~ 12:00	MED	🗑️
3 12:00	~ 14:00	HIGH	🗑️
4 14:00	~ 16:00	MED	🗑️
5 16:00	~ 18:00	LOW	🗑️

Press Up and Down to adjust ↩ Back

Example 2 X

Monday Schedule (Mon) 16:30			
ON Time	OFF Time	Noise Reduction Level	
1 08:00	~ 18:00	LOW	🗑️
2 10:00	~ 16:00	MED	🗑️
3 12:00	~ 14:00	HIGH	🗑️
4 --:--	~ --:--		🗑️
5 --:--	~ --:--		🗑️

Press Up and Down to adjust ↩ Back



②

①

- ① Schedule day and time setting (Page 24)
You can set the desired time and level.
You can set up to five times a day on each day.
- ② Schedule turn ON / OFF setting (Page 25)
Schedule operation is not performed while the schedule is disabled.
This is a function that prevents the schedule from running when not required.

5. Function Menu Screen Display

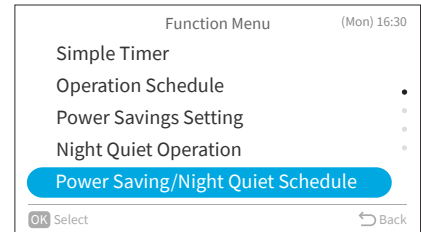
5.5.1 Schedule Day and Time Setting

NOTE:

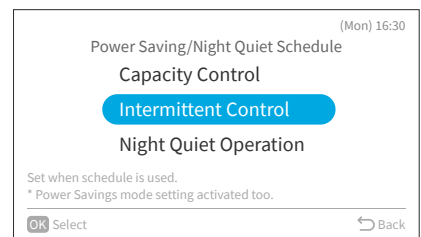
-  indicates that schedule control is not possible.
 Refer to "**6.1 Adjusting Date/Time**" to set the date and time.

1. Set the schedule day and time

- Step1. Select "Power Saving/Night Quiet Schedule" on the "Function Menu" screen and press "OK".
- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent control (Step3) is displayed.

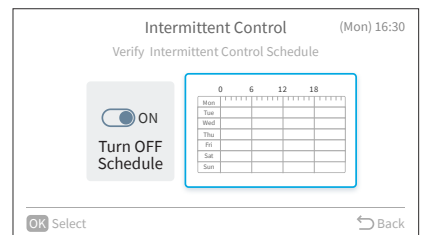


- Step2. Press "^" or "v" to select the desired items, and then press "OK". The items are changed as follows: "Capacity Control" ↔ "Intermittent" ↔ "Night Quiet Operation".



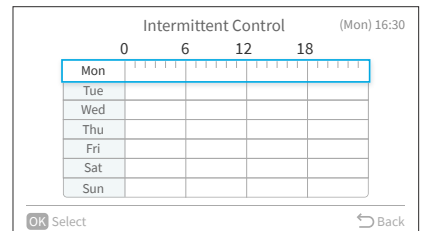
- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.
- If no schedule or holiday has been set, Step4 is displayed.

- Step3. Press "<" or ">" to select the schedule day and time settings, and then press "OK".

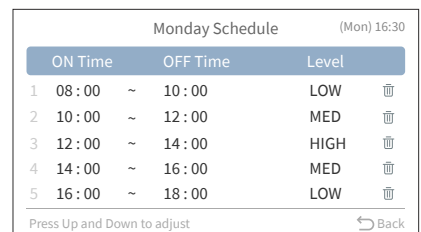


- Step4. Select the day of the week (from Mon. to Sun.) to be set with "^" or "v", and press "OK".

- (run) and □ (stop) is displayed on the LCD.
- To copy the setting contents of the previous day, press "<" and "OK" simultaneously.

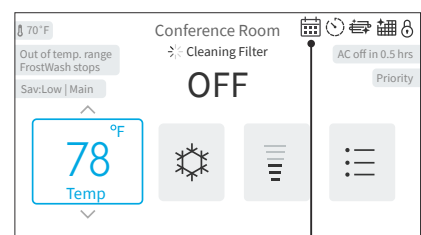


- Step5. Press "^" or "v" to select schedule timer No. 1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Level" ↔ "□". By pressing "^" or "v", "ON / OFF Time" and "Level" can be set.



- Five different schedule timers (maximum) can be set for each day of the week.
- Press "OK" to display the schedule time setting screen for the next day of the week.
- Select "□" and press "OK" to delete the setting of "ON / OFF Time" and "Level".

Press "↵" to return to Step4.



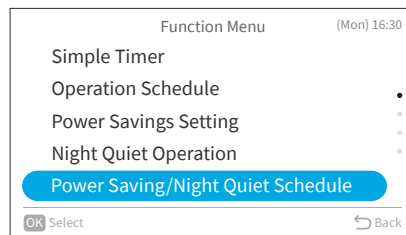
Indicates that schedule control is in operation.

5.5.2 Schedule Turn ON/OFF Setting

1. Turn ON / OFF the schedule

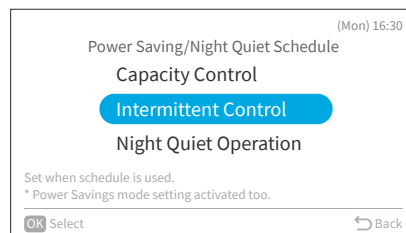
Step1. Select "Power Saving/Night Quiet Schedule" on the "Function Menu" screen and press "OK".

- If the sub remote controller or indoor unit does not support power savings, the power saving schedule setting screen for intermittent operation control (Step3) is displayed.



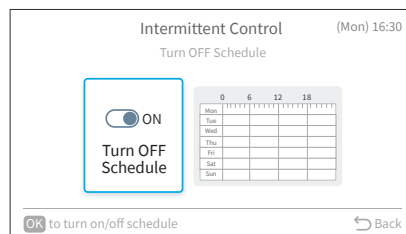
Step2. Press "^" or "v" to select the item to be set, and then press "OK", the items are changed as follows: "Capacity Control" ↔ "Intermittent Control" ↔ "Night Quiet Operation".

- If the current time is not set, the "Adjusting Date/ Time" setting screen is displayed.
- If no schedule or holiday has been set, Step4 of "5.5.1 Schedule Day and Time Setting" is displayed.

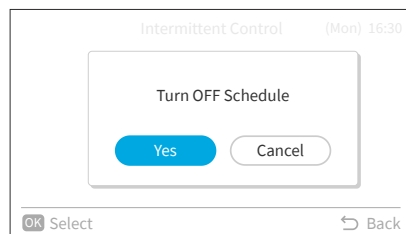


Step3. Press "<" or ">" to select "Turn ON/OFF Schedule, and then press "OK".

- When the schedule is ON, "Turn OFF Schedule" confirmation screen is displayed. When schedule is OFF, "Turn ON Schedule" confirmation screen is displayed.



Step4. Press "<" or ">" to select "Yes" and then Press "OK". Confirm the schedule ON/OFF, and the screen returns to Step3.



5. Function Menu Screen Display

5.6 Power Consumption Display

This function displays the power consumption of the outdoor unit compressor.

The value of each displayed in Graph/List format is 1 day (24h (- every 2 hrs.)), 1 week (7 days), and 1 year (12 months).

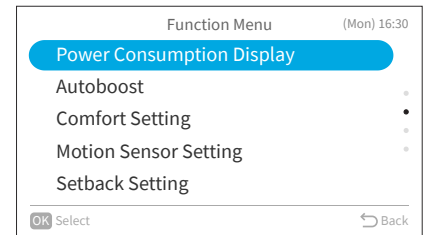
NOTES:

- The numerical value is an estimate only. Do not use this unit for: calculation of power rates, examination of the power contract, or calculation of greenhouse gas emissions.
- This cannot be set if the power savings function is not supported.
- In following instances, the calculated value may be inaccurate.
 - Power interruption (outdoor unit, indoor unit, wired remote controller)
 - Communication failure (outdoor unit ↔ indoor unit ↔ wired remote controller)
 - Modification of time

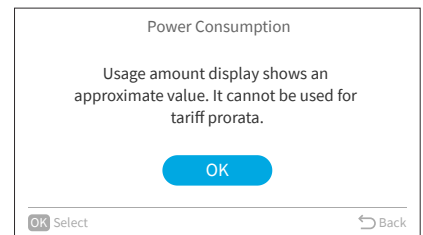
1. View power consumption display

Step1. Select "Power Consumption Display" on the "Function Menu" screen and press "OK".

- If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.

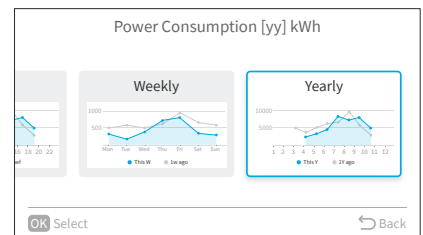
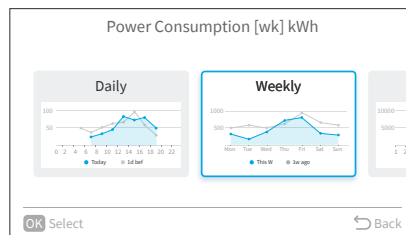
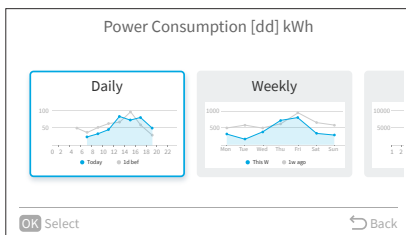


Step2. Press "OK".



Step3. Press "<" or ">" to select the display period, and then press "OK".

It switches in the order of 1 day (24 hours) ↔ 1 week (7 days) ↔ 1 year (12 months).

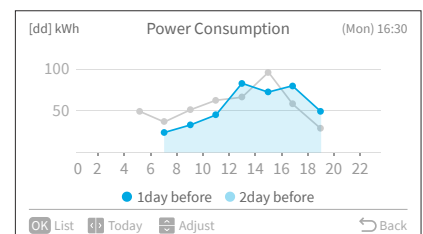


- Comparison
Press "<" or ">" to switch the comparison target for the display period.
2 days before / 1 day before ↔ 1 day before / Today
2 week ago / 1 week ago ↔ 1 week ago / This week
2 years ago / 1 year ago ↔ 1 year ago / This year

- Display scale
Press "^" or "v" to switch the display scale.

- Graph ↔ List display
Press "OK" to switch between the graph and list display of the power consumption display.

Press "↵" to return to the display period selection screen.



The screenshot shows the 'Power Consumption [dd] kWh' screen with a list display. The title is '(Mon) 16:30'. The list shows power consumption for different periods. At the bottom, there are 'OK Graph' and 'Back' buttons.

Period	1d bef	2d bef
0 ~ 2	0.0	25.5
2 ~ 4	0.0	10.1
4 ~ 6	20.5	0.0
6 ~ 8	10.2	0.5
8 ~ 10	8.5	5.2

5.7 Autoboot Setting

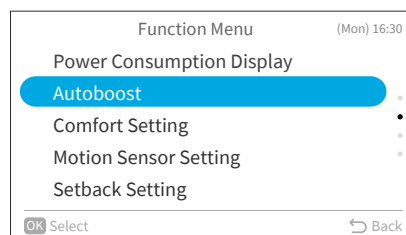
The function is used to provide powerful cooling and heating for 30 minutes once the operation starts. This function is only available when the operation mode is Cool or Heat. Whenever the unit is turned on, the system operates in the Autoboot mode for 30 minutes.

NOTES:

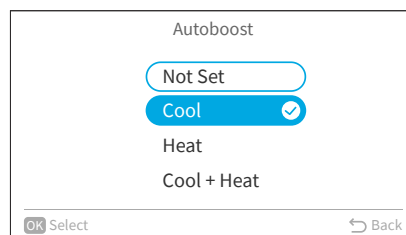
- The Autoboot function is available only on selected outdoor units. If the system does not support this function, Autoboot cannot be set.
- Autoboot cannot be used if Power Savings is not supported.
- When this function is activated while mode is "Cool", fan speed changes and is locked in "Auto" fan speed for approximately 30 minutes regardless of the current setting. While in this operation (fan speed "Auto"), fan level may reduce when the room temperature gets close to the setting temperature. The operation starts regardless of the fan speed.

1. Set the autoboot

Step1. Select "Autoboot" on the "Function Menu" screen and press "OK".



Step2. Press "^" or "v", the selected items changes as follows: "Not Set" ↔ "Cool" ↔ "Heat" ↔ "Cool + Heat". Select the Autoboot mode and press "OK" to confirm the settings. Press "↵" to return to the "Function Menu" screen.



5. Function Menu Screen Display

5.8 Comfort Setting

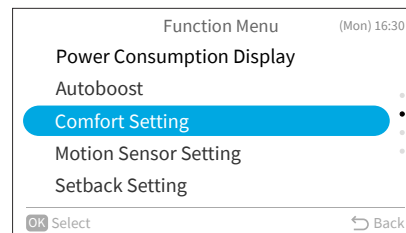
This function is used to control discharge or supply air temperature when in the cooling mode.

NOTES:

- This function cannot be set if the indoor unit does not support this function.
- The cool air level order is as follows: "High" > "Med" > "Low" and the temperature of the discharged air is high.
- The effect may not be sufficient if two or more units are operating in the room.
- When this function is set, due to a higher discharge air temperature, it may take longer for the room to reach the set temperature.

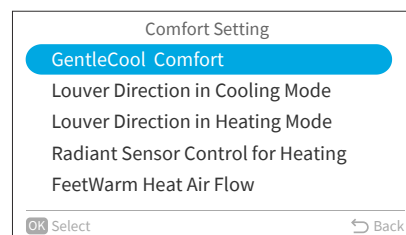
1. Set the comfort

Step1. Select "Comfort Setting" on the "Function Menu" screen and press "OK".



Step2. Press "^" or "v" to select "GentleCool Comfort", and then press "OK".

- For other settings, please refer to the Operation Manual of the indoor unit.



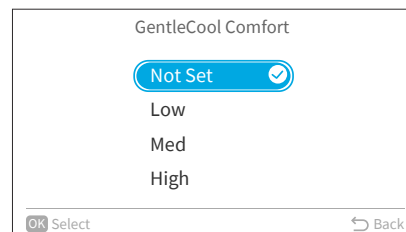
Step3. Press "^" or "v", the selected comfort level changes as follows:
"Not Set" ↔ "Low" ↔ "Med" ↔ "High"(*).
Select the "GentleCool Comfort" during cooling and press "OK".

Press "↶" to return to the "Function Menu" screen.

(*):Low: Mitigates the excessive cooling of the blown air slightly.

Medium: Mitigates the excessive cooling of the blown air at medium level.

High: Mitigates the excessive cooling of the blown air significantly.



5.9 Setback Setting

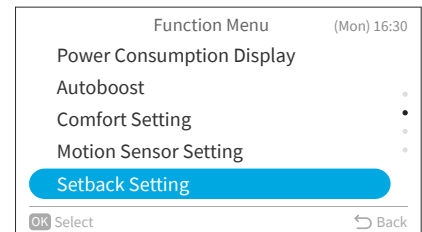
Setback function is designed to maintain a minimum level of comfort in a room when it is not occupied. Setback function is enabled or disabled at the function selection setting. The setback setting is available only when the setback mode is set as "Schedule" or "Manual" at function selection setting. Please contact your service agent for further information or assistance with these.

The items cannot be set/modified if indoor unit does not support this function.

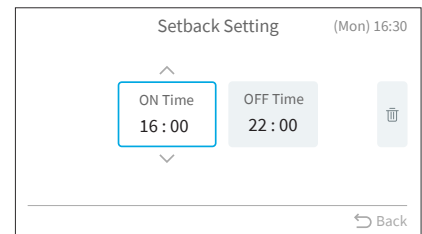
1. Setback schedule setting

This function is used to start/stop setback mode at desired time. It is available only when setback mode is set as Schedule mode.

- Step1. Select "Setback Setting" on the "Function Menu" screen and press "OK".
 If the current time is not set, the "Adjusting Date/Time" setting screen is displayed.

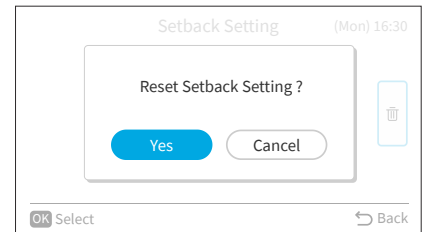


- Step2. Press "<" or ">" to select the settings, and the selected item changes as follows:
 "ON Time" ↔ "OFF Time" ↔ "🗑️".



- Step3. Press "^" or "v" to set the ON and OFF times. After setting, press "↵" to confirm the settings and then the screen returns to the "Function Menu" screen.

- The ON and OFF times can be set in 30 minute increments.
- Do not set the same time for ON Time and OFF Time. It's unavailable if ON time or OFF time is not set.
- When "🗑️" is selected, the confirmation screen is displayed. Select "Yes" and press "OK" to delete the settings and the screen returns to Step2. If select "Cancel", the screen returns to the "Setback Setting" screen.



NOTES:

- In the following instances, the schedule operation is NOT available.
 - When the operation is prohibited by the controller and is set from the central controller.
 - If the icon "🗑️" is displayed, the schedule control is NOT activated because the Date/Time is not specified yet. To specify the Date/Time setting, refer to "6.1 Adjusting Date/Time" for details.

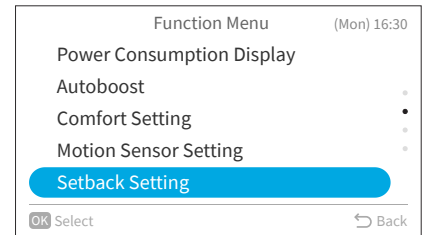
5. Function Menu Screen Display

2. Setback manual setting



This function is used to temporarily activate Setback operation. It is available only when Setback mode is set as Manual mode; this function is normally used to set a long vacation.

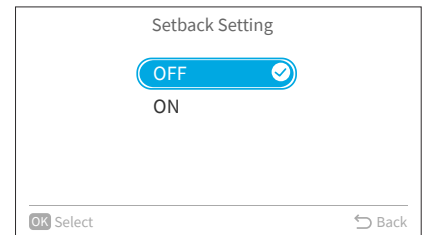
The items cannot be set/modified if indoor unit does not support this function.

Step1. Select "Setback Setting" on the "Function Menu" screen and press "OK".



Step2. Press "▲" or "▼" to select "ON". Press "OK" and the screen returns to the "Function Menu" screen.

- The indicator  turns on when schedule operation is ON.
- The indicator  turns off when schedule operation is OFF.



NOTE:

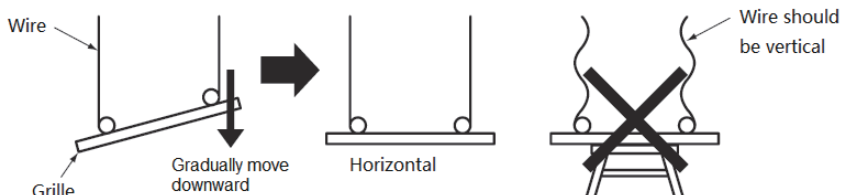
- Setback operation cannot be ON/OFF while wired remote controller operation is prohibited.

5.10 Elevating Grille Setting

This function available on selected models that use a facia with an elevating grille and is used to raise and lower grille when the air filter and grille need to be cleaned.

⚠ WARNING

When the air inlet grille is set inside the air panel, ensure that the air inlet grille is horizontal and the wire is suspended tightly without loosening. After the above is ensured, set the air inlet grille. If the air inlet grille is inclined and the wire is loosened, they may be caught in the pulley. It may lead to a failure of the pulley or pulley block. If the worst happens, it may cause personal injury if the air panel falls open.



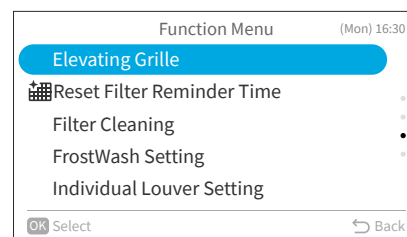
NOTES:

- This function is available only for indoor unit elevating grille.
- Make sure that the unit operation is stopped before using the elevating grille.
- The elevating grille function is not available when the unit is operating.

1. Set the elevating grille

Step1. Select "Elevating Grille" on the "Function Menu" screen and press "OK".

- If there is only one indoor unit, the elevating grille operation screen in Step3 is displayed.



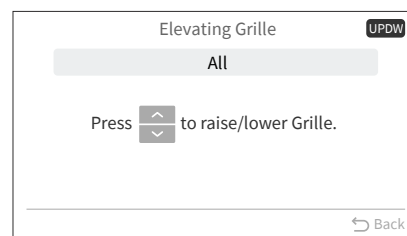
Step2. Press "^", "v", "<", or ">" to select the indoor unit of which indoor unit grille needs to be raised or lowered. Press "OK".



Indoor Unit No.
(Refrigerant System No.—Address No.)

Step3. Press "v" to lower the grille until it's lowered to the set distance.

- If need to lower the distance further than the set distance, press "v" again.
- Each press lowers the grille by 20in (50cm).
- Pressing "^" can stop it at any position in lowering process.



Step4. After cleaning the air filter, install the air filter and press "^" to raise the grille. Once the grille is stored inside the unit, it will stop after approximately 3 seconds.

- If the grille is tilted when stored, press "^" again until the tilt is corrected.
- Pressing "v" can stop it at any position in the raising process.

Step5. Press "⏪" to return to the indoor unit selection screen.

To operate other indoor units, perform the operations of above Step2.

To end the operation, press "⏪" again to return to the "Function Menu" screen.

- If there is only one indoor unit, the screen returns to the "Function Menu" screen.

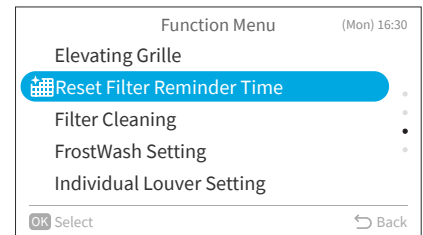
5. Function Menu Screen Display

5.11 Filter Reminder Reset Setting

This function is used to turn off the filter reminder indication and to reset the time of use for the filter.

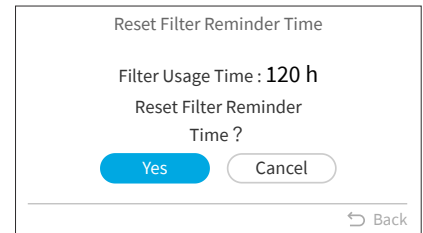
1. Reset the filter reminder time

Step1. Select "Reset Filter Reminder Time" on the "Function Menu" screen and press "OK".

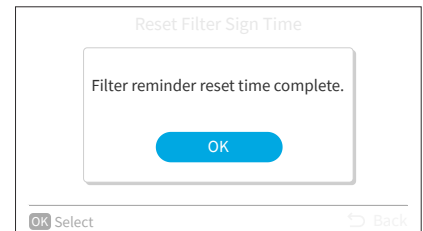


Step2. Press "<" or ">" to select "Yes", and then press "OK".

- The screen returns to the "Function Menu" screen depending on the type of the indoor unit.



Step3. Press "OK" and the screen returns to the "Function Menu" screen.



5.12 FrostWash

Frostwash is a function that freezes and frosts the heat exchanger inside the air conditioner, then rapidly melts accumulated frost to flush away dirt. This keeps the unit in a clean status and also helps prevent performance degradation due to dust clogs. (*)

FrostWash can only operate when all air conditioning are stopped. As a feature, Auto-FrostWash or Manual FrostWash are selectable.

(*)FrostWash may not eliminate all dirt, mold, or similar substances.

NOTES:

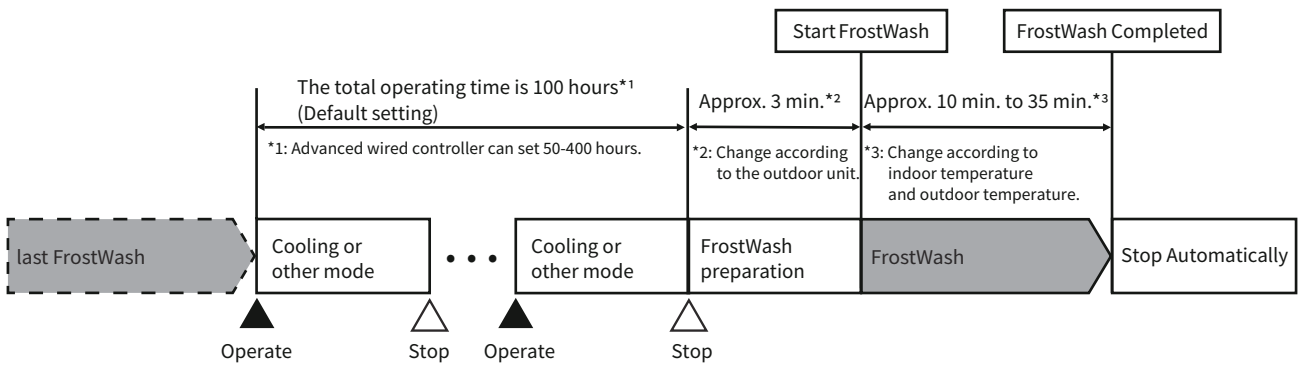
- This function cannot be set when the indoor unit and the outdoor unit do not support this function.
- When the air conditioner system supports FrostWash function and the function selection F1 of outdoor unit is set, then the FrostWash is automatically enabled.
- Depending on the outdoor unit, the settings on the outdoor unit may be required.
- Cracking noise may be heard during freezing or defrosting phase due to temperature change. Refrigerant flow noise may also be heard. The noise may be heard relatively louder in a quiet environment. It is recommended to set "Auto-FrostWash Schedule" when room is not occupied.
- In humid environments, it is possible that during the FrostWash cycle mist may be discharged from the supply air grille. This is normal.
- The FrostWash cycle can operate only when the outdoor temperature is between 34°F(1°C) and 110°F(43°C) and the indoor temperature is between 59°F(15°C) and 86°F(30°C).
- The level of dust removed depends on usage environment. In dusty environments, the FrostWash cycle may need to be run more frequently.
- Limitations and settings are required when using this feature in a VRF system. For more information, please refer to the outdoor unit service manual for FrostWash function.

5.12.1 Function

(1) [Function 1] Auto-FrostWash

Automatically runs the FrostWash cycle after the indoor unit has been operated for the present number of hours and the unit is turned off.

Auto-FrostWash Flow



- Auto-FrostWash is initially disabled in the default setting. To enable this feature, follow the outdoor unit installation manual and configure it using function selection F1.
- If the Auto-FrostWash is interrupted, the total operating time will be reset.

(2) [Function 2] Manual FrostWash

This function allows the FrostWash feature to be run at any time.


5.12.2 Advanced Wired Remote Controller Setting Item

- Start FrostWash (Page 34)
This item is selected when performing [Function 2] Manual FrostWash. Manual FrostWash can be performed even if Auto-FrostWash is enabled.
- Enable/Disable Auto-FrostWash (Page 35)
[Function 1] This is a setting to enable or disable Auto-FrostWash.
 - "Enable": FrostWash is performed automatically.
 - "Disable": The function does not work (the default setting).


5. Function Menu Screen Display

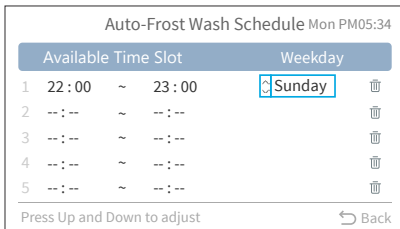
- FrostWash Intervals (Page 35)

You can set the total operating time of the indoor unit as below.

Function 1	Auto-FrostWash	When the total operating time reaches the set value, FrostWash is performed while the operation is stopped.
Function 2	Manual FrostWash	When Auto-FrostWash is disabled, the total operating time reaches the set value, the icon  is displayed on the operation screen, so use it as a guide for manual FrostWash.

NOTES:

- The icon  disappears after a manual FrostWash cycle has been run or Auto FrostWash is enabled.
 - Manual FrostWash can be run only after the unit has been operating in the cooling, heating or dry mode and will not initiate if the system has been operating in the fan only mode.
 - Set Auto-FrostWash Schedule (Page 36)
- When the indoor unit is OFF or stopped operation after a certain period of time, FrostWash is automatically performed in the available time slot.



Available Time Slot	Weekday
1 22:00 ~ 23:00	Sunday
2 --:-- ~ --:--	
3 --:-- ~ --:--	
4 --:-- ~ --:--	
5 --:-- ~ --:--	

Condition ①

from 22:00 to 23:00 on Sunday.

Condition ②

The total operation time of the indoor unit has reached the FrostWash interval (The default time is 100 hours).

Condition ③

When the indoor unit is OFF or stopped operation.

Set the schedule for Auto-FrostWash as the following.

- "Available time slot": Up to five time slots can be set.
 - "Weekday": "Monday to Sunday" and "Everyday" can be selected.
 - FrostWash Operation History (Page 38)
- This function is used to check and delete the FrostWash record.

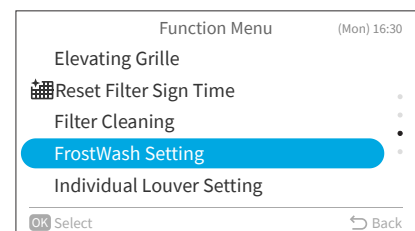
5.12.3 Set FrostWash

NOTE:

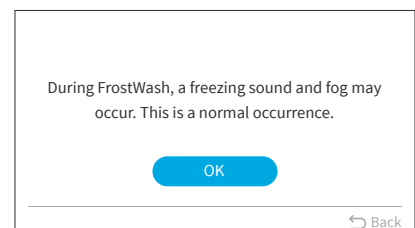
- In the case of 2 wired remote controllers, FrostWash can be set only on the primary wired remote controller.

1. Set FrostWash

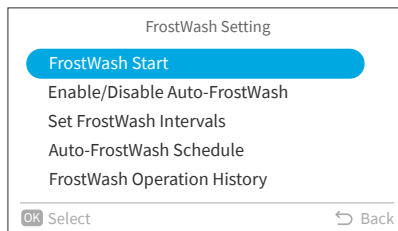
Step1. Select "FrostWash Setting" in Function Menu, and press "OK".



Step2. Press "OK".



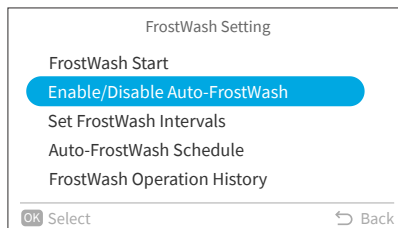
Step3. Press " \wedge " or " \vee " to select the setting item and press "OK".
 The item changes as follows:
 "FrostWash Start" \leftrightarrow "Enable/Disable Auto-FrostWash"
 \leftrightarrow "Set FrostWash Intervals" \leftrightarrow "Auto-FrostWash Schedule"
 \leftrightarrow "FrostWash Operation History".



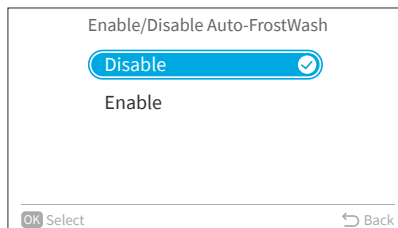
(1) [Function 1] Auto-FrostWash

① Enable/Disable Auto-FrostWash

Step1. Press " \wedge " or " \vee " to select "Enable/Disable Auto-FrostWash" and press "OK".

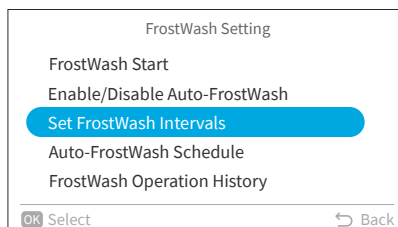


Step2. Press " \wedge " or " \vee " to select "ON" and press "OK". Press " \leftarrow " to return to Step1.

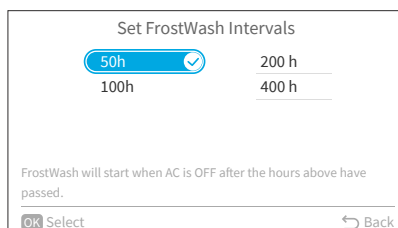


② Set FrostWash Intervals

Step1. Press " \wedge " or " \vee " to select "Set FrostWash Intervals" and press "OK".



Step2. Press " \wedge ", " \vee ", " \leftarrow ", or " \rightarrow " to select interval time and press "OK".

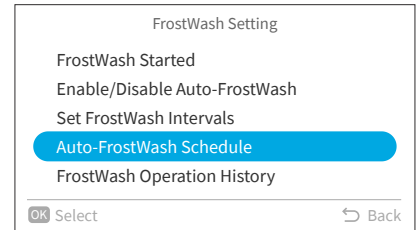


5. Function Menu Screen Display

③ Set Auto-FrostWash Schedule

Step1. Press "^" or "v" to select "Auto-FrostWash Schedule" and press "OK".

- If the current time is not set, the time setting screen (Page 43) is automatically displayed.

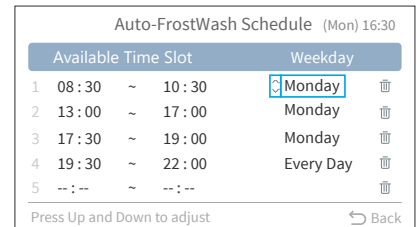


Step2. Press "^" or "v" to select from schedule "1" to "5".

Press "<" or ">" to select "Start time", "End time", "Weekday". Then press "^" or "v" to adjust.

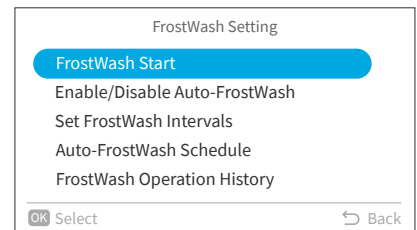
- Select "☒" and press "OK" to delete the schedule.

Select schedule "1" to "5" and press "↵" to confirm the Auto-FrostWash schedule.



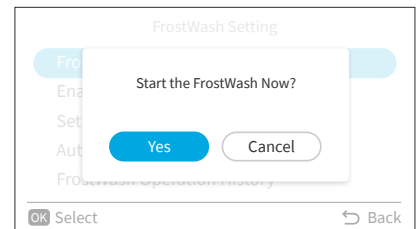
(2) [Function 2] Manual FrostWash

Step1. Press "^" or "v" to select "FrostWash Start" and press "OK".



Step2. Press "<", or ">" to select "Yes" and press "OK".

→ Manual FrostWash is started.



5.12.4 Display in FrostWash

In FrostWash, the following is usually displayed in order.

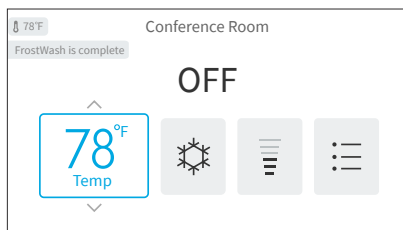
① FrostWash in preparation



② FrostWash in progress



③ Complete FrostWash



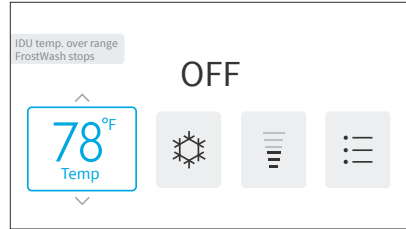
The display of completed FrostWash will disappear when one of the remote controllers is operated after the backlight is turned on.

NOTE:

- In each screen display, the backlight turns off after a certain period of time (The default setting is 15 seconds.) after operation, so it may be difficult to see the screen display.

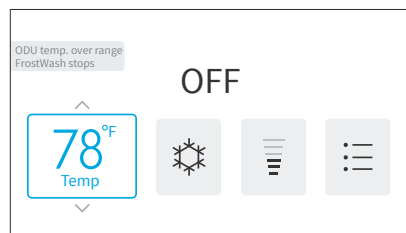
If the indoor or outdoor temperature does not meet the conditions for FrostWash, the following is displayed.

① - 1 When the indoor unit is out of the temperature range



If the room temperature is outside the range of 59°F to 86°F (15°C to 30°C), FrostWash will not be performed and the message shown above is displayed. The display will disappear when one of the remote controllers is operated after the backlight is turned on.

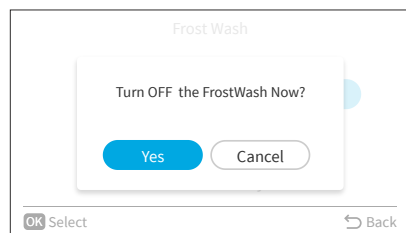
① - 2 When the outdoor unit is out of the temperature range



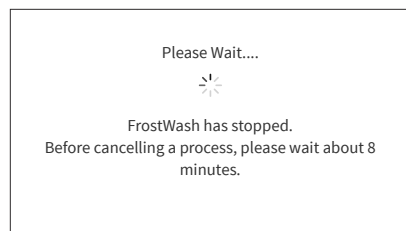
If the outdoor temperature is outside the range of 34°F to 110°F (1°C to 43°C), FrostWash will not be performed and the message shown above is displayed. The display will disappear when one of the remote controllers is operated after the backlight is turned on.

If FrostWash is paused, the following is displayed.

①② - 1 Press "OK" (Turn off the FrostWash)



①② - 2 FrostWash off screen



The above display will continue for about 8 minutes. Please note that no operation can be done at that time.

5. Function Menu Screen Display

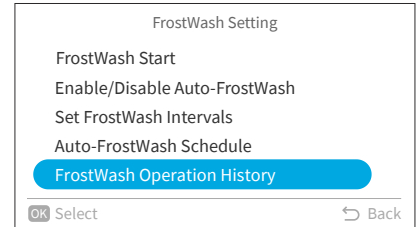
5.12.5 FrostWash Operation History

NOTES:

- If the current time is not set, the date will be "- -".
- The start time is the time when FrostWash is being prepared.

1. FrostWash operation history

Step1. Press "^" or "v" to select "FrostWash Operation History" and press "OK".



Step2. Press the "^" or "v" to show the FrostWash history.

- "Done" or "Paused" is displayed as the result.
- Up to 15 records can be saved.

FrostWash Operation History

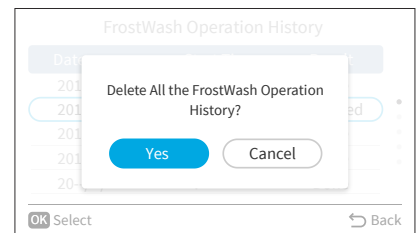
Date	Start Time	Result
2019/11/30	23:56	Done
2019/07/31	23:33	Paused
2019/01/22	00:30	Done
2018/10/22	00:30	Done
2018/08/28	00:30	Done

OK Delete Back

Step3. To delete the FrostWash history, press "OK" to display the confirmation screen.

Select "Yes" and press "OK" to clear the FrostWash history and return to Step2.

Select "Cancel", the screen returns to Step2.



5.13 Individual Louver Setting

This function is to individually set the air direction of multiple air outlets on non-ducted ceiling cassette units.

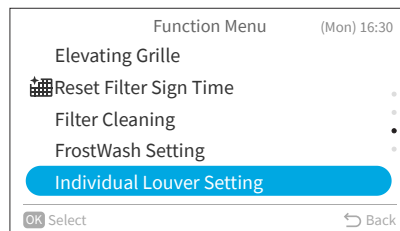
NOTES:

- This function is available when the indoor unit supports individual louver control.
- It cannot be set while the air conditioner is stopped.
- The fan speed changes to "Low" while this function is being set. (After the setting is completed, the unit operation is back to normal.)
- As for "Start-up of Heating Operation", "During Defrost Operation" and "Activation of Thermo-Controller", all the louver angles are automatically set horizontally when this function is activated.
- This function is not available if two remote controllers (including a combination of wired remote controller + wireless controller) are used.

5.13.1 Individual Louver Setting

1. Individual louver setting

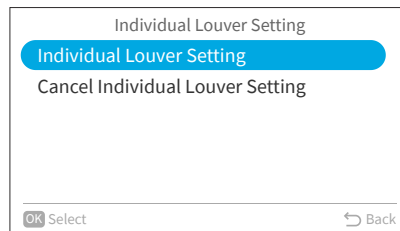
Step1. Select "Individual Louver Setting" on the "Function Menu" and press "OK".



Step2. Select "Individual Louver Setting" and press "OK".

NOTE:

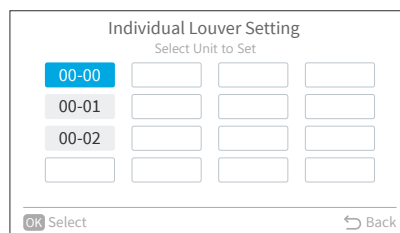
- If there is one indoor unit connected with the controller, Step4 is displayed.



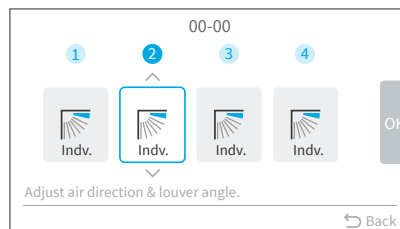
Step3. Press "^", "v", "<", or ">" to select the indoor unit to change the louver direction, and press "OK".

NOTE:

- The indoor unit displayed on the screen flashes if an individual louver is set.



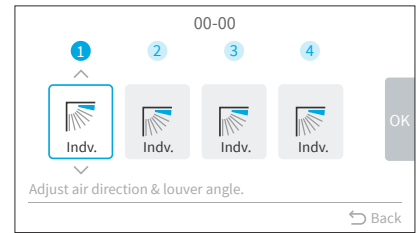
Step4. Press "<" or ">" and select the louver from 1 to 4. →The selected louver is opened while the unselected louvers are closed.



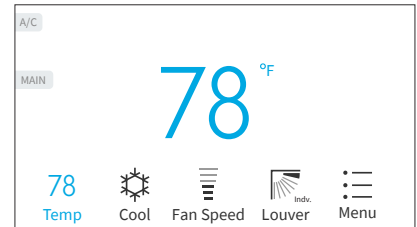
5. Function Menu Screen Display

Step5. Press " \wedge " or " \vee " to select the louver angle and press "OK".
→Return to Step3.

The louver angle is changed as follows.



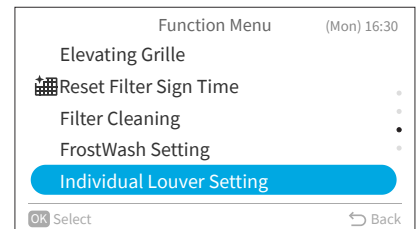
Step6. Ensure that individual "Indv." is turned on at the Louver on the home screen.



5.13.2 Cancel Individual Louver Setting

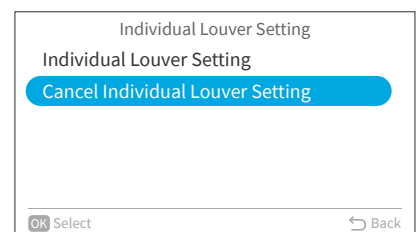
1. Cancel individual louver setting

Step1. Select "Individual Louver Setting" on the "Function Menu" and press "OK".



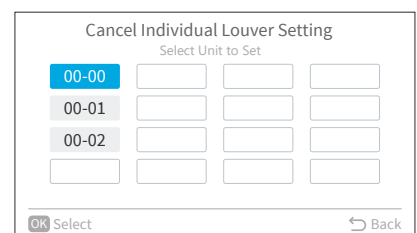
Step2. Select "Cancel Individual Louver Setting" and press "OK".
NOTE:

- If there is one indoor unit connected with the controller, Step4 is displayed.



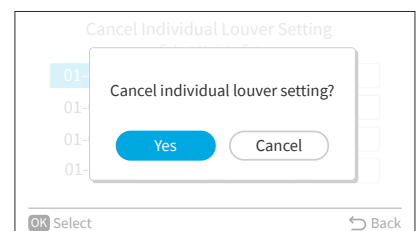
Step3. Press " \wedge ", " \vee ", " \leftarrow ", or " \rightarrow " to select the indoor unit to cancel the louver direction, and press "OK".
NOTE:

- The indoor unit displayed on the screen flashes if an individual louver is set.



Step4. Press " \leftarrow " or " \rightarrow " to select "Yes" and press "OK". Cancel the individual louver setting and return to Step3.
NOTE:

- All the individual louver settings are canceled.



5.14 Louver Open/Close

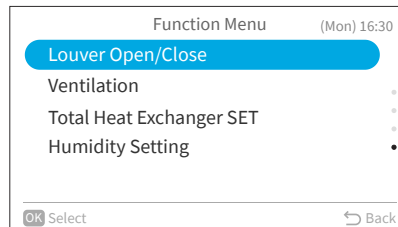
This function is used to fully open louver for adjusting the horizontal (left or right) direction of the air flow.

NOTES:

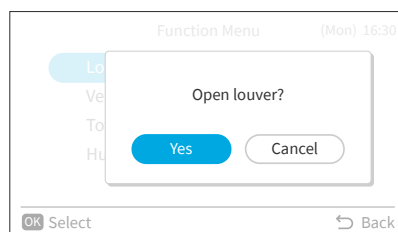
- This function cannot be set when the air conditioner is ON.
- This function is available on selected indoor unit types. Refer to the user manual of indoor unit for details.

1. Louver Open/Close

Step1. Select "Louver Open/Close" on the "Function Menu" and press "OK".



Step2. Press "<" or ">" to select "Yes" and press "OK" to open/close air outlet of indoor units.



5.15 Ventilation

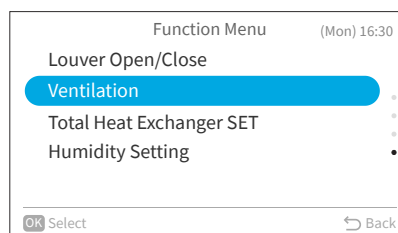
Operation Mode	Action
A/C	Operate the air conditioner individually.
Ventilation	Operate the EconoFresh individually.
A/C + Ventilation	Operate the air conditioner and the total heat exchanger together.

NOTE:

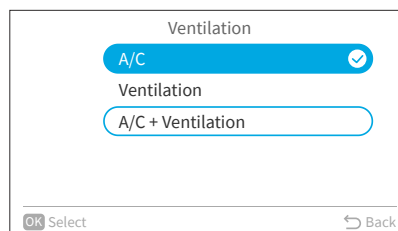
- A/C + Ventilation function is available only when the total heat exchanger is connected.

1. Ventilation

Step1. Select "Ventilation" on the "Function Menu" and press "OK".



Step2. Press "^" or "v" to select the operation mode and press "OK" to confirm. The item changes as follows: "A/C" ↔ "Ventilation" ↔ "A/C + Ventilation". Press "↵" to return to Function Menu.



5. Function Menu Screen Display

5.16 Humidity Setting

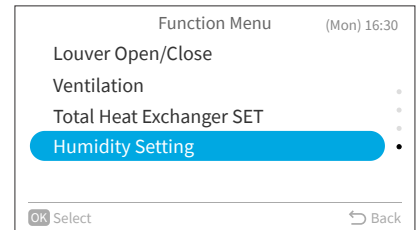
This function is used to set the humidity setting of indoor unit from wired remote controller.

NOTE:

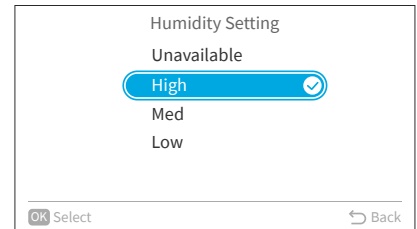
- Humidity Setting function is available only when the indoor unit with humidity function is connected.

1. Humidity Setting

Step1. Select "Humidity Setting" on the "Function Menu" and press "OK".



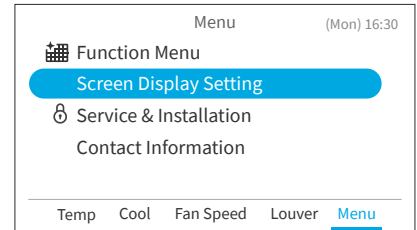
Step2. Press "^" or "v" to select the level and press "OK" to confirm.
The item changes as follows:
"Unavailable" ↔ "High" ↔ "Med" ↔ "Low".
Press "↵" to return to Step1.



6. Screen Display Setting

1. Screen display setting

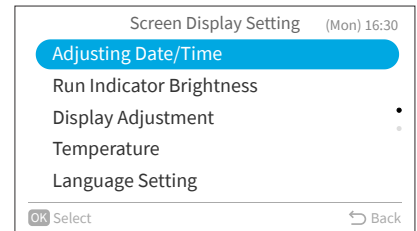
Step1. Select "Screen Display Setting" on the "Menu" screen and press "OK".



Step2. Press "^" or "v" to select setting item and press "OK".

Press "←" to return to "Menu" screen.

- If there is no operation on the display setting screen for about 10 minutes, the screen automatically returns to the home screen.
- Various settings are saved even when the power supply is off.



6.1 Adjusting Date/Time

Function	Action
Adjust Date/Time	Set Year/Month/Day/Hour/Minute.
Time Format	Change the time format to 12 hour/24 hour.

6.1.1 Adjusting Date/Time

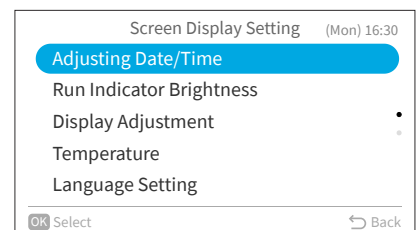
- Periodic time setting is recommended. (Clock accuracy: difference within ± 70 seconds by a month)
- In the event of a power supply disruption, the built-in capacitor will retain the settings including the time settings for up to 72 hours. Reset the date and time if the controller remains without power for longer than 72 hours or the main power supply is OFF for a long period of time.
- When adjusting time from the main controller, the time on the sub controller will automatically synchronise with the main controller.

NOTE:

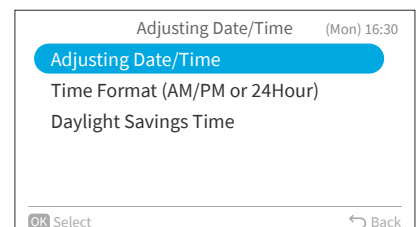
- It is possible to adjust time from the sub controller. If the time has been changed by more than two minutes, the main controller will synchronise with the sub controller.
(Please check the main and sub display on the home screen. If it is not displayed, check "8. Main Remote Setting" in the Installation and Maintenance Manual.)

1. Screen display setting

Step1. Select "Adjusting Date/Time" on the "Screen Display Setting" screen and press "OK".

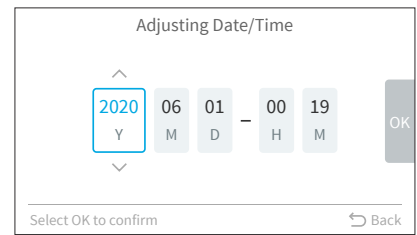


Step2. Press "^" or "v" to select "Adjusting Date/Time" and press "OK".



6. Screen Display Setting

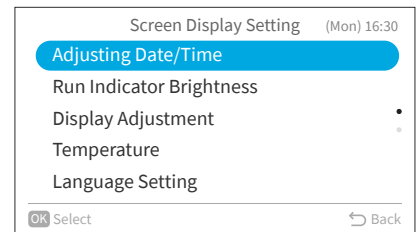
- Step3. Press "<" or ">" to select "yyyy/mm/dd/hh/mm". Press "^" or "v" to change the setting.
- Step4. After making all settings, If select "OK" and press "OK", the screen returns to Step2. If press "↵", the confirmation screen is displayed. Select "Save" and press "OK" to confirm the setting and the screen returns to Step2. Select "Not Save", it returns to Step2 without any setting changes. If press "↵" again, it returns to Step3.



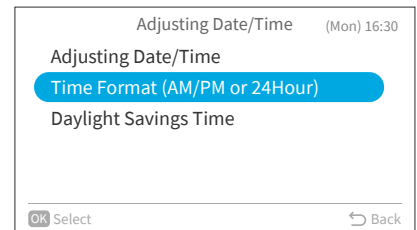
6.1.2 Time Format

1. Set time format

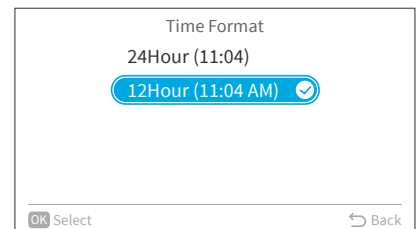
Step1. Select "Adjusting Date/Time" on the "Screen Display Setting" screen and press "OK".



Step2. Press "^" or "v" to select "Time Format" and press "OK".



Step3. Press "^" or "v" to select 24 hour or 12 hour and press "OK". Press "↵" to return to Step2.

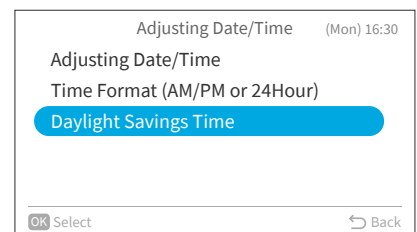


6.1.3 Daylight Savings Time

This function adjusts time forward or backward an hour when daylight savings time starts or ends.

1. Set daylight savings time

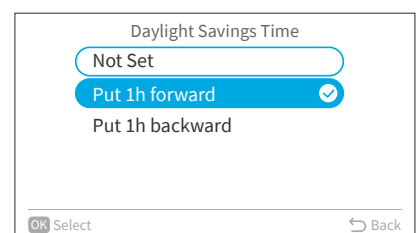
Step1. Select "Daylight Savings Time" on the "Adjusting Date/Time" screen and press "OK".



Step2. Press "^" or "v" to select the setting and press "OK".

NOTE:

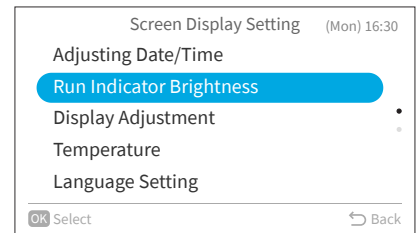
- In the same refrigerant system, this function can be set only on one wired remote controller. Once set, the function is automatically synchronized to the other wired remote controllers. Therefore, in the same refrigerant system, you do not need to set this function on multiple wired remote controllers simultaneously.



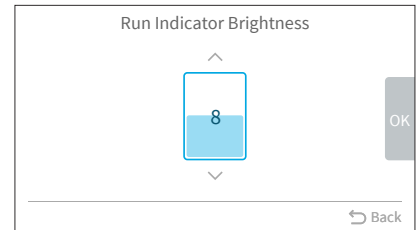
6.2 Run Indicator Brightness

1. Set run indicator brightness

Step1. Select "Run Indicator Brightness" on the "Screen Display Setting" screen and press "OK".



Step2. Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to the "Screen Display Setting" screen.



NOTE:

- When the run indicator brightness is set to be 0, the backlight turns off after no operation for the set time. In this case, the current status is not indicated.

6.3 Display Adjustment

Function	Action
Brightness	Adjust the brightness of the backlight.
Backlight on	Change the time when the backlight turns dim after inactivity.
Backlight dim(operation)	Change the time when the backlight turns off after inactivity during operation.
Backlight dim(stop)	Change the time when the backlight turns off after inactivity during stop.
Screen Theme	Select the screen theme as light or dark.

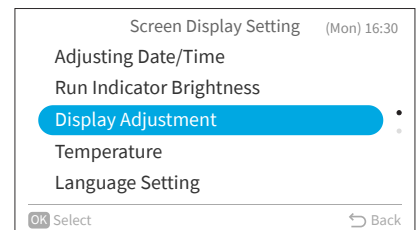
NOTE:

- When connecting with two remote controllers, the maximum backlight brightness is 8.

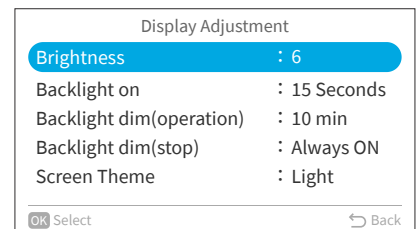
6.3.1 Backlight Brightness

1. Set backlight brightness

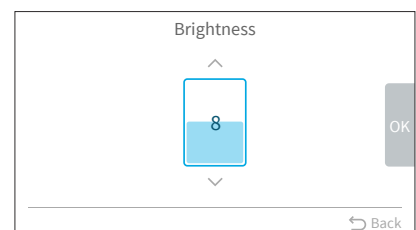
Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".



Step2. Select "Brightness" and press "OK".



Step3. Press "^" or "v" to change the brightness value. Select "OK" and press "OK", the screen returns to Step2.

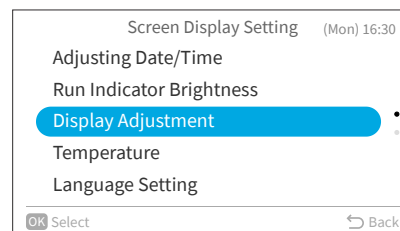


6. Screen Display Setting

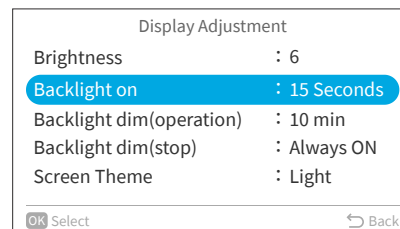
6.3.2 Backlight on

1. Set backlight on time

Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".

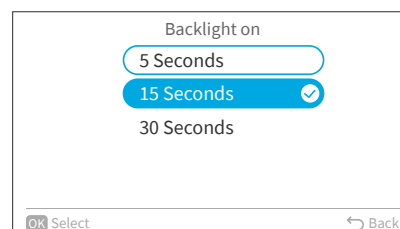


Step2. Select "Backlight on" and press "OK".



Step3. Press "^" or "v" to select the desired time and press "OK".

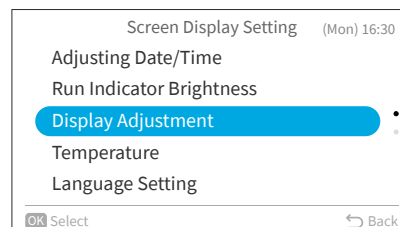
Step4. Press "↵" to return to Step2.



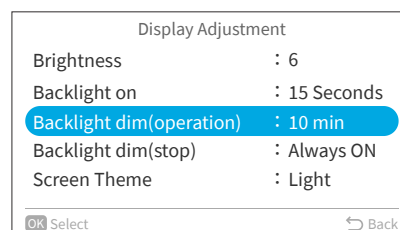
6.3.3 Backlight dim(operation)

1. Set backlight dim time

Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".

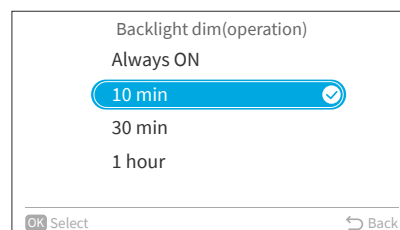


Step2. Select "Backlight dim(operation)" and press "OK".



Step3. Press "^" or "v" to select the desired time interval and press "OK".

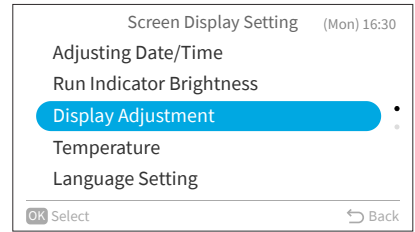
Step4. Press "↵" to return to Step2.



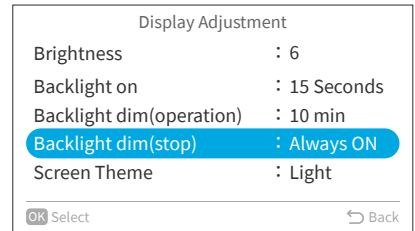
6.3.4 Backlight dim(stop)

1. Set backlight off time

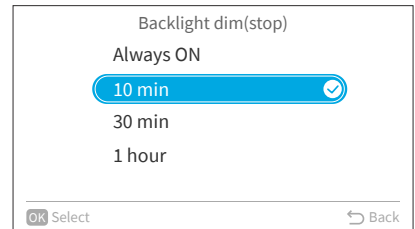
Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".



Step2. Select "Backlight dim(stop)" and press "OK".



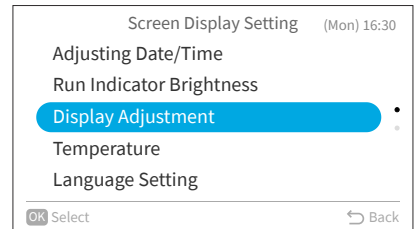
Step3. Press "^" or "v" to select the off time interval and press "OK".
Press "↵" to return to Step2.



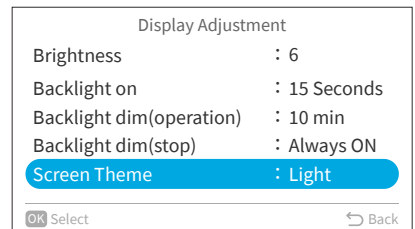
6.3.5 Screen Theme

1. Set screen theme

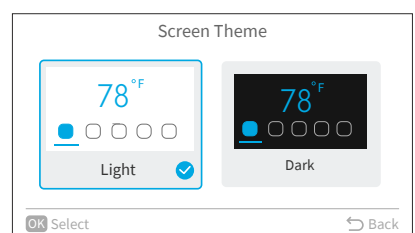
Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".



Step2. Select "Screen Theme" and press "OK".



Step3. Press "<" or ">" and "OK" to select the screen theme.
Press "↵" to return to Step2.



6. Screen Display Setting

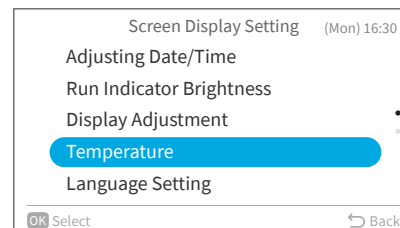
6.4 Temperature

Function	Action
Unit and Width	Change temperature unit and width.
Display of Thermistor Temperature	Show/hide the thermistor temperature display on the home screen.

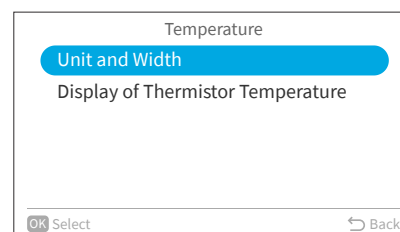
6.4.1 Temperature Unit and Width

1. Set temperature unit and width

Step1. Select "Temperature" on the "Screen Display Setting" screen and press "OK".

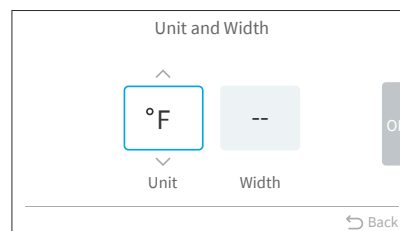


Step2. Press "▲" or "▼" to select "Unit and Width" and press "OK".



Step3. Press "<" or ">" to select unit or width. Press "▲" or "▼" to change the setting.

- When the unit is selected, it changes as below.
°F ↔ °C
- When the width is selected, it changes as below.
0.5 ↔ 1
(The width can be set only when the unit is °C.)

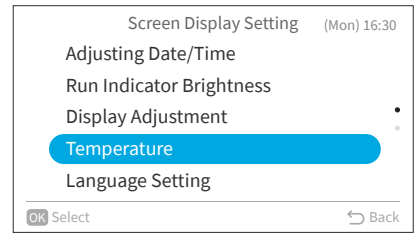


After making all settings, select "OK" and press "OK", the screen returns to Step2.

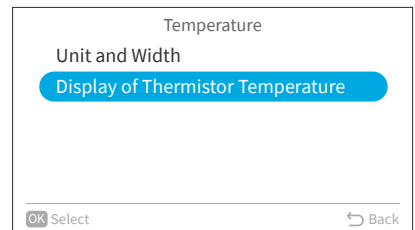
6.4.2 Display of Thermistor Temperature

1. Set thermistor temperature display

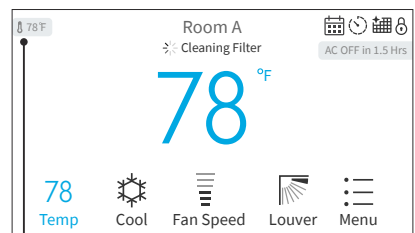
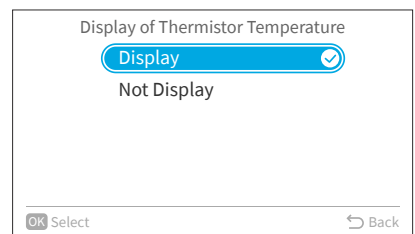
Step1. Select "Temperature" on the "Screen Display Setting" screen and press "OK".



Step2. Press "^" or "v" to select "Display of Thermistor Temperature" and press "OK".



Step3. Press "^" or "v" to select the setting and press "OK". Press "↵" to return to Step2.



The icon indicates that the thermistor temperature is set to be displayed.

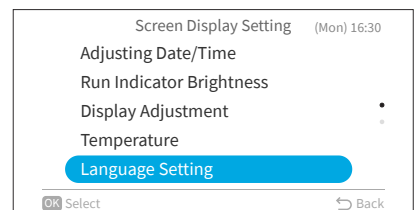
6.5 Language Setting

This function is to change the displayed language.

Selectable language: Japanese, English(°C), English(°F), Simplified Chinese, Traditional Chinese, French, Portuguese, or Spanish.

1. Set display language

Step1. Select "Language Setting" on the "Screen Display Setting" screen and press "OK".



Step2. Press "^" or "v" to select the language and press "OK". Press "↵" to return to "Screen Display Setting" screen.



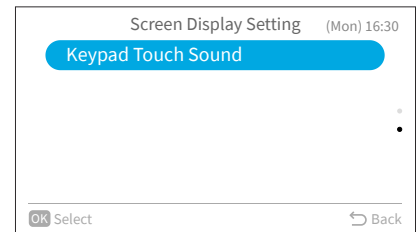
7. Contact Information

6.6 Keypad Touch Sound

This function is to change the touch sound on keypad.

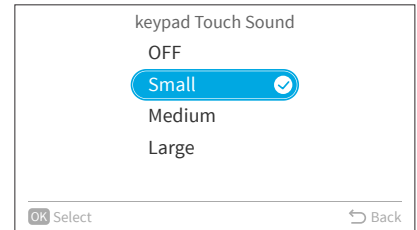
1. Set keypad touch sound

Step1. Select "Keypad Touch Sound" on the "Screen Display Setting" screen and press "OK".



Step2. Press "^" or "v" to select the sound volume and press "OK".

Press "↵" to return to "Screen Display Setting" screen.

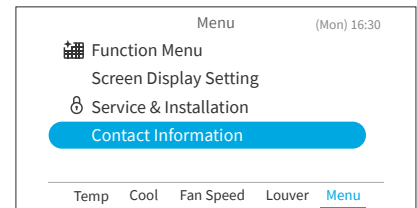


7. Contact Information

The screen displays service contact information and the latest alarm code.

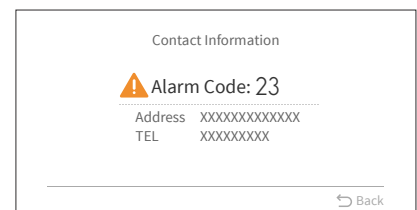
1. Set contact information

Step1. Select "Contact Information" from the "Menu" screen and press "OK".



→Display service contact information and the latest alarm code.

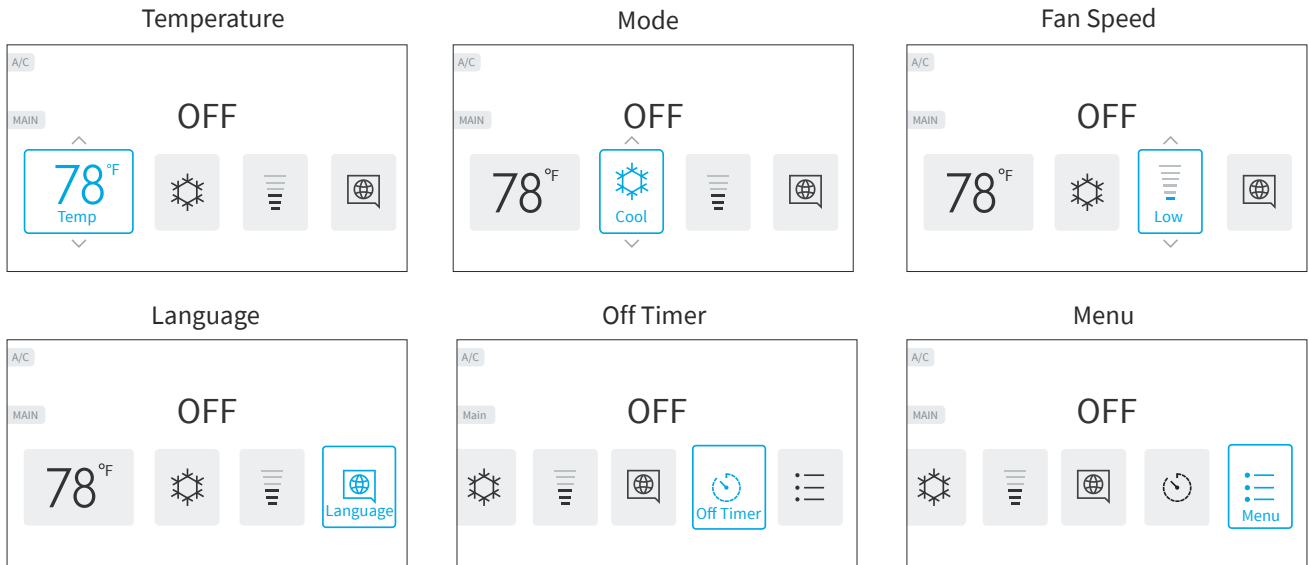
Press"↵" to return to the "Menu" screen.



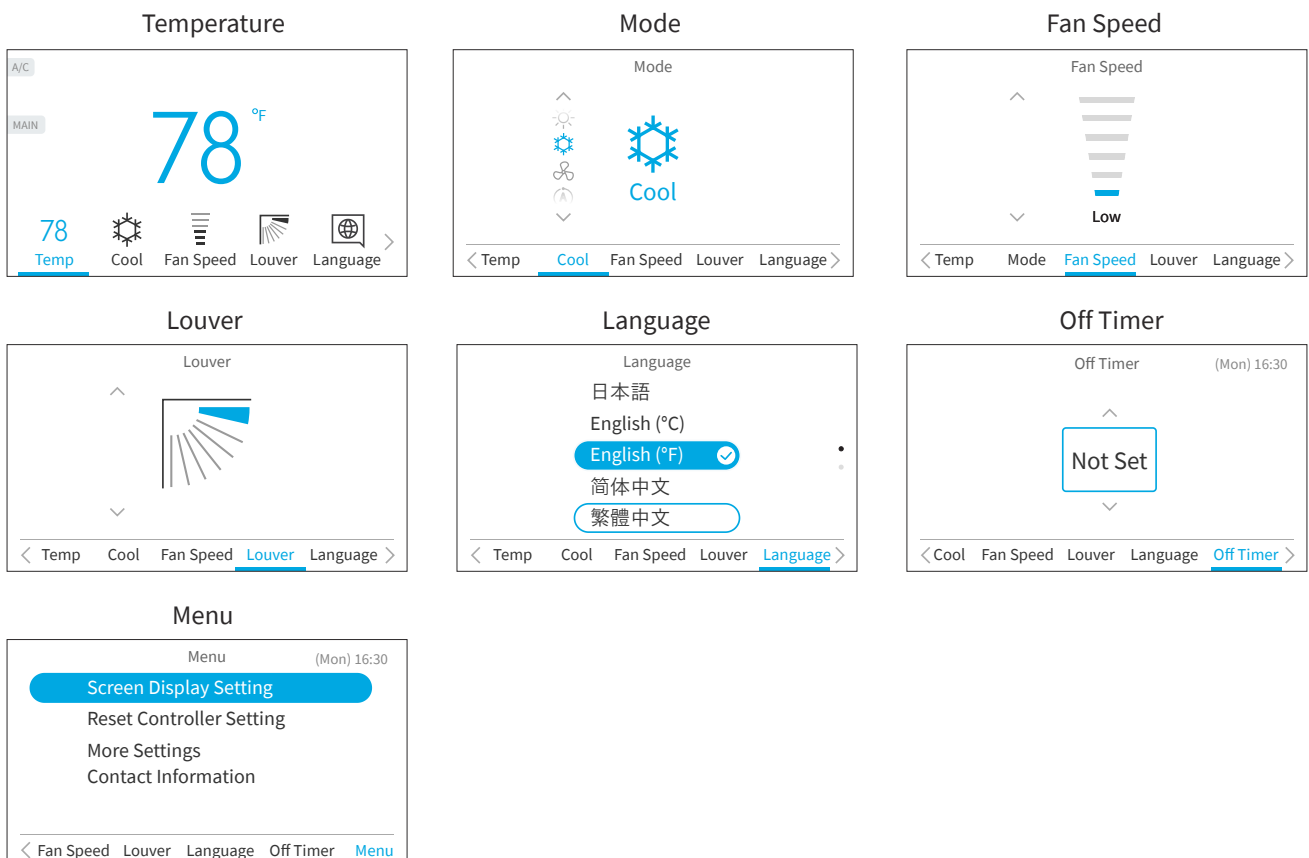
8. Hotel Mode Setting

When the advanced wired remote controller is set to hotel mode, the home screen and menu are changed. For how to set the hotel mode, refer to "Hotel Mode Setting" in the Installation Manual.

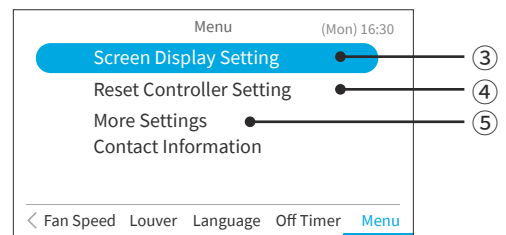
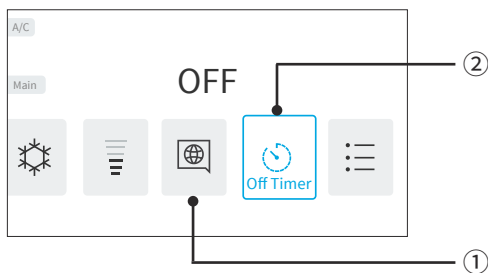
- When the air conditioner is OFF
Press "<" or ">" to select the setting item. The item changes as follows:
"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Language" ↔ "Off Timer" ↔ "Menu".



- When the air conditioner is ON
Press "<" or ">" to select the setting item. The item changes as follows:
"Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Louver" ↔ "Language" ↔ "Off Timer" ↔ "Menu".



8. Hotel Mode Setting



① Language

Change to the desired language.

② Off Timer

Turn off the air conditioner after the desired time.

③ Screen Display Setting

Make settings for screen display.

Please refer to "**6. Screen Display Setting**".

④ Reset Controller Setting

The off timer is reset to not set, the language setting is reset to English, and the temperature setting unit is reset to °C.

When the wired remote controller is used in a hotel, the settings are easily initialized after checking out.

⑤ More Settings

"More Settings" has same features with "Menu" when hotel mode is unavailable.

8.1 Language

1. Set language

Step1. Press "<" or ">" to select "Language" in the home screen.

Step2. Press "^" or "v" to select the language and press "OK".



8.2 Off Timer

NOTES:

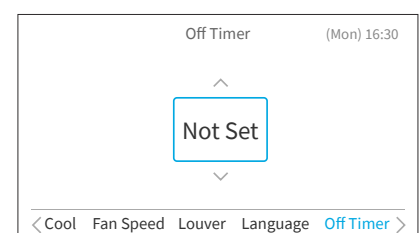
- "Off timer" can be set even when the air conditioner is stopped.
- If the set time is reached during stop, the off timer setting is canceled.
- While the wired remote controller is prohibited, "off timer" cannot stop the air conditioner operation.

1. Set off timer

Step1. Press "<" or ">" to select "Off Timer" in the home screen.

Step2. Press "^" or "v" to select the timer setting and press "OK".

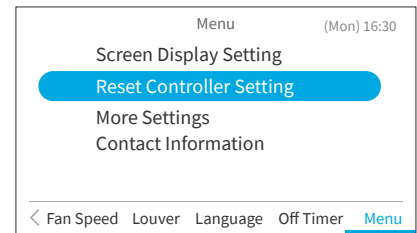
- The timer can be set from 0.5 to 23 hours.
- Press "^" to increase 30 minutes of each step for 0.5 to 9.5 hours, 1 hour of each step for 10 to 23 hours.



8.3 Reset Controller Setting

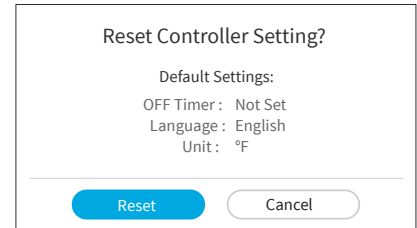
1. Reset controller setting

Step1. Press " \wedge " or " \vee " to select "Reset Controller Setting" in the "Menu" screen and press "OK".

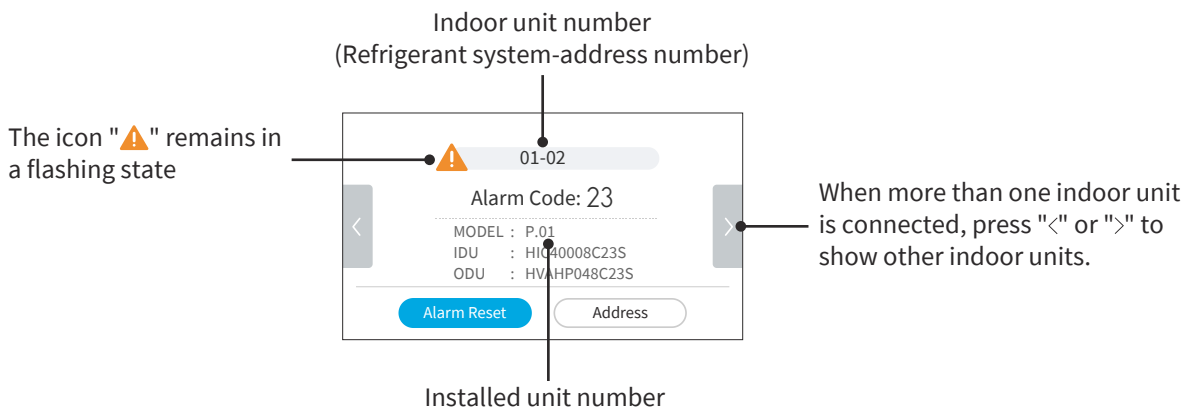


Step2. Press " \leftarrow " or " \rightarrow " to select "Reset" and press "OK", return to "Menu" screen. The default settings are as table below .

Off Timer	Not Set
Language	English
Unit	°F



9. In Alarm Condition



- The RUN indicator flashes.
- The indoor unit number, alarm code, model code, and the connected number of indoor units are displayed on the screen.
- If two or more indoor units are connected, the above functions for each indoor unit are displayed one-by-one.

9.1 Power Failure

- All the indicators are OFF.
- If power to the system is interrupted for longer than 2 seconds, the system does not automatically start. The system can be restarted by pressing the on/off button on the keypad. Perform the starting procedures again.
- If the power recovers within 2 seconds, the air conditioner starts again automatically.

9.2 Electromagnetic Interference (EMI)

- There could be an instance where all the indications are OFF and the unit is stopped.
- This can occur through activation of the microcomputer for the air conditioner protection from the Electromagnetic Interference (EMI).
- Perform the starting procedures again.

