# HITACHI

# **OPERATION MANUAL**

Advanced Color Wired Remote Controller



MODEL PC-ARFG2-Z



**ORIGINAL INSTRUCTIONS** 



Cooling & Heating

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# 1. Safety Summary

#### **Signal Words**

<b>A</b> WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
	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**



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.

- 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.

# 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 temperture limits are between 0°C to 40°C.
- 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**



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**

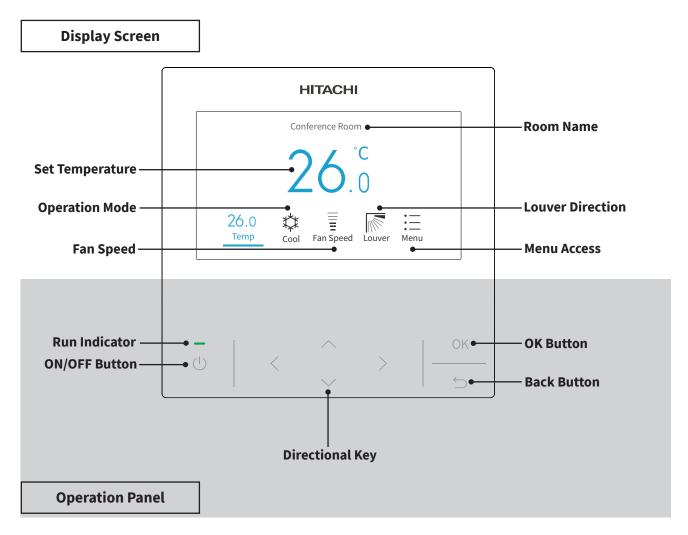
# 

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 power cord is damaged, it must be replaced immediately by a suitably qualified tradesperson.
- 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.



- 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

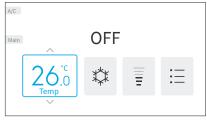
When power is supplied to the system, the screen below is displayed when the controller is establishing communication with the indoor unit.

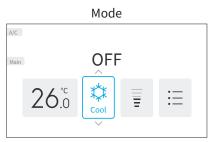


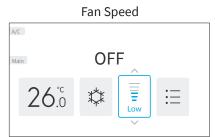
2. Air Conditioner OFF

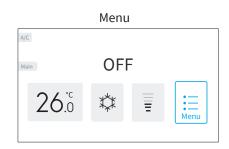
When air conditioner is off, press "<" or ">" to switch between the settings below: "Temperature" ↔ "Mode" ↔ "Fan Speed" ↔ "Menu".(The louver icon is not displayed when the system is turned off.)

Temperature



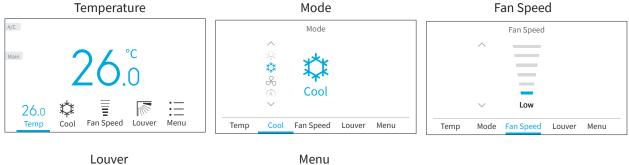






3. Air Conditioner ON

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



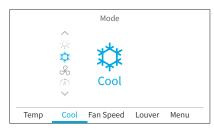


#### 3.2 Operation Mode (Cool, Heat, Dry, Auto Cool/Heat and Fan Operation)

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 " $\uparrow$ " or " $\checkmark$ ". The operation mode is switched in the following order:  $rac{}{}$ "Cool"  $\leftrightarrow$  "Heat"  $\leftrightarrow$  "Dry"  $\leftrightarrow$  "Auto"  $\leftrightarrow$  "Fan"  $\leftarrow$ 

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 -1°C
- Temperature switch from heat mode to cool mode: Room temperature = Cooling set temperature +1°C

A/C	Co	onference Roc	om	
Main	2	6.°c 2	O.0 HEAT	
26.0 <mark>20.0</mark> Temp	(À) Auto	Fan Speed	Louver	: Menu



#### NOTES:

- The Auto Cool/Heat 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".

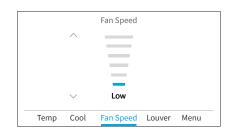


Step2. By pressing "<", the temperature is increased in increments of 0.5°C to a maximum of 30°C. By pressing "<", the temperature is decreased in decrements of 0.5°C to a minimum of 19°C in the cooling mode and 17°C in the Heating mode.

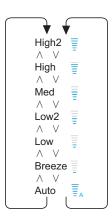
- Depending on the type and setting of the indoor unit, it may not be possible to set the temperature by 0.5°C.
- The max./ min. temperature may differ depending on the type of indoor unit.
- The allowable minimum and maximum set temperatures can be individually altered for both cooling and heating through 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.

#### 3.4 Fan Speed Setting

 This function is used to set fan speed. Step1. Press "<" or ">" and select "Fan Speed".



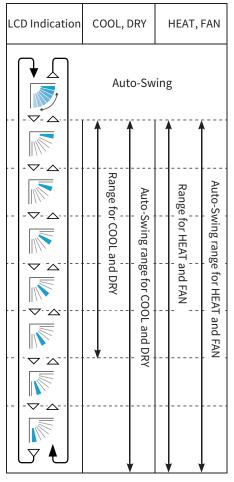
Step2. By pressing "¬" or "¬", the fan speed changes as follows.



- 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.

#### **3.5 Louver Swing Direction**

- 1. This function is used to set the louver direction and is only applicable to indoor units that have an oscillating louver.
  - Step1. Press "U" (On/Off). Make sure that the air conditioner is ON. Press "<" or ">" and select "Louver".
  - Step2. By pressing "^" or "\", 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.

- 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**

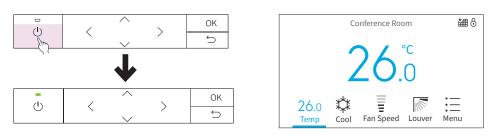
NOTES:

- 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 "U" (On/Off).

 $\rightarrow$  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).

 $\rightarrow$  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.

#### **3.7 Icon Description**

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

- 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.	lcon	Description
1	±===	A schedule timer is set.
2		The current time has not been set. Schedule timer operation is not possible.
3	0	The off timer is set.
4	$\mathbf{\hat{o}}$	The operation lock is set.
5	品	Displayed when using the central controller. Control through the wired remote controller may be restricted depending on the settings of the central controller.
6	母	The FrostWash cycle is due to be run. Refer to Page 34 for details on FrostWash.
7	t 曲	It is time to clean the air filter.
8	A/C	Air-conditioning operation is performed.
9	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.
10		In Rotation operation. This icon appears only when multiple systems are installed and the Rotation operation is set.
11		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.
12		In backup operation in high load. If there is a difference between the room temperature and the setting temperature, the standby refrigerant systems start to operate. This icon appears only when multiple systems are installed and the backup operation is set.
13	<b>₰</b> ** °C	Displays the room temperature. (*1)
14	SAG	Elevating grille is not positioned correctly.
15	Temporary	Emergency operation is in progress.
16	Setback	When setback operation is enabled and the card key is removed (when no one is present). $(^{\star}2)$
17	Purging	In night purge progress.
18	Setback aborted	Setback is aborted.
19	24-hour ventilation	24-hour ventilation is in progress.
20	Humidifier is run	The humidifier is in operation.
21	Motion Sensor ON	Indicates capacity savings by motion sensor control during operation or stop.
22	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.
23	Cold draft restrained	In order to prevent indoor temperature from being too low.
24	Noise reduction	The operation noise reduction control of the outdoor unit is set.
25	FrostWash is complete	Indicates the FrostWash cycle has been run and completed.
26	IU temp. over range FrostWash stopped	The FrostWash cycle has been aborted as the indoor temperature is out of the allowable range 15°C to 30°C.
27	OU temp. over range FrostWash stopped	The FrostWash cycle has been aborted as the outdoor temperature is out of the allowable range of 1°C to 43°C.

No.	lcon	Description
28	Sav Sav: Low Sav: Med Sav: High	Either the outdoor capacity control, indoor rotation control, or intermittent operation control is set.
29	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.
30	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.
31	Sub	Sub remote controller is set. Some functions cannot be set from a Sub remote controller.
32	! Sub	There is no main remote controller. Controls related to power savings and operation noise reduction may not operate normally.
33	Quick	The operation is in quick mode.
34	Other remote are in ** setting	mode set on the controller.
35	Emergency Heating → Alarm Code: **	Emergency Heating Control is in progress. ** indicates the alarm code.
36	유 Auto Clean Unit 유 Mechanic error 승 Check the unit	Indicates an error related to the automatic filter cleaning unit(if fitted).
37	ेंस् Cleaning Filter	The filter is being automatically cleaned(if fitted).
38	Check	Indicates an abnormality in the heat storage unit(if fitted).
39	Preheating	The compressor cannot be operated because it is preheating.
40	HOT-START	Preparing for heating operation.
41	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.
42	Heat Storage	It cannot be operated due to the heat storage operation time(if fitted).
43	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).
44	Central control	Displayed when using the central controller. Remote controller operation is restricted.
45	Time to OFF(hour)	The remaining time of the off timer when the hotel mode is displayed.
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.

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

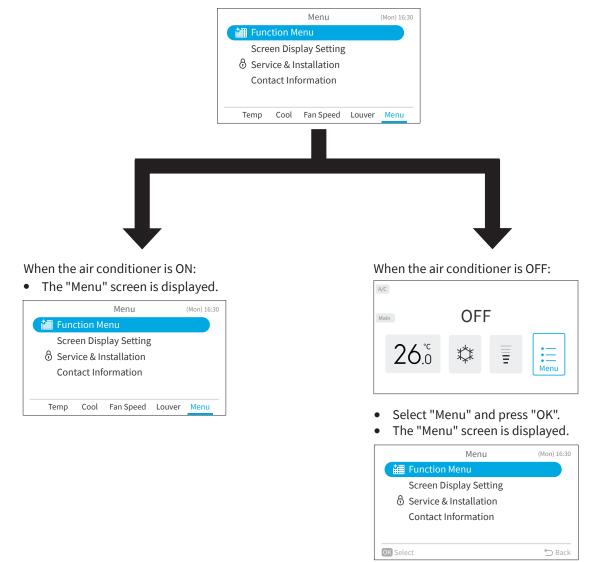
(\*2): The default setting is cooling: set temperature +2.5°C, heating: set temperature -2.5°C. If you want to change the correction value for this setback operation, please contact your Hitachi service agent for assistance with this.

## 4. Menu Operation

NOTE:

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

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



- 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"**.

- Some functions cannot be set depending on the type, configuration, and usage status of the indoor unit.
- If a function with " $\bigcirc$ " 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 "∨" 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.

Function Menu	(Mon) 16:30
Simple Timer	
Operation Schedule	•
Power Savings Setting	•
Night Quiet Operation	•
Power Saving/Night Quiet Sche	dule
Select	🖒 Back
	Simple Timer Operation Schedule Power Savings Setting Night Quiet Operation

#### **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.

Step2. Press "<" or ">" to select the item to be set:

- 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.

Function Menu	(Mon) 16:30
Simple Timer	
Operation Schedule	•
Power Savings Setting	•
Night Quiet Operation	•
Power Saving/Night Quie	et Schedule
OK Select	🕤 Back

		Simple Timer	- (Mo	on) 16:30	
	^				
	Execute	ON Time	OFF Time		
	Everyday	08:00	18:00	Ū	
	~				
OK S	OK Select Select				

Step3. Press "∧" or "∨" to set each item. After setting, press "⊖" to confirm the settings and the screen returns to the "Function Menu" screen.

"Execute"  $\leftrightarrow$  "ON Time"  $\leftrightarrow$  "OFF Time"  $\leftrightarrow$  " $\overline{\mathbb{II}}$ ".

- When "Execute" is selected, press "∧" or "∨" 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 "\".
- When " III " 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.

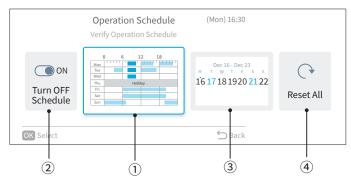
		Simple Timer	(Mo	n) 16:30	
	~				
	Execute	ON Time	OFF Time		
	Once	08:30	17:30	Ū	
	OK Select Select				
ON S				Duck	

	Simple Timer	(Mon) 16:30
	Reset the Simple Timer Setting? Yes Cancel	
OK Selec	zt	∽ Back

#### **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.



- Schedule day and time setting (Page 16) 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 17 )

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 )

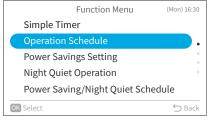
The schedule day / time setting and holiday setting are deleted.

#### 5.2.1 Schedule Day and Time Setting

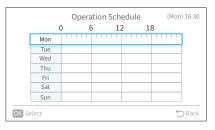
NOTES:

- 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".
    - Select the day of the week (from Mon. to Sun.) to be set Step3. with " $\uparrow$ " or " $\checkmark$ ", and press "OK".
      - Image: (run) and □ (stop) is displayed on the LCD. •
      - To copy the setting contents of the previous day, press • "<" and "OK" simultaneously.
    - Step4. Press" $^{"}$  or " $^{"}$ " to select schedule timer No.1 to No.5, and press "<" or ">" to select "ON Time"  $\leftrightarrow$  "OFF Time"  $\leftrightarrow$ "Set Temp." $\leftrightarrow$  " $\overline{\mathbb{II}}$ ". By pressing " $\wedge$ " or " $\checkmark$ ", "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".

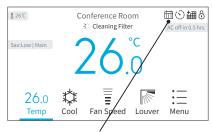
Press " $\bigcirc$ " to return to Step3.







			Monday Schedule	(Mon)	16:30
	ON Time				
1	08:00	~	10:00	26.0 °C	Ū
2	12:00	~	16:00	26.0 °C	Ū
3	18:00	~	22:00	26.0 °C	Ū
4	;	~	:	°C	Ū
5	:	~	:	°C	Ū
Press Up and Down to adjust					



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

#### 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.
    - $\rightarrow$  The display  $\ddagger$  turns on when the schedule is ON.
    - $\rightarrow$  The display  $\stackrel{\text{there}}{=}$  turns off when the schedule is OFF.

	Function Menu	(Mon) 16:30
	Simple Timer	
	Operation Schedule	
	Power Savings Setting	•
	Night Quiet Operation	0
	Power Saving/Night Quiet Schedu	le
OK	Select	🕤 Back

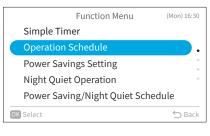


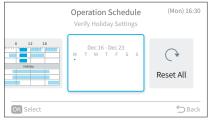
Turn OFF Schedule ?	: 16 - Dec
Yes Cancel	81920

#### 5.2.3 Schedule Holiday Setting

NOTE:

- When a Holiday period has been set, the indicator iii 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".









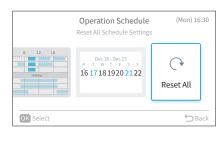
Step3. Select the day of the week (from Mon. to Sun.) to set as a holiday by pressing "\" "\" "<" or ">". Press "OK" to select "Holiday setting" or "Cancel". "•" indicates the current day of the week. "O" indicates the holiday to be selected. "•" indicates the holiday already set. Press "\" to confirm the setting and return to Step2.

#### 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".

	Function Menu	Mon) 16:30
	Simple Timer	
	Operation Schedule	
	Power Savings Setting	•
	Night Quiet Operation	٠
	Power Saving/Night Quiet Schedul	e
0	K Select	🖒 Back



Operation Schedule	
Reset All Schedule and Holiday Settings ?	
Yes Cancel	181920
OK Select: on/off schedule	∽ Back

#### **5.3 Power Savings Setting**

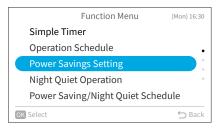
No. Item		Description
(1) Capacity Control		Reduce the heating and cooling capacity of the indoor unit.
	cupacity control	Set control mode and power savings level with its corresponding value.
2	Rotation Control	Interlock with indoor units of the same outdoor unit system and switch to FAN operation in 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

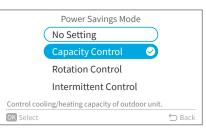
- 1. Set the power savings mode
  - Step1. Select "Power Savings Setting" on the "Function Menu" screen and press "OK".



Step2. Press " $^{"}$  or " $^{"}$  to select the "Mode Selection" and press "OK".

Power Savings Setting					
Mode Selection		Capacity Control			
ON/OFF	:	ON			
Level	:	Low			
OK Select		🕤 Back			

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".
- Function Menu (Mon) 16:30 Simple Timer Operation Schedule Power Savings Setting Night Quiet Operation Power Saving/Night Quiet Schedule
- Power Savings Setting

   Mode Selection
   : Capacity Control

   ON/OFF
   : ON

   Level
   : Low





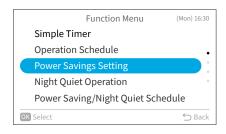
When power savings is ON, power savings level is displayed to indicate the power savings setting.

Step2. Press " $\neg$ " or " $\checkmark$ " to select the "ON/OFF" and press "OK".

Step3. Press "∧" or "∨" to select the "ON" and press "OK". Press "⊖", the screen returns to the "Power Savings Setting" screen.

#### **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".



 Power Savings Setting

 Mode Selection : Capacity Control

 ON/OFF : ON

 Level : Low

 Image: Select to Back

	Power Savings Level	
(	Low	
	Med 🥪	
	High	
OK Select		🕤 Back

A16381H9HL

Step2. Press " $\$  or " $\$  to select the "Level" and press "OK".

Step3. Press " $\uparrow$ " or " $\checkmark$ ", the power savings level changes as

Press ""; the screen returns to the "Power Savings

You may not be able to select from the settings in the

follows: "Low"  $\leftrightarrow$  "Med"  $\leftrightarrow$  "High". Select the level and press "OK".

power saving details setting.

Setting" screen.

#### **5.4 Night Quiet Operation**

This function restricts the operation noise of the outdoor unit.

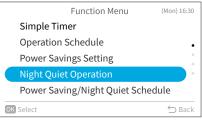
NOTES:

- 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 "∨", 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.

Night Quiet Operation	(Mon) 16:30
Not Set	
Low 🥥	
Med	
High	
OK Select	∽ Back

#### 5.5 Power Saving/Night Quiet Schedule Setting

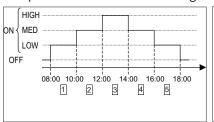
This function starts and stops power savings control and operation noise reduction control at the desired time. Up to 5 Power saving/night quiet schedules can be set for each day of the week.

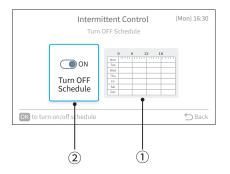
The power savings schedule uses the setting made in the Power Saving settings in the function menu(refer to "5.3 Power Savings Setting").

#### 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 Example 2 X Monday Schedule (Mon) 16:30 Monday Schedule

			Monday Schedule	(M)	on) 16:30					Monday Sch	edule (M	on) 16:30
	ON Time		OFF Time							OFF Time		n level
1	08:00	~	10:00	LOW	Ū	1	L	08:00	~	18:00	LOW	Ū
2	10:00	~	12:00	MED	Ū	2		10:00	~	16:00	MED	Ū
3	12:00	~	14:00	HIGH	Ū	3		12:00	~	14:00	HIGH	Ū
4	14:00	~	16:00	MED	Ū	4	1	:	~	:		Ū
5	16:00	~	18:00	LOW	Ū	5		:	~	:		Ū
Pr	ess Up and Do	own t	to adjust		🖒 Back	Р	Pre	ss Up and Do	wn t	o adjust		🖒 Back

 Schedule day and time setting (Page 25) 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 26) Schedule operation is not performed while the schedule is disabled. This is a function that prevents the schedule from running when not required.

#### 5.5.1 Schedule Day and Time Setting

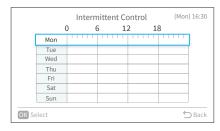
#### NOTE:

- 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 "∨" 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".

Function Menu	(Mon) 16:30
Simple Timer	
Operation Schedule	•
Power Savings Setting	•
Night Quiet Operation	0
Power Saving/Night Quiet Sche	dule
OK Select	🕤 Back

	(Mon) 16:30
Power Saving/Night Quiet Schedule	<u>è</u>
Capacity Control	
Intermittent Control	
Night Quiet Operation	
Set when schedule is used. ' Power Savings mode setting activated too.	
OK Select	🖒 Back

	ermittent Control ermittent Control Schedule	(Mon) 16:30
ON Turn OFF Schedule	0 6 12 18 Max 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Back



			Monday Schedule	(Mo	on) 16:30
	ON Time				
1	08:00	~	10:00	LOW	Ū
2	10:00	~	12:00	MED	Ū
3	12:00	~	14:00	HIGH	Ū
4	14:00	~	16:00	MED	Ū
5	16:00	~	18:00	LOW	Ū
Press Up and Down to adjust 5 Bao					



Indicates that schedule control is in operation.

- Step4. Select the day of the week (from Mon. to Sun.) to be set with " $\uparrow$ " or " $\checkmark$ ", 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 "∨" to select schedule timer No. 1 to No.5, and press "<" or ">" to select "ON Time" ↔ "OFF Time" ↔ "Level"↔ " III". By pressing "∧" or "∨", "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 "III" and press "OK" to delete the setting of "ON / OFF Time" and "Level".

Press "⊆" to return to Step4.

#### 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 "\" 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.



()	4on) 16:30
Power Saving/Night Quiet Schedule	
Capacity Control	
Intermittent Control	
Night Quiet Operation	
Set when schedule is used. * Power Savings mode setting activated too.	
OK Select	∽ Back

		n OFF Schedule	(Mon) 16:30
	ON Turn OFF Schedule	0 6 12 18           Man         111111111111111111111111111111111111	
OK to tur	n on/off schedule		🖒 Back

	Turn OFF Schedule	
	Yes Cancel	$\supset$
OK Select		∽ Back

#### **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)
- $\circ$  Communication failure (outdoor unit  $\leftrightarrow$  indoor unit  $\leftrightarrow$  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.

Function Menu	(Mon) 16:30
Power Consumption Display	
Autoboost	0
Comfort Setting	•
Motion Sensor Setting	•
Setback Setting	
OK Select	🕤 Back

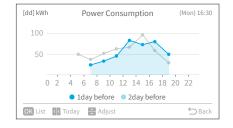
Step2. Press "OK"	Step2.	Press	"OK".
-------------------	--------	-------	-------



#### Step3. Press "<" or ">" to select the display period, and then press "OK". It switches in the order of 1 day (24 hours) $\leftrightarrow$ 1 week (7 days) $\leftrightarrow$ 1 year (12 months).







[dd] kWh	Power Consumption	(Mon) 10	6:30
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	
OK Graph		∽ B	ack

#### Comparison

Press "<" or ">" to switch the comparison target for the display period.

2 days before / 1 day before  $\leftrightarrow$  1 day before / Today 2 week ago / 1 week ago $\leftrightarrow$  1 week ago / This week 2 years ago / 1 year ago  $\leftrightarrow$  1 year ago / This year

- Display scale Press "<>" or "<>" 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.

#### **5.7 Autoboost 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 Autoboost mode for 30 minutes.

#### NOTES:

- The Autoboost function is available only on selected outdoor units. If the system does not support this function, Autoboost cannot be set.
- Autoboost 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 autoboost
  - Step1. Select "Autoboost" on the "Function Menu" screen and press "OK".

Function Menu	(Mon) 16:30
Power Consumption Display	
Autoboost	
Comfort Setting	•
Motion Sensor Setting	•
Setback Setting	
OK Select	🕤 Back

Step2.	Press " $\land$ " or " $\checkmark$ ", the selected items changes as follows:
	"Not Set" $\leftrightarrow$ "Cool" $\leftrightarrow$ "Heat" $\leftrightarrow$ "Cool + Heat".
	Select the Autoboost mode and press "OK" to confirm the
	settings.
	Bross """ to return to the "Eunstion Manu" screen

Press " $\bigcirc$ " to return to the "Function Menu" screen.

	Autoboost	
	Not Set	
	Cool 🥥	
	Heat	
	Cool + Heat	
OK Select		🖒 Back

#### **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".

Function Menu	(Mon) 16:30
Power Consumption Display	
Autoboost	0
Comfort Setting	
Motion Sensor Setting	0
Setback Setting	
OK Select	🕤 Back

- Step2. Press " $^{"}$  or " $^{"}$  to select "GentleCool Comfort", and then press "OK".
  - For other settings, please refer to the Operation Manual of the indoor unit.

	Comfort Setting	
	GentleCool Comfort	
	Louver Direction in Cooling Mode	
	Louver Direction in Heating Mode	
	Radiant Sensor Control for Heating	5
	FeetWarm Heat Air Flow	
0	Select	⇔ Back

Step3. Press " $\$  or " $\$  , the selected comfort level changes as follows:

"Not Set"  $\leftrightarrow$  "Low"  $\leftrightarrow$  "Med"  $\leftrightarrow$  "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.

GentleCool C	Comfort
Not Set	$\bigcirc$
Low	
Med	
High	
OK Select	🖒 Back

#### **5.9 Setback Setting**

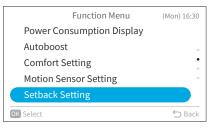
Setback function is designed to maintain a minimum level of comfort in a room when it is not occupied. Setback function is enabled or disabled at the function selection setting. The setback setting is available only when the setback mode is set as "Schedule" or "Manual" at function selection setting. 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.



Setback Setting		(Mon) 16:30
~		
ON Time 16:00	OFF Time 22:00	Ū
$\checkmark$		
		🕤 Back

	Setback Setting	(Mon) 16:30
	Reset Setback Setting ? Yes Cancel	Ū
OK Select		∽ Back

### Step2. Press "<" or ">" to select the settings, and the selected item changes as follows: "ON Time" ↔ "OFF Time" ↔ " <u>III</u>".

- Step3. Press "∧" or "∨" 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 time 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 "III" 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.

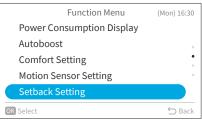
- In the following instances, the schedule operation is NOT available.
- When the operation is prohibited by the controller and is set from the central controller.
- If the icon " 😿 " is displayed, the schedule control is NOT activated because the Date/Time is not specified yet. To specify the Date/Time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

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 " $\land$ " or " $\checkmark$ " to select "ON". Press "OK" and the screen returns to the "Function Menu" screen.
  - The indicator  $\ddagger$  turns on when schedule operation is ON.
  - The indicator iii turns off when schedule operation is OFF.

Setback Setting	
OFF	
ON 📀	)
OK Select	🖒 Back

#### NOTE:

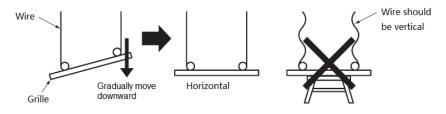
• Setback operation cannot be ON/OFF while wired remote controller operation is prohibited.

#### **5.10 Elevating Grille Setting**

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

# 

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 "^", "<", "<", or ">" to select the indoor unit of which indoor unit grille needs to be raised or lowered. Press "OK".
  - Step3. Press "~" to lower the grille until it's lowered to the set distance.
    - If need to lower the distance further than the set distance, press"~" 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 "~" 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 " $\bigcirc$ " again to return to the "Function Menu" screen.

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



		Elevating Grille	UPDW
		ALL	
	01-01		
	01-02		
	01-03		
	01-04		
OK	Select		🖒 Back

Refrigerant System No. - Address No.

Elevating Grille All	UPDW
Press to raise/lower Grille.	
	🖒 Back

#### 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".
- Function Menu (Mon) 16:30 Elevating Grille Reset Filter Reminder Time Filter Cleaning FrostWash Setting Individual Louver Setting Select Back
- Reset Filter Reminder Time Filter Usage Time : **120 h** Reset Filter Reminder Time ? Yes Cancel D Back



- 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:

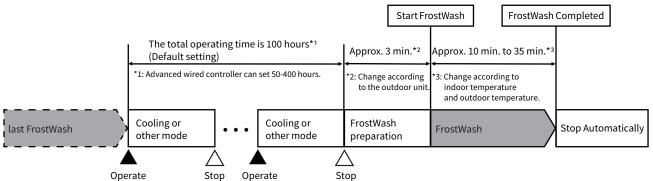
- This function cannot be set when the indoor unit and the outdoor unit do not support this function.
- When the air conditioner system supports FrostWash function and the function selection F1 of outdoor unit is set, then the FrostWash is automatically enabled.
- Depending on the outdoor unit, the settings 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 1°C and 43°C and the indoor temperature is between 15°C and 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 35)
   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 36 ) [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).

• FrostWash Intervals (Page 36) 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 37)

When the indoor unit is OFF or stopped operation after a certain period of time, FrostWash is automatically performed in the available time slot.

1	22:00	~	23:00	🗘 Sunday	Ū
2	:	~	:		Ū
3	:	~	:		Ū
4	:	~	:		Ū
	:	~	:		Ū

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 39) This function is used to check and delete the FrostWash record.

### 5.12.3 Set FrostWash

NOTE:

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

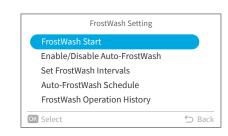
E suite Mar	(14.) 10.00
Function Menu	(Mon) 16:30
Elevating Grille	
Reset Filter Sign Time	•
Filter Cleaning	•
FrostWash Setting	
Individual Louver Setting	
OK Select	🕤 Back

During FrostWash, a freezing sound and fog may occur. This is a normal occurrence.	
 ОК	
🕤 Back	_

Step2. Press "OK".

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

- Step3. Press "∧" or "∨" to select the setting item and press "OK".
  The item changes as follows:
  "FrostWash Start" ↔ "Enable/Disable Auto-FrostWash"
  ↔ "Set FrostWash Intervals" ↔ "Auto-FrostWash
  Schedule" ↔ "FrostWash Operation History".
- (1) [Function 1] Auto-FrostWash
- Enable/Disable Auto-FrostWash Step1. Press "∧" or "∨" to select "Enable/Disable Auto-FrostWash" and press "OK".
  - Step2. Press "∧" or "∨" to select "ON" and press "OK". Press "⊆" to return to Step1.



	FrostWash Setting	
	FrostWash Start	
	Enable/Disable Auto-FrostWash	
	Set FrostWash Intervals	
	Auto-FrostWash Schedule	
	FrostWash Operation History	
0	Select	⇔ Back

Enable/Disable Auto-FrostWas	h
Disable 🥥	)
Enable	
OK Select	🗂 Back

- ② Set FrostWash Intervals
  - Step1. Press "<br/>
    <br/>
    " or "<br/>
    " to select "Set FrostWash Intervals" and press "OK".

	FrostWash Setting	
	FrostWash Start	
	Enable/Disable Auto-FrostWash	
	Set FrostWash Intervals	
	Auto-FrostWash Schedule	
	FrostWash Operation History	
0	K Select	⇔ Back

Step2.	Press", ", ", ", ", or ">" to select interval time and press
	"OK".

Set FrostWash	Intervals
50h 🔗	200 h
100h	400 h
FrostWash will start when AC is OFF a passed.	fter the hours above have
OK Select	🕤 Back

- ③ Set Auto-FrostWash Schedule
  - Step1. Press "^" or "" 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 ">" to select from schedule "1" to "5". Press"<" or ">" to select "Start time", "End time", "Weekday". Then press "^" or ">" to adjust.
    - Select "metility" 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 "∨" to select "FrostWash Start" and press "OK".

Step2. Press"<", or ">" to select "Yes" and press "OK". → Manual FrostWash is started.

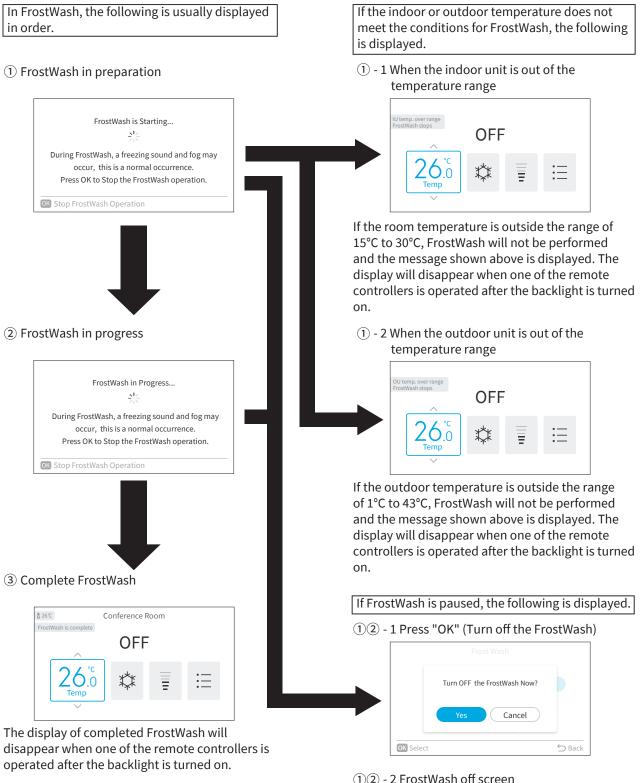
	FrostWash Setting	
	FrostWash Started	
	Enable/Disable Auto-FrostWash	
	Set FrostWash Intervals	
	Auto-FrostWash Schedule	
	FrostWash Operation History	
Oł	Select	🖒 Back

Auto-FrostWash Schedule (Mon) 16:30					
	Available	e Tim	ie Slot	Weekday	
1	08:30	~	10:30	C Monday	Ū
2	13:00	~	17:00	Monday	Ū
3	17:30	~	19:00	Monday	Ū
4	19:30	~	22:00	Every Day	Ū
5	:	~	:		Ū
Press Up and Down to adjust 🕤 Back					

	FrostWash Setting	
	FrostWash Start	
	Enable/Disable Auto-FrostWash	
	Set FrostWash Intervals	
	Auto-FrostWash Schedule	
	FrostWash Operation History	
Oł	Select	⇔ Back

	FrostWash Setting	
Fro Ena	Start the FrostWash Now?	
Set Aut	Yes Cancel	
Fros	аопоренаноптносогу	⇒ Back

#### 5.12.4 Display in FrostWash



#### 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.

## (1)2) - 2 FrostWash off screen



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

### 5.12.5 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 "~" to select "FrostWash Operation History" and press "OK".

Step2. Press the "\" or "\" 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 🕤 Bao		

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.

FrostWash Operation History	
Delete All the FrostWash Operation 201 201 201 201 201 201 201 201	ed i
OK Select	🖒 Back

## 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.

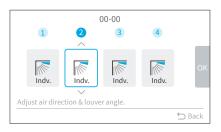
#### 5.13.1 Individual Louver Setting

- 1. Individual louver setting
  - Step1. Select "Individual Louver Setting" on the "Function Menu" and press "OK".

Function Menu	(Mon) 16:30
Elevating Grille	
Reset Filter Sign Time	•
Filter Cleaning	
FrostWash Setting	•
Individual Louver Setting	
OK Select	∽ Back

Individual Louver Setting	
Individual Louver Setting	
Cancel Individual Louver Setting	
OK Select	∽ Back

Individual Louver Setting Select Unit to Set		
00-00		
00-01		
00-02		
OK Select		



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

- If there is one indoor unit connected with the controller, Step4 is displayed.
- Step3. Press", ", ", ", or ">" to select the indoor unit to change the louver direction, and press "OK".

#### NOTE:

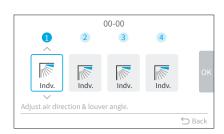
- The indoor unit displayed on the screen flashes if an individual louver is set.
- Step4. Press "<" or ">" and select the louver from 1 to 4. →The selected louver is opened while the unselected louvers are closed.

Step5. Press"∧" or "√" to select the louver angle and press "OK". →Return to Step3.
The lower angle is chosen ad as falls.

The louver angle is changed as follows.



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





Function Menu	(Mon) 16:30
Elevating Grille	
🛲 Reset Filter Sign Time	0
Filter Cleaning	
FrostWash Setting	0
Individual Louver Setting	
OK Select	🗂 Back

Individual Louver Setting	
Individual Louver Setting	
Cancel Individual Louver Setting	
OK Select	🖒 Back

Cancel Individual Louver Setting Select Unit to Set		
00-00		
00-01		
00-02		
OK Select	🕤 Back	

Ca	ancel Individual Louver Setting	
01- 01- 01-	Cancel individual louver setting?	
01-		∽ Back

## 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 "^", "\", "<", or ">" to select the indoor unit to cancel the louver direction, and press "OK". <u>NOTE:</u>
  - The indoor unit displayed on the screen flashes if an individual louver is set.
- Step4. Press "<" or ">" 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.

	Function Menu	(Mon) 16:30
Lo Ve To Hu	Open louver? Yes Car	ncel
OK Select		∽ Back

### **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:

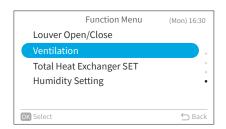
• A/C + Ventilation function is available only when the total heat exchanger is connected.

1. Ventilation

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

Step2. Press " $^{"}$  or " $^{"}$  to select the operation mode and

press "OK" to confirm. The item changes as follows: "A/C"  $\leftrightarrow$  "Ventilation"  $\leftrightarrow$  "A/C + Ventilation". Press" $\supset$ " to return to Function Menu.



	Ventilation	
	A/C	$\bigcirc$
	Ventilation	
	A/C + Ventilation	
OK Select		← Back
	A/C + Ventilation	

# 6. Screen Display Setting

1. Screen display setting

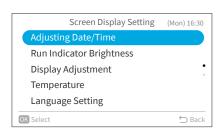
Step1. Select "Screen Display Setting" on the "Menu" screen and press "OK".

- Menu
   (Mon) 16:30

   Image: Function Menu
   Screen Display Setting

   Service & Installation
   Contact Information

   Temp
   Cool
   Fan Speed
   Louver
- Step2. Press "∧" or "∨" 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

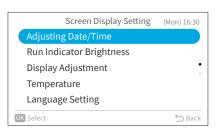
Function	Action
Adjust Date/Time	Set Year/Month/Day/Hour/Minute.
Time Format	Change the time format to 12 hour/24 hour.

### 6.1.1 Adjusting Date/Time

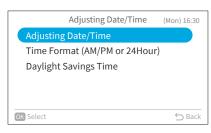
- Periodic time setting is recommended. (Clock accuracy: difference within ±70 seconds by a month)
- In the event of a power supply disruption, the built-in capacitor will retain the settings including the time settings for up to 72 hours. Reset the date and time if the controller remains without power 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 "~" to select "Adjusting Date/Time" and press "OK".



### 6. Screen Display Setting

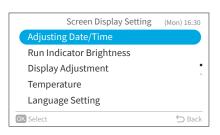
Step3. Press "<" or ">" to select "yyyy/mm/dd/hh/mm". Press "\~" or "\~" to change the setting.

	A	djusti	ng Da	te/	Time			
	^							_
	2020 Y	06 M	01 D	-	00 H	19 M		ок
$\overline{}$								
Select OK	to confirm	n					Ś B	ack

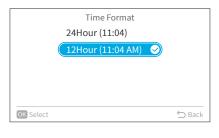
Step4. After making all settings,
If select "○K" and press "OK", the screen returns to Step2.
If press" □", the confirmation screen is displayed.
Select "Save" and press "OK" to confirm the setting and the screen returns to Step2.
Select "Not Save", it returns to Step2 without any setting changes.
If press "□" again, it returns to Step3.

### 6.1.2 Time Format

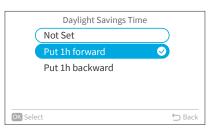
- 1. Set time format
  - Step1. Select "Adjusting Date/Time" on the "Screen Display Setting" screen and press "OK".



Adjusting Date/Time	(Mon) 16:30
Adjusting Date/Time	
Time Format (AM/PM or 24Hour)	
Daylight Savings Time	
OK Select	∽ Back



Adjusting Date/Time	(Mon) 16:30
Adjusting Date/Time	
Time Format (AM/PM or 24Hour	)
Daylight Savings Time	
OK Select	🕤 Back



Step3.	Press "^" or "~" to select 24 hour or 12 hour and press
	"OK".

Step2. Press "</ or "</ to select "Time Format" and press "OK".

Press " $\subseteq$ " 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".

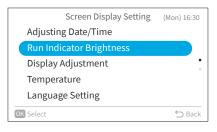
Step2. Press " $\land$ " or " $\checkmark$ " to select the setting and press "OK".

## 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 "∨" 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

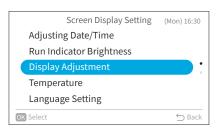
Function	Action
Backlight Brightness	Adjust the brightness of the backlight.
Backlight Dim Time	Change the time when the backlight turns dim after inactivity.
Backlight Off Time	Change the time when the backlight turns off after inactivity.
Screen Theme	Select the screen theme as light or dark.

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".



Display Adjustment				
Brightness	: 8			
Backlight Dim	: 15 Seconds			
Backlight OFF	: 10 min			
Screen Theme	: Light			
OK Select 🕤 Back				

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

# 6. Screen Display Setting

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





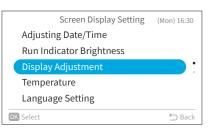
- 1. Set backlight dim time
  - Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".
  - Step2. Select "Backlight Dim" and press "OK".

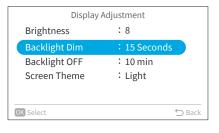
Step3. Press "∧" or "∨" to select the dim time intervals and press "OK". The item changes as follows: "5 seconds" ↔ "15 seconds" ↔ "30 seconds".

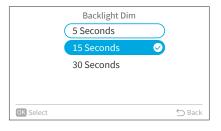
### 6.3.3 Backlight Off Time

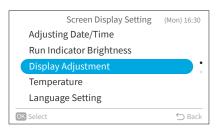
- 1. Set backlight off time
  - Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".
  - Step2. Select "Backlight OFF" and press "OK".
  - Step3. Press " $\uparrow$ " or " $\checkmark$ " to select the off time intervals and press "OK".

Press " $\subseteq$ " to return to Step2.









Display Adjustment				
Brightness	: 8			
Backlight Dim	: 15 Seconds			
Backlight OFF	: 10 min			
Screen Theme	: Light			
OK Select Select				
SR Select				

	Backlight OFF	
	10 min	$\bigcirc$
	30 min	
	1 hour	
	Always ON	
OK Select		🗂 Back

## 6.3.4 Screen Theme

- 1. Set screen theme
  - Step1. Select "Display Adjustment" on the "Screen Display Setting" screen and press "OK".

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

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

Press " $\bigcirc$ " to return to Step2.

Screen Display Setting	(Mon) 16:30
Adjusting Date/Time	
Run Indicator Brightness	
Display Adjustment	
Temperature	
Language Setting	
OK Select	🕤 Back

Display Adjustment				
Brightness	: 8			
Backlight Dim	: 15 Seconds			
Backlight OFF	:10 min			
Screen Theme	: Light			
OK Select	← Back			
Server Server	Dack			

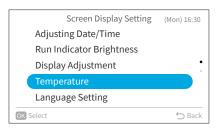
Scree	n Theme
26.° ● ○ ○ ○ ○	<b>26</b> .° ● ○ ○ ○ ○ ○
Light 🥑	Dark
OK Select	∽ Back

## 6.4 Temperature

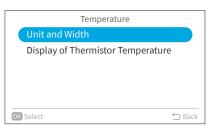
Function         Action	
Unit and Width	Change temperature unit and width.
Display of Thermistor Temperature	Show/hide the thermistor temperature display on the home screen.

### 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 "" v" v" to select "Unit and Width" and press "OK".

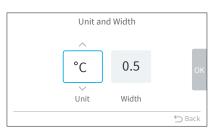


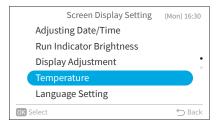
- Step3. Press "<" or ">" to select unit or width. Press " $^{"}$  or " $^{"}$  to change the setting.
  - When the unit is selected, it changes as below.  $^\circ F \leftrightarrow ^\circ C$
  - When the width is selected, it changes as below.  $0.5 \leftrightarrow 1$ 
    - (The width can be set only 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

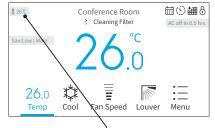
- 1. Set thermistor temperature display
  - Step1. Select "Temperature" on the "Screen Display Setting" screen and press "OK".
    - Step2. Press "^" or "\" to select "Display of Thermistor Temperature" and press "OK".
    - Step3. Press "∧" or "∨" to select the setting and press "OK". Press "⊃" to return to Step2.





Temperature	
Unit and Width	
Display of Thermistor Temperatur	e
OK Select	🕤 Back
occcc	_ back

	Display of Thermistor	<sup>-</sup> Temperature
	Display	$\bigcirc$
	Not Display	
i	OK Select	S Back



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

### 6.5 Language Setting

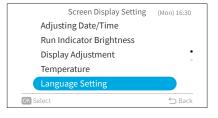
This function is to change the displayed language. Selectable language: Japanese, English(°C), English(°F), Simplified Chinese, Traditional Chinese, French, Portuguese, or Spanish.

- 1. Set display language
  - Step1. Select "Language Setting" on the "Screen Display Setting" screen and press "OK".
  - Step2. Press "∧" or "∨" to select the language and press "OK". Press "⊃" to return to "Screen Display Setting" screen.

### 6.6 Keypad Touch Sound

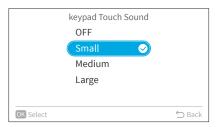
- This function is to change the touch sound on keypad.
- 1. Set keypad touch sound
  - Step1. Select "Keypad Touch Sound" on the "Screen Display Setting" screen and press "OK".
  - Step2. Press " $\$  or " $\$  to select the sound volume and press "OK".

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





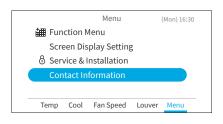




# 7. Contact Information

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".



Contact Information Alarm Code: 23 Address XXXXXXXXXXXXXX TEL XXXXXXXXXXXXXXXX D Back

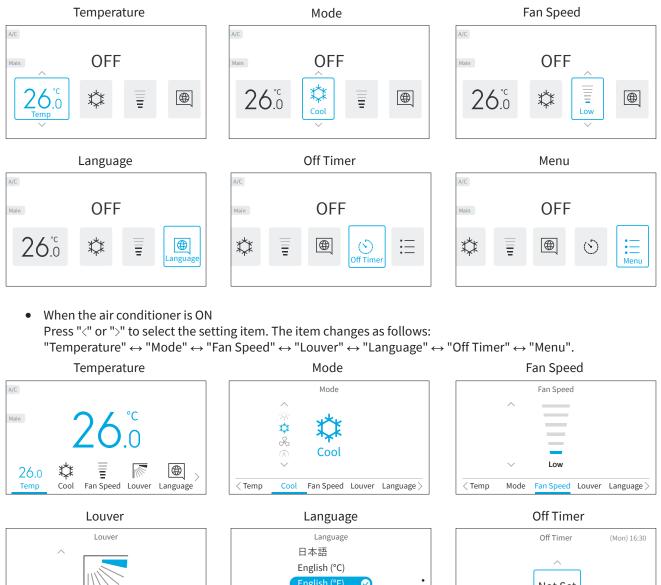
→Display service contact information and the latest alarm code.

# 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"  $\leftrightarrow$  "Mode"  $\leftrightarrow$  "Fan Speed"  $\leftrightarrow$  "Language"  $\leftrightarrow$  "Off Timer"  $\leftrightarrow$  "Menu".



Menu

Fan Speed Louver Language >

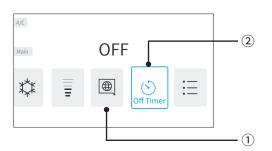






< Temp

Cool



Menu (Mon) 16:30	]
Screen Display Setting	3
Reset Controller Setting	(4)
More Settings Contact Information	5
Fan Speed Louver Language Off Timer Menu	

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 "<" to select the language and press "OK".</td>

	Language		
	日本語		
	English (°C)		
	English (°F)	$\bigcirc$	•
	简体中文		
	繁體中文		
< Temp	Cool Fan Speed	Louver	Language >

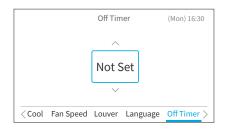
### 8.2 Off Timer

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 " $^{"}$ " 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 "\" or "\" to select "Reset Controller Setting" in the "Menu" screen and press "OK".



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

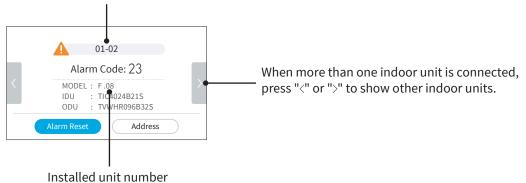
	-
Off Timer	Not Set
Language	English
Unit	°C

Reset Controller Setting?		
Default Settings:		
OFF Timer∶Not Set Language∶English Unit∶°C		
Reset Cancel		

# 9. In Alarm Condition

Indoor unit number

(Refrigerant system-address number)



- 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.

# **10. Premium Zoning Kit Function**

When this product is connected to zoning kit, zone control function will be enabled and the home screen will be displayed as following automatically. Some of the features described previously on this manual will be disabled also. Please refer to **"10.9 Features Not Available When Connected with Zoning Kit"** for details.



NOTES:

- Zone Control Icon <sup>1 2 3 4</sup>/<sub>5 6 7 8</sub>
   Number indicates the designation of activated zone (zone1~zone8).
   The color of the grid indicates the status of the zone, with color indicating "ON" and gray indicating "OFF".
- Zone base temperature is used as the base set temperature of zoning kit.
- The set temperature of each zone is limited to ±3°C of zone base temperature(within the range of upper and lower limit of the set temperature).

## **10.1 Zone Selection**

Step1. Enter zone control menu.



(Air conditioner ON)

• Press "<" or ">" to select "Zone Control".



(Air conditioner OFF)

• Press "<" or ">" to select "Zone Control" and press "OK".





Step2. Press "^, "\", "<", or ">" to select zone and press "OK".

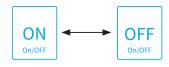


# **10.2 Zone Operation Setting**

This function is to set operation (ON/OFF) of individual zone. Step1. Press "<" or ">" to select "ON/OFF".



Step2. Press " $^{"}$  or " $^{"}$  to set zone operation.



### NOTES:

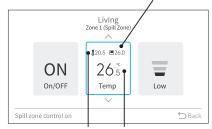
- When "Spill zone control on" displays in the bottom left corner, spill zone enters automatic control, and the actual state of the zone may not be consistent with the set state.
- During Setback operation, Zoning Kit does not accept zone settings. Even if the parameters are modified, they will be restored after one second.

## **10.3 Zone Set Temperature Setting**

This function is to adjust "set temperature" of individual zone.

- Step1. Press "<" or ">" to select "Temp".
- Step2. By pressing "^", the temperature is increased by 0.5°C or 1°C. By pressing "\", the temperature is decreased by 0.5°C or 1°C.

## Zone base temperature



Zone average room Zone set temperature temperature

NOTE:

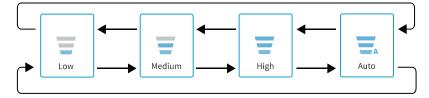
• The set temperature of the zone can be set to ±3°C of zone base temperature(within the range of upper and lower limit of the set temperature).

### 10.4 Zone Airflow Tap Setting

This function is to set airflow tap of individual zone. Step1. Press "<" or ">" to select "Zone Airflow Tap" icon.



Step2. Press " $\land$ " or " $\checkmark$ " to set airflow tap of zone.



## **10.5 Icon Display for Premium Zone Function**

The status for premium zoning kit function is displayed on the home screen.

NOTE:

• If there are multiple status, the high priority icon is displayed first.

No.	No. Icon Description	
1	$\bigotimes$	The keypad lock is set.
2	System Starting	The zoning kit is initializing.
3	Zone setup incomplete	The zone installation setup is incomplete.

#### 10.6 Zone Schedule

This function is to set the operating schedule of each zone ON/OFF times.

If premium zoning kit has been connected, the zone ON/OFF setting will display on the schedule setting screen of chapter **"5.2 Operation Schedule Setting"** (Page 17).

Step1. Press "<" or ">" to select "Zone" and press "OK".

		I	Monday Sch	(Mon) 16:3	
	ON Time		OFF Time	Set Temp.	Zone
1	08:00	~	10:00	26.0 °C	Ū
2	12:00	~	06:00	26.0 °C	Ū
3	06:00	~	10:00	26.0 °C	Ū
4	:	~	:	°C	Ū
5	:	~	:	°C	Ū
ОК	Enter to setup	zon	9		🗂 Back

Step2. Press " $^{"}$  or " $^{"}$  to set zone. Press " $^{"}$  or ">" to set the "ON/OFF" status of each zone.

		Mon 1				
	Zone			Status		
	ZI Bedroom 1		<	ON	>	
	Zone 2			OFF		•
	Z3   Living			OFF		
	Zone 4			OFF		
	Zone 5			OFF		
OK Select					Ś ₽	Back

# 10.7 Keypad Lock

This function is to lock all touch key on home screen.

- Activate keypad lock
- Press and hold "⊃" until the lock icon ⊗ is displayed.



Deactivate keypad lock
 Press and hold "⊃" until the lock icon disappears.



#### NOTE:

• Keypad lock function only can be activated and deactivated on home screen.

# 10.8 In "Zoning Kit" Alarm Condition

This function is to display the alarm code from zoning kit.



NOTE:

• Prioritize displaying the alarm from indoor unit.

# 10.9 Features Not Available When Connected with Zoning Kit

When connected with zoning kit, the following features described previously on this manual will be disabled.

No.	Function	
1	Language Setting	
2	Dual Setpoint	
3	Hotel Mode	
4	Fan Speed Setting	
5	Room Name Display	
6	Temperature Unit Setting (Fixed at °C)	
7	Autoboost Setting	
8	Priority Setting	

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