

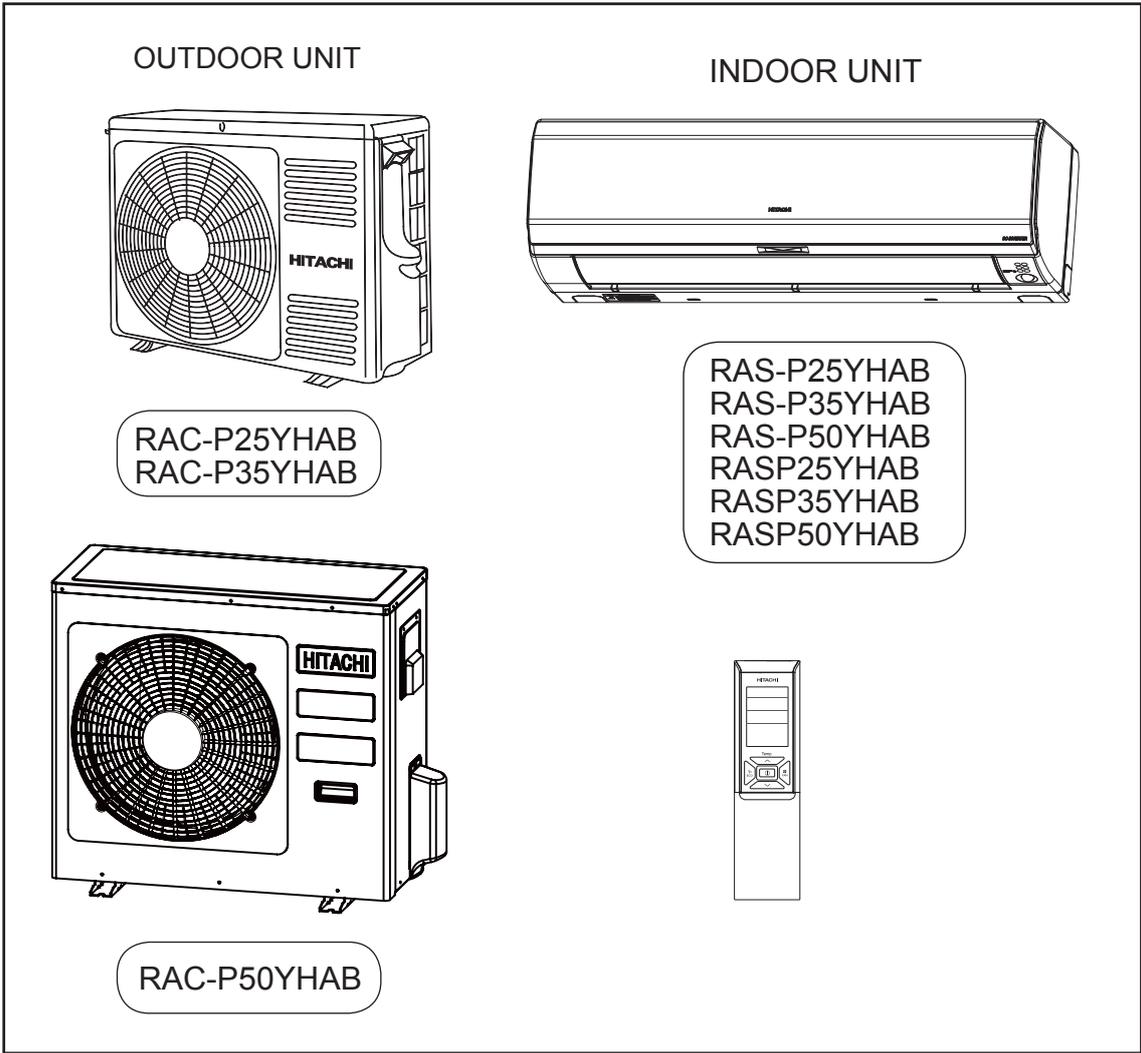
HITACHI

SPLIT TYPE AIR CONDITIONER

INDOOR UNIT/OUTDOOR UNIT



MODEL
RAS-P25YHAB/RAC-P25YHAB
RAS-P35YHAB/RAC-P35YHAB
RAS-P50YHAB/RAC-P50YHAB
RASP25YHAB/RAC-P25YHAB
RASP35YHAB/RAC-P35YHAB
RASP50YHAB/RAC-P50YHAB



SAFETY PRECAUTION



This appliance is filled with R32.

- Please read the “Safety Precaution” carefully before operating the unit to ensure correct usage of the unit.
- Pay special attention to signs of “**▲ Warning**” and “**▲ Caution**”. The “Warning” section contains matters which, if not observed strictly, may cause death or serious injury. The “Caution” section contains matters which may result in serious consequences if not observed properly. Please observe all instructions strictly to ensure safety.
- The signs indicate the following meanings. (The following are examples of signs.)

	Make sure to connect earth line.		This sign in the figure indicates prohibition.
	Indicates the instructions that must be followed.		

- The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.
- Children being supervised not to play with the appliance.
- Please keep this manual after reading.

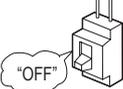
PRECAUTIONS DURING INSTALLATION

 WARNING	<ul style="list-style-type: none"> • Do not reconstruct the unit. Water leakage, fault, short circuit or fire may occur if you reconstruct the unit by yourself. 	 <small>PROHIBITION</small>
	<ul style="list-style-type: none"> • Please ask your sales agent or qualified technician for the installation of your unit. Water leakage, short circuit or fire may occur if you install the unit by yourself. 	
	<ul style="list-style-type: none"> • Please use earth line. Do not place the earth line near water or gas pipes, lightning-conductor, or the earth line of telephone. Improper installation of earth line may cause electric shock. 	 <small>CONNECT EARTH LINE</small>
	<ul style="list-style-type: none"> • Be sure to use the specified piping set for R32. Otherwise, this may result in broken copper pipes or faults. 	
	<ul style="list-style-type: none"> • If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent. 	
 CAUTION	<ul style="list-style-type: none"> • A circuit breaker should be installed depending on the mounting site of the unit. Without a circuit breaker, the danger of electric shock exists. 	
	<ul style="list-style-type: none"> • Do not install the unit near a location where there is flammable gas. The outdoor unit may catch fire if flammable gas leaks around it. Piping shall be suitable supported with a maximum spacing of 1m between the supports. 	 <small>PROHIBITION</small>
	<ul style="list-style-type: none"> • Please ensure smooth flow of water when installing the drain hose. If any failure is found in the drain path, water drops from the indoor and outdoor units, causing wet household effects. 	
	<ul style="list-style-type: none"> • Make sure that a single phase 220-240V power source is used. The use of other power sources may cause electrical components to overheat and lead to fire. 	 <small>PROHIBITION</small>

PRECAUTIONS DURING SHIFTING OR MAINTENANCE

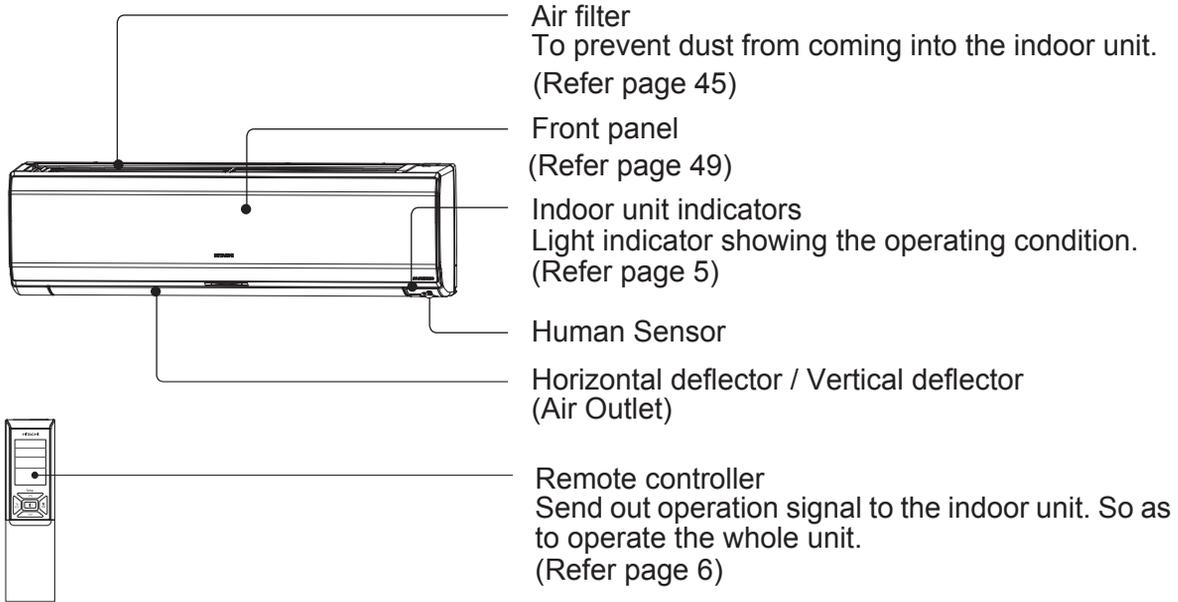
 WARNING	<ul style="list-style-type: none"> • Should abnormal situation arise (like burning smell), please stop operating the unit and remove plug from the socket or turn off the circuit breaker. Contact your agent. Fault, short circuit or fire may occur if you continue to operate the unit under abnormal situation. 	 <small>"OFF"</small>
	<ul style="list-style-type: none"> • Please contact your agent for maintenance. Improper self maintenance may cause electric shock and fire. 	
	<ul style="list-style-type: none"> • Please contact your agent if you need to remove and reinstall the unit. Electric shock or fire may occur if you remove and reinstall the unit yourself improperly. 	
	<ul style="list-style-type: none"> • Avoid an extended period of direct air flow for your health. 	 <small>PROHIBITION</small>
	<ul style="list-style-type: none"> • Do not connect the power cable with an extension cable or do not plug too many leads of the other electric appliance into the socket where this cable is plugged. In addition, wire the cable with some allowances to prevent the cable from stretching. Not doing so will cause an electrical shock, heat generation or fire. 	 <small>PROHIBITION</small>
	<ul style="list-style-type: none"> • Do not bundle the power cable, pull it, put something on it, heat it, process it, or put it between things. Breakage of the power cable may result. Use of a damaged cable may cause an electrical shock or a fire. 	 <small>PROHIBITION</small>
	 <small>PROHIBITION</small>	<ul style="list-style-type: none"> • Do not put objects like thin rods into the panel of blower and suction side because the high-speed fan inside may cause danger.

PRECAUTIONS DURING OPERATION

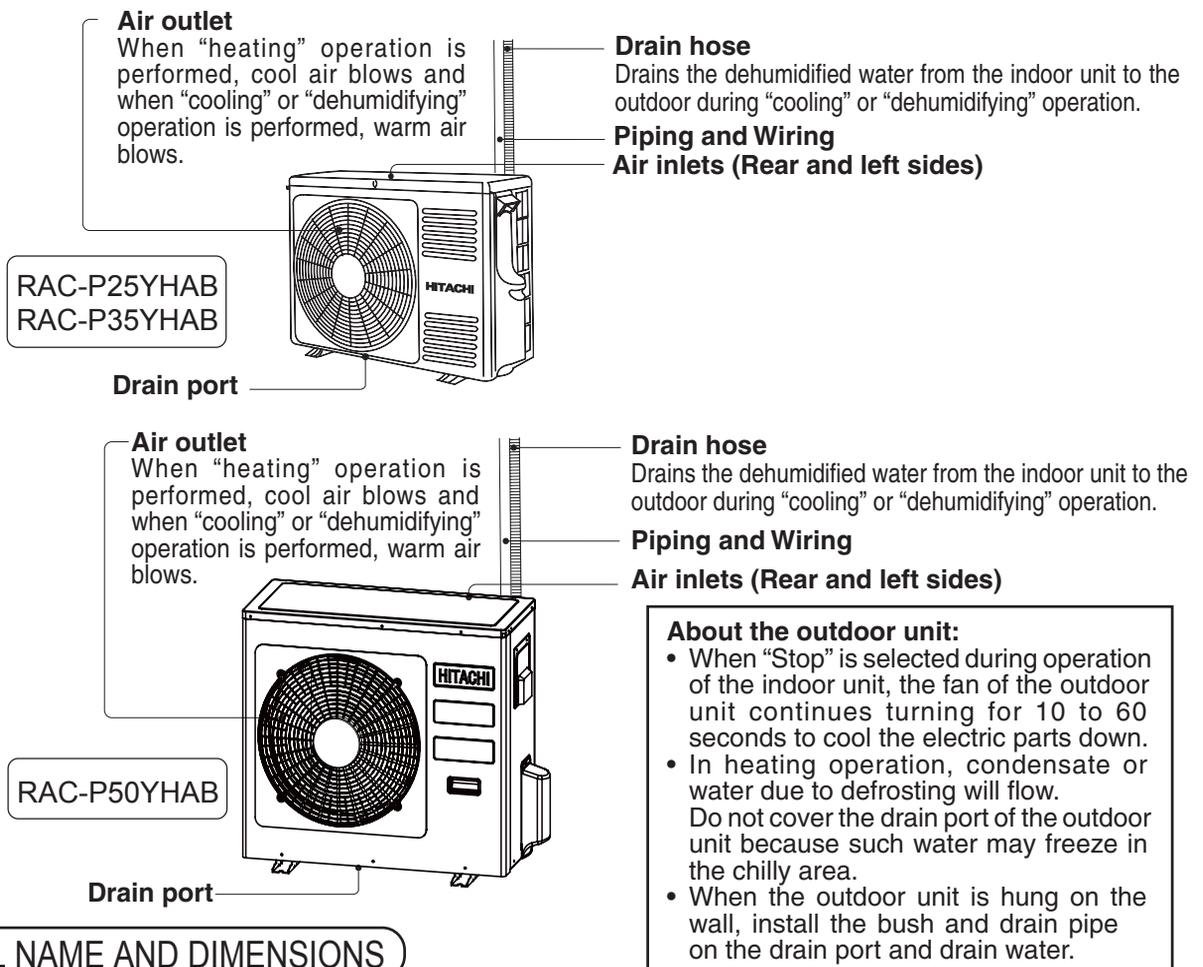
 WARNING	<ul style="list-style-type: none"> Do not use any conductor as fuse wire, this could cause fatal accident.  PROHIBITION
	 <ul style="list-style-type: none"> During thunder storm, disconnect the plug top or turn off the circuit breaker.
	<ul style="list-style-type: none"> Spray cans and other combustibles should not be located within a meter of the air outlets of both indoor and outdoor units. As a spray can's internal pressure can be increased by hot air, a rupture may result.  PROHIBITION
 CAUTION	<ul style="list-style-type: none"> The product shall be operated under the manufacturer specification and not for any other intended use.  PROHIBITION
	 DON'T WET <ul style="list-style-type: none"> Do not attempt to operate the unit with wet hands, this could cause fatal accident.
	<ul style="list-style-type: none"> When operating the unit with burning equipments, regularly ventilate the room to avoid oxygen insufficiency.  STRICTLY OBSERVE PRECAUTIONS 
	 PROHIBITION <ul style="list-style-type: none"> Do not direct the cool air coming out from the air-conditioner panel to face household heating apparatus as this may affect the working of apparatus such as the electric kettle, oven etc.
	<ul style="list-style-type: none"> Please ensure that outdoor mounting frame is always stable, firm and without defect. If not, the outdoor unit may collapse and cause danger.  PROHIBITION
	 PROHIBITION <ul style="list-style-type: none"> Do not wash the unit with water or place a water container such as a vase on the indoor unit. Electrical leakage could be present and cause electric shock.
	<ul style="list-style-type: none"> Do not place plants or animals directly under the air flow as it is bad for the plants or animals.  PROHIBITION
	 PROHIBITION <ul style="list-style-type: none"> Do not climb on the outdoor unit or put objects on it.
	<ul style="list-style-type: none"> When operating the unit with the door and windows opened, (the room humidity is always above 80%) and with the air deflector facing down or moving automatically for a long period of time, water will condense on the air deflector and drips down occasionally. This will wet your furniture. Therefore, do not operate under such condition for a long time.  PROHIBITION
	 PROHIBITION <ul style="list-style-type: none"> If the amount of heat in the room is above the cooling or heating capability of the unit (for example: more people entering the room, using heating equipments and etc.), the preset room temperature cannot be achieved.
	<ul style="list-style-type: none"> This appliance especially indoor unit cleaning must be performed by authorized personnel only. Consult your sales agent. Using a commercially available detergent or similar can damage the plastic parts or clog the drain pipe, causing water to drip with potential electric shock hazard.  PROHIBITION
	 DON'T TOUCH  <ul style="list-style-type: none"> Do not touch the air outlet, bottom surface and aluminum fin of the outdoor unit. You may get hurt.
	<ul style="list-style-type: none"> Do not touch the refrigerant pipe and connecting valve. Burns may result.  DON'T TOUCH 
	<ul style="list-style-type: none"> This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use this appliance safely. Young children should be supervised to ensure that they do not play with the appliance. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

NAMES AND FUNCTIONS OF EACH PART

INDOOR UNIT



OUTDOOR UNIT



MODEL NAME AND DIMENSIONS

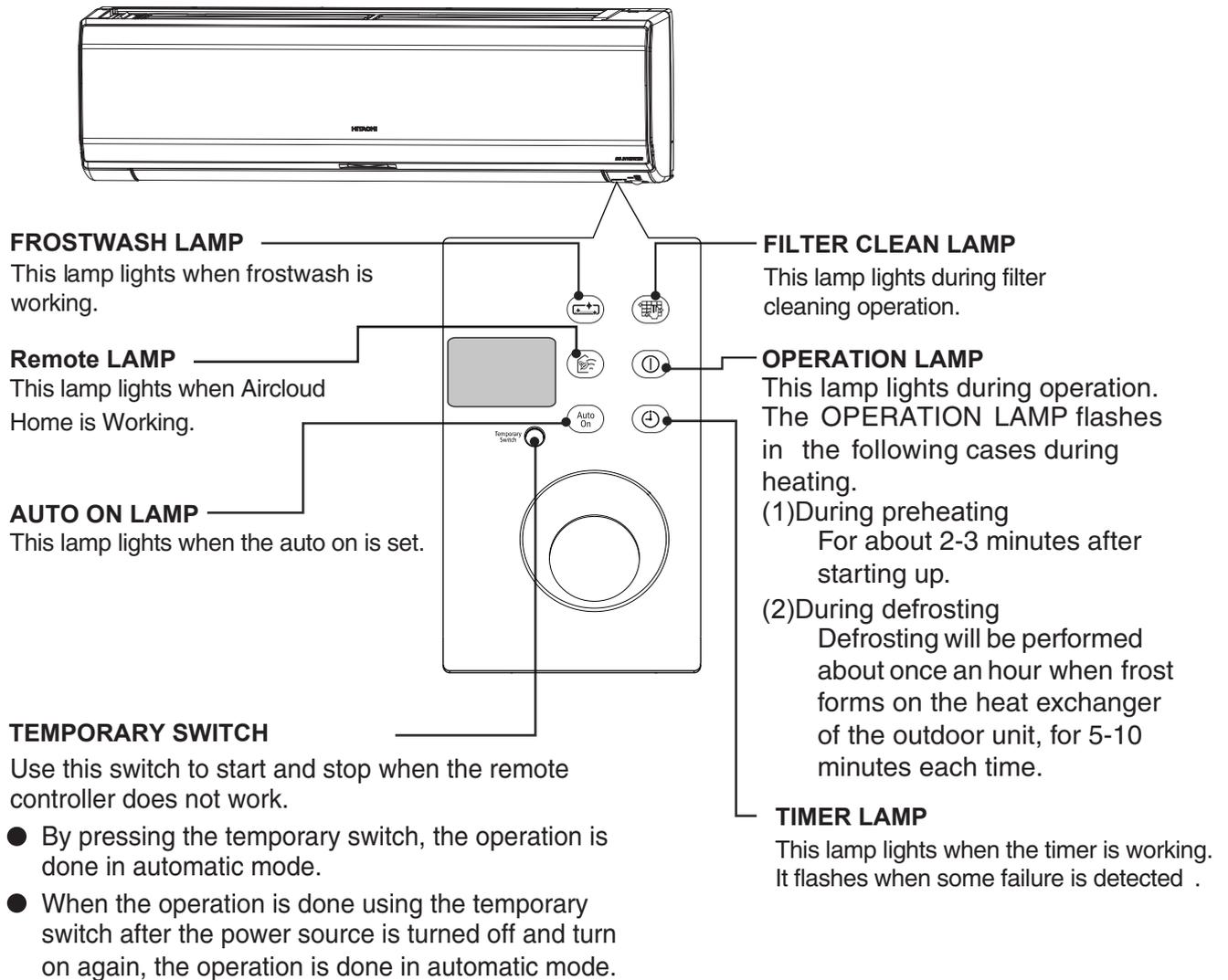
MODEL	WIDTH (mm)	HEIGHT (mm)	DEPTH (mm)
RAS-P25/35/50YHAB、RASP25/35/50YHAB	997	294	294
RAC-P25/ 35YHAB	792	600	299
RAC-P50YHAB	800	736	350

OPERATING RANGE

Operation mode	Cooling / Dehumidifying	Heating
Outdoor temperature	-10 to 46°C	-15 to 24°C

NAMES AND FUNCTIONS OF EACH PART

INDOOR UNIT INDICATIONS



⚠ CAUTION

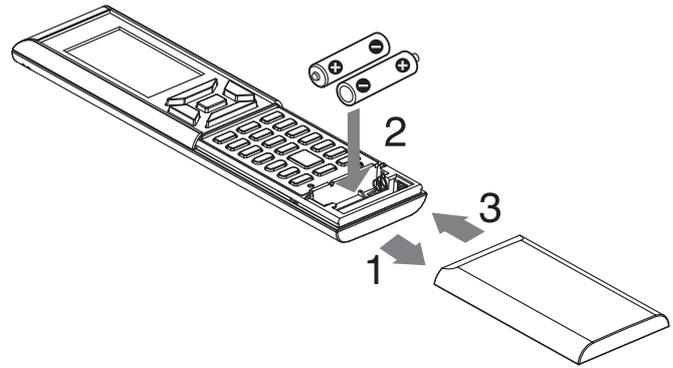
Turn off the circuit breaker or pull out the power plug if the unit is not be operated for a long period.

☆ If the power stays on and the unit is not operated, power is slightly consumed in the control circuit. The power is saved by turning off the power switch (or the circuit breaker when the power is supplied from the outdoor unit).

PREPARATION BEFORE OPERATION

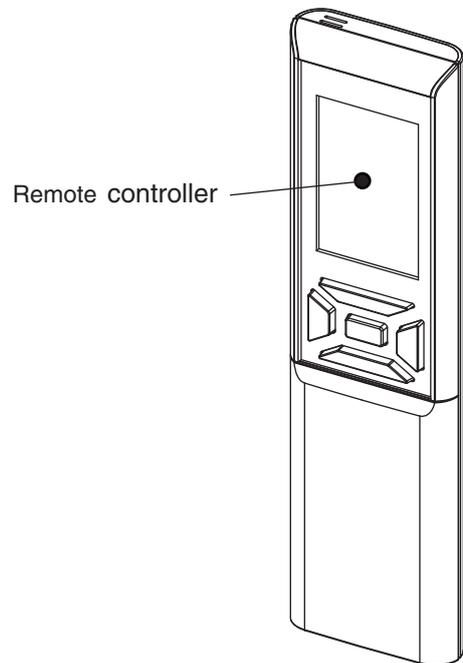
■ To install the batteries

1. Slide the cover to take it off.
2. Install two dry batteries AAA.LR03 (alkaline).
The direction of the batteries should match the marks in the case.
3. Replace the cover at its original position.



■ To fix the remote controller holder to the wall

1. Choose a place from where the signals can reach the unit.
2. Fix the remote controller holder to a wall, a pillar or similar location with the provided screws.
3. Place the remote controller in the remote controller holder.



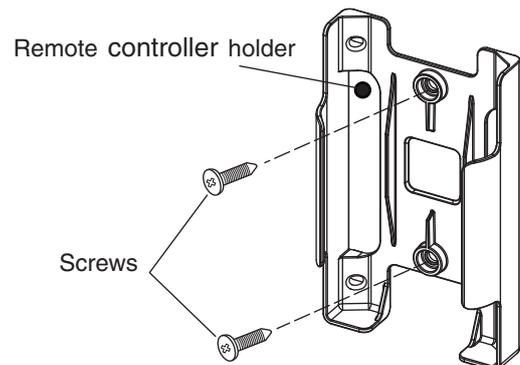
NOTE

Notes on batteries

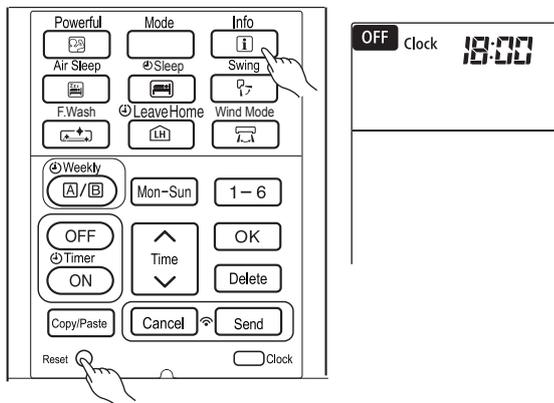
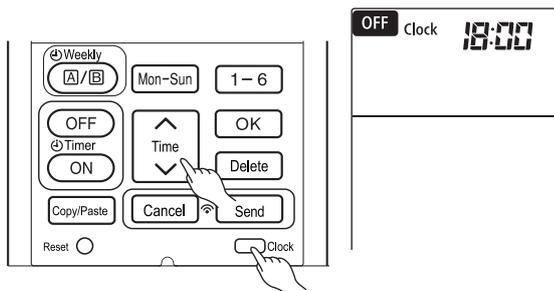
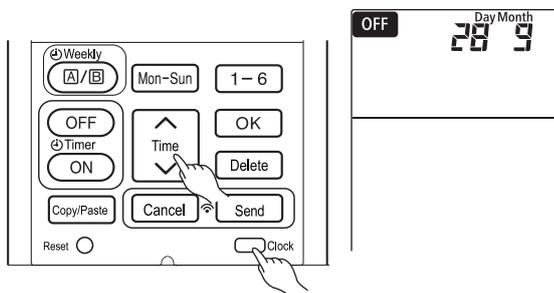
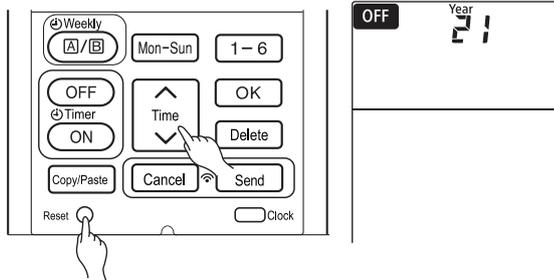
- When replacing the batteries, use batteries of the same type, and replace both old batteries together.
- When the system is not used for a long time, take the batteries out.
- The batteries will last for approximately 1 year. However, if the remote controller display begins to fade and degradation of reception performance occurs within a year, replace both batteries with new size AAA.LR03 (alkaline).
- The attached batteries are provided for the initial use of the system.
The usable period of the batteries may be short depending on the manufactured date of the air conditioner.

Notes on the remote controller

- Never expose the remote controller to direct sunlight.
- Dust on the signal transmitter or receiver will reduce the sensitivity. Wipe off dust with soft cloth.
- Signal communication may be disabled if an electronic-starter-type fluorescent lamp (such as inverter-type lamps) is in the room. Consult the shop if that is the case.
- If the remote controller signals happen to operate another appliance, move that appliance to somewhere else, or consult the service shop.
- When the remote controller is not in use, please close the slide cover to prevent failure.



PREPARATION BEFORE OPERATION



■ To set calendar and clock

1. Press **Reset** (Reset) button when first time setting. "Year" blinks.
2. Press **Time** (Time) button to set the current year.
3. Press **Clock** (Clock) button. "Day" and "Month" blink.
4. Press **Time** (Time) button to set the current day and month.
5. Press **Clock** (Clock) button. "Clock" blinks.
6. Press **Time** (Time) button to set the clock to the current time.
7. Press **Clock** (Clock) button. Calendar and clock are set.

To modify the calendar and clock, press **Clock** (Clock) button. Then follow steps 2 to 7.

Calendar and clock need to be set again after changing batteries.

After changing the batteries,

1. Press **Reset** (Reset) button.
2. Direct remote controller towards indoor unit and press **Info** (Info) button.
3. The calendar and clock from indoor unit will be transmitted.

- Calendar and clock will not be transmitted from indoor unit when the following occurs:
 - When there is a power failure.
 - When breaker is OFF by user (unit is not in STANDBY Mode).

NOTE

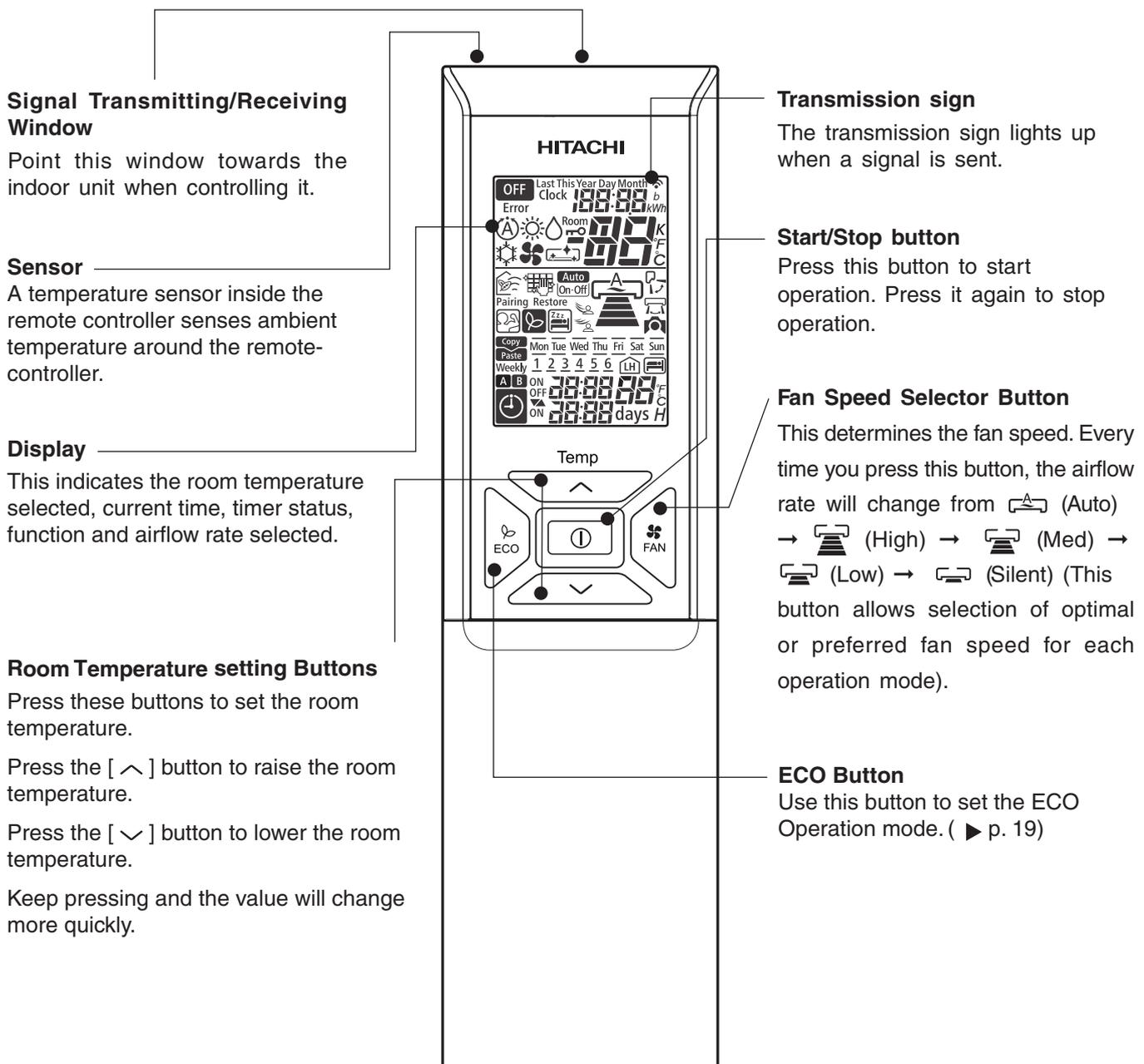
Note on setting the calendar and clock.

- If the calendar and clock are not set, the ON Timer, OFF Timer and Weekly Timer cannot be set.
- If the calendar and clock are not set correctly, the ON Timer, OFF Timer and Weekly Timer will not operate correctly.
- When the ON Timer, OFF Timer and Weekly Timer are set, the calendar and clock cannot be changed. If there is a need to change the calendar and clock, ON Timer, OFF Timer and Weekly Timer need to be cancelled.

NAMES AND FUNCTIONS OF REMOTE CONTROLLER

REMOTE CONTROLLER

- This controls the operation of the indoor unit. The range of control is about 7 meters. If indoor lighting is controlled electronically, the range of control may be shorter.
This controller can be fixed on a wall using the fixture provided. Before fixing it, make sure the indoor unit can be controlled from the remote controller.
- Handle the remote controller with care. Dropping it or getting it wet may compromise its signal transmission capability.
- After new batteries are inserted into the remote controller, the unit will initially require approximately 10 seconds to respond to commands and operate.
- When remote controller is not in use for about 3 minutes during OFF condition, indicated by **OFF** on the display, the LCD will turn off.
- During clock setting, the LCD will turn off about 10 minutes later if the remote controller is not in use.
- When pressing any button, the LCD will turn on.
- The LCD will not turn off during TIMER setting.



NAMES AND FUNCTIONS OF REMOTE CONTROLLER

Powerful Button
Use this button to set the Powerful mode. (▶ p. 20)

Air Sleep Button
Use this button to set the Air Sleep mode. (▶ p. 21)

F.Wash Button
(▶ p. 14)

Leave Home Button
(▶ p. 22)

ECO Sleep Timer Button
Use this button to set the ECO sleep timer. (▶ p. 24)

ON / OFF Timer setting Buttons
(▶ p. 23)

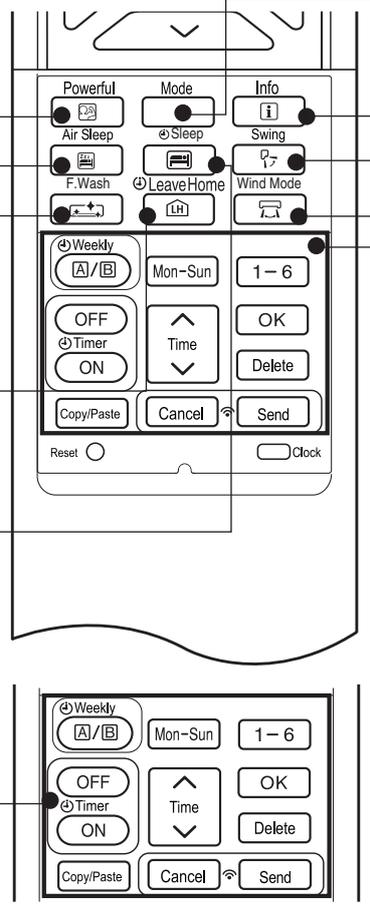
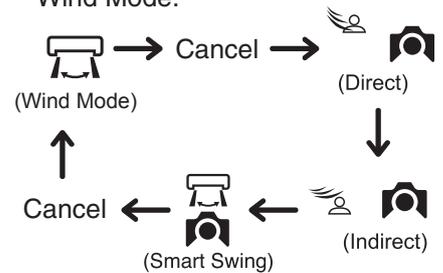
Weekly Timer setting Buttons
(▶ p. 26)

Mode selector Button
Use this button to select the operating mode. Every time you press this button, the mode will change from (AUTO) → (HEAT) → (DEHUMIDIFY) → (COOL) → (FAN) → (FILTER CLEAN) cyclically. (FILTER CLEAN) can be selected when the unit is OFF.

Information Button
(▶ p. 32)

Swing Button
Controls the angle of the horizontal air deflector. (▶ p. 18)

Wind Mode Button
Controls the angle of the vertical air deflector. (▶ p. 18)
Every time you press the button, the mode will change from Wind Mode.



	Mode Selector
	Auto
	Heat
	Dehumidify
	Cool
	Fan
	Filter Clean
Fan Speed	
	Auto
	Silent
	Low
	Med
	High
	Start / Stop
	ECO Sensor
	Fan
	Powerful

	Air Sleep
	Info
	Sleep Timer
	Swing
	Wind Mode
	Leave Home
	F.Wash
Mon-Sun	Day
1-6	Program No.
	Mode

	ON / OFF Timer
	Timer
OK	OK
Delete	Delete
Copy/Paste	Copy / Paste
Cancel	Cancel
Send	Send
	Clock

Precautions for Use

- Do not put the remote controller in the following places.
 - Under direct sunlight.
 - In the vicinity of a heater.
- Handle the remote controller carefully. Do not drop it on the floor, and protect it from water.
- Once the outdoor unit stops, it will not restart for about 3 minutes (unless you turn the power switch off and on or unplug the power cord and plug it in again). This is to protect the device and does not indicate a failure.
- If you press the MODE selector button during operation, the device may stop for about 3 minutes for protection.

VARIOUS FUNCTIONS

Auto Restart Control

- If there is a power failure, operation will be automatically restarted when the power is resumed with previous operation mode and airflow direction.
(As the operation is not stopped by remote controller.)

- If you intend not to continue the operation when the power is resumed, switch off the power supply. When you switch on the circuit breaker, the operation will be automatically restarted with previous operation mode and airflow direction.

Note: 1. If you do not require Auto Restart Control, please consult your sales agent.
2. Auto Restart Control is not available when Timer or Sleep Timer mode is set.

AUTOMATIC OPERATION

The device will automatically determine the mode of operation, Heat or Cool depending on the current room temperature. The selected mode of operation will change when the room temperature varies.

1 Press the Mode selector button so that the display indicates the (Auto) mode of operation.

- When Auto has been selected, the device will automatically determine the mode of operation, Heat or Cool depending on the current room temperature.
- If the mode automatically selected by the unit is not satisfactory, manually change the mode setting (Heat, Dehumidify, Cool or Fan).

2 Set the desired Fan Speed with the (Fan Speed) button (the display indicates the setting).

→ (Auto) → (High) → (Med) → (Low) → (Silent)

3 Set the desired room temperature with the Temperature buttons (the display indicates the setting).
The temperature setting and the actual room temperature may vary depending on conditions.

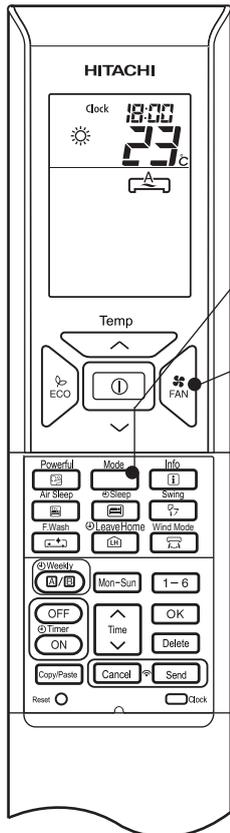
START STOP Press the (Start/Stop) button.
Operation starts with a beep.
Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the (Start/Stop) button next time.

NOTE:
After the unit starts the automatic operation (including the operation by temporary switch), the cooling and heating lamps light up for a few seconds at the same time to determine the mode of operation, and then the one of heating or cooling lamp lights off. It's not a machine failure.

HEATING OPERATION

- Use the device for heating when the outdoor temperature is under 24°C. When it is too warm (over 24°C), the heating function may not work in order to protect the device.
- In order to maintain reliability of the device, please use this device when outdoor temperature is above -15°C.



1

Press the Mode selector button so that the display indicates ☀ (Heat).

2

Set the desired Fan Speed with the  (Fan Speed) button (the display indicates the setting).



3

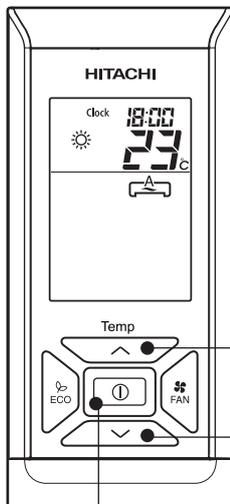
Set the desired room temperature with the Temperature buttons (the display indicates the setting).

The temperature setting and the actual room temperature may vary depending on conditions.

START STOP

Press the  (Start/Stop) button. Heating operation starts with a beep. Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the  (Start/Stop) button next time.
- During Auto fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at HI speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy heating.

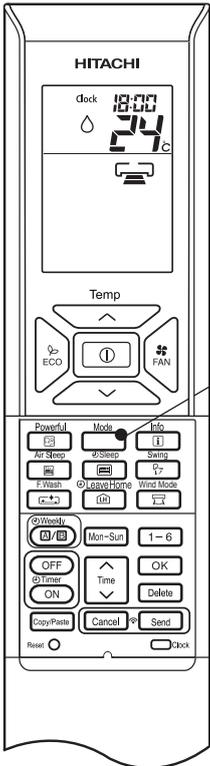


Defrosting

Defrosting will be performed about once an hour when frost forms on the heat exchange of the outdoor unit, for 5 minutes to 10 minutes each time. During defrosting operation, the operation lamp blinks in a cycle of 2 seconds on and 1 second dim. The maximum time for defrosting is 20 minutes.

DEHUMIDIFYING OPERATION

Use the device for dehumidifying when the room temperature is over 16°C.
When it is under 15°C, the dehumidifying function will not work.



1

Press the Mode selector button so that the display indicates ◯ (Dehumidify).
The fan speed is set at Low.
Press  (Fan Speed) button to select Silent or Low fan speed.

2

Set the desired room temperature with the Room Temperature setting buttons (the display indicates the setting).

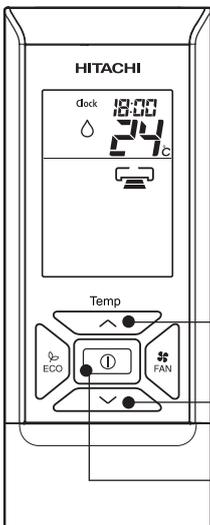


The range of 20°C to 26°C is recommended as the room temperature for dehumidifying.

**START
STOP**

Press the  (Start/Stop) button. Dehumidifying operation starts with a beep. Press the button again to stop operation.

- As the settings are stored in the memory of the remote controller, you only have to press the  (Start/Stop) button next time.



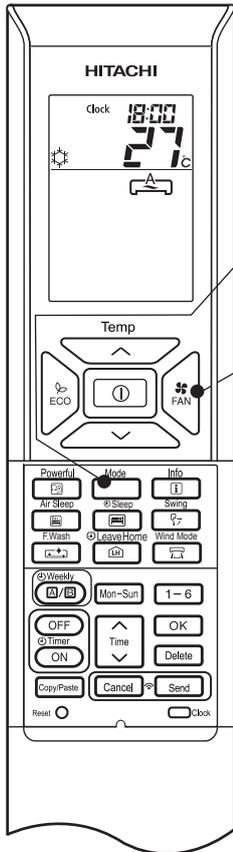
■ Dehumidifying Function

- When the room temperature is higher than the temperature setting: The device will dehumidify the room, reducing the room temperature to the preset level.
When the room temperature is lower than the temperature setting: Dehumidifying will be performed at the temperature setting slightly lower than the current room temperature, regardless of the temperature setting.
- The preset room temperature may not be reached depending on the number of people present in the room or other room conditions.

COOLING OPERATION

Use the device for cooling when the outdoor temperature is -10°C to 46°C.

If indoors humidity is very high (80%), some dew may form on the air outlet grille of the indoor unit.



1

Press the Mode selector button so that the display indicates  (Cool).

2

Set the desired Fan Speed with the  (Fan Speed) button (the display indicates the setting).



3

Set the desired room temperature with the Temperature buttons (the display indicates the setting).

The temperature setting and the actual room temperature may vary depending on conditions.

**START
STOP**

Press the  (Start/Stop) button. Cooling operation starts with a beep. Press the button again to stop operation. The cooling function does not start if the temperature setting is higher than the current room temperature (even though the  (Cool) lamp lights).

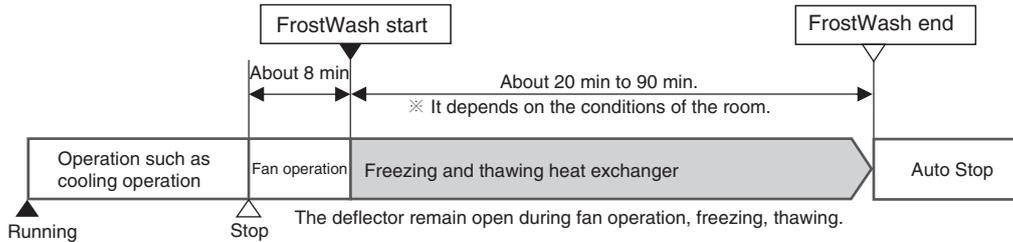
The cooling function will start as soon as user set the temperature below the current room temperature.

- As the settings are stored in the memory of the remote controller, you only have to press the  (Start/Stop) button next time.
- During Auto fan, the fan speed automatically changes as below:
 - When the difference between room temperature and setting temperature is large, fan starts to run at HI speed.
 - After room temperature reaches the preset temperature, fan speed will be changed to lower speed to obtain optimum room temperature condition for natural healthy cooling.

FROSTWASH OPERATION

- The dust and dirt adhering to indoor heat exchanger which is the cause of the smell. They are washed away by freezing and thawing of the heat exchanger.
- FrostWash function can work when the outdoor temperature is 1°C to 43°C and Indoor humidity is 30% to 70%.
- There are two kinds of FrostWash operation, auto mode and manual mode.

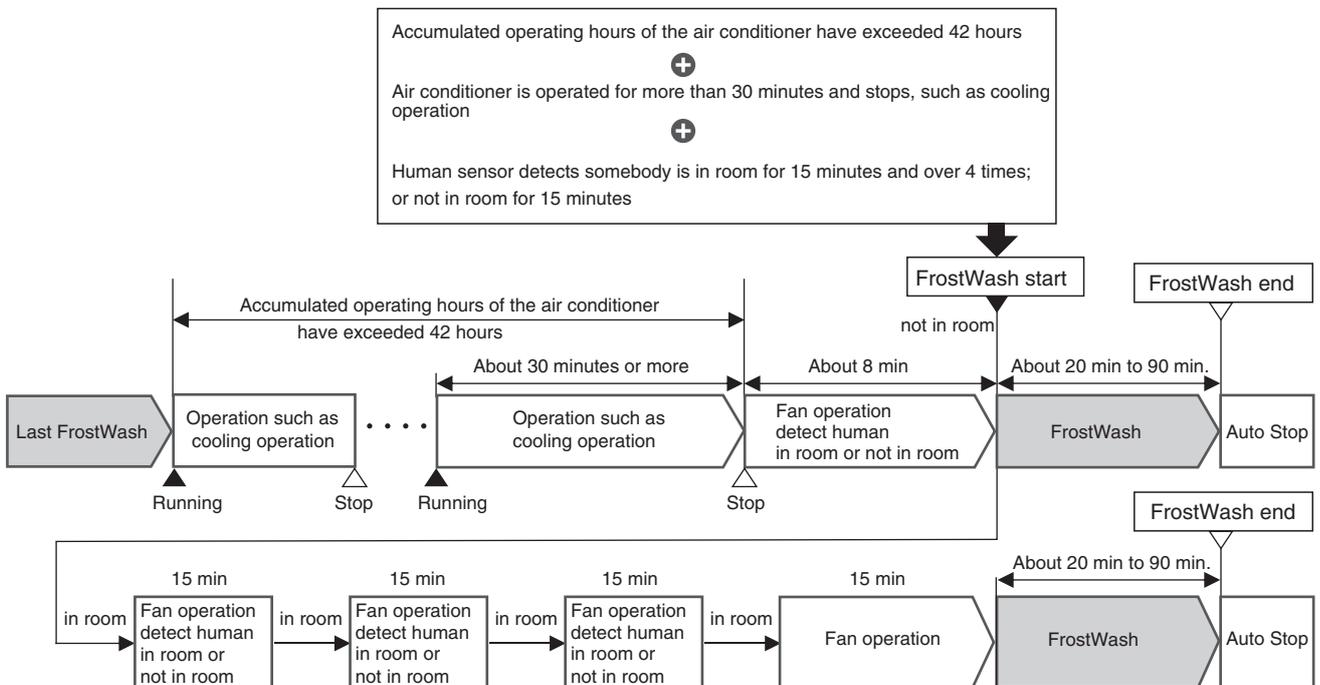
The process of FrostWash



- "  " lamp on the indoor unit lights up during FrostWash operation.
- If you want to stop FrostWash operation, press the (Start/Stop) button twice.
- When pressing the button such as cooling during FrostWash operation, FrostWash operation is discontinued and start the cooling operation after about 3 minutes.
- When FrostWash is stopped during FrostWash operation, the unit automatically restart FrostWash operation at the next operation stop.
- In order to protect the product, FrostWash function cannot be carried out again for about 60 minutes after Frost Wash operation is completed.

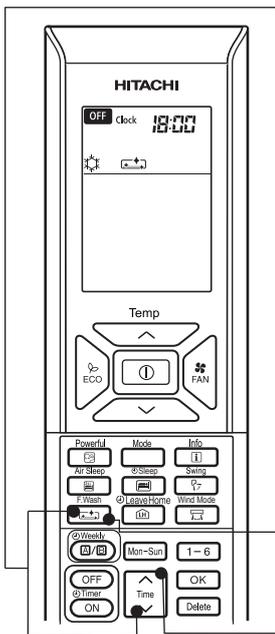
■ FrostWash (Auto mode)

FrostWash auto start conditions



- When the outdoor temperature or indoor humidity are not suitable for FrostWash operation, only fan operation is carried out, FrostWash operation will be done again at the next operation stop.
- Sometimes the heat exchanger may not freeze depending on the conditions of the room.
- When the ON timer reaches the set time during FrostWash operation, it will stop the FrostWash operation and start the operation of setting mode.
- If the interval of the Off to On timer is less than 2 hours, FrostWash operation may not be completed. In that case, it will restart FrostWash operation at the next operation stop.
To be to normal FrostWash (Auto mode) interval (42 hours), please stop operation of air conditioner and operate FrostWash (Auto mode) or FrostWash (Manual mode).

FROSTWASH OPERATION



■ To cancel FrostWash (Auto mode)

- This setting should be made only when the air conditioner is stopped.

1

At the time of the effective setting, while pressing and holding  (Time) button, press  (FrostWash) button on the same, FrostWash (Auto mode) is canceled. "" disappears from the LCD.

- If FrostWash function is not in use for a long period, it may not be possible to completely wash away the dust and dirt adhering to indoor heat exchanger. It will cause odor, so please conduct frequently FrostWash function by using the remote controller.
- Recommended time of FrostWash operation will be informed by "" lamp flash for 15 seconds upon air conditioner operation stop.

■ To start FrostWash (Auto mode)

- This setting should be made only when the air conditioner is stopped.

2

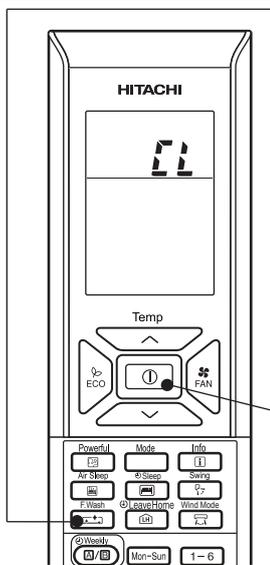
At the time of the disabled setting, while pressing and holding  (Time) button, press  (FrostWash) button on the same, FrostWash (Auto mode) is set. "" is displayed on the LCD.

■ The screen of the remote control

- At FrostWash (Auto) reserved, "" is displayed on the LCD.
- At FrostWash (Auto) not reserved, "" disappears from the LCD.

■ FrostWash (Manual mode)

When the unit is off, press  (FrostWash) button, manual FrostWash will start.



■ How to start and cancel FrostWash (Manual mode).

1

- Press  (FrostWash) button, "" is displayed on the LCD. Frost Wash operation will start. "" lamp on the indoor unit lights up.
- After one hour, "" disappears from the LCD. After about two hours, the indoor unit will stop FrostWash operation.
- In order to protect the product, FrostWash function cannot be carried out again for about 60 minutes after the FrostWash operation is completed.

2

- Press the  (Start/Stop) button, the operation will stop. "" lamp on the indoor unit turns off.

Precautions for Use

- Do not open windows or doors during frostwash operation. Water will condense on the air deflector and drips down occasionally. This will wet your furniture.
- Do not open or remove the front panel during FrostWash operation. It may cause injury or malfunction.
- FrostWash operation does not wash away all dust and dirt.
- Hissing, fizzy or squeaking noise may generate during FrostWash operation.
- If the air conditioner is continuously running, FrostWash function is not effective.
- During FrostWash operation, if power is turned off and then power is restored, FrostWash function will not restart.
- After turning on the power, please wait a moment if you want to start FrostWash.

FILTER CLEANING OPERATION (AUTOMATIC OPERATION)

- Automatic filter cleaning mode is set at the time of purchase.
- Automatically cleans the micro mesh stainless filter when the basic air-conditioning operation (Auto, Heating, Fan, Dehumidifying or Coling) has ended.
 - The cleaning unit makes cycle to back and forth movement to sweep the dust on the micro mesh stainless filter and the dust catcher puts the collected dust into the dust box.
 - One cycle of filter cleaning operation will take approximately 7 to 8 minutes.

Conditions of the automatic filter cleaning.

- When the air conditioner operates for more than 15 minutes and stops, automatic filter cleaning is performed in one of the following conditions.
 - (1) Accumulated operating hours of the air conditioner have exceeded 20 hours.
 - (2) Air conditioner is not operated for more than one week.
(To clean the dust which is naturally deposited on the top filter.)

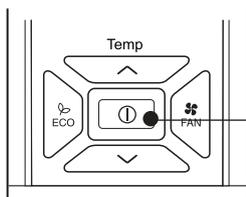
CAUTION:The accumulated operating hours will not be reset if the automatic filter cleaning operation is stopped before its completion.

- Automatic filter cleaning is not performed if the air conditioner operation is stopped by sleep timer or off timer function.

If you use sleep timer or off timer every time, it is recommended to operate manual filter cleaning once every 2 or 3 days.

However, if manual filter cleaning is not performed, automatic filter cleaning will be performed approximately once a week after the air conditioner operation is stopped by sleep timer or off timer to protect the device.

■ To stop AUTOMATIC FILTER CLEANING operation

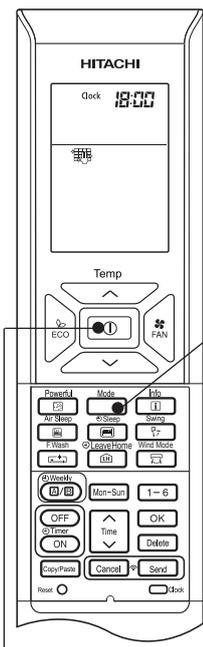


STOP

Press the **I** (Start/Stop) button.

FILTER CLEANING OPERATION (MANUAL OPERATION)

- Use the remote controller to run filter cleaning operation when the air conditioner operation is stopped.
- If the air conditioner is not in use for a long period, it is recommended to manually run filter cleaning before using the air conditioner.



1

Press the **Mode** (Mode) select button so that the display indicates  (Filter Cleaning) when the unit is OFF.

**START
STOP**

Press the **I** (Start/Stop) button.

Filter Cleaning operation starts with a beep.

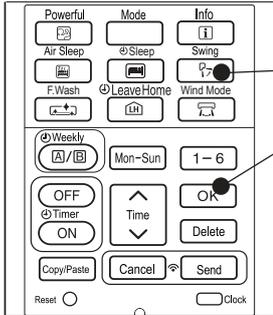
- The cleaning unit makes one cycle of back and forth movement to sweep the dust on the micro mesh stainless filter and the dust catcher puts the collected dust in to the dust box.
- One cycle of filter cleaning operation will take approximately 8 minutes.

Press the button again to stop the filter cleaning operation.

FILTER CLEANING OPERATION (MANUAL OPERATION)

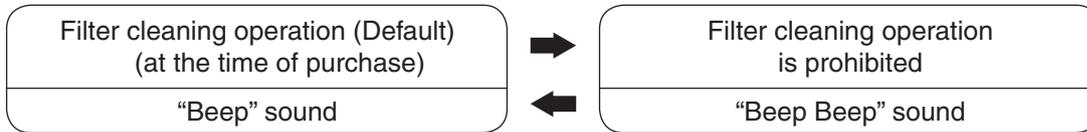
HOW TO PROHIBIT THE FILTER CLEANING OPERATION

- With the remote controller, you can deactivate the filter cleaning operation.
- This setting should be made only when the air conditioner is stopped.



Press the  (Swing Vertical) and  (OK) buttons simultaneously for 5 seconds. A double short beep sounds is emitted and the filter cleaning is deactivated.

To reactivate the filter cleaning, press the  (Swing Vertical) and  (OK) buttons simultaneously for 5 seconds, a single short beep sound is emitted and the setting returns the filter cleaning operation.



NOTE

About the noise during filter cleaning

- A whirring motor noise is generated due to driving of the cleaning unit.
- A sweeping sound is generated when the cleaning unit sweeps the dust.

Maintenance

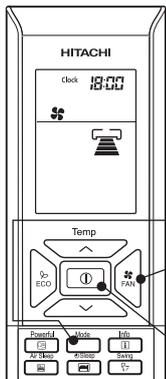
- No daily maintenance is required. However, dust amount varies depending on the environment in which the air conditioner is used. Check the dust amount in the Dust Box approximately once every half years and throw the dust, if any.
- Greasy dirt can also be cleaned by the combined function of filter cleaning and the micro mesh stainless filter. If the dirt looks heavy, remove the micro mesh stainless filter, the dust catcher and the filter cleaning wiper to wash them with water.

CAUTION

Do not put your fingers or a stick etc into the top part of the indoor unit during filter cleaning operation. It may result in injury or malfunction.

FAN OPERATION

User can use the device simply as an air circulator.



1

Press the Mode selector so that the display indicates (Fan).

2

Set the desired Fan Speed with the (Fan Speed) button (the display indicates the setting).

→ (High) → (Med) → (Low) → (Silent)

**START
STOP**

Press the (Start/Stop) button. Fan operation starts with a beep. Press the button again to stop operation.



AUTO SWING OPERATION

VERTICAL SWING

■ To start Vertical Auto Swing

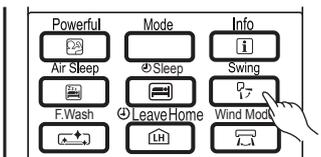
- Press (Swing (Vertical)) button. The deflector will start to swing up and down.

is displayed on the LCD.

■ To cancel Vertical Auto Swing

- Press (Swing (Vertical)) button again. The deflector will stop in the current position.

disappeared from the LCD.



HORIZONTAL SWING

■ To start Horizontal Auto Swing

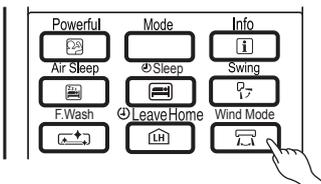
- Press (Swing (Horizontal)) button. The deflectors will start to swing right and left.

is displayed on the LCD.

■ To cancel Horizontal Auto Swing

- Press (Swing (Horizontal)) button again. The deflectors will stop in the current position.

disappeared from the LCD.



NOTE

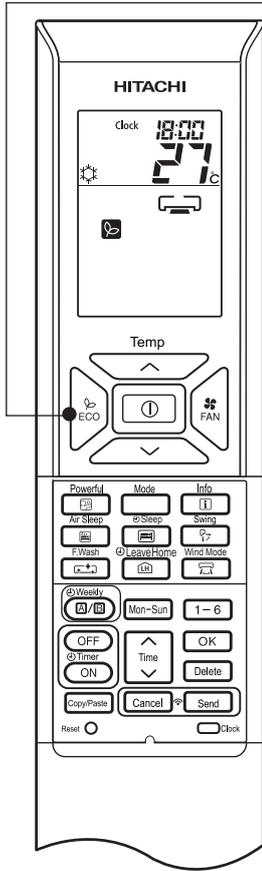
- During cooling and dehumidifying operation, do not keep the deflectors swinging or in the lower position (in the case of vertical auto swing) for a long time. It may cause dew condensation on the deflectors.



ECO OPERATION

■ ECO OPERATION with scene Camera

The camera detects the amount of human activity and automatically adjusts the set temperature and set humidity.



1

- By pressing the  (ECO) button during Auto, Heating, Dehumidifying or Cooling operation, the air conditioner performs the "ECO" operation.

■ To start ECO operation

- Press  (ECO) button during operation.
 - “” is displayed on the LCD.

A beep sound is emitted from indoor unit.
The sensor starts to detect the presence of people in the room.

■ To cancel ECO operation

- Press  (Start/Stop) button. Or
- Press  (ECO) button again.
 - “” disappears from the LCD.

A beep sound is emitted from indoor unit.

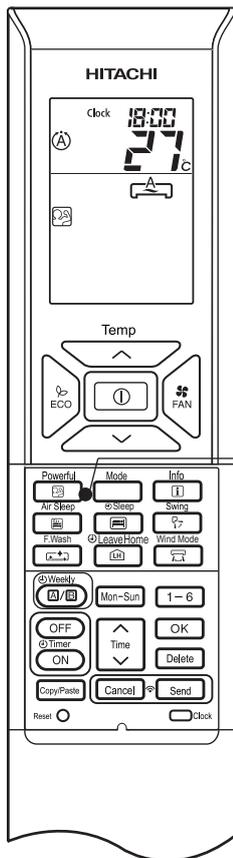
NOTE

- By pressing (Powerful) button, ECO operation is cancelled.
- After auto restart, ECO operation is cancelled and previous operation mode shall start.
- If people is lying down or only an infant, please disable the ECO function setting.



POWERFUL OPERATION

- By pressing  (Powerful) button during Auto, Heating, Dehumidifying, Cooling or Fan operation, the air conditioner performs at the maximum power.
- During Powerful operation, cooler or warmer air will be blown out from indoor unit for Cooling or Heating operation respectively.



To start POWERFUL operation

- Press  (Powerful) button during operation.

“” is displayed on the LCD.

Powerful operation ends in 20 minutes. Then the system automatically operates with the previous settings used before Powerful operation.

To cancel POWERFUL operation

- Press the  (Start/Stop) button. Or
- Press  (Powerful) button again.

Powerful operation stops.

“” disappears from the LCD.

NOTE

- When Sleep mode, ECO mode, Leave Home mode is selected, Powerful operation is cancelled.
- During Powerful operation, capacity of the air conditioner will not increase
 - if the air conditioner is already running at maximum capacity.
 - just before defrost operation (when the air conditioner is running in Heating operation).
- After auto restart, Powerful operation is cancelled and previous operation shall start.



AIR SLEEP OPERATION

With motion sensor, the air conditioner detects movement, its location and temperature around people to control set temperature and control fan speed to provide comfortable and energy saving operation as well as to achieve comfortable sleep environment.

■ To start Air Sleep operation

Press (Air Sleep) button during operation.

- “”, “”, “” and number of hour are displayed on the remote controller display.
- During Air Sleep operation, fan speed will be Low.
- A beep sound emitted from indoor unit after Air sleep signal is sent.

■ Adjusting Room Temperature

- Select the desired temperature with Room Temperature setting button (the display indicates the setting).
- The range of 25°C - 28°C is recommended as the room temperature for comfortable sleep.

■ To cancel Air Sleep operation

Press (Start/Stop) button.

- Room air conditioner will switch off.

Press button.

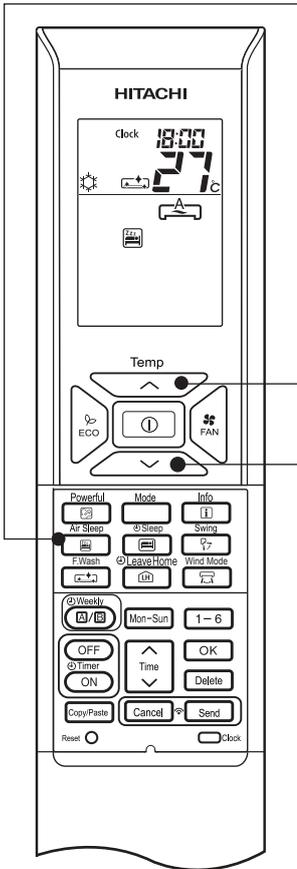
- Pressing (Air Sleep) button again until “” disappears from the remote controller display.

Press button.

- Pressing (Powerful) button until “” disappears and “” appears on remote controller display.

Press button.

- Pressing (Mode) button again until “” disappears from the remote controller display. Mode will appear as per user's selection.



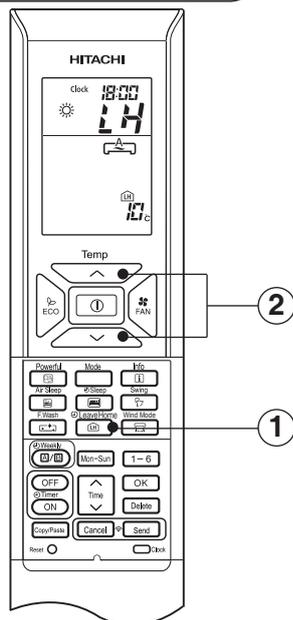
- With the motion sensor, the air conditioner can monitor the activity level or sleep is confirmed. The temperature will be increased automatically 1°C and the unit will continue running for 1 hour. Fan speed will be changed to Silent.
- If the condition of activity in the room stable, the unit will continue running with the temperature increased another 1°C
- Later if there is an increase of temperature detected the fan speed will change to LOW automatically.
- If there is only small activity confirmed, the temperature will decrease 1°C
- Analyze position of human & surrounding for air blow operation direction.
- If big human activity is detected, the temperature Fan Speed will be resumed back to previous setting

LH LEAVE HOME(LH) OPERATION

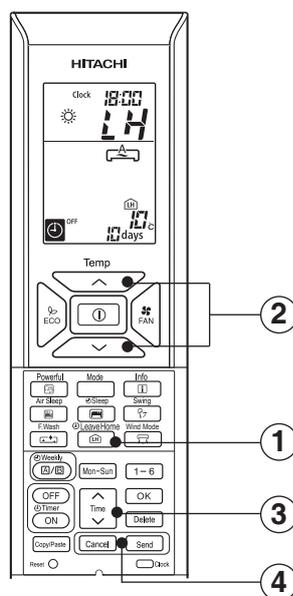
Prevent the room temperature from falling too much when no one is at home. The initial setting temperature is 10°C and the temperature range can be set between 10°C and 16°C.

This operation is able to operate by "Continuous operation" or "Day timer operation". Please use "Day timer operation" to set the number of days up to 99 days.

Continuous operation



Day timer operation



To start LEAVE HOME operation

Option 1. Continuous operation.

- ① Press (Leave Home) button during stop or operation. Room temperature is set at 10°C and heating operation starts.
- ② Set the desired room temperature with the Temperature buttons. Temperature range can be set between 10°C and 16°C.
“☀”, “LH”, “”, “LH”, “Set Temperature” is displayed on the LCD.

Option 2. Day timer operation.

- ① Press (Leave Home) button during stop or operation. Room temperature is set at 10°C and heating operation starts.
Set the desired room temperature with the Temperature buttons. Temperature range can be set between 10°C and 16°C.
“☀”, “LH”, “”, “LH”, “Set Temperature” is displayed on the LCD.
- ③ Set number of operation days (1 to 99 days), if needed.
Press (Time) button to select number of days.
Number of days blink.
* Press “ (Up)” or “ (Down)” to set number of days from 1 day to 99 days.
* Number of day is counted when clock indicates 0:00.
- ④ Press (Send) button to confirm number of operation days. Display for number of operation days will stop blinking.
Press (Cancel) button to reset number of operation days or to have continuous operation.

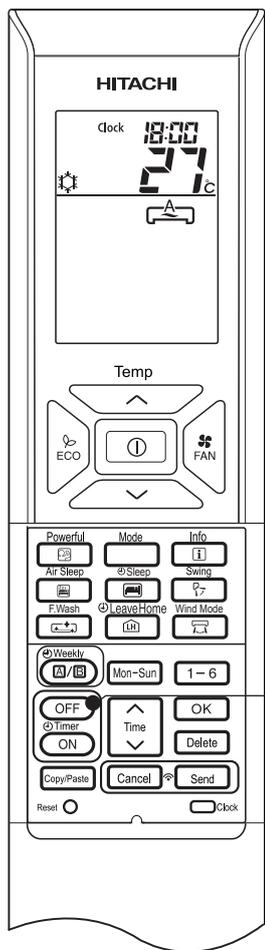
To cancel LEAVE HOME operation

- Press (Start/Stop) button. Or
- Press (Leave Home) button again. Return to previous operation mode. Or
- Change to other operation mode by pressing (Mode) button.

NOTE

- After reaching the set number of operation days for Leave Home or by pressing the (Leave Home) button again, the unit will operate in previous mode.
- During Leave Home operation, fan speed and horizontal air deflector position cannot be changed.
- By pressing (Leave Home) button, implementation of Weekly Timer or Once Timer is cancelled.
- In case of power supply shut down, after autorestart, all setting for number of days operation will be reset and unit shall be in continuous operation.
- Powerful, ECO Sleep Timer and ECO operations are not applicable during Leave Home operation.

ONCE TIMER (ON/OFF TIMER) OPERATION



OFF TIMER

The device can be set to turn off at a preset time.

1. Press (OFF-Timer) button. and **0:00** blink on the display.
2. Set the "turn-off time" with (Time) button.
3. After setting, direct the remote controller towards the indoor unit and press (Send) button.

and "set time" lights up instead of blinking.

A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit lights up.

ON TIMER

The device will turn on at a designated time.

1. Press (ON-Timer) button. and **6:00** blink on the display.
2. Set the "turn-on time" with (Time) button.
3. After setting, direct the remote controller towards the indoor unit and press (Send) button.

and "set time" light up instead of blinking.

A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit lights up.

ON/OFF TIMER

- The device will turn on (off) and off (on) at the designated time.
- The switching occurs first at the preset time that comes earlier.
- The arrow mark appears on the display to indicate the sequence of switching operations.

1. Press (OFF-Timer) button so that and **0:00** blink on the display.
2. Set the "turn-off" time with (Time) button. After setting, direct the remote controller towards the indoor and press (Send) button.
3. Press (ON-Timer) button so that and set "turn-off" time light up. The and **6:00** blink.
4. Set the "turn-on" time with (Time) button.
5. After setting, direct the remote controller towards the indoor unit and press (Send) button

and set "turn-on" time light up instead of blinking.

A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit lights up.

- The timer may be used in three ways: OFF-timer, ON-timer and ON/OFF (OFF/ON)-timer. Set the current time first because it serves as a reference.

■ To cancel Reservation

- Point the signal window of the remote controller towards the indoor unit and press (Cancel) button. and "ON or OFF set time" goes out with a beep and the (Timer) lamp on the indoor unit turns off.

NOTE

- User can set only one of the OFF-timer, ON-timer or ON/OFF-timer.
- If Weekly Timer already set, by setting the Once Timer, Once Timer operation is prioritized. When Once Timer operation is complete, Weekly Timer operation will be activated.

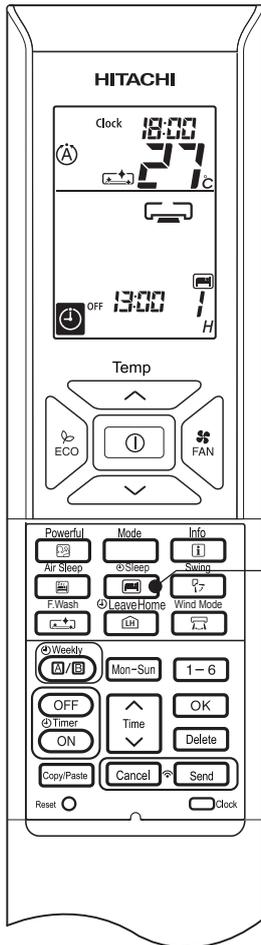


ECO SLEEP TIMER OPERATION

The timer can be set up to a duration of 7 hours.

By pressing  (Sleep) button during Auto, Heating, Dehumidifying, Cooling or Fan operation, the unit shifts the room temperature and reduces the fan speed. It results in energy saving.

Set the current time first before operating the Eco Sleep Timer operation.

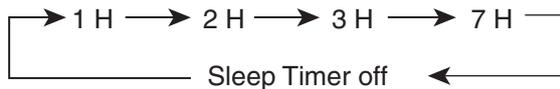


■ To start ECO SLEEP TIMER operation

Press  (Sleep) button during operation.

- “”, “”, “”, “OFF”, off time, “” and number of hour are displayed on the remote controller display.
- During Eco Sleep Timer operation, fan speed will be ultra slow.
- A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit lights up.

Pressing  (Sleep) button repeatedly, the number of hours will change as below:



- During Eco Sleep Timer operation, air conditioner will continue to operate for the designated number of hours and then turn off.
- When the Eco Sleep Timer has been set, the display on the remote controller indicates the turn off time.



Example: If Eco Sleep Timer is set for 1 hour at 18:00, the switch off time will be at 19:00.

■ To cancel ECO SLEEP TIMER operation

Press  (Start/Stop) button.

- Room air conditioner will switch off.

Press  (Sleep) button again until “”, “”, “”, off time, “” and number of hour disappear from the remote controller display.

Press  (Cancel) button.

- A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit turns off.
- Sleep Timer operation is cancelled.



ECO SLEEP TIMER OPERATION

■ To set ECO SLEEP TIMER and ON TIMER

The air conditioner will be turned off by Eco Sleep Timer and turned on by ON Timer.

1. Set the ON Timer.
2. Press  (Sleep) button and set Eco Sleep Timer.



Example:

In this case, air conditioner will turn off in 2 hours (at 1:38) and it will be turned on at 6:00 the next morning.

■ To cancel ECO SLEEP TIMER and ON TIMER operation

Direct the remote controller towards the indoor unit and press  (Cancel) button.

- “”, “”, “”, “OFF”, off time, “”, number of hour, “ON” and ON Timer set time disappear from the remote controller display.
- A beep sound emitted from indoor unit and the (Timer) lamp on the indoor unit turns off.
- Eco Sleep Timer and ON Timer reservations are cancelled.

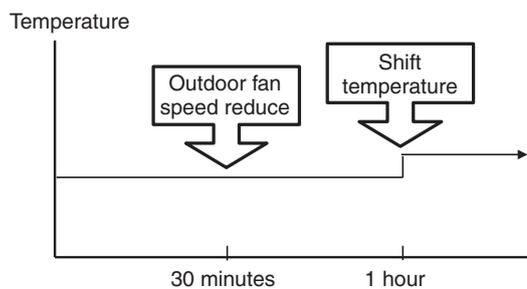
30 minutes after setting Eco Sleep Timer, outdoor fan speed will be reduced to lower the noise level and to have comfort operation.

1 hour after setting Eco Sleep Timer, set temperature will be slightly shifted. Amount of temperature shifted depends on type of air conditioner.

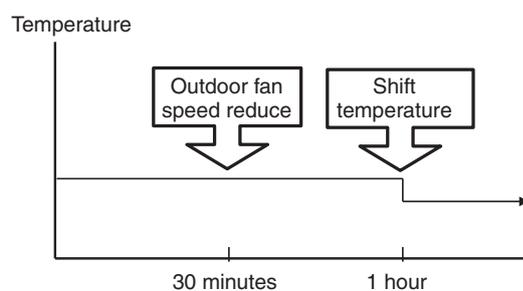
These automatic operation changes contribute to energy saving without losing comfort.

The level of energy consumption depends on outside temperature, room temperature, set temperature or air conditioner type.

Cooling operation [diagram representation for illustrative purpose only]



Heating operation [diagram representation for illustrative purpose only]



NOTE

- If Eco Sleep Timer is set when OFF Timer or ON/OFF Timer has been set earlier, the Eco Sleep Timer becomes effective instead of the OFF Timer or ON/OFF Timer.

WEEKLY TIMER OPERATION

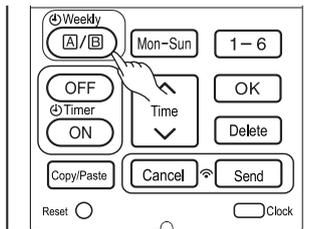
- It is possible to select Mode A or Mode B. For each mode, up to 6 programs can be set per day. In total, a maximum of 42 programs can be set for a week for each mode.
- If calendar and clock are not set, the reservation setting for Weekly Timer cannot be set.
- If calendar and clock are not set correctly, Weekly Timer will not operate correctly.
- Reservation for calendar and clock shall be set first before operating Weekly Timer.

Step 1: Set the reservation schedule to the remote controller. Send the registered reservation to indoor unit and then operate.

Step 2: Select Mode A or Mode B and activate or deactivate Weekly Timer .

Step 3: Copy and cancel the reservation schedule.

Step 1 : Set reservation schedule to the remote controller. Send the registered reservation to indoor unit and then operate.



1

2

How to set a Weekly TIMER.

1. Select Mode A or Mode B

Press (Weekly) button. Weekly lights up. **A** and blink on the display. (Mode A is selected).

Press (Weekly) button again, **B** and blink on the display. (Mode B is selected).

- If no reservation has been made, ON/OFF, --:-- , appear.
- If reservation has been made, ON/OFF, --:-- , will not appear.

2. Set a program

Press (Weekly) button for about 3 seconds. The selection mode can be changed.

, day: Mon, program no. : 1, ON/OFF, setting time and setting temperature blink on the display.

3. Select the desired day of the week

Press (Day) button.

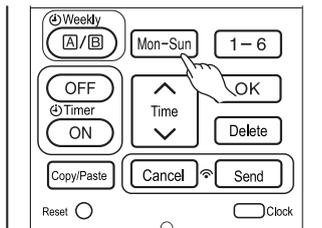
The day changes from Mon → Tue → Wed → Thu → Fri → Sat → Sun → Mon, Tue, Wed, Thu, Fri, Sat, Sun [Full days] → Mon, Tue, Wed, Thu, Fri [weekday] → Sat, Sun [weekend] → Mon → Tue

Select [Full days] for daily reservation.

Select [weekday] for Monday to Friday reservation.

Select [weekend] for Saturday and Sunday reservation.

- After reservation has been set, it is easy to check and edit at the same time.

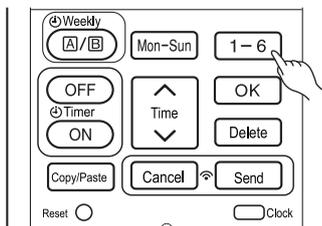


3

4. Press button to select a program number.

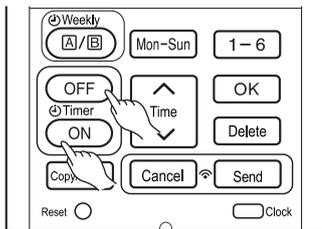
The number changes from 1 → 2 → 3 → 4 → 5 → 6 → 1 → 2

- If program number has been set, follow above in order to make changes.



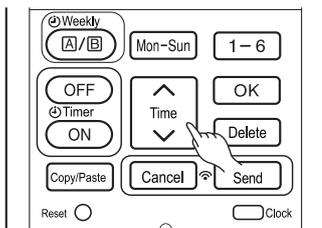
4

WEEKLY TIMER OPERATION



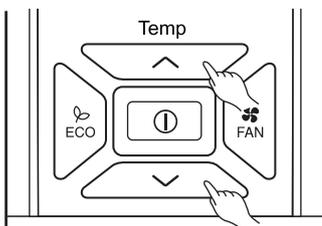
5

5. Press (ON-OFF Timer) button to select ON Timer or OFF Timer reservation.



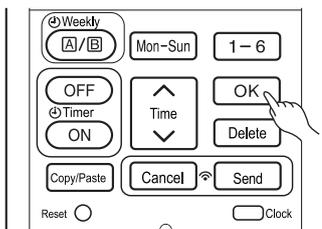
6

6. Press (Time) button to set time reservation.



7

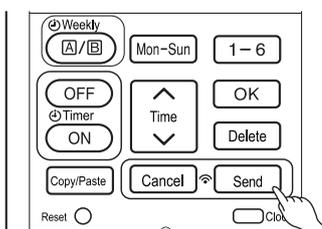
7. Press (Temp ^ or v) button to set temperature reservation.



8

8. Press (OK) button. The reservations are set. Day, program number, ON reservation, setting temperature will light up. will be continuously blinks. If reservation is not complete, settings will not be stored in memory.

To continue with the reservation, press buttons. Follow step 3 to 8 for reservation.



9

9. After all the reservations have been set, press (Send) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly. After beep sound emitted from indoor unit, Timer lamp will light up.

Please ensure that the Timer lamp lights up.

This indicates that the reservation has been stored in the indoor unit and Timer function has been completed.

The reservation contents will appear on the remote controller display.

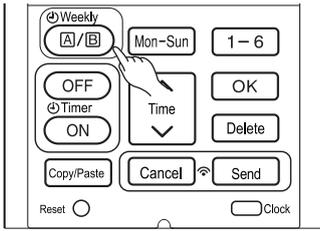
- If Timer lamp on the indoor unit does not light up, press (Send) button while directing the remote controller towards the indoor unit for about 3 seconds.
- **CAUTION !** Do not press (Cancel) button during reservation setting because this will result in all reservation contents to be lost.
- The reservation contents will not stored in the indoor unit until (Send) button has been pressed.

NOTE

- Up to 6 programs can be set per day. Setting ON Timer or OFF Timer for each program number can be at random. When pressing (Send) button, the set ON Timer or OFF Timer for each program number will automatically arranged so that program number 1 shall have the earliest time and program number 6 shall have the latest time. If the setting time is the same, Priority will be given to the latest reservation contents.
- **CAUTION !** If the remote controller is left idle and (Send) button is not pressed within 3 minutes after reservations have been made , all current reservations will be lost.

WEEKLY TIMER OPERATION

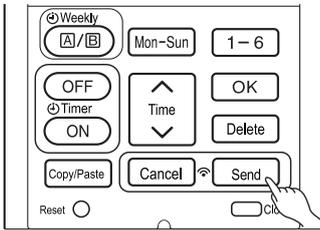
Step 2: Select Mode A or Mode B and activate or deactivate Weekly Timer.



1

■ How to select Mode A or Mode B of Weekly Timer setting.

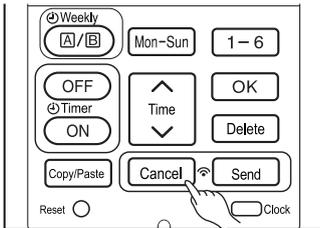
1. Press **⏏/⏏** (Weekly) button. **A** and **⏏** blink on the display. (Normally Mode A will blink first).
2. Press **⏏/⏏** (Weekly) button again. **B** and **⏏** blink on the display.
3. Select Mode A or Mode B. Press **Send** (Send) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.



3

After beep sound emitted from indoor unit, Timer lamp will light up. Please ensure that the Timer lamp lights up.

This indicates that Mode A or Mode B selection and active Weekly Timer have been confirmed.



1

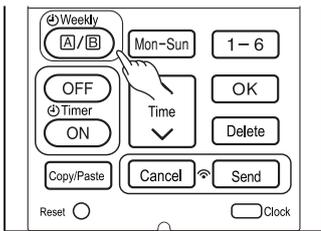
■ Setting non-active Weekly Timer .

1. Direct the remote controller towards the indoor unit and press **Cancel** (Cancel) button. Beep sound will be emitted from indoor unit and Timer lamp will be OFF. Reservation indication on remote display will also disappear. This indicates that non-active Weekly Timer has been confirmed.
- To activate back the setting of Weekly Timer , repeat the steps for "How to select Mode A or Mode B of Weekly Timer setting".

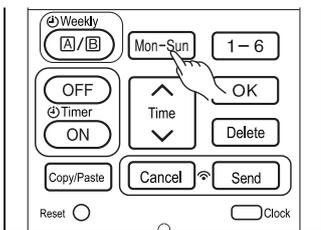
NOTE

- When setting Once Timer, operation of Weekly Timer is interrupted. After Once Timer operation is complete, Weekly Timer operation will be activated.
- When Once Timer is cancelled, operation of Weekly Timer is also cancelled. Need to set Weekly Timer operation for activation.
- After auto restart, Weekly Timer operation is cancelled. Need to set Weekly Timer operation for activation.

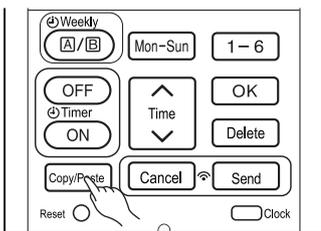
Step 3: Copy and cancel the reservation schedule.



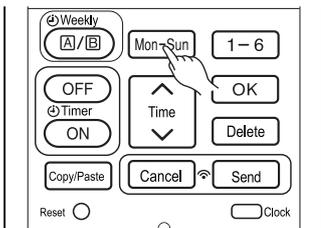
1
2



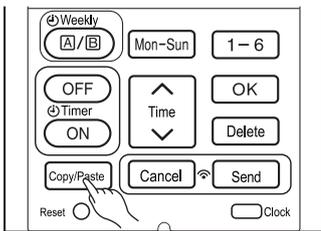
3



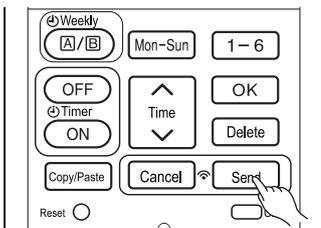
4



5



6



8

How to copy and paste.

Editing the reservation schedule is easy by copying data from one day to another day.

1. Press (Weekly) button to select Mode A or Mode B.
2. Press (Weekly) button for about 3 seconds to start editing the reservation schedule.
3. Press (Day) button to select a day of the week to copy.
4. Press (Copy/Paste) button. Then "Paste" blinks on the display.
* Press (Cancel) button to cancel the Copy mode. Normal setting mode is activated.
5. Press (Day) button to select a day of the week to paste.
6. Press (Copy/Paste) button one more time to paste. only blinks on the display.
7. To continue copying to other days, press or or or .
Then start from step 3.
8. After copy and paste completed, press (Send) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly. After beep sound emitted from indoor unit, Timer lamp will light up.
Please ensure that the Timer lamp lights up.
If Timer lamp does not light up, Press (Send) button again.

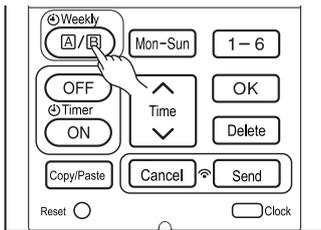
- Reservation data will not change if (Send) button is not pressed.

NOTE

- If there is no reservation data, copying data from one day to another day cannot be done.

WEEKLY TIMER OPERATION

Step 3: Copy and cancel the reservation schedule.



1

How to delete Weekly Timer data.

[Delete one program number reservation]

2

1. Press (Weekly) button to select Mode A or Mode B.

2. Press (Weekly) button for 3 seconds to start editing the reservation schedule.

3. Press (Day) button to select a day of the week to edit.

3

4. Press to select program number. Selected program number will blink.

5. Press (Delete) button. Reservation of selected program number is deleted.

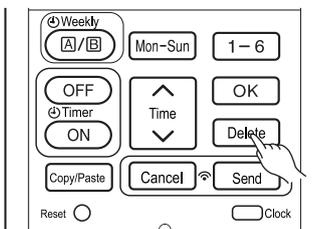
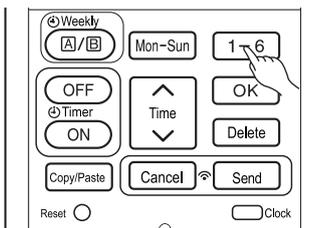
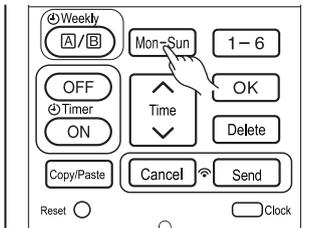
4

6. After deleting, press (Send) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

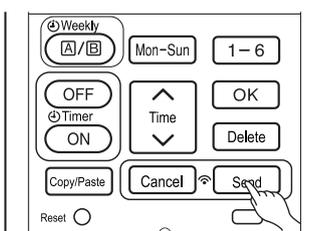
After beep sound emitted from indoor unit, Timer lamp will light up.

Please ensure that the Timer lamp lights up.

- Reservation will not change if (Send) button is not pressed.

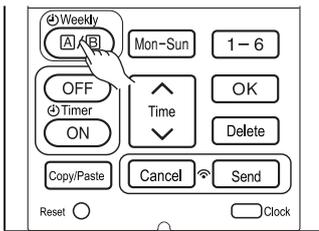


5



6

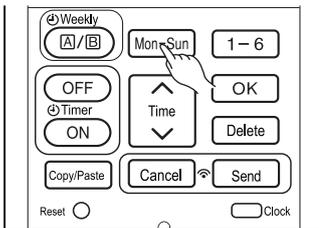
Step 3: Copy and cancel the reservation schedule.



1

[Delete one day reservation]

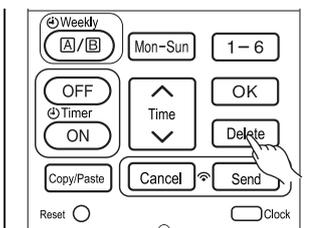
1. Press (Weekly) button to select Mode A or Mode B.



2

2. Press (Weekly) button for 3 seconds to start editing the reservation schedule.

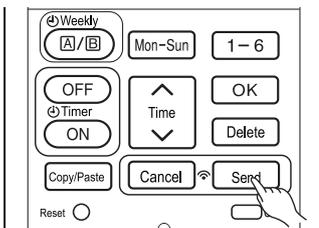
3. Press (Day) button to select a day of the week to edit.



3

4. Press (Delete) button for about 10 seconds. Reservations for all program numbers will be deleted.

- If press for a short time, reservation for one program number will be deleted.



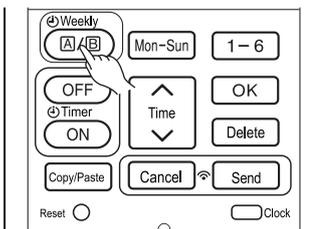
4

5. After deleting, press (Send) button while directing the remote controller towards the indoor unit for about 3 seconds. Timer lamp on the indoor unit will blink rapidly.

After beep sound emitted from indoor unit, TIMER lamp will light up.

Please ensure that the TIMER lamp lights up.

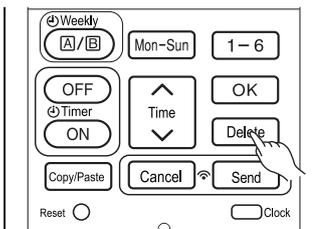
- Reservation will not change if (Send) button is not pressed.



5

[Delete Mode A or Mode B]

1. Press (Weekly) button to select Mode A or Mode B.



1

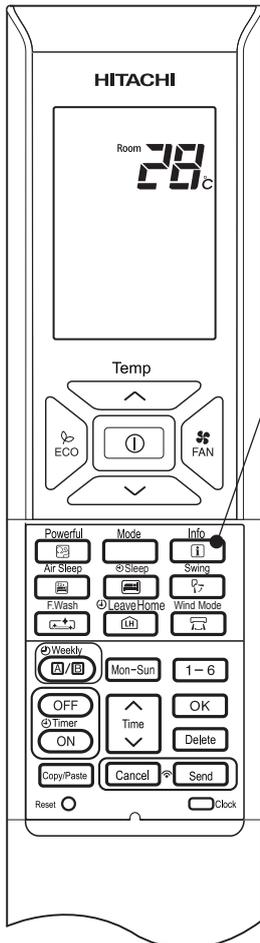
2. Direct the remote controller towards the indoor unit and press (Delete) button for about 10 seconds while Mode A or Mode B display blinks.

After beep sound emitted from indoor unit, reservations for Mode A or Mode B will disappear.

NOTE

- If all reservations in the remote controller were deleted and pressed (Send) button, no signal will be transmitted to indoor unit. Timer lamp will remain off and no changes will be done to the reservations stored in the indoor unit.

- By pressing  (Info) button, temperature around remote controller and monthly power consumption will be displayed on the remote controller.
- After changing the batteries, direct the remote controller towards the indoor unit and press  (Info) button. Current calendar and clock will be transmitted from indoor unit.
- In order to receive information from indoor unit, the distance between remote controller and receiver of indoor units is within 2 meters.



■ To check temperature around remote controller

1

Press  (Info) button.

Temperature will be displayed for 10 seconds.

■ To check monthly power consumption

Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (Info) button. Wait for 2 seconds for signal transmission.

While temperature around remote controller is displayed, press  (Info) button repeatedly. The display will show as below:

this month power consumption amount for heating → last month power consumption amount for heating → this month power consumption amount for cooling → last month power consumption amount for cooling → temperature around remote controller → this month power consumption amount for heating cyclically.

- If indication is not given, bring remote controller closer to the receiver of the indoor unit.
- Indicated value shall be regarded as a guide only.

■ Current calendar and clock can be retrieved from indoor unit

Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (Info) button. Wait for 2 seconds for signal transmission.

Once received the current calendar and clock, check whether they are correct or not by pressing  Clock (Clock) button.

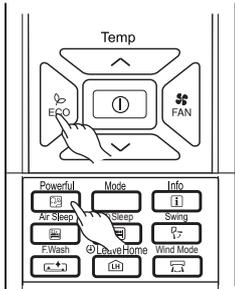
- If there is no power supply to indoor unit or calendar and clock have not been set, Info function cannot be used for sending or receiving information.

NOTE

- In case failure occurs to the air conditioner, by pressing  (Info) button, an error code will be displayed. Direct the remote controller towards the receiver of indoor unit (within 2 meters in front of indoor unit) and press  (Info) button. Wait for 2 seconds for signal transmission. An error code will be displayed. Call service center and inform the error code.
- Info Function to check monthly power consumption. During installation, in case of power failure or breaker ON / OFF, ensure to set the clock and calendar for indoor unit (unit in standby mode or auto restart), by pressing  (Start / Stop) button. Failure to do the above, monthly power consumption amount will not be displayed on the remote controller.

OPERATION MODE LOCK

The remote controller can be set to fix the Heating mode (including Fan), Cooling mode (including Fan) and Dehumidifying mode (including Fan) operations.



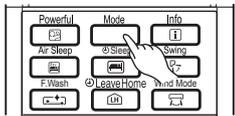
■ Method to lock Heating mode (including Fan) operation.

Press (ECO) and (Powerful) buttons simultaneously for about 5 seconds when the remote controller is OFF.

“”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that Heating mode operation is locked.

When pressing (Mode) button, “”, “” or “” will be displayed.



■ Method to unlock Heating mode (including Fan) operation.

Press (ECO) and (Powerful) buttons simultaneously for about 5 seconds when the remote controller is OFF.

All operation mode symbols will appear on the display for about 10 seconds. After that, operation mode symbol before cancellation will be displayed.

This indicates that Heating mode operation is unlocked.

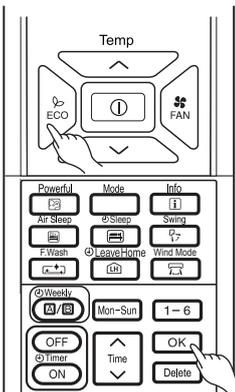
■ Method to lock Cooling and Dehumidifying modes (including Fan) operations.

Press (ECO) and (ok buttons) buttons simultaneously for about 5 seconds when the remote controller is OFF.

“”, “”, “” and “” will be displayed for about 10 seconds. Later, “” and “” will remain.

This indicates that Cooling and Dehumidifying mode operation is locked.

When pressing (Mode) button, “”, “”, “” or “” will be displayed.

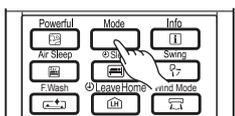


■ Method to unlock Cooling and Dehumidifying modes (including Fan) operations.

Press (ECO) and (ok buttons) buttons simultaneously for about 5 seconds when the remote controller is OFF.

All operation mode symbols will appear on the display for about 10 seconds. After that, operation mode symbol before cancellation will be displayed.

This indicates that Cooling and Dehumidifying modes operation is unlocked.

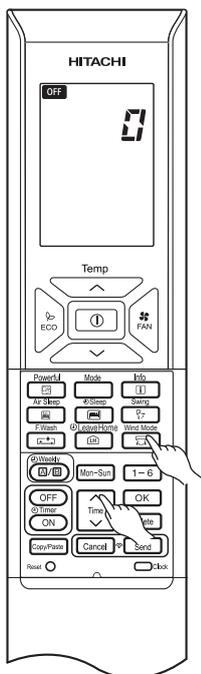
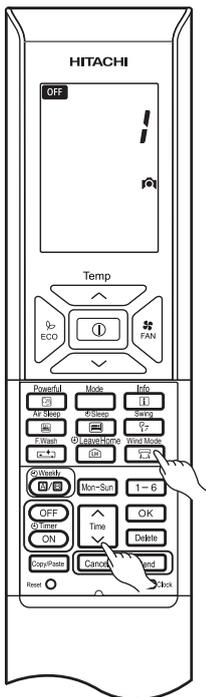


NOTE

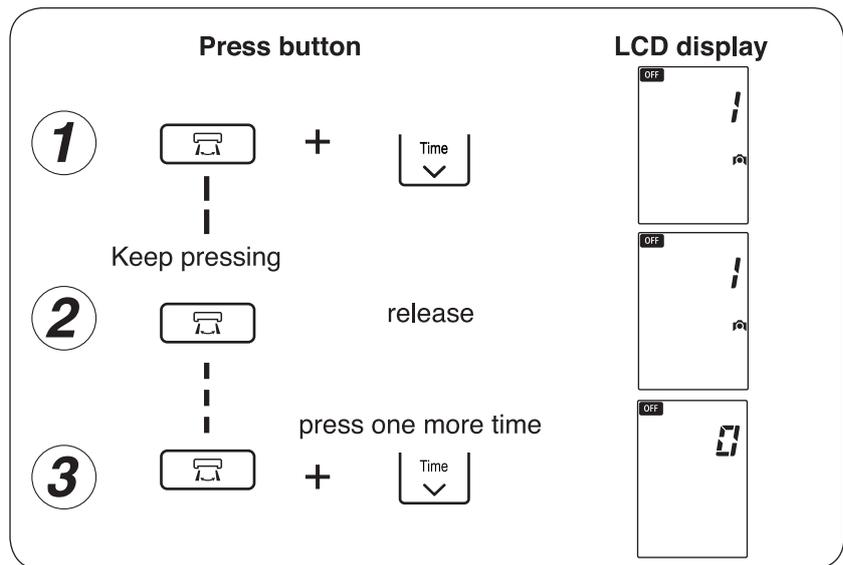
- Operation Mode Lock function will not activate if Timer reservations activate. Timer reservations shall be deactivated first. Then, Operation Mode Lock function can be activated.
- Heating, Cooling and Dehumidifying mode (including Fan) operations can be unlocked by pressing the (Reset) button. However, by pressing the (Reset) button, all the information stored in the remote controller will disappear. You may need to set the necessary information again.

CAMERA OPERATION CANCEL / SET

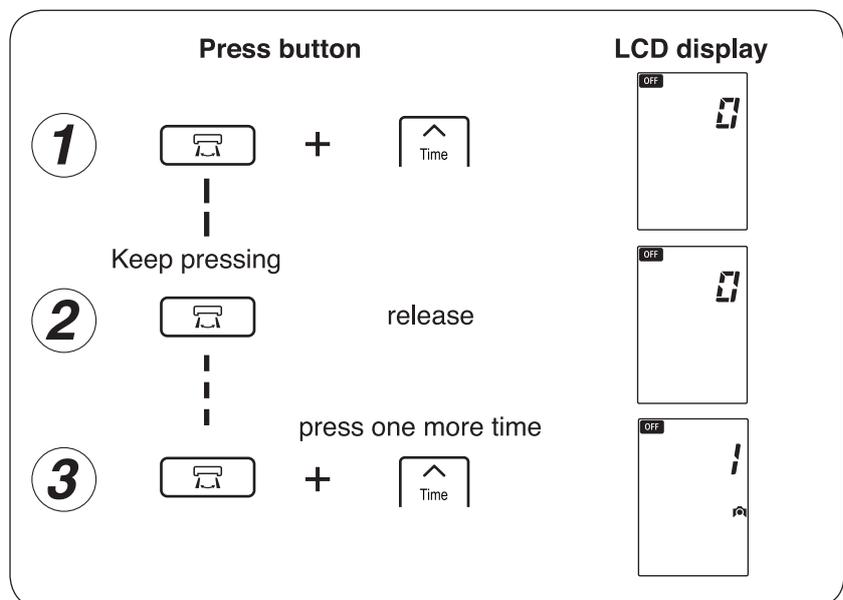
This operation can change setting during stop condition only.



Camera Operation Cancel



Camera Operation Set

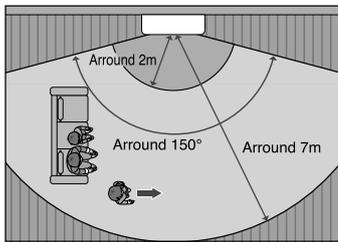


Press & hold "Mind mode" button during this adjustment and press the Temperature adjust button to change the display as shown above.

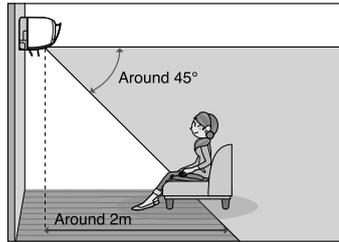
■ About Camera Off

- If you set "Camera Off", the following functions are not available because SCENE CAMERA does not work at all. "Smart Swing", "Direct", "Indirect", "Auto OFF", "ECO", "Auto ON".

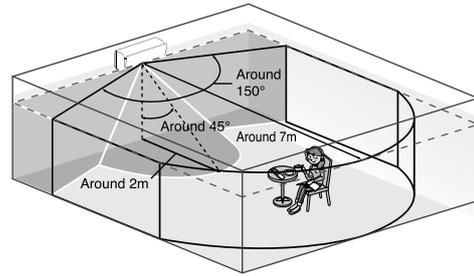
SCENE CAMERA OPERATING AREA AND VIEW ANGLE



Top view

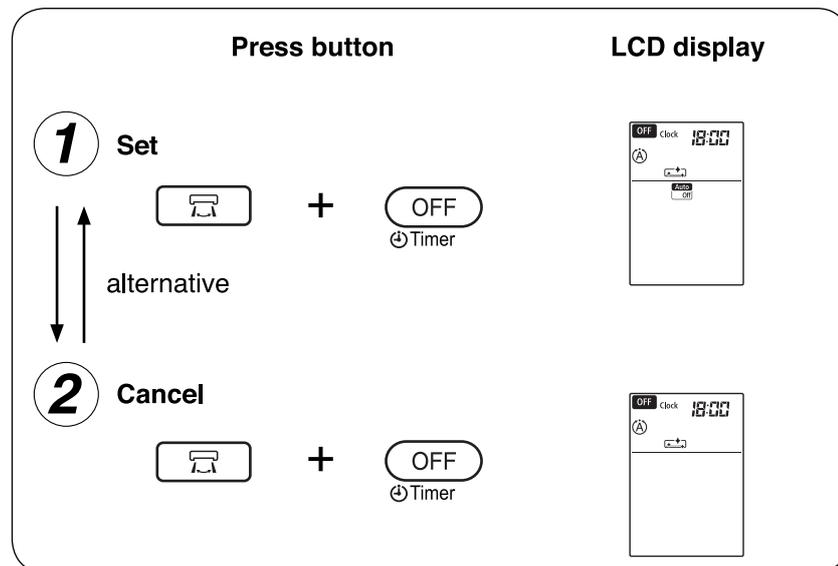
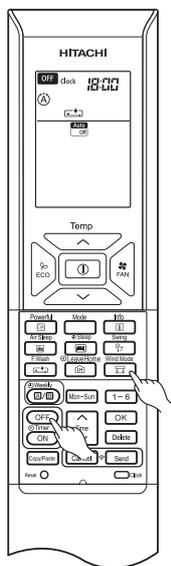


Side view



AUTO OFF

If you want to turn the unit Off during ECO operation, then select Auto Off feature. The display indicates the symbol.



Note:

- During 1 hour before operation stop, If person come into the room or camera detect activity, detection start again for 1 hour after no person in the room of camera do not detect activity.

■ About Auto Off

- Cancel "Auto Off" if you continue to use by "Eco" mode, cancel the setting of "Auto Off".
- If there are infants or a person lying on bed, it is recommended not to set "Auto Off", (The unit may judge that nobody is in the room and stop the operation.)

Notice

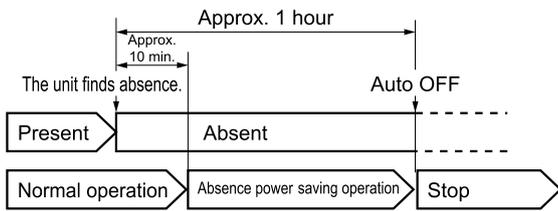
In the following cases, operation may not stop automatically.

- If the unit finds a person displayed on the screen or poster.
- If the unit recognize the lamp shade as a person.
- If the room is so dark that the unit cannot find the person.

In the following cases, the operation may stop automatically.

- If a person is not located within the detectable area of "SCENE CAMERA".
- If there is a person in horizontal position or infants.
- If there is a pet.
- If the color of floor or wall looks like the color of clothes or head of person.
- If there is a person who wears a cap/hat.
- If the room is so dark that the camera cannot find the person.

In this cases, it is recommended to cancel "Auto Off" function.



■ The motion after Auto Off (Operation stops)

- If the unit cannot find any person during "Eco" operation for 1 hour, and the operation stops automatically.
- After detect absence for 1 hour continuously, operation lamp will switch off.
- The operation does not restart if person comes back to the room after operation stops. Restart the operation by remote controller.
- During "Off Timer" and "Air Sleep" operation, priority is given to "Off Timer" and "Air Sleep" operation.

How to adjust the time by operation stops with Auto Off

- You can adjust the absence power saving operation time. (following table below)
- Point the remote controller to the indoor unit while operation stops, press  with pressing  to set.
- When indoor unit receives the signal, single short beep.

Indication	-3 - -1	0	+1	+2	+3
Auto Off time	Approx. 30 min.	Approx. 1 hour (Initial)	Approx. 1.5 hours	Approx. 2 hours	Approx. 3 hours

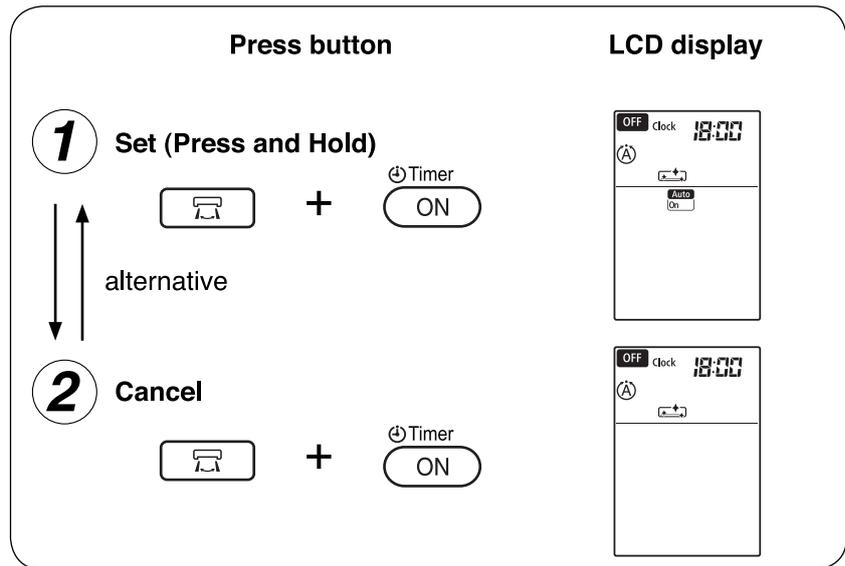
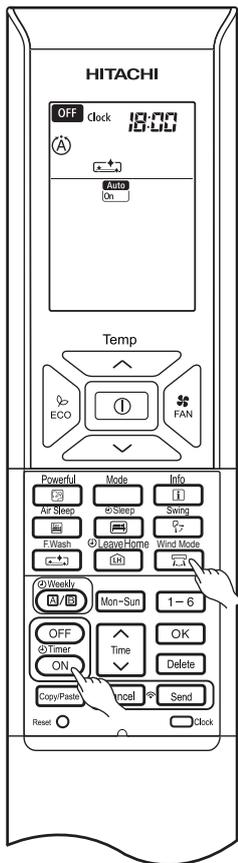
How to adjust sensitivity of detection

- Press temperature adjusting button  or , while pressing "Swing" button.
(Indication in remote is "0" at default)
There is a "beep" sound if the unit received the signal from the remote.

Indication	-3	-2	-1	0	1	2	3
Sensitivity	<div style="display: flex; justify-content: space-between; align-items: center;"> ← Low Normal High → </div>						

AUTO ON

Auto ON operation is function by start the unit operation automatically when detected a person in the room.



About Auto ON:

- First 30 min after setting Auto On, unit will be prohibited from operating, because the cameras will be prohibited from operation
- If person/activity detected for more than 1 hour, unit will continue operation for 22 hours (max).
- After Auto On start and person/activity not detect below 1 hour unit may stop and resume when person/activity detected.
- After 22 hours operation, if no adjustment to remote controller, unit will enter Auto On standby mode.
- After 2 continuous week since setting the Auto On function and no further adjustment was made to the remote controller, the unit will automatically CANCEL for safety purpose.
- Setting can be done before unit operate only.

CAUTION:

During Auto On operation, please check the remote controller setting is according user requirement.

Notice

Operation resumes automatically in the following cases;-

- If the unit detects a person in TV or a poster
- If the unit detects lamp shadow as a person

Operation does not resume automatically in the following cases;-

- If a person is not located within the detectable area of "SCENE CAMERA"
- If there is a pet only in the room
- If there is a lying down person or infant only in the room
- If the color of floor/wall is similar to the color of a person's head
- If a person wears cap or hat
- If the room is too dark for the unit to detect a person

"Auto On" is recommended to be cancelled in those cases.

How to adjust sensitivity of detection

- Press temperature adjusting button  or  , while pressing  button.
(Indication in remote is "0" at default)

There is a "beep" sound if the unit received the signal from the remote.

Indication	-3	-2	-1	0	1	2	3
Sensitivity	Low			Normal		High	


Indication of adjustment

If the unit does not resume operation automatically even if there is a person in the room	Adjust the sensitivity to "High"
If the unit resumes operation automatically even though there is no person in the room	Adjust the sensitivity to "Low"

- If the sensitivity is increased, the unit increases the potential of false detection. Please adjust sensitivity accordingly to installed and usage environment.
- Sensitivity of "SCENE CAMERA" during operation will follow the adjusted sensitivity that already setting to the unit.

CAUTION

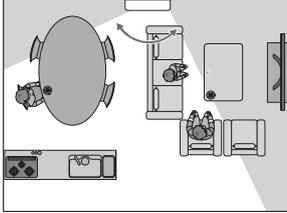
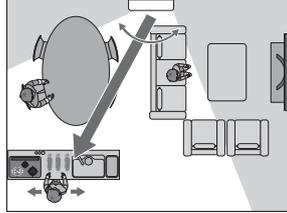
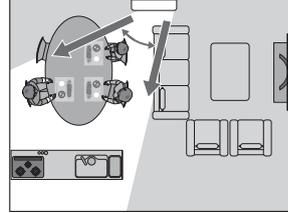
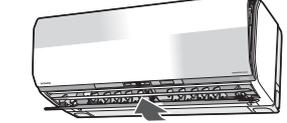
- Every time after the operation by "Auto On", please check the setting mode of remote control.
- To combine "Auto Off", select "Eco" mode, resumes operation with "Eco" mode is cancelled.

SCENE CAMERA OPERATION

SMARTSWING

This function enables the vertical/horizontal air deflectors to be adjusted by identifying the movement of individual with the SCENE CAMERA.

Operation mechanism of Smart Swing

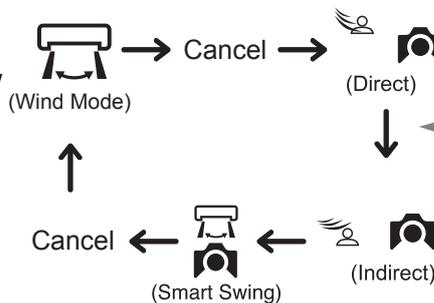
When relaxing (standard)	When working in the kitchen	When dining	When the room becomes dark
 <p>Swing operation is performed within the range that individuals can be detected. Swing operation is temporary canceled at the position in where individual is detected.</p>	 <p>Performs swing operation within the range of individuals by stopping swing operation temporarily to sent air to the individual moving in the kitchen.</p>	 <p>Horizontal air deflector is operated in upward direction. Vertical deflector moves alternately left and right.</p>	 <p>Vertical deflector locates preset location according to the operation mode, and horizontal deflector locates the front. After 1 hour, the horizontal deflector will be in upward direction. When the room is lit it returns the original position.</p>

- If the same conditions (When relaxing/working in kitchen/eating) continue more than 30 minutes, the movement of the deflector may stop in order to avoid airflow.
- When the deflector stops working, it starts working if different conditions are detected from the current condition.
- The movement of the deflector does not change if the actual condition is changed. It takes approximately 1.5m min at the earliest.

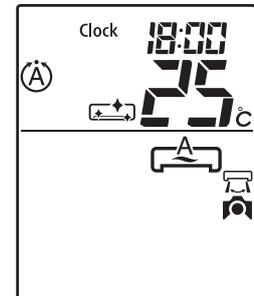
When changing airflow direction

Press  during an operation.

- Every time you press the button, airflow direction will be changed.



Display of remote controller



Advice on "Smart Swing"

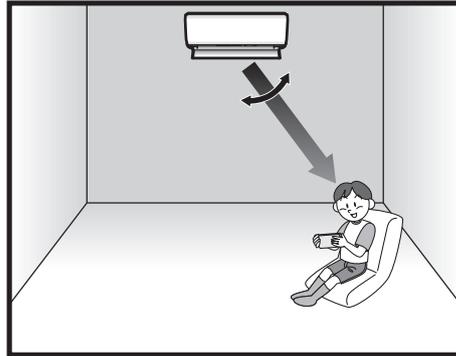
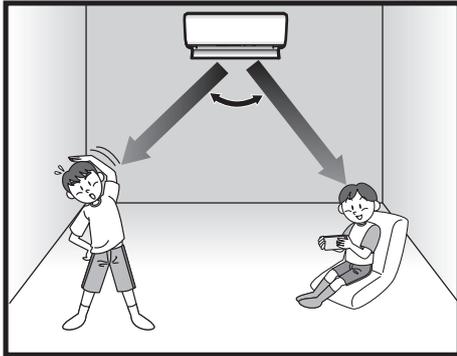
- Smart Swing operation is performed with the vertical/horizontal deflector. Airflow may not be reached according to the preset fan speed, difference between preset temperature and indoor temperature, and layout of the room. In such cases refer Horizontal/ Vertical airflow setting and Fan speed setting.
- When Smart Swing does not operate as intended, or you want to avoid wind for infants or the elderly by unintended operation, set the location to your preference with vertical/horizontal air deflector function.
- When Smart Swing function is set, and the high temperature continues during Cool/Dry operation, the angle of the deflector may change in order to avoid dew dropping. When the temperature returns, the deflector returns to the original state.
- When Smart Swing is set during Vertical swing operation, the vertical swing will be cancelled.
- Smart Swing will be cancelled when  or  is pressed
- Smart Swing is no longer available when camera operation is not set.

SCENE CAMERA OPERATION

■ DIRECT/INDIRECT FUNCTION

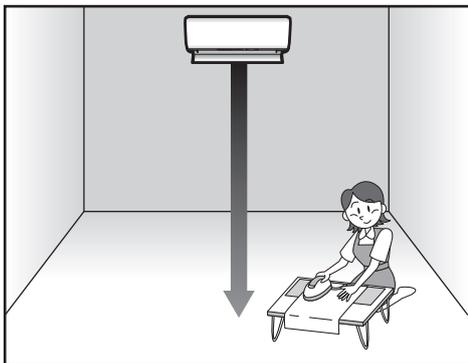
This function enables the airflow direction to be changed automatically by monitoring the location of people with SCENE CAMERA, "SCENE CAMERA" lights blue when function.

Operation mechanism of DIRECT



Both Vertical and horizontal deflector performs swing operation within the area where people can be detected.

Operation mechanism of INDIRECT



Vertical deflector will be positioned away from the location of person detected in the room.

Position of the horizontal deflector is automatically set depending on the operation mode.

Advice on “Direct and Indirect Swing”

- This function performs “Direct” & “Indirect” Swing with vertical/horizontal air deflectors. However, depending on such situations (fan speed set, temperature set, difference of indoor temperature and layout of room etc.), wind may not be reached or avoided. In such cases, please use vertical/horizontal airflow direction setting and Fan speed setting.
- When “Direct” & “Indirect” do not operate as intended, or you want to prevent wind from hitting infants or elderly by unintended operation, set the vertical/horizontal air deflector position on your preference with vertical/horizontal air deflector function.
- Even if you set “Direct or “Indirect” Swing, and the high temperature continues during Cool/Dry operation, the angle of the deflector may change in order to avoid dew dropping. When the temperature returns, the deflector returns to the original state.
- When “Direct or “Indirect” is set during Vertical swing operation, the vertical swing will be cancelled.
- “Direct or “Indirect” Swing is cancelled when  or  is pressed.
- “Direct or “Indirect” Swing is no longer available when camera operation is not set.

OPERATION MODE AND AVAILABLE FUNCTIONS.

○ : Can be used with the other functions.

△ : Is preset function. These can be used in combination, but operation does not start unless operation conditions are met.

× : Cannot be used in combination.

— : Swing and wind mode button cannot be operated at the same time.

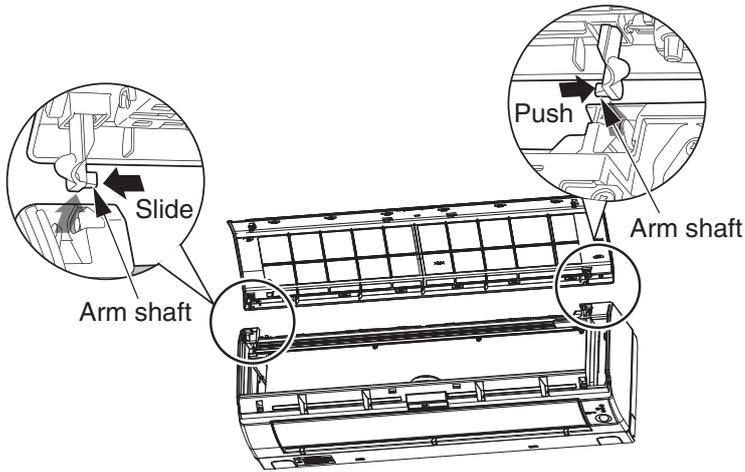
Available functions	Runing Frame								
	Camera On								
	Auto Mode	Heating	DRY	Cooling	Fan	Swing (Horizontal)	wind mode (Vertical)	Direct	Indirect
MODE	○	○	○	○	○	○	○	○	○
Auto Filter Cleaning	×	×	×	×	×	×	×	×	×
Fan Speed	○	○	○	○	○	○	○	○	○
Swing (Horizontal)	○	○	○	○	○	○ Vertical Swing cancelled	○	○ Direct Mode cancelled	○ Indirect Mode cancelled
wind mode (Vertical)	○	○	○	○	○	○	○ Horizontal Swing cancelled	-	-
Direct	○	○	○	○	○	○ Horizontal Swing cancelled	×	-	-
Indirect	○	○	○	○	○	×	-	○	-
SmartSwing	○	○	○	○	○	×	-	-	○
ECO	○	○	○	○	×	○	○	○	○
LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome	○ Transfers to LeaveHome, Direct Mode cancelled	○ Transfers to LeaveHome, Indirect Mode cancelled
Powerful	○	○	○	○	○	○	○	○	○
AirSleep	×	×	×	○	×	△ Only cooling mode valid	△ Only cooling mode valid	△ Only cooling mode valid, Direct cancelled	△ Only cooling mode valid, Indirect cancelled
F.Wash	×	×	×	×	×	×	×	×	×
Sleep Time	○	○	○	○	○	○	○	○ ※retain	○ ※retain
Auto On	×	×	×	×	×	×	×	×	×
Auto Off	×	×	×	×	×	×	×	×	×
Camera On/Off	×	×	×	×	×	×	×	×	×
Monitoring time adjustment with Auto Off	×	×	×	×	×	×	×	×	×
Adjust sensitivity of detection	×	×	×	×	×	×	×	×	×
WIFI Initialize	×	×	×	×	×	×	×	×	×

Available functions Operation mode	Runing Frame							Stop Frame		
	Camera On							Camera Off	Camera On	Camera Off
	SmartSwing	ECO	LeaveHome	Powerful	AirSleep	F.Wash	Sleep Time			
MODE	○	○ When selecting Fun mode, ECO cancelled	○ LeaveHome cancelled	○	○ AirSleep cancelled when any mode other than cooling mode is selected	×	○	○	○	○
Auto Filter Cleaning	×	×	×	×	×	×	×	×	○	○
Fan Speed	○	○	×	○	○	×	×	○	○	○
Swing (Horizontal)	○ SmartSwing cancelled	○	×	○	○	×	○	○	×	×
wind mode (Vertical)	-	○	×	○	○	×	○	○	×	×
Direct	-	○	×	○	×	×	×	×	×	×
Indirect	-	○	×	○	×	×	×	×	×	×
SmartSwing	-	○	×	○	×	×	×	×	×	×
ECO	○	○ ECO cancelled	×	○ Powerful cancelled	○ AirSleep cancelled	×	×	○	×	×
LeaveHome	○ Transfers to LeaveHome SmartSwing cancelled	○ Transfers to LeaveHome, ECO cancelled	○ LeaveHome cancelled	○ Transfers to LeaveHome, Powerful cancelled	○ Transfers to LeaveHome, AirSleep cancelled	×	○ Transfers to LeaveHome Sleep cancelled	○	○	○
Powerful	○	○ ECO cancelled	×	○ Powerful cancelled	○ AirSleep cancelled	×	×	○	×	×
AirSleep	△ Only cooling mode valid, SmartSwing cancelled	△ Only cooling mode valid, ECO cancelled	×	△ Only cooling mode valid, Powerful cancelled	○ AirSleep cancelled	×	×	△ Only cooling mode valid.	○ AirSleep coolingmode running satart	○ AirSleep coolingmode running satart
F.Wash	×	×	×	×	×	○ one more time	×	×	○	○
Sleep Time	○ ※retain	○ ※retain	×	○ Powerful cancelled	○ AirSleep cancelled	×	○ 1h→2h→3h→7h→cancelled	○	○ sleep operation	○ sleep operation
Auto On	×	×	×	×	×	×	×	×	○	×
Auto Off	×	×	×	×	×	×	×	×	○	×
Camera On/Off	×	×	×	×	×	×	×	×	○	○
Monitoring time adjustment with Auto Off	×	×	×	×	×	×	×	×	○	○
Adjust sensitivity of detection	×	×	×	×	×	×	×	×	○	○
WIFI Initialize	×	×	×	×	×	×	×	×	○	○

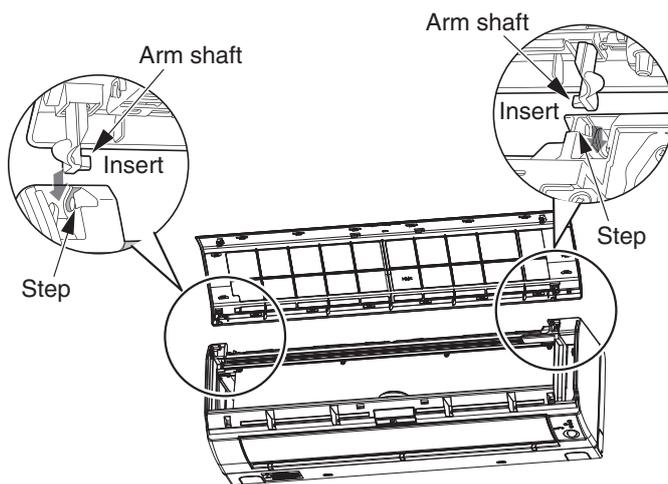
※ Leave Settings for now. Resumes at the start of the next run after canceling (including Cancel) the rest timer or turning off the timer.

MAINTENANCE - Removing and attaching Front Panel

How to open the Front Panel



- 1 Open the Front Panel.
- 2 Remove the Front Panel.
 - 1) Push the end of the right-side arm outward to release the shaft.
 - 2) Move the left-side arm outwards to release the left arm, and then pull the panel toward you.



How to attach the Front Panel

- 1 Take the Indoor unit front panel.
 - 1) Insert the shaft of the left arm along the unit into the hole.
 - 2) Securely insert the shaft of the right arm along the step on the unit into the hole.
- 2 Make sure that the front panel is securely attached, and then close the front panel.

CAUTION

- * If the front panel is loose, it may come off and drop.
- * When opening the front panel upwards, please do not use excessive force. If the front panel comes off the device, this may cause it to malfunction.
- * When the front panel remains open, be sure to push up the panel support.

MAINTENANCE OF MICRO MESH STAINLESS FILTERS

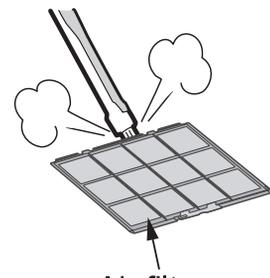
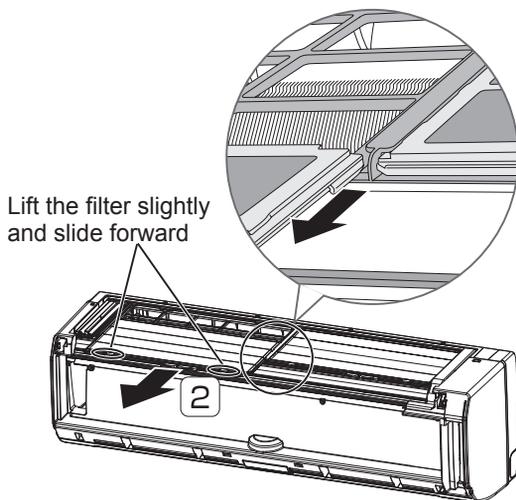
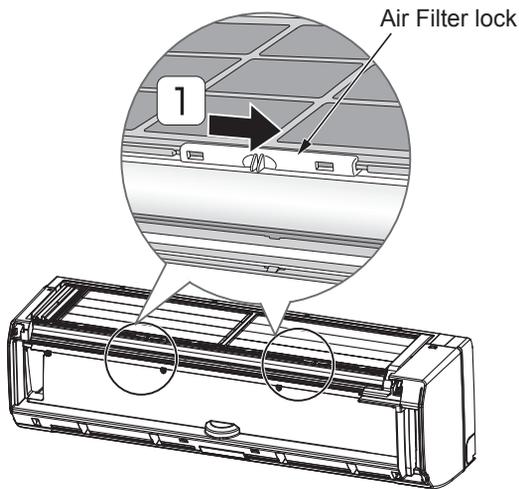
Daily maintenance is not required. However, dust amount varies depending on the environment in which the air conditioner is used.

1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).

2 Remove the front panel.
Refer to page 44 on removing the front panel)

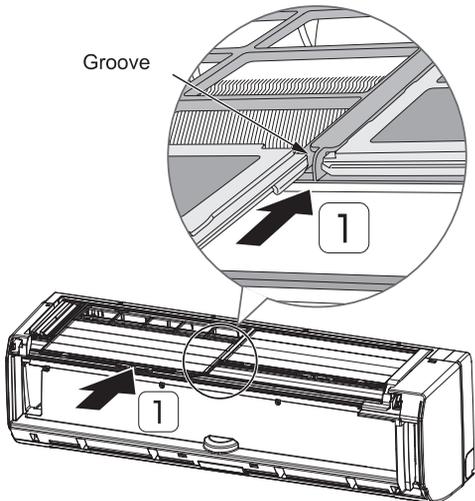
3 Remove the micro mesh filter
1) Unlock the lock by sliding towards right side.
2) Slightly lift and pull the top micro mesh stainless filters towards you.

4 Vacuum the dust.
In the event the filter is heavily dirty and the dust cannot be cleaned with vacuum cleaner, wash the filter with natural detergent and rinse with water, and dry the filter in shade.



Air filter
(Stainless steel filter)

MAINTENANCE OF MICRO MESH STAINLESS FILTERS



5

Attach the micro mesh stainless filter.

1) Align the filter with the top face of the indoor unit, and then slide and push it in. (The left and right filters is the same).

2) Lock the Filter by sliding the lock towards left side.

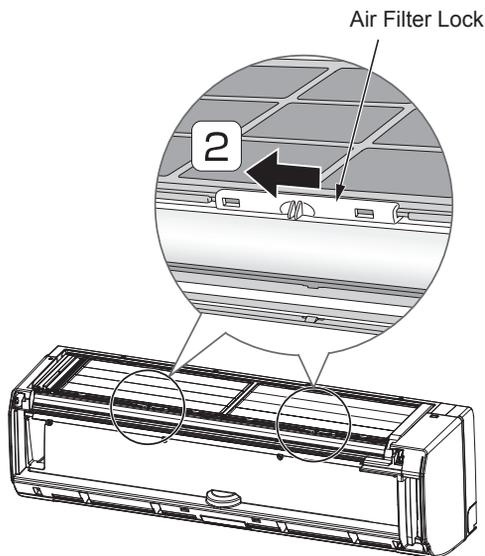
6

Attach the front panel.

Refer to page 44 on removing the front panel).

3

Plug in the power plug (or turn on the circuit breaker).



⚠ CAUTION

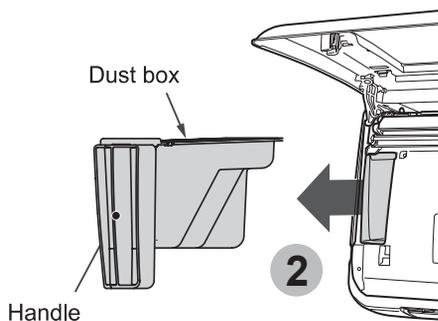
- **Do not operate the air conditioner without the micro mesh stainless filter.** Dust goes in the gap of the heat exchanger as well as inside the appliance and may cause unpleasant smell on the heat exchanger or could result in malfunction.

MAINTENANCE OF DUST BOX

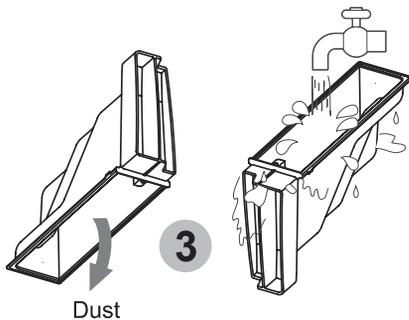
- Daily maintenance is not required. However, dust amount varies depending on the environment in which the air conditioner is used. Check the dust amount approximately once every year and throw the dust, if any.
- Some type of dust may be accumulated on the rear surface of the dust catcher. It is recommended to clean the dust catcher together with the dust box.

1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).

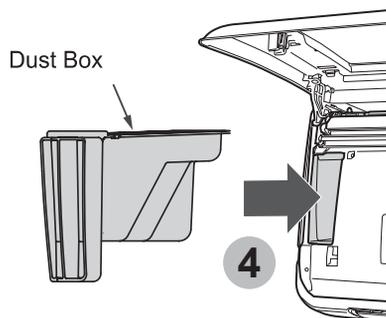
2 Remove the dust box in the direction of arrow, to pull out in front.



3 Wash the dust box with water.
• If the dirt is stubborn, wash with the dust box with warm water below 40°C.
• After washing, dry it in the shade.



4 Install the dust box in the direction of the arrow, snap and push until it clicks. If dust box is not firmly attached, it may cause noise during operation.

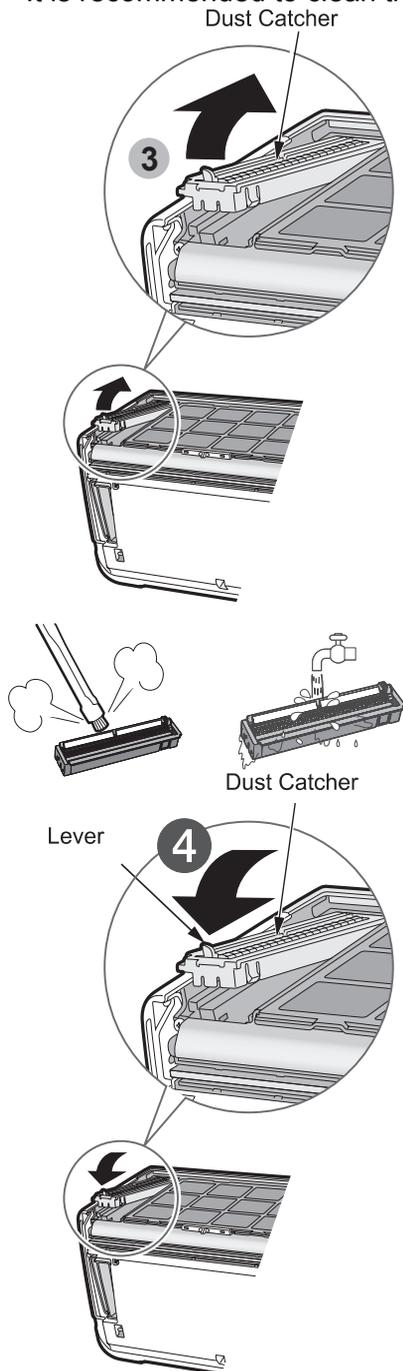


5 Plug in the power plug (or turn on the circuit breaker).

* Available in selected models only.

MAINTENANCE OF DUST CATCHER

- No daily maintenance is required. However, dust amount varies depending on the environment in which the air conditioner is used. Check the dust amount approximately once every year and throw the dust, if any.
- Some type of dust may be accumulated on the rear surface of the dust catcher. It is recommended to clean the dust catcher together with the dust box.



1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).

2 Remove the front panel.
(Refer to page 44 on removing the front panel).

3 Remove the dust catcher.
•Remove the dust catcher from the top and front face as shown with arrows.
•If dust is accumulated at the inner side of the dust catcher, remove the dust with a vacuum cleaner.

4 Wash with water.
•Please wash with water.
•If the dust is stubborn, use mild detergent and wash with warm water below 40°C.
•Dry completely in the shade.

5 Attach the dust catcher.
•Hold the dust catcher for the top face with its side having the lever facing towards you. Insert and push in the dust catcher in the arrow direction until it clicks.
•Hold the dust catcher for the front face with its side having the lever facing upward. Insert its bottom side and then push in the dust catcher in the arrow direction till it clicks.

6 Attach the front panel.
(Refer to page 44 on attaching the front panel).

7 Plug in the power plug
(or turn on the circuit breaker).

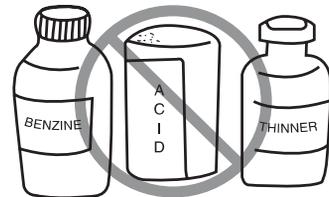
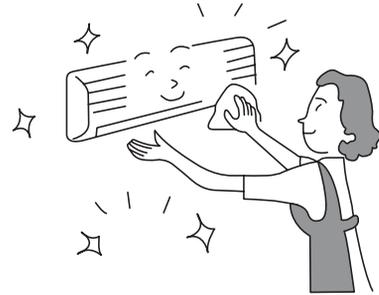
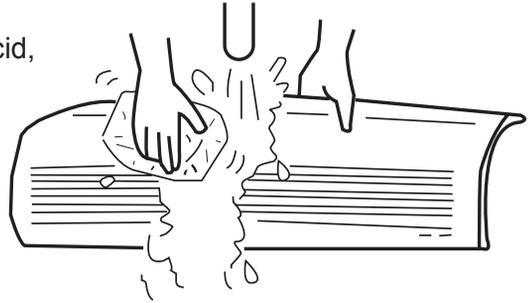
* Available in selected models only.

CAUTION

Improper installation of the dust catcher could result in malfunction. Filter cleaning operation can not be performed properly and the (CLEAN) indicator blinks.

CLEANING OF FRONT COVER, ETC.

1. When front cover becomes dirty, wipe it with a soft dry cloth.
2. Never use hot water (above 40°C), benzene, gasoline, acid, thinner or a brush, because they will damage the plastic surface and the coating.
3. No need to remove front cover to clean.



CAUTION

- Do not splash or direct water to the body of the unit when cleaning it as this may cause short circuit

INITIAL SETTINGS

Please install the airCloud Home app on your smartphone

1) Search for the airCloud Home app

- For Android models: Open Google Play.
Android is a trademark and registered trademark of Google LLC.
- For iOS models (iPhone): Open the App Store.
iPhone is a trademark and registered trademark of Apple Inc.

2) Please install according to the screen

- In order to use the dedicated app, you need to read and agree to the Terms of Service. Dedicated application is free, but data used for application download shall be charged separately. The names and icons of the dedicated apps are as of September 2021. It may be changed by updating the application.

Notes:

- The first registered user manages users and sets access rights as a group administrator.
- When using with multiple users, the registered user should invite other users to register.

NOTES ON WIRELESS LAN



• Do not enable remote features where cardiac pacemakers may have access

It may affect the operation of the pacemaker, etc., and may cause an accident.

• Do not enable remote features near those with a cardiac pacemaker or defibrillator

If it is too close, radio waves may affect the operation of pacemakers and other devices.

Use frequency band

In the frequency band used by this air conditioner, in addition to industrial, scientific and medical equipment such as microwave ovens, private radio stations for identification of mobile objects (radio stations that require a license) and special Low power radio stations (radio stations that do not require a license) and amateur radio stations (radio stations that require a license) are in operation.

1. Before using this air conditioner, make sure that local radio stations for identification of mobile objects, specified low-power radio stations and amateur radio stations are not operating nearby.
2. If any harmful radio interference occurs from the air conditioner to the mobile station identification radio station, immediately stop using the radio wave and contact below to consult about measures for avoidance
3. In addition, if you have any problems such as harmful radio interference from the air conditioner to the specified low power radio station for identifying the moving object or amateur radio station. Please contact us.

How to use frequency

Modulation system is DSSS and OFDM system



It means that the entire band from 2.400 GHz to 2.4835 GHz can be used and the band of the mobile identification device can be avoided.

Equipment certification

This air conditioner has a built-in wireless device that has been approved for construction design based on the Radio Law, so a license for a wireless station is not required. However, the following acts are prohibited by the Radio Law.

- Disassemble / modify wireless device.
- Remove the main unit nameplate.
- Erase the indication on the nameplate of the main unit

Security measures

- Since wireless LAN transmits and receives using radio waves, there is a risk of unauthorized access. Please take security measures for the wireless LAN router (hereinafter, router) to ensure data security. Please note that we do not take any responsibility if a problem occurs without implementing security measures.
- We recommend that you set a password (encryption key) for the router of at least 8 characters and no more than 63 characters. (Refer to the instruction manual of the router for the limitation of the number of characters.) When you change the password (encryption key), change the setting according to “When the router is replaced” in the airCloud Home app.

About firmware

- This air conditioner has the function of connecting to our server through the Internet and automatically updating its firmware to the latest version. During the update, wireless communication may be interrupted and communication may be interrupted or can be slow.
- Do not analyze or modify the firmware.

Usage restrictions

Please note the following restrictions on use.

The Company will not be liable for any failure to observe the restrictions or for any incidental damage resulting from the use or inability to use the air conditioner.

- Do not connect to wireless networks for which you do not have usage rights. Unauthorized wireless networks (*SSID) that you do not have permission to use may be displayed during automatic search of the wireless network environment.
 - *SSID is a name to identify a specific network in wireless LAN. If this SSID matches on both devices, communication is possible.
- Do not use where magnetic fields, static electricity or radio interference may occur.

If used near the following devices, communication may be interrupted or the speed may decrease. Please use as far as possible.

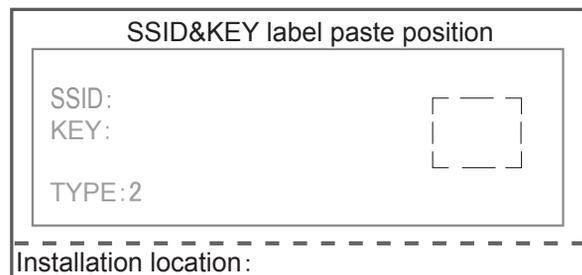
 - Microwave oven during cooking
 - Bluetooth compatible device
 - Other wireless LAN devices (wireless WEB cameras, PC devices, etc.) except the router (wireless LAN router) that communicates with this air conditioner.
- If the air conditioner is surrounded by a metal object, or if there is an object such as metal or reinforced concrete that cannot pass radio waves between itself and the router, it may not be able to communicate due to the reception of radio noise or a short range.

INFORMATION ABOUT USING WIRELESS LAN

- The air conditioner can be operated from a place that is not directly visible. Therefore, for example, a situation may occur where a person in the room turns ON while another person turns OFF from outside. Especially when infants, children, the elderly, the sick, or the physically handicapped are indoors, use it when a person who can manage it is nearby. In addition, before using, please understand the condition of the room before operating.
- Your smartphone and air conditioner communicate data via our server using the Internet. Therefore, due to the status of the communication line of the Mobile Phone Company or provider contracted by the customer, the setting of the router, etc., the service is stopped due to the maintenance of our server, etc. The air conditioner may operate with a delay.
- For the above reasons, if the air conditioner is connected to the wireless LAN to ensure safety and if data communication with our server cannot be performed for a certain period of time while the air conditioner is operating, the operation of the air conditioner will be stopped. (It will stop even if it is operated from the remote control. It will not stop when wireless LAN is not connected.)
- After connecting the air conditioner to the router, perform data communication if remote control is enabled. To use, you will be charged the Internet environment at home and the communication fee of your smartphone.
- If you do not use the air conditioner for a long time, or if you want to completely shut off the Internet connection, disable remote control.
- Please do not inform other people about the SSID / KEY of this air conditioner.
- Our company guarantees repair of this air conditioner under certain conditions. However, we do not guarantee that stored data is lost or damaged.
- This air conditioner stores network setting information. When disposing of this air conditioner, initialize the built-in Wi-Fi module (Refer to page56 Restore Factory Setting).
- Customers are responsible for resolving any deficiencies in the Internet and wireless environment at home.
- If you operate the air conditioner using the app, some of the set functions may be canceled. Check the web page for details.

SSID & KEY LABEL PASTE

SSID & KEY label details of Air conditioner's built-in Wi-Fi module is pasted here for your reference. Please keep it safe for future requirements during pairing process and please write down the installation location (like living room, bed room, etc.) on the label. The AC type is 2 that is for models with a built-in wireless device.



ABOUT SOFTWARE LICENSE

The software installed in this air conditioner is composed of multiple independent software modules, and each software module has the copyright of Hitachi Johnson Controls Air Conditioning Co., Ltd. (Herein after referred to as "the Company") and a third party.

This air conditioner also contains software modules developed or created by us, but these software and accompanying documents have proprietary rights and intellectual property rights of our company. These are protected by copyright law and other laws.

INITIAL SETTING OF APP

Installation of App

Go to Google Play or the Apple Store (depending on your smartphone) and download the “airCloud Home” Application.

Please read and agree to “the Terms of Use” on the App.

The App is free. Communication charges will be incurred for download and operation as per the local cell phone provider.

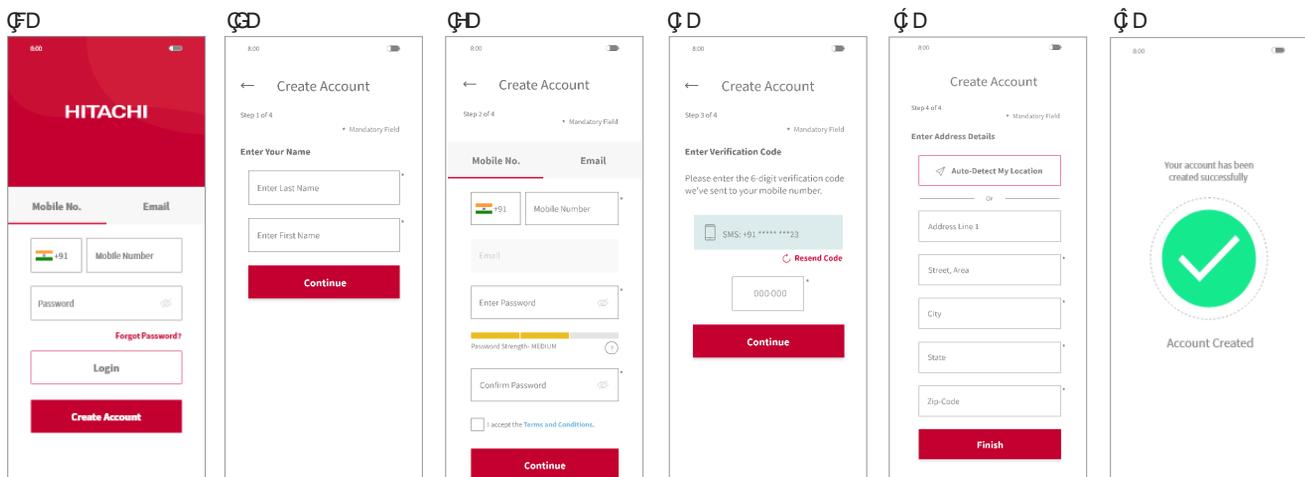
Android is a trademark and registered by Google LLC.

iPhone is a trademark and registered by Apple Inc.

QR code is a trademark and registered by DENSO WAVE Inc.

REGISTRATION ON APP

- (1) Click “Create Account”.
- (2) Enter your name and click “Continue”.
- (3) Enter your mobile number and password (or click “E-mail” tab, and enter your E-mail address and password), read the “terms and conditions” and check on the box, click “Continue”.
- (4) Enter received verification code you received and click “Continue”.
- (5) Click “Auto-Detect My Location” or Enter address details manually, and click “Finish”.
- (6) The account has been created successfully.



Note:

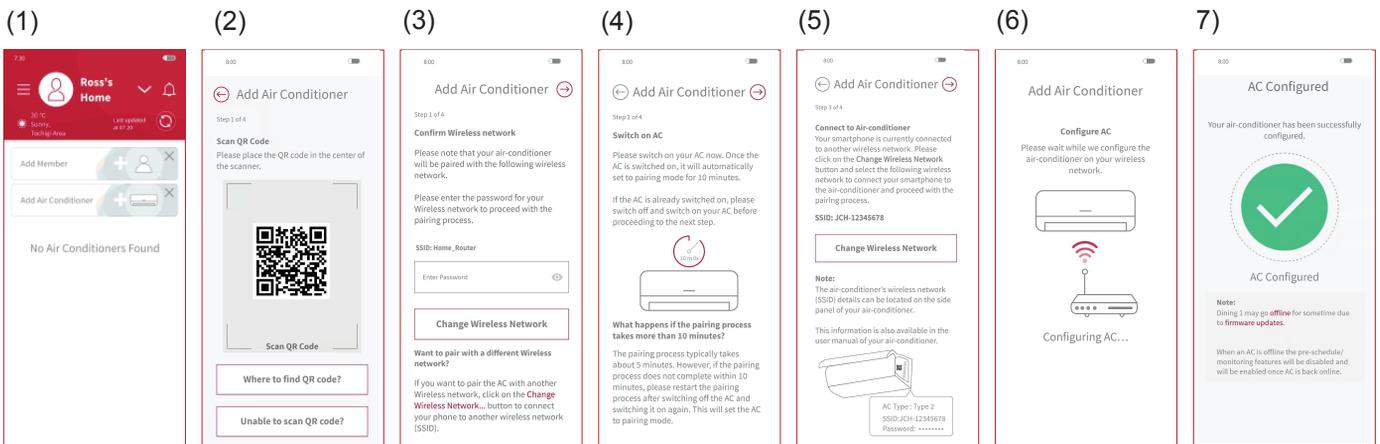
The first registered user can manage all the users and set access rights as a group owner. Group owner can invite others to register.

Manufacturer: Johnson Controls-Hitachi Air Conditioning India Limited Hitachi Complex, Vill - Karannagar, Ta.-Kadi, Dist.- Mehsana, Gujarat - 384440, India

AIR CONDITIONER REGISTRATION AND ROUTER CONNECTION

Make sure that the air conditioner is plugged in, then follow the steps below to add your air conditioner device to the App.

- (1) Click “Add Air Conditioner” on the top screen after registration and login your App.
- (2) Scan QR code on the bundled SSID & KEY label in this user manual or on the side panel of your air conditioner.
- (3) If the SSID shown on the App is your home router, enter your home router password, click “OK”. Otherwise, click “Change Wi-Fi Network”, select your home router enter password and click “OK”.
- (4) Switch ON your AC now. Once your AC is switched on, or reset the internal settings (restore the factory settings) by remote control, it will automatically set into pairing mode for 10 minutes. Wi-Fi LED on AC’s panel (see diagram in status indicator section) will blink for 3 times repeatedly showing AC is in pairing mode. Wi-Fi LED keeps blinking till communication with Wi-Fi router is succeeded.
- (5) Click “Change Wi-Fi Network”, select the Wi-Fi access point of the Built-in Wi-Fi module with SSID printed on the bundled SSID&KEY Label, input password (the KEY). Click right arrow icon on the screen top to continue for connecting your smart phone with the Adapter.
- (6) Waiting for the built-in Wi-Fi module to connect to your home router. When communication is established, Wi-Fi LED on panel will be continuously ON after blinking.
- (7) Your air conditioner has been successfully configured. You can reconnect your smart phone to your home router following the instruction of the App.



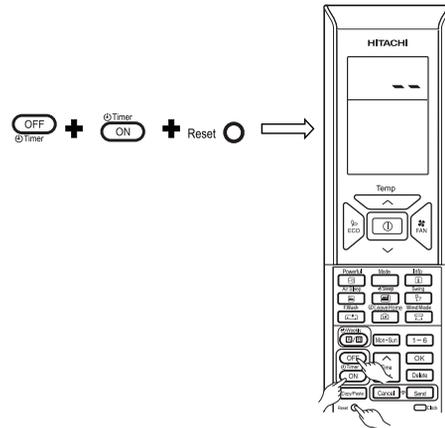
- 1) If communication cannot succeed within 1 minute, please follow the instructions of the App to complete the pairing process again.
- 2) If a user in the group has already registered some air conditioning units, the other users in the same group can also control the unit.
- 3) If the air conditioning is not configured with router, at power on unit enters into pairing mode every time for 10 minutes with Wi-Fi indication blinking for 3 times.
- 4) If the air conditioning is already configured with router, and router detection is available then at power on, unit will skip the pairing mode & try to connect to router.
- 5) Once a user (owner) has already registered air conditioning unit, and if another user initiate the pairing process then that user must be connected to same AC with another router network to register the air conditioning unit.
- 6) Please enter the SSID name of the air-conditioner to proceed with the pairing process if unable to scan QR code.

RESTORE FACTORY SETTING

Reset the internal settings (restore the factory settings) by remote handset.

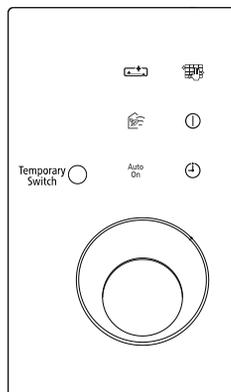
Please note that the configuration will be cleared and pairing procedure will be required to do again to use the built-in Wi-Fi module.

- (1) Keeping remote handset in OFF mode & press OFF key and ON key, Reset  together, pointing the remote handset towards air conditioner unit.
- (2) Make sure Wi-Fi LED on display panel flash 4 times repeatedly for about 20 seconds and turns off.
- (3) Restart the unit & check Wi-Fi LED blinks 3 times. This ensures that unit enters into pairing mode & restoring factory setting is succeed.



STATUS INDICATOR (LED Indicator may light up while the air conditioner is turned off)

Wi-Fi Indicator on Display panel	Corresponding Status
LED OFF	<ul style="list-style-type: none"> • Pairing time out occurs (after 10 mins.) & configured router not detected. • Air conditioner is not plugged in. • Built-in Wi-Fi module and the air conditioner is not connected.
LED ON	<ul style="list-style-type: none"> • The connection between the Wi-Fi built-in module and the router is completed. • The operation can be conducted through smartphone.
LED blinks 3 times	Waiting to connect to the Wi-Fi router using AP mode.
LED blinks 4 times	Restoring factory setting procedure has started.
LED blinks 5 times	Communication error between air conditioner & Wi-Fi built-in module (Error detection time: approx 24 mins.)
LED blinks with 4sec ON/1sec OFF	Router connection error.
LED blinks with 4sec ON/3sec OFF	Cloud connection error. (Error detection time: approx 30 mins.)



AC's Display panel : Wi-Fi indication

Note:

Please try to power OFF/ON your air conditioner from mains switch when an error occurs.

UNDERSTANDING THE OPERATING MECHANISM

Heating capability

- This room air conditioner utilizes a heat pump system that absorbs exterior heat and brings it into a room to be heated. As the ambient temperature gets lower, heating capability will also lower. In such a situation, the inverter work to increase compressor rpm to keep the unit's heating capability from decreasing. If the unit's heating performance is still unsatisfactory, other heating appliances should be used to augment this unit's performance.
- The air conditioner is designed to heat an entire room so that it may take some time before you feel warm. Timer operation is recommended for effective preheating ahead of the desired time.
- When outside temperature becomes lower while humidity remains high, condensation forms on the heat exchanger of the outdoor unit and the heating efficiency may be affected if condensation is not removed. To prevent this problem, the air conditioner performs condensation-removing operation automatically. At this time, the heating operation is suspended and it usually takes approximately 5-10 minutes (maximum of 20 minutes) to resume the heating operation.

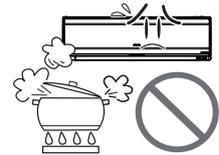
Cooling, dehumidifying capabilities

- If the heat present in a room exceeds the unit's cooling capacity (for example, if there are many people in the room or other heating appliances are used), the preset room temperature may not be reached.
- The preset temperature may not be reached if a heat source or humidity which exceeds the air conditioner's dehumidifying ability is present in the room.

※ Piping which is too long could lower the heating/cooling performance.

CAUTION

Do not use a stove or any other high temperature devices in proximity to the indoor unit.



PROHIBITION

THE IDEAL WAYS OF OPERATION

1. An average room temperature setting is probably the best for you as well as being economical.

- Excessive cooling or heating is not recommended for health reasons. High electricity bills may also result.
- Close the curtains or blinds to prevent heat from flowing into or escaping the room as well as to make more effective use of electricity.



2. At intervals, the doors and windows should be opened to let fresh air in.

⚠ CAUTION

Make sure the room is ventilated when operating the air conditioner at the same time as other heating appliances.



3. Make efficient use of the timer before going to sleep.



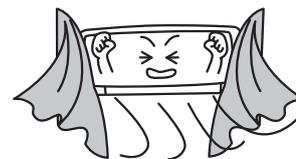
4. The following must never be used for cleaning the indoor and outdoor units:

- Benzine, thinner and scrub can damage plastic surfaces or coating.
- Hot water above 40°C can shrink the filter and deform plastic parts.



5. Do not block the air intake and air outlet.

- Do not block the air outlets and intakes of the indoor and outdoor units with curtains or other obstacles which could degrade air conditioner performance and cause unit failure.



TROUBLESHOOTING

FILTER CLEANING OPERATION

<p>Filter cleaning is performed after the power is turned on (after the circuit breaker is switched on or after power failure)</p>	<ul style="list-style-type: none"> • This is for filter cleaning operation check.
<p>Filter cleaning operation does not start</p> <p>((FILTER CLEAN) indicator blinks)</p>	<ul style="list-style-type: none"> • During filter cleaning operation or within 5 minutes after the operation , the filter cleaning operation will not restart to protect the device. ((FILTER CLEAN) indicator lit for 1 second/off for 1 second, for 10 seconds) • Is “filter cleaning operation prohibited” being set? Please return to the filter cleaning operation setting. • Are the micro mesh stainless filter, the dust catcher correctly installed? ((FILTER CLEAN) indicator lit for 4 seconds/off for 1 second) • Filter cleaning is not performed if the air conditioner operation is stopped by Sleep Timer or Off Timer function. However, if the air conditioner is stopped by Sleep Timer or Off Timer every time, filter cleaning will be performed approximately once a week.
<p>Noise occurred during filter cleaning operation</p>	<ul style="list-style-type: none"> • A whirring motor noise is generated due to driving of the cleaning unit. • A sweeping sound is generated when the cleaning unit sweeps the dust.
<p>Cleaning unit stops halfway</p>	<ul style="list-style-type: none"> • Are the micro mesh stainless filter, the dust catcher correctly installed? ((FILTER CLEAN) indicator lit for 4 seconds/off for 1 second)
<p>Micro mesh stainless filter is still dirty</p>	<ul style="list-style-type: none"> • Filter may not be cleaned evenly depending on the environment in which the air conditioner is used. To solve this problem, clean the micro mesh stainless filter. • Depending on dust amount, the micro mesh stainless filter may not be completely cleaned by manual filter cleaning operation performed at your preferred time while filter cleaning operation is prohibited.

TROUBLESHOOTING (continued)

PLEASE CHECK THE FOLLOWING BEFORE SERVICE

Signal cannot be received (Remote controller display is dim or blank)	• Do the batteries need replacement?
	• Is the polarity of the inserted batteries correct?
Operation does not start	• Is the fuse blown out or circuit breaker tripped?
	• Is there a blackout? (Operation remains idle after a blackout.)
Does not cool well Does not heat well	• Is the micro mesh stainless filter blocked with dust?
	• Is the set temperature suitable?
	• Have the horizontal air deflector been adjusted to the correct positions according to the operation mode selected?
	• Are the air inlets and air outlets of indoor and outdoor units blocked?
	• Is the fan speed "LOW" or "SILENT"?
(FILTER CLEAN) indicator blinks	• Check "filter cleaning operation".

FROSTWASH OPERATION

Frostwash operation does not start	Is the total operation time of the air conditioner beyond about 42 hours when the air-conditioner is operated for about 30 minutes and stopped?
	It does not wash when outside temperature is less than about 1 degrees Celsius or more than 43 degrees Celsius. It does not wash when the humidity in the room is about 30% or less or about 70% or more. When "FROSTWASH" is done by operating a remote controller, it does not wash when the room temperature is less than about 10 degrees Celsius or more than about 32 degrees Celsius.
	Does not change to non-automatic "FROSTWASH"?
	Does it happen after "sleep" and "time off"? → Automatic "FROSTWASH" interval becomes longer. Please operate manual "FROSTWASH" with remote controller.
	Within 60 minutes after the end of "FROSTWASH", "FROSTWASH" is not operated for product protection.
	Does it happen after "sleep" and "time off"? → Automatic "FROSTWASH" interval becomes longer. Please operate manual "FROSTWASH" with remote controller.
Noise occurred during frostwash operation	It is the sound that the internal machine is inflated and contracted by the temperature change and the fin of the heat exchanger is frozen and thawed
 (FROSTWASH) indicator blinks	Repeat for 1 second on and 1 second off for 10 seconds Because "FROSTWASH" can not work when operating the "FROSTWASH" with remote controller. <ul style="list-style-type: none"> • The air conditioner is operating • Outside air temperature, room temperature and room humidity are not suitable for "FROSTWASH" • It has not been over 60 minutes since the end of "FROSTWASH"
	Repeat for 4 seconds on and 1 second off for 15 seconds Because it is not "FROSTWASH" for a long time. → Operate the remote controller to operate "FROSTWASH".

TROUBLESHOOTING (continued)

THE FOLLOWING CASES DOES NOT INDICATE MALFUNCTION

Odors	Caused as the smells and particles of smoke, food, cosmetics, etc. present in room air become attached the unit and blown off into the room again.
In heating operation, ☀️ (HEATING) indicator blinks	Indicates preheating or defrosting operation is underway
🧼 (FILTER CLEAN), ❄️ (FROSTWASH), indicators lit after the operations	Indicates fliter clean or frostwash operation is underway.
Hissing or fizzy sound	Refrigerant flow noise in the pipe or valve sound generated when flow rate is adjusted.
Squeaking noise	Noise generated when the unit expands or contracts due to temperature changes.
Rustling sound	Noise generated with the indoor unit fan's rpm changing such as operation start times.
Clicking sound	Noise of the motorized valve when the unit is switched on.
Operation sound changes	Operation noise changes due to power variations according to room temperature changes.
Mist emission	Mist is generated as the air within the room is suddenly cooled by conditioned air.
Steam emitted from outdoor unit	Water generated during defrosting operation evaporates and steam is emitted.
Outdoor unit continues to operate even if operation is stopped and ☀️ (HEATING) indicator blinks	Auto fresh defrosting is activated (as the heating operation is stopped, the microcomputer checks frost accumulated in the outdoor unit and instructs the unit to perform automatic defrosting if necessary).
Preset temperature cannot be reached	Depending on the number of person in the room and the conditions of the room, actual room temperature may deviate slightly from the remote controller's setting.

TROUBLESHOOTING (continued)

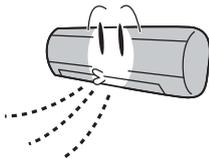
CONTACT YOUR SALES AGENT IMMEDIATELY ON FOLLOWING CASES

In the event that any trouble or phenomenon listed below still occurs even after a check has been conducted according to the troubleshooting procedures on page 59-61 disconnect the power plug from the outlet (or switch off the circuit breaker) and immediately contact your sales agent.

- The circuit breaker switches off or the fuse blows frequently.
- The switch operation is not stable.
- Foreign matter or water accidentally enters the unit interior.
- The power cord gets excessively hot or its insulation is torn or stripped.
- ⊖ (TIMER) indicator on the indoor unit display blinks.

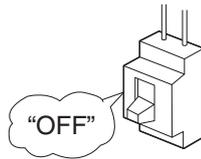
IF THE UNIT WOULD NOT BE USED FOR A LONG PERIOD OF TIME (MORE THAN 1 MONTH), PLEASE FOLLOW THE STEPS BELOW FOR MAINTENANCE

1 Dry the interior of the indoor unit.

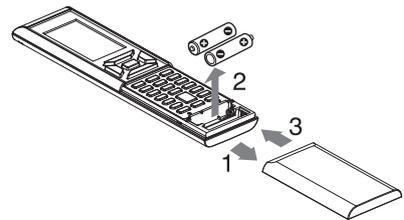


- On a sunny day, perform fan operation for approximately one half day. Mold can easily grow if air conditioner is not used for a long period of time while its inside is left wet.

2 Turn off the circuit breaker.



3 Remove the batteries from the remote controller.



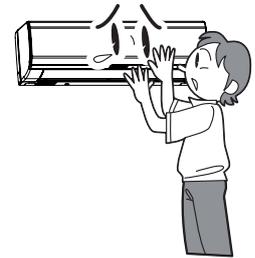
REGULAR INSPECTION

PLEASE CHECK THE FOLLOWING POINTS EVERY EITHER HALF YEARLY OR YEARLY. CONTACT YOUR SALES AGENT SHOULD YOU NEED ANY HELP.

	<p style="text-align: center;">  WARNING </p>	<p>Is the unit's earth line connected correctly?</p> <p>Please make sure earth line is connected correctly.</p> <ul style="list-style-type: none"> • If the earth line is disconnected or faulty, it may result in malfunction or electric shock.
	<p style="text-align: center;">  WARNING </p>	<p>Is the mounting frame stable?</p> <p>Check to see if the mounting frame has rusted excessively or if the outdoor unit has tilted or become unstable.</p> <ul style="list-style-type: none"> • If the outdoor unit collapsed or fell, it could cause injury.

INSPECTION AND MAINTENANCE

Air conditioner is designed to perform automatic filter cleaning and frostwash to maintain the interior of air conditioner clean. However, the interior of air conditioner may get dirty and the air conditioning performance may be lowered after air conditioner is used for a few seasons.



 **CAUTION**

Beside maintenance, please perform inspection as well

Dust deposited inside the indoor unit may block the drainage path of dehumidified water and could result in water dripping.

- Maintenance inspection is recommended in addition to ordinary cleaning.

Request your sales agent for maintenance inspection

Maintenance inspection requires technical expertise. Use of commercially available cleaning agent may cause crack on resin part and clogging of drainage path, which could result in water dripping and electrical shock.

- Consult your sales agent for inspection and maintenance.

