

HITACHI

Inspire the Next

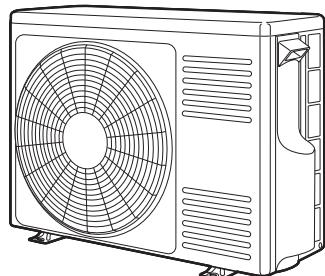
SPLIT TYPE AIR CONDITIONER

INDOOR UNIT/OUTDOOR UNIT



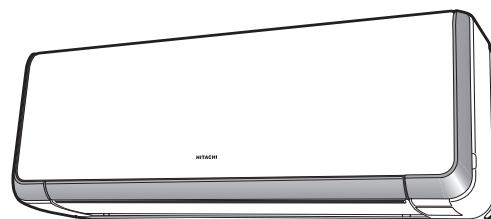
MODEL
RAS-SX10HYK / RAC-SX10HYK
RAS-SX13HYK / RAC-SX13HYK

OUTDOOR UNIT

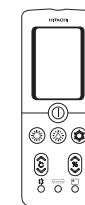


RAC-SX10HYK
RAC-SX13HYK

INDOOR UNIT



RAS-SX10HYK
RAS-SX13HYK



Instruction manual

Page 1~52

To obtain the best performance and ensure years of trouble free use, please read this instruction manual completely.

使用說明書

請詳細閱讀這本使用說明書以了解正確的使用安裝方法，使機器長久發揮最高性能。

53 ~ 103頁

SAFETY PRECAUTION

- 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.)

	This sign in the figure indicates prohibition.		Indicates the instructions that must be followed.
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- Please keep this manual after reading.

PRECAUTIONS DURING INSTALLATION

	<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. 		PROHIBITION
	<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 or fire. 		CONNECT EARTH LINE
	<ul style="list-style-type: none"> • Be sure to use the specified piping set for R410A. Otherwise, this may result in broken copper pipes or faults. 		
	<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. 		PROHIBITION
	<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. 		PROHIBITION
	<ul style="list-style-type: none"> • Please ensure smooth flow of water when installing the drain hose. 		
	<ul style="list-style-type: none"> • Make sure that a single phase 220V power source is used. The use of other power sources may cause electrical components to overheat and lead to fire. 		PROHIBITION

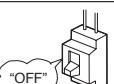
PRECAUTIONS DURING SHIFTING OR MAINTENANCE

	<ul style="list-style-type: none"> • Should abnormal situation arise (like burning smell), please stop operating the unit and remove plug from the socket. Contact your agent. Fault, short circuit or fire may occur if you continue to operate the unit under abnormal situation. 		"OFF"
	<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. 		

PRECAUTIONS DURING OPERATION

	<ul style="list-style-type: none"> • Avoid an extended period of direct airflow for your health. 		PROHIBITION
	<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. 		PROHIBITION
	<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 and turn off the circuit breaker. 		PROHIBITION

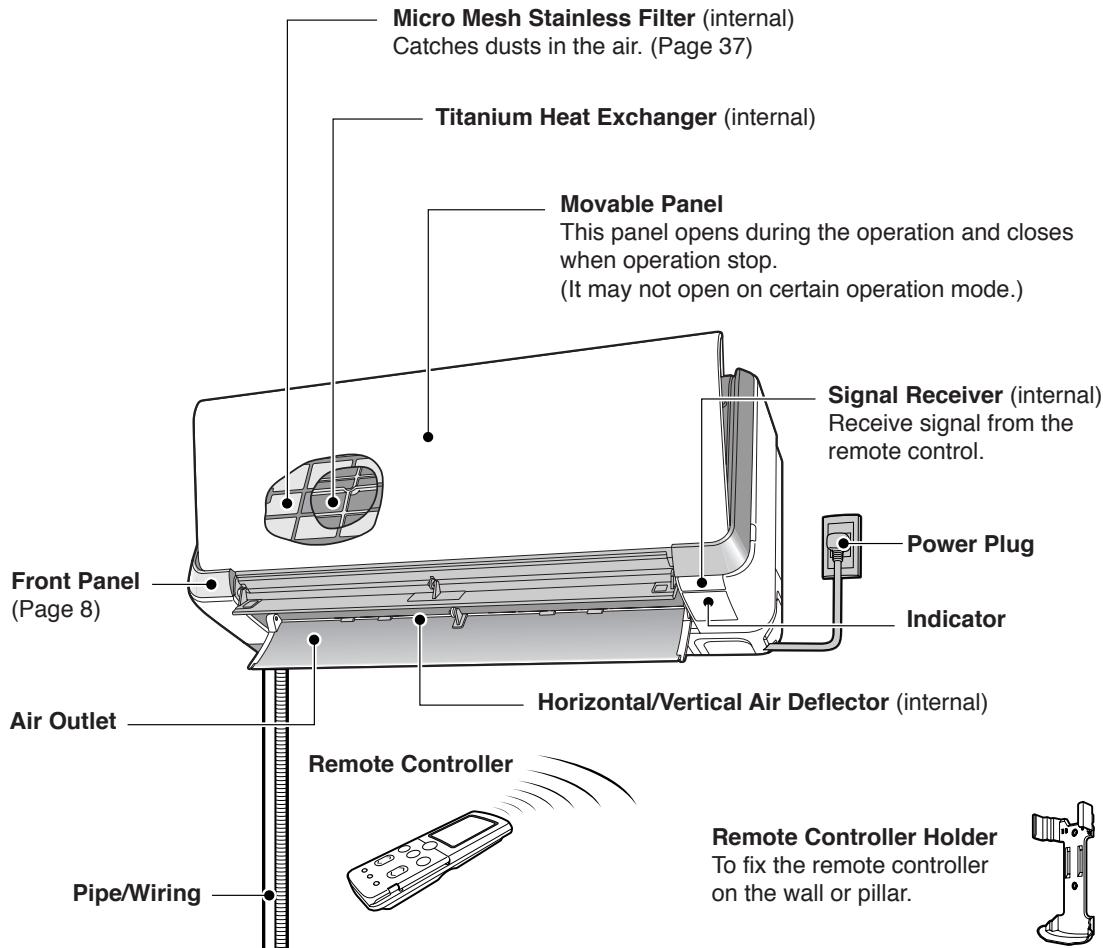
PRECAUTIONS DURING OPERATION

CAUTION	<ul style="list-style-type: none"> The product shall be operated under the manufacturer specification and not for any other intended use. 	 PROHIBITION
	<ul style="list-style-type: none">  DONT 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
	<ul style="list-style-type: none">  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
	<ul style="list-style-type: none">  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 directly under the airflow as it is bad for the plants. 	 PROHIBITION
	<ul style="list-style-type: none">  "OFF"  <ul style="list-style-type: none"> Be sure to stop the operation by using the remote controller and turn off the circuit breaker during cleaning, the high-speed fan inside the unit may cause danger. 	 
	<ul style="list-style-type: none"> Turn off the circuit breaker if the unit is not be operated for a long period. 	 "OFF" 
	<ul style="list-style-type: none">  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
	<ul style="list-style-type: none">  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"> 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
	<ul style="list-style-type: none">  DON'T TOUCH <ul style="list-style-type: none"> Do not touch the air outlet, bottom surface and aluminium 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

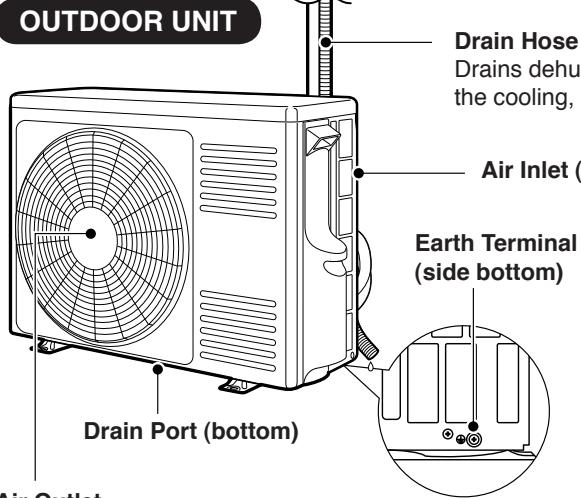
NAMES AND FUNCTIONS OF EACH PART

INDOOR UNIT

(Understanding The Operating Mechanism, page 43)



OUTDOOR UNIT



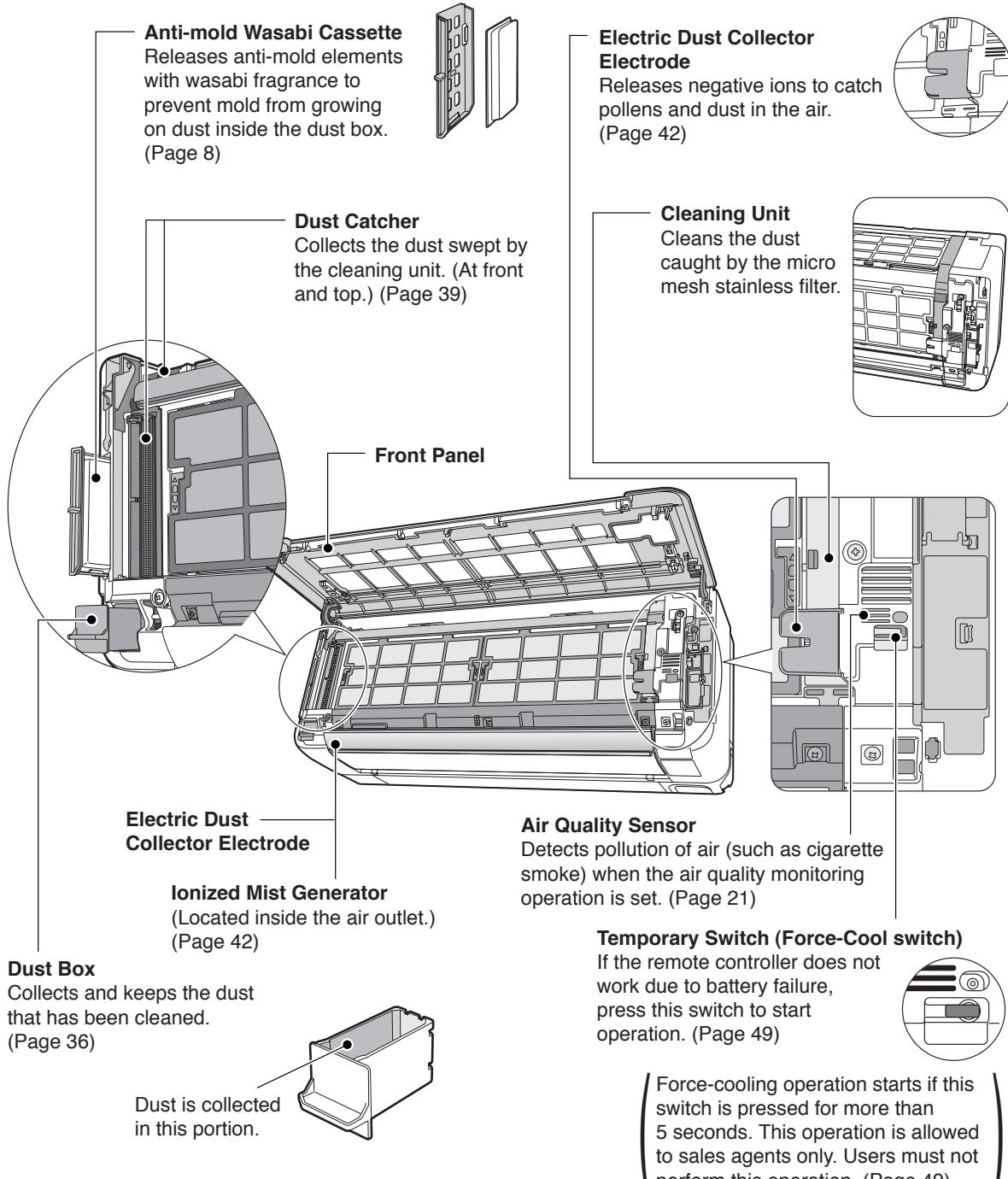
Air Outlet
Discharges cool air when in heating mode and warm air when in cooling and dry cool modes, and warm or cold air when in the dehumidifying mode.

ABOUT OUTDOOR UNIT

- Even if the operation is stopped, the outdoor unit fan continues to rotate for 10~60 seconds to cool down the electrical parts.
- In heating operation, condensed water and defrosted water is discharged from the outdoor unit. Do not block the drain port as the water in the drain may freeze in a cold area.
- Even during cooling operation, the water condensed in the pipe, etc. may flow out from the outdoor unit.
- When installing the outdoor unit under eaves, etc. of the apartment, install a bush and drain pipe on the drain port for drainage treatment.

INDOOR UNIT CONTROL PANEL / CLEANING UNIT

Open the front panel to operate. (How to open the front panel, page 8)



- While the power is on, a very small amount of power is consumed within the control circuit even when the unit is not in operation.

Power can be saved if the circuit breaker is switched off.

CAUTION

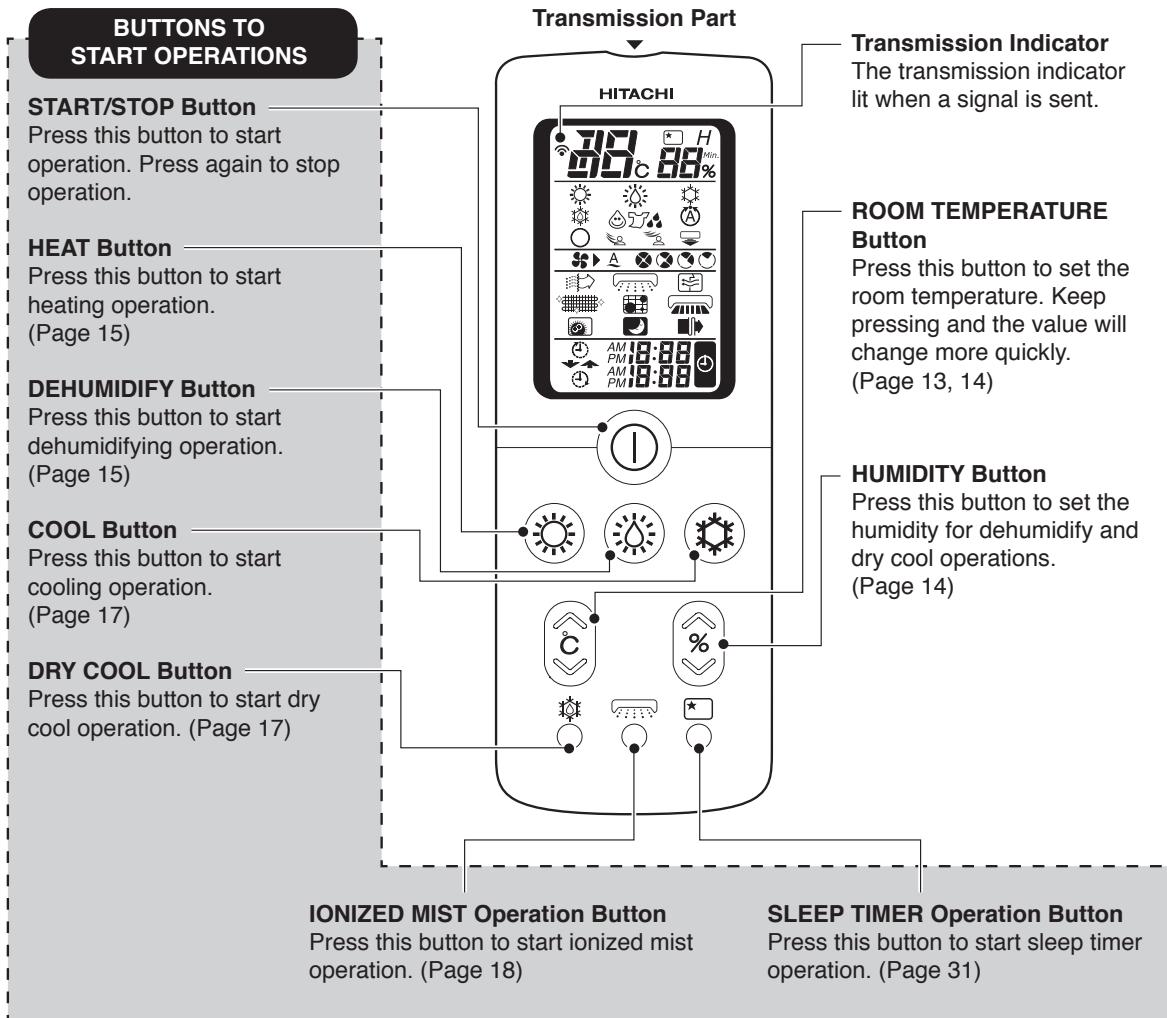
Pull out the power plug if the unit is not in use for a long period.
(Or turn off the circuit breaker.)

NAMES AND FUNCTIONS OF EACH PART (continued)

REMOTE CONTROLLER

Transmits the operation and timer settings to the indoor unit.

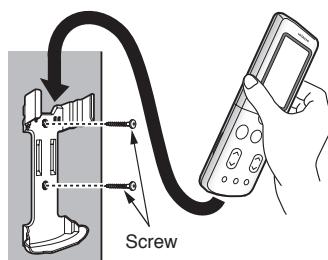
The LCD shown in the illustration below is the display immediately after the reset switch is pressed. Usually not all the data are displayed. On the LCD shown below, the functions not available for this room air conditioner are also displayed.



Remote controller can be used when it is fixed on a wall or pillar using the remote controller holder. Before fixing it, make sure the indoor unit can be controlled from the remote controller fixing point.

Attach the remote controller

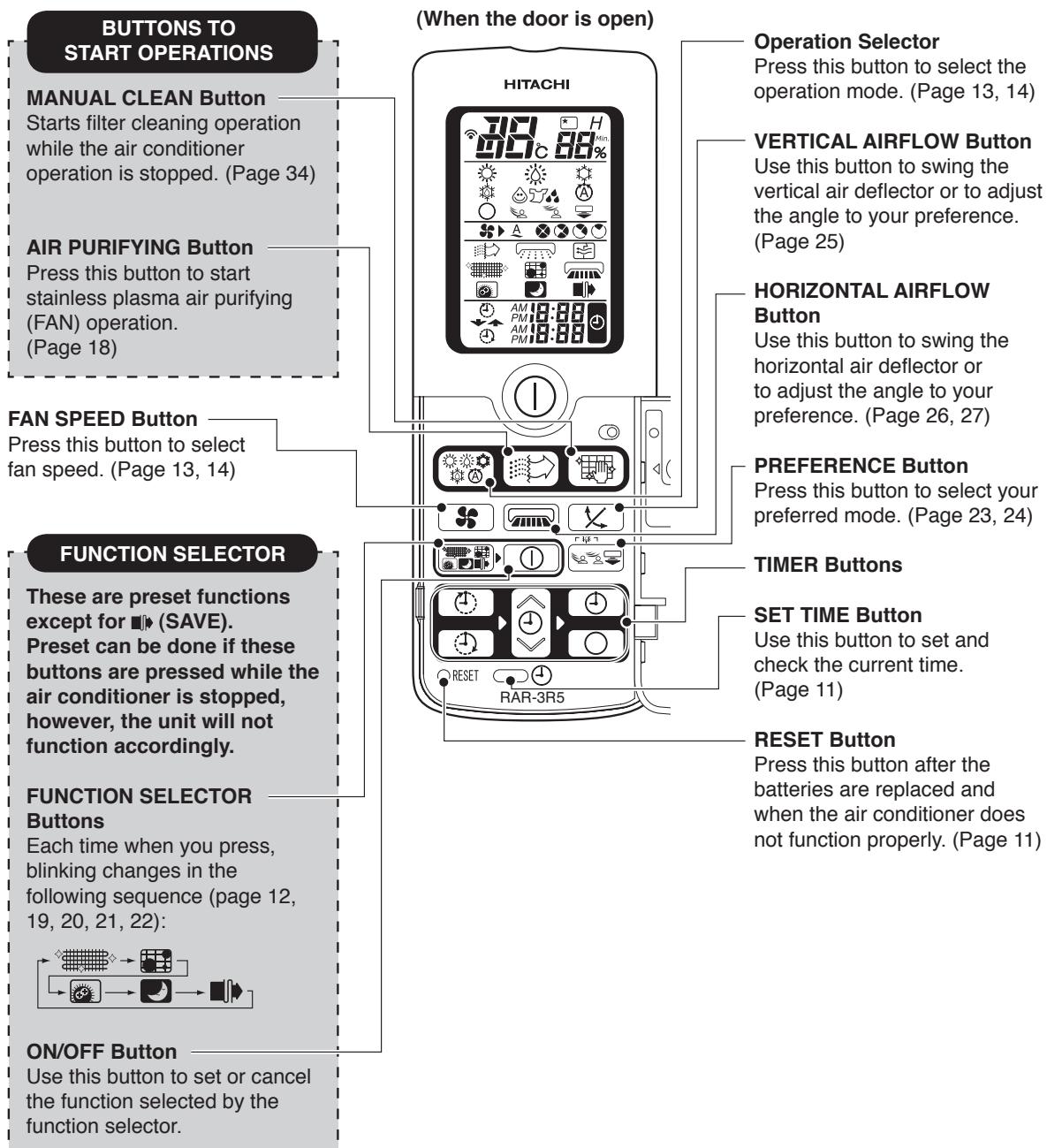
- Insert from above.



Take out the remote controller

- To remove, hold the upper part of the remote controller and pull it up.
- Do not remove the remote controller by twisting it left and right. Doing so could result in coming off of the rear cover.

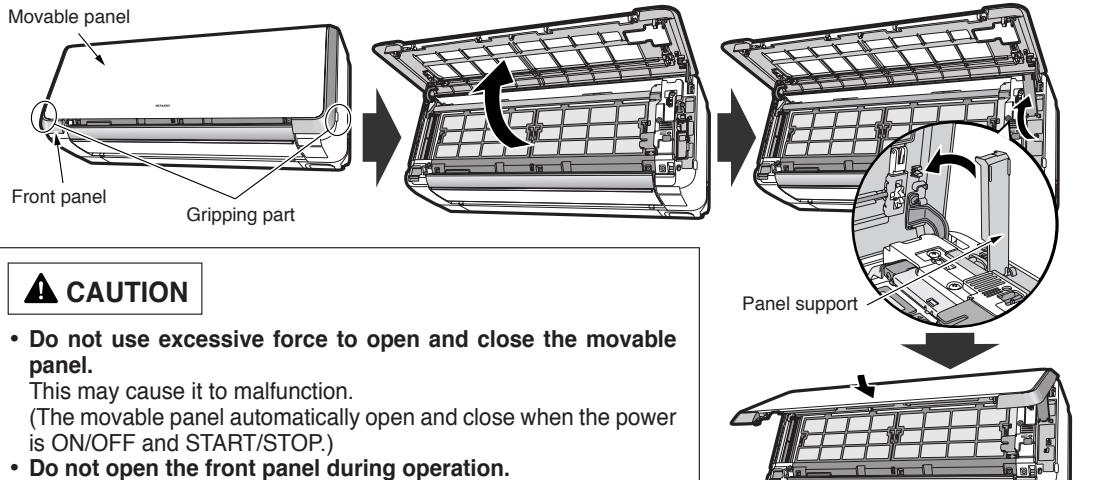




INSTALLING ANTI-MOLD WASABI CASSETTE

1 Open the front panel.

- Do not hold the movable panel when opening and closing the front panel.
- Hold and lift up the front panel.
- Push up the panel support until it clicks to lock it.



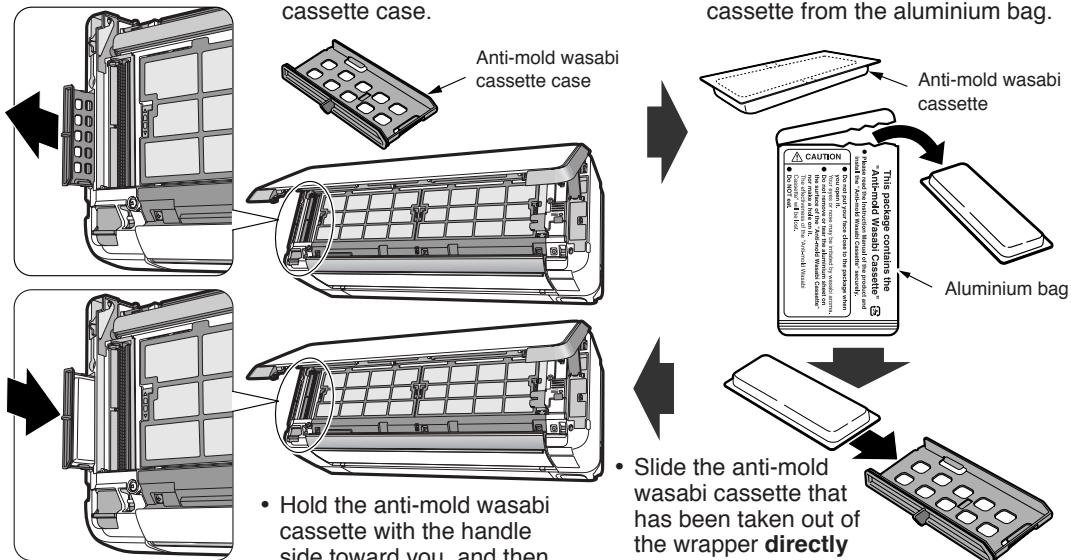
CAUTION

- Do not use excessive force to open and close the movable panel.
This may cause it to malfunction.
(The movable panel automatically open and close when the power is ON/OFF and START/STOP.)
- Do not open the front panel during operation.
It may interrupt the movable panel to work properly. Be sure to stop the operation first before opening the front panel.

- Lower the front panel and fix in position with the panel support.

2 Install the anti-mold wasabi cassette.

- Pull out the anti-mold wasabi cassette case.



- Hold the anti-mold wasabi cassette with the handle side toward you, and then install it into the unit.

- Take out the anti-mold wasabi cassette from the aluminium bag.

- Slide the anti-mold wasabi cassette that has been taken out of the wrapper directly into the anti-mold wasabi cassette case.

CAUTION

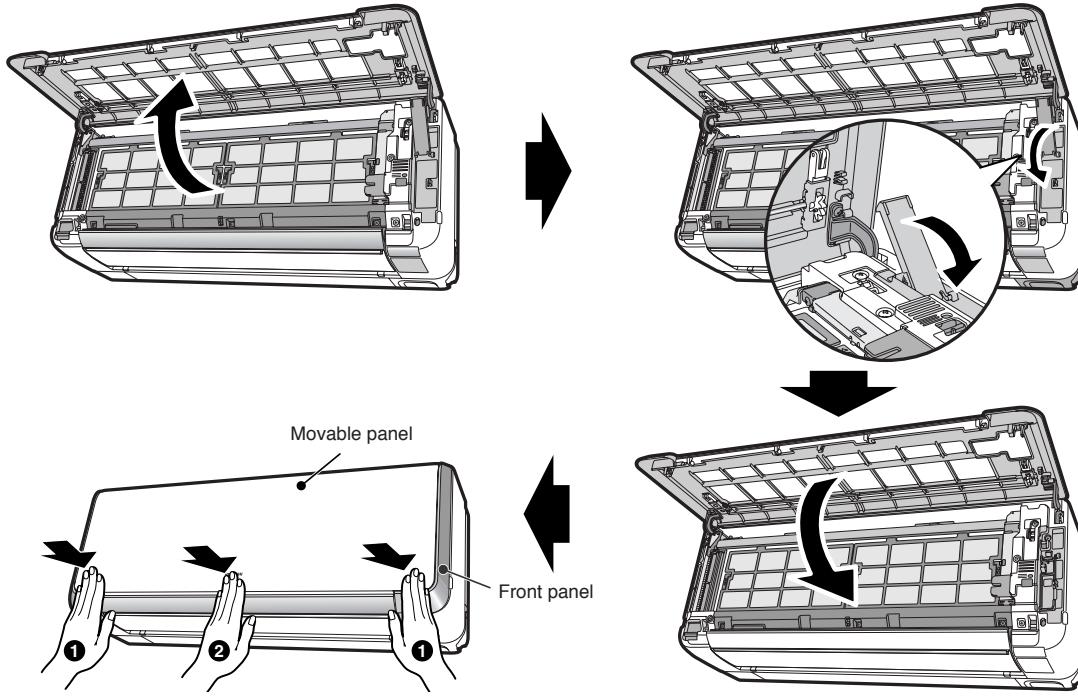
- Do not put your face close to the package when you open it.
Your eyes or nose may be irritated by wasabi aroma.
- Do NOT eat.

Do not remove or tear the aluminium sheet on the surface nor make a hole on it.

No daily maintenance is required. However, the effectiveness of anti-mold wasabi cassette will be lost after approximately 10 years have elapsed. Replace the anti-mold wasabi cassette in such event.

3 Close the front panel.

- Hold and lift up the front panel.
- Push down the panel support until it clicks.

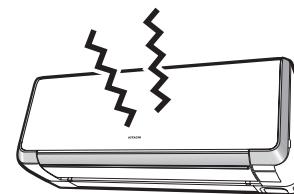


- Push the both ends of the front panel first and then its center until it clicks.

- Pull it downward.

! CAUTION

- If the front panel is not closed properly, the (CLEAN) indicator blinks during filter cleaning operation and stainless plasma air purifying operation. These operations will not perform properly if the front panel is not closed securely. Also, the movable panel will not work properly on cooling operation, etc.
- 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.



FILTER CLEANING UNIT OPERATION CHECK

1

Make sure the power plug is firmly plugged into the power outlet.

⚠ WARNING

- Be sure to use the power outlet exclusively for air conditioner

Use of other power outlet may cause heat, which could result in fire.



- Make sure that dust is not deposited on the power plug and be sure to plug in until the blades of the plug are fully inserted to avoid unstable plug-in and dust from being accumulated

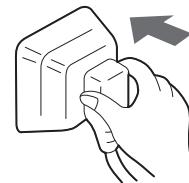
Use of air conditioner with dusty power plug or improper power connection could result in electrical shock or fire.

⚠ CAUTION

Do not operate with wet hands



It may cause electric shock.

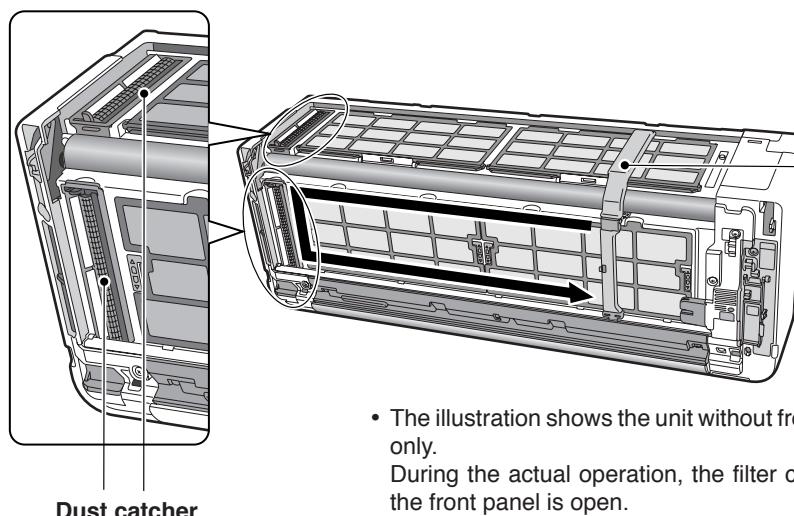
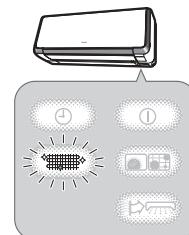


2

Performing operation check after the power is turned on.

Perform the filter cleaning unit operation check

- After the power is turned on (after the power plug is inserted into the power outlet or after the circuit breaker is switched on after power failure), the cleaning unit makes one cycle of back and forth movement.
- At this time, the (CLEAN) indicator is lit.
- One cycle of operation check will take approximately 7 minutes.
- During the operation check, the unit performs "Fan" operation while the movable panel and horizontal air deflector remain closed.
- If the (CLEAN) indicator blinks (lit for 4 seconds/off 1 second) after the operation check, refer to "Troubleshooting" on page 45.



- The illustration shows the unit without front panel for your reference only.
During the actual operation, the filter cleaning is not performed if the front panel is open.

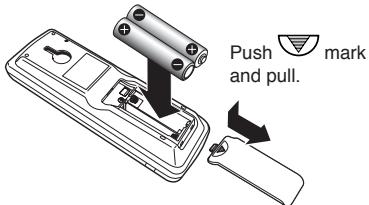
⚠ CAUTION

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

PREPARE THE REMOTE CONTROLLER

1 Install the batteries.

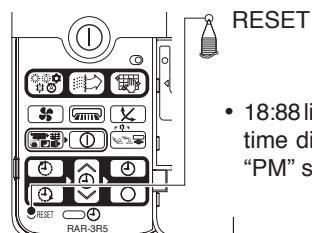
- Use two AAA-size batteries.



CAUTION

1. Do not mix new and old batteries, or different type of batteries together.
2. Remove the batteries when you do not use the remote controller for 2 or 3 months.

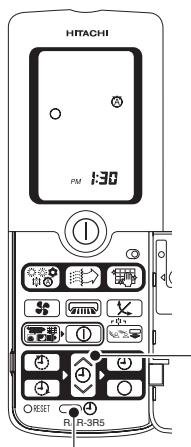
2 Open the cover and press the RESET button with a sharp tip item.



- 18:88 lights up on the current time display and "AM" and "PM" start blinking.



3 Set the current time (Ex: set to 1:30 p.m.)



Press the (TIMER) button to adjust to the current time.

- You can fast forward the time by continuously pressing the button.



2

Press (SET TIME) button to set the current time.

- "AM" or "PM" is lit instead of blinking. It automatically goes off in 10 seconds.

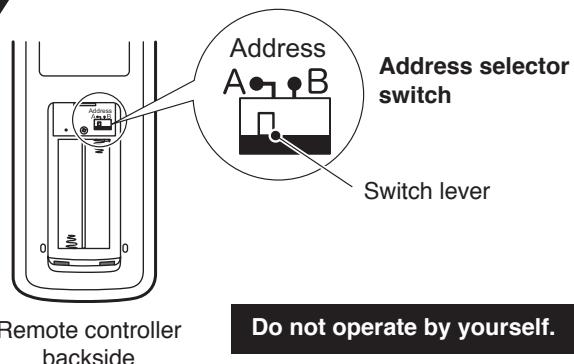


■ Confirm the current time

- Press the (SET TIME) button to check the current time. If necessary, readjust the time following the above procedure ① and ②.

ABOUT ADDRESS SELECTOR SWITCH

- Address selector switch is used to prevent remote controller signal interference in such circumstance where 2 indoor units are used in the same room. This switch is not usually used. (The factory setting is at "A" side.) For this setting, please make an inquiry to your sales agent.

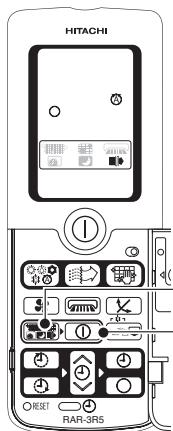


PREPARE THE REMOTE CONTROLLER (continued)

4

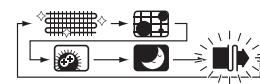
Ampere setting (Standard/Save) can be selected.

If you experience frequent circuit breaker tripping, set ampere to "Save" to avoid this problem.
(Ampere is set to "Standard" at the time of purchase.)



1

Press the (FUNCTION SELECTOR) button until (SAVE) blinks.



2

While (SAVE) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.

- A short beep sounds and (SAVE) indicator turns on.

RELEASE

Press the (FUNCTION SELECTOR) button again until (SAVE) blinks.

While (SAVE) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.

- A short beep sounds and (SAVE) indicator turns off, indicates the setting is released.

■ Notes for "save" setting

- If ampere is set to "Save", the maximum heating capacity slightly lowers and starting up of heating operation will take a little longer. Besides, the preset temperature may not be reached if outside temperature is low. (If ampere is set to (SAVE), the air conditioner will be in limited operation at 6(A)).

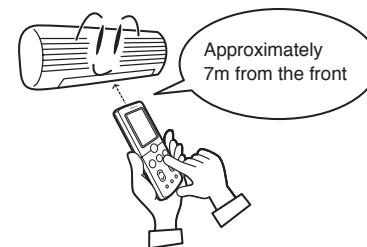
WHEN OPERATING THE REMOTE CONTROLLER

• Point the remote controller to the signal receiver of the unit

Signal reception distance is approximately 7m in front of the unit. However, this distance may be shorter or the signal may not be receivable if there is an electronic lighting device in the same room.

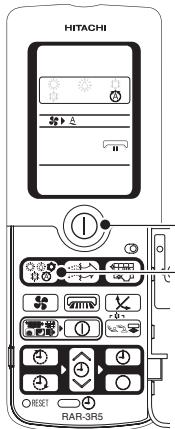
• Handle the remote controller with care

Dropping it or getting it wet may compromise its signal transmission capability. After new batteries are inserted into the remote controller, the unit require approximately 10 seconds before it can respond to commands and begin operation.



AUTOMATIC OPERATION

Based on the room temperature and outside temperature, the unit determines the most suitable operation mode (heating, dehumidifying or cooling) and a comfortable temperature. (Set the current time on the remote controller before starting operation.)



1

Press the (OPERATION SELECTOR) button to set the operation mode to auto.

- Every time you press it, the mode will change as shown in the chart on the right.

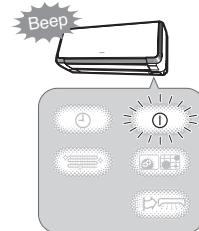
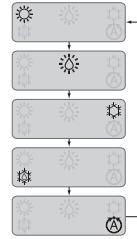
2

Press the (START/STOP) button.

STOP

Press the (START/STOP) button again.

- A short beep sounds and the automatic operation stops.
- Operation mode will be displayed on the remote controller display.



AUTOMATIC OPERATION

Heating

- Performs heating operation when the room temperature is below 23°C.
Set the temperature to be around 23°C.

Dehumidifying

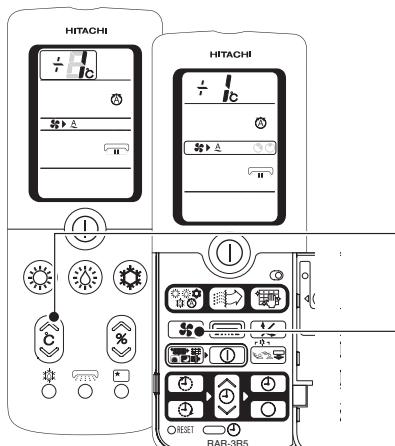
- Performs dehumidifying operation when the room temperature is 23~26°C.
The preset temperature will be the room temperature at the time of start of air conditioner operation.

Cooling

- Performs cooling operation when the room temperature is above 27°C.
Set the temperature to be around 27°C.

※ Even if dehumidifying operation is set, the air conditioner may not execute dehumidifying if the room humidity is not very high. This is not a malfunction.

Room temperature and fan speed can be adjusted to your preference.



1

Adjust the room temperature



Press the (ROOM TEMPERATURE) button.



- Every time you press it, a short beep sounds and the temperature will change by 1°C.
- is displayed if the temperature is set higher than the automatically set room temperature by 1°C.
- is displayed if the temperature is set lower than the automatically set room temperature by 1°C.
- The adjustable temperature range is not higher or lower than 3°C of the automatically set room temperature.
- Humidity setting cannot be adjusted.

2

Select the fan speed

Press the (FAN SPEED) button.

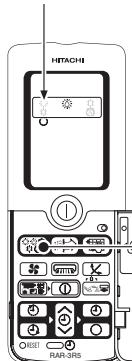
- "AUTO", "LOW" and "SILENT" can be selected.
- Every time you press it, the mode will change as shown in the chart on the right.



MANUAL OPERATION (HEATING, DEHUMIDIFYING, COOLING, DRY COOL)

1 Select the operation mode.

One of them lights up.

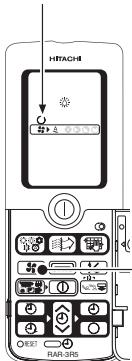


Press the (OPERATION SELECTOR) button.

- Any one of Heating/Dehumidifying/ Cooling/Dry Cool/Auto can be selected.
- To start fan operation, perform stainless plasma air purifying (FAN) operation. (Page 18)
- If the (OPERATION SELECTOR) button is pressed during operation, a double short beep is heard on auto mode while a single short beep is heard on other mode.

2 Set the fan speed.

One of them lights up.

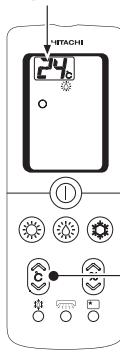


Press the (FAN SPEED) button.

- Any one of "AUTO", "HI", "MED", "LOW", "SILENT" can be selected. Fan speed indication disappears in approximately 10 seconds if the operation is not started.
- If the (FAN SPEED) button is pressed during operation, a double short beep is heard on auto mode while a single short beep is heard on other mode.

3 Set the room temperature.

Lights up.



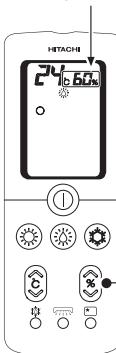
Increase
 Decrease

Press the (ROOM TEMPERATURE) button.

- Room temperature indication disappears in approximately 10 seconds if the operation is not started.
- If the (ROOM TEMPERATURE) button is pressed during operation, a double short beep is heard at 20°C, a triple short beep at 30°C, and a single short beep on other temperature.

4 Set the humidity (only for dehumidifying and dry cool modes).

Lights up.



Increase
 Decrease

Press the (HUMIDITY) button.

- The humidity can be set in increments of 5%.
- Humidity indication disappears in approximately 10 seconds if the operation is not started.

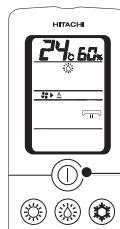
■ Remote controller temperature setting range

Heating, Cooling, Dry Cool	16~32°C
Dehumidifying	10~32°C

■ Humidity setting range

40~70%

5 Operation starts.



Press the (START/STOP) button.

STOP

Press the (START/STOP) button again.

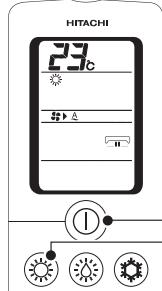
- A short beep sounds and the operation stops.
- From next time, the operation that has been set on the above procedure ①~④ can be performed just by pressing the (START/STOP) button.

Use the air conditioner following the operation conditions outlined below.

Heating	Dehumidifying	Dry Cool	Cooling
<ul style="list-style-type: none"> Outdoor temperature -20°C~21°C (When it is below -20°C or over 24°C, the heating function may not operate in order to protect the device.) Do not use cooling operation in winter. 	<ul style="list-style-type: none"> Outdoor temperature 1°C~35°C (Operation does not start if the room temperature is below 1°C.) 	<ul style="list-style-type: none"> Outdoor temperature 25°C~35°C 	<ul style="list-style-type: none"> Outdoor temperature 22°C~43°C

HEATING OPERATION

Press the  (HEAT) button to start heating operation.



Press the  (HEAT) button.

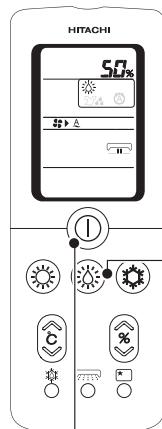
- **Adjust the room temperature and fan speed to your preference.**
Temperature range between 16°C~32°C can be set. (Page 14)

Press the  (STOP) button.

- A short beep sounds and heating operation stops.

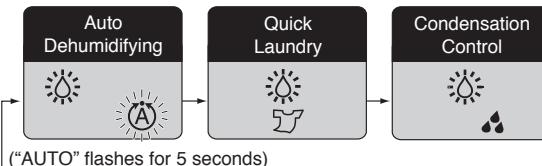
DEHUMIDIFYING OPERATION

3 types of dehumidifying operations can be performed by pressing the  (DEHUMIDIFY) button.
Performs powerful dry operation without lower down the room temperature.



Press the  (DEHUMIDIFY) button.

- Every time you press the  (DEHUMIDIFY) button, the mode will change as shown in the chart below.



( (MIST / AIR PURIFYING) indicators also turn on during quick laundry operation.)

- In auto dehumidifying mode, fine adjustment of room temperature (page 13), humidity adjustment and fan speed selection (page 14) can be made to your preference. Every time you press the ROOM TEMPERATURE button, the temperature will change by 1°C. (Temperature setting range is not higher or lower than 3°C.) Every time you press the HUMIDITY button, the humidity will change by 5%. (Humidity setting range is 40%~70%.)
- In quick laundry mode, fine adjustment of room temperature (page 13) and fan speed selection (page 14) can be made to your preference. (Fine adjustment of room temperature and humidity adjustment cannot be made in condensation control mode.)

 (STOP)

Press the  (STOP) button.

- A short beep sounds and dehumidifying operation stops.

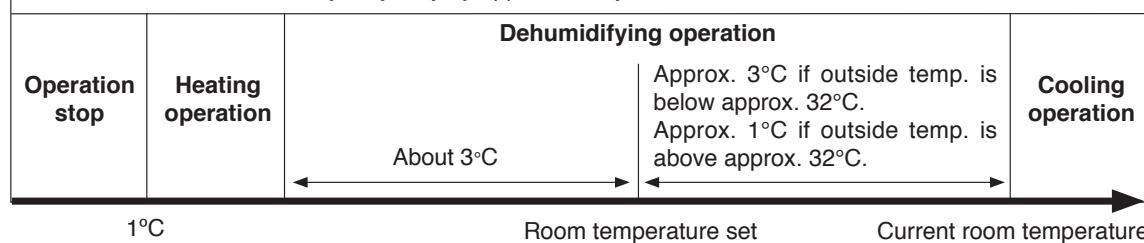
- After the dehumidifying operation is stopped, the remote controller will display the operation mode that had been set before the  (DEHUMIDIFY) button was pressed.

DEHUMIDIFYING OPERATION (continued)

Operation mode	In this situation	Operating mechanism
Auto Dehumidifying	• In damp weather	<ul style="list-style-type: none"> In most of the cases, the room temperature at the time the button is pressed becomes the preset temperature. (When room temperature is below 12°C, set 13°C. When it is 13°C~22°C, set +2°C. When it is below 23°C~26°C, set room temperature. When it is above 26°C, set 26°C) Target humidity is around 50~60%. If the humidity becomes lower than the target value, operation stops. If it becomes higher than the target value, operation resume. The operation mode may automatically be switched to cooling or heating for temperature control. (Refer to table below)
 Quick Laundry	• To dry the laundry quickly	<ul style="list-style-type: none"> Detects outdoor temperature, room temperature and humidity to automatically select the most suitable combination of heating and powerful dehumidifying operations. This operation is performed together with stainless plasma air purifying operation. Priority is given to laundry drying. Be sure use this mode when no one is in the room as the room temperature and humidity will be high temporarily. 3-hour timer function is used for this operation mode.
 Condensation Control	• When controlling condensation formed on windows in winter time	<ul style="list-style-type: none"> To control the condensation, priority is given to the operation for lowering humidity. Therefore, the room temperature goes down in this operation mode. The operation stops if the room temperature becomes 1°C or below. 2-hour timer function is used for this operation mode.

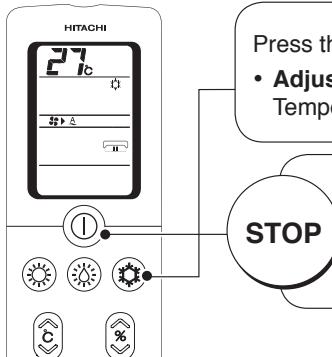
- Be careful when condensation control operation is performed if the outside temperature is low as it will lower the room temperature.
- ⌚ (OFF TIMER) and ⌚ (ON TIMER) (page 28), which are to be set using clock function, are not available during dehumidifying (quick laundry and condensation control modes) operation. However, the timer (for 30 minutes and 1-9 hours) can be set for quick laundry and condensation control modes with the ⌛ (SLEEP) button.
- To set to your desired temperature and humidity while executing dehumidifying, it is recommended to use manual dehumidifying function. (Page 14)
- If you do not wish room temperature to be too high when drying the laundry, use the preference (Powerful) mode instead of quick laundry mode. (Page 24)

The operation mode may automatically be switched to cooling or heating for temperature control.
At this time, the room humidity may vary by approximately 10%.



COOLING OPERATION

Press the  (COOL) button to start cooling operation.



Press the (COOL) button.

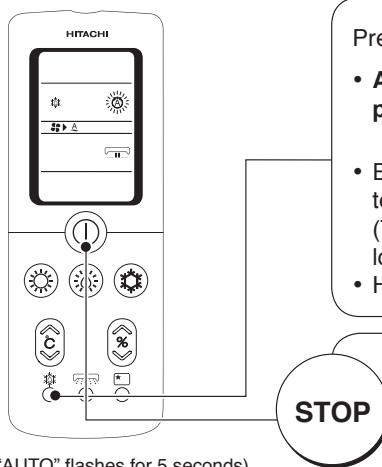
- **Adjust the room temperature and fan speed to your preference.** (Page 14)
Temperature range between 16°C~32°C can be set.

Press the ① (START/STOP) button.

- A short beep sounds and cooling operation stops.

DRY COOL OPERATION

When you operates cooling operation with the dry function, press the  (DRY COOL) button, the air conditioner automatically sets temperature and humidity in dry cool mode.



Press the (DRY COOL) button.

- Adjust the room temperature (page 13) and fan speed (page 14) to your preference.

- Every time you press the  (ROOM TEMPERATURE) button, the temperature will change by 1°C.
(Temperature setting range from the auto set temperature is not higher or lower than 3°C.)
 - Humidity setting cannot be adjusted.

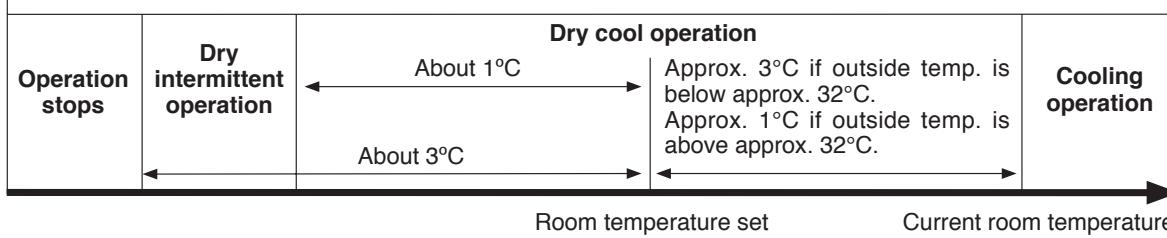
Press the (I) (START/STOP) button.

- A short beep sounds and dry cool operation stops.

(“AUTO” flashes for 5 seconds)

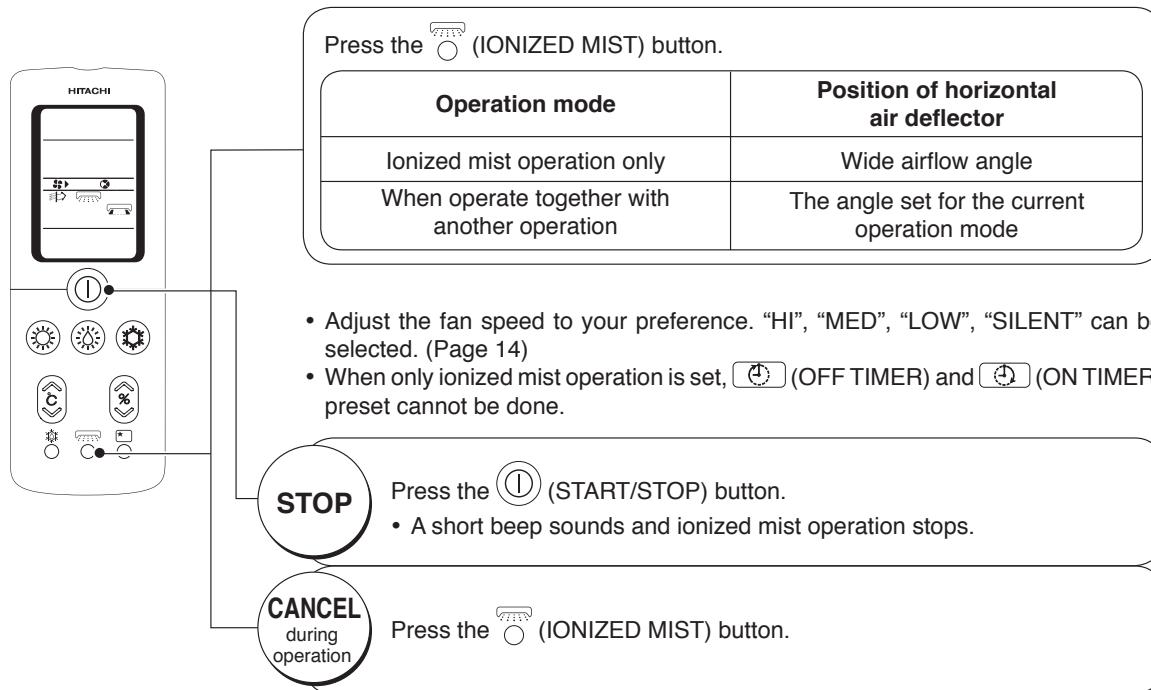
Temperature to be set	Based on the detected outside and room temperature, the temperature is set on an hourly basis within the range of 24~28°C.	<ul style="list-style-type: none"> Even if the room temperature reached the preset temperature, the air conditioner may continue to operate if the preset humidity has not been reached.
Humidity to be set	50% when temperature above 27°C is set. 55% when temperature of 26°C is set. 60% when temperature below 25°C is set.	

The operation mode may automatically be switched to cooling or heating for temperature control. If the room temperature is lower than the preset temperature, intermittent operation (repeat of operation state and stop state) is performed to avoid excessive lowering of temperature and to control the humidity.



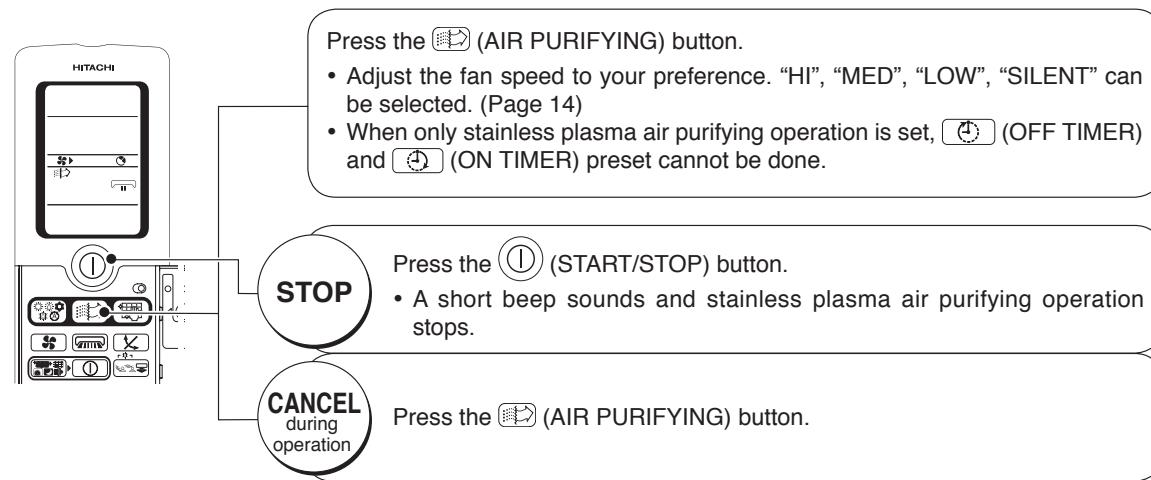
IONIZED MIST OPERATION

- Stainless plasma air purifying and ionized mist operations have an effect of reducing unpleasant smell of the wall and curtain in the room and controlling bacteria suspended in the air.
- If the ionized mist operation is set while the air conditioner is in operation, the ionized mist operation will operate together with another operation.
- ※ Ionized mist is generated using the air in the room. It may not be generated depending on the temperature and humidity. (It may take approximately 30 minutes to 1 hour for ionized mist generation.)



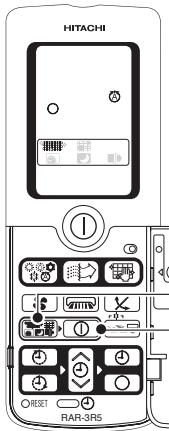
STAINLESS PLASMA AIR PURIFYING (FAN) OPERATION

- Stainless plasma air purifying (Fan) operation is the combined operation mode of the fan operation and the electric dust collector operation.
- If the stainless plasma air purifying mode is set while the air conditioner is in basic operation mode, the air purifying function by the electric dust collector will operate together.

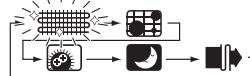


INTERNAL CLEANING OPERATION

The internal cleaning operation is automatically performed after cooling, dehumidifying or dry cool operation to control mold growth by configuring the  (INTERNAL CLEAN) operation. (There is no mold removing function and disinfecting/sterilizing effect.)

**1**

Press the  (FUNCTION SELECTOR) button until  (INTERNAL CLEAN) blinks.

**2**

While  (INTERNAL CLEAN) is blinking, point the remote controller towards the unit and press the  (ON/OFF) button.

- A short beep sounds and  (INTERNAL CLEAN) indicator turns on at the remote controller.
- It will automatically stop after 1 hour of operation.

STOP

Press the  (FUNCTION SELECTOR) button again until  (INTERNAL CLEAN) blinks.

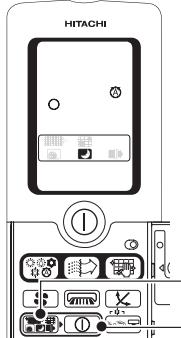
While  (INTERNAL CLEAN) is blinking, point the remote controller towards the unit and press the  (ON/OFF) button.

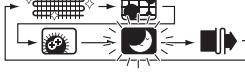
- A short beep sounds and  (INTERNAL CLEAN) indicator turns off on the remote controller.

- Internal cleaning operation is not performed if the duration of cooling, dehumidifying or dry cool operation is too short (below approximately 10 minutes).
- If the internal cleaning mode is set, the internal cleaning operation will automatically start when cooling, dehumidifying or dry cool operation is stopped. During internal cleaning, the heating operation and fan operation (with stainless plasma air purifying) are performed to control the mold growth inside the indoor unit.
- While  (ON TIMER) is set, internal cleaning operation is not performed from 2 hours before the preset time.
- Internal cleaning operation is not performed if the air conditioner operation is stopped in any of the following conditions below.
(heating operation, stainless plasma air purifying operation, quick laundry operation and  (OFF TIMER) stop under condensation control operation, operation stopped by  (SLEEP) button.)

SLEEP OPERATION

By configuring  (SLEEP) operation while the sleep timer is set for auto, heating, dehumidifying, cooling and dry cool modes, the air conditioner supports your comfortable sleeping environment.

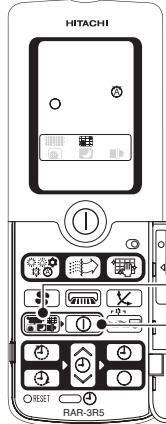


- 1** Press the  (FUNCTION SELECTOR) button until  (SLEEP) blinks.

- 2** While  (SLEEP) is blinking, point the remote controller towards the unit and press the  (ON/OFF) button.
 - A short beep sounds and  (SLEEP) indicator turns on on the remote controller.
- STOP** Press the  (FUNCTION SELECTOR) button again until  (SLEEP) blinks.
While  (SLEEP) is blinking, point the remote controller towards the unit and press the  (ON/OFF) button.
 - A short beep sounds and  (SLEEP) indicator turns off on the remote controller.

- When in cooling operation, the temperature and humidity will be controlled in combination with dehumidifying operation.
- When in dehumidifying or dry cool mode, temperature is controlled to a comfortable level with the preset humidity target level of 60%.
- When in heating operation, temperature is controlled in the same manner as ordinary sleep mode.
- When in automatic operation, a control is executed according to the operation mode set by the auto function.

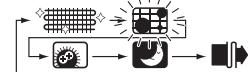
AIR QUALITY MONITOR OPERATION

The air quality sensor detects pollution of the air in the room and the air conditioner automatically performs the stainless plasma air purifying operation in the event the air is not clean.



1

Press the (FUNCTION SELECTOR) button until (AIR QUALITY MONITOR) blinks.



2

While (AIR QUALITY MONITOR) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.

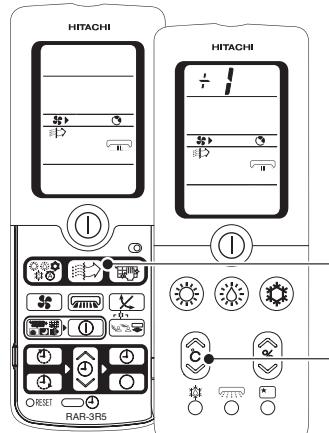
- Preset the air quality monitor operation.
- During the air quality monitor operation, (MONITOR) and (MIST/AIR PURIFYING) indicators on the indoor unit turn on.

CANCEL

Press the (FUNCTION SELECTOR) button again until (AIR QUALITY MONITOR) blinks.

While (AIR QUALITY MONITOR) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.

- A short beep sounds and (AIR QUALITY MONITOR) indicator turns off on the remote controller.
- The (MONITOR) indicator on the indoor unit turns off.



Value (sensitivity) can be selected from 7 levels.

Press the (AIR PURIFYING) button when operation stops.

- Perform the stainless plasma air purifying operation.
- Fan speed can be (HI), (MED) or (LOW).



Sensitivity increase
Sensitivity decrease

Use the (ROOM TEMPERATURE) button to select sensitivity.

- is displayed when sensitivity is increased by 1 level.
- is displayed when sensitivity is decreased by 1 level.
- Adjustable range is 7 levels from +3 to -3.
- Indication of +3 to -3 turns off in approximately 10 seconds.

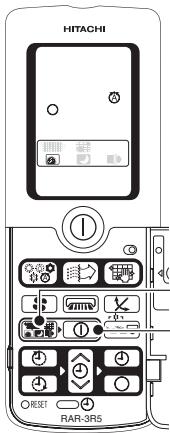
STOP

Press the (START/STOP) button.

- The air quality sensor detects air pollution includes cigarette smoke, spray (insecticide, etc.) and alcohol.
- When air quality monitoring mode is set during basic air-conditioning operation, air purifying operation is performed in addition to the basic air-conditioning operation.
- Air quality monitoring operation is a preset function. Even if air quality monitoring is preset, the actual operation will be performed only when air pollution is detected.
- The setting of air quality monitoring mode is valid for 2 weeks from the last remote control operation.
(If any remote control operation is performed while (AIR QUALITY MONITOR) is set, the preset air quality monitoring mode is valid for 2 weeks from such remote control operation.)
Once the above mentioned 2 weeks have elapsed, the (MONITOR) indicator on the indoor unit turns off.
(However, (AIR QUALITY MONITOR) indication on the remote controller remains on. If the (MONITOR) indicator on the indoor unit is off, please reset or cancel the air quality monitoring mode.)

MOLD MONITOR OPERATION

The air conditioner detects indoor temperature and humidity. Once the temperature and humidity reaches to a level conductive to mold growth, the dehumidifying and stainless plasma air purifying operations automatically start.

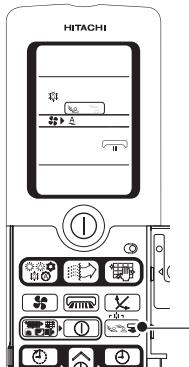


- 1** Press the (FUNCTION SELECTOR) button until (MOLD MONITOR) blinks.
 - 2** While (MOLD MONITOR) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.
 - Preset the mold monitor operation.
 - During the mold monitor operation, (ON/OFF), (MONITOR) and (MIST/AIR PURIFYING) indicators on the indoor unit turns on.
- CANCEL**
- Press the (FUNCTION SELECTOR) button again until (MOLD MONITOR) blinks.
While (MOLD MONITOR) is blinking, point the remote controller towards the unit and press the (ON/OFF) button.
 - A short beep sounds and (MOLD MONITOR) indicator turns off on the remote controller.
 - The (MONITOR) indicator on the indoor unit turns off.

- Mold monitoring operation is a preset function. Even if mold monitoring mode is preset, the actual operation will be performed only when the detected temperature and humidity has reached the level conducive to mold growth.
- The setting of mold monitoring mode is valid for 2 weeks from the last remote control operation.
(If any remote control operation is performed while (MOLD MONITOR) is set, the preset mold monitoring mode is valid for 2 weeks from such remote control operation.)
Once the above mentioned 2 weeks have elapsed, the (MONITOR) indicator on the indoor unit turns off.
(However, (MOLD MONITOR) indication on the remote controller remains on. If the (MONITOR) indicator on the indoor unit is off, please reset or cancel the mold monitoring mode.)
- When mold monitoring mode is set, the fan operation is performed for approximately 3 minutes once every approximately 20 minutes and the room temperature and humidity are detected.
(The movable panel and horizontal air deflector remain closed when temperature and humidity are detected.)
- In the first cycle of mold monitoring operation, dehumidifying operation is performed for 4 hours consecutively if the detected temperature and humidity are 10°C and more and 70% and more, respectively. From the second cycle onwards, dehumidifying operation is performed if the detected temperature and humidity reach the above mentioned level and will stop once the humidity has gone down.
- For the duration of 20 minutes after mold monitoring operation temporarily stops, the mold monitoring operation is not performed immediately even if mold monitoring mode remains set and the humidity exceeds 70%.
- There is no function to remove mold that has grown.

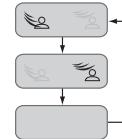
PREFERENCE (COOLER/WARMER) OPERATION

- When the  (PREFERENCE) button is pressed during the dry cool operation activated by  (DRY COOL) button, the air conditioner performs the preference (Cooler/Warmer) operation.
- When "Cooler" is set in the preference operation, the airflow will be extended so that the air can reach even further. (Extended Airflow)



Press the  (PREFERENCE) button during dry cool operation.

- A short beep sounds and the preference (Cooler/Warmer) operation starts.
Every time you press it, the mode will change as shown in the chart on the right.
- Cannot be set on dry cool operation during manual operation. (Page 14)



CANCEL

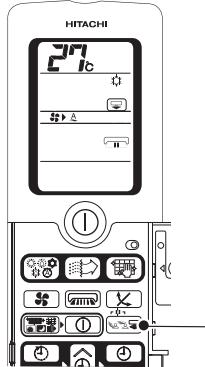
Press the  (PREFERENCE) button until "COOLER/WARMER" indicator turns off on the remote controller.

- This operation mode can be set only during dry cool operation which has been activated by pressing the  (DRY COOL) button. It is not available during manual dry cool operation.

Operation mode	Operating mechanism
Cooler	<ul style="list-style-type: none"> Temperature is set lower than the preset temperature by approximately 1°C. Airflow direction is set to downwards so that users can feel the airflow.
Warmer	<ul style="list-style-type: none"> Temperature is set higher than the preset temperature by approximately 1°C. Airflow direction is set to upwards direction to prevent direct airflow.

POWERFUL OPERATION

- By pressing the  (PREFERENCE) button during auto, heating, dehumidifying, cooling or stainless plasma air purifying operation, the air conditioner performs the "Powerful" operation.
- The airflow will be extended so that the air can reach even further during powerful operation.
(Extended Airflow)



Press the  (PREFERENCE) button during operation.

- A short beep sounds and the preference (Powerful) operation starts.
( (POWERFUL) indicator lit on the remote controller.)

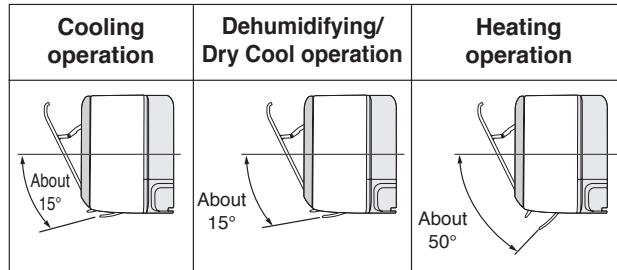
Press the  (PREFERENCE) button again.

-  (POWERFUL) indicator turns off on the remote controller.

Operation mode	In this situation	Operating mechanism
Heating	<ul style="list-style-type: none">• When you want the room to be a little warmer	<ul style="list-style-type: none">• Set approximately 2°C higher than the preset temperature. Powerful heating operation is performed.
Dehumidifying	<ul style="list-style-type: none">• When you want the room to be less humid	<ul style="list-style-type: none">• Powerful dehumidifying operation is performed aiming to achieve humidity of approximately 40%.
Cooling	<ul style="list-style-type: none">• When you want a little cooler air• When you want the room to be a little cooler	<ul style="list-style-type: none">• Set approximately 3°C lower than the preset temperature. Powerful cooling operation is performed.
Dehumidifying	<ul style="list-style-type: none">• When you want to remove humidity a little faster	<ul style="list-style-type: none">• High speed dehumidifying operation is performed aiming to achieve humidity of approximately 40%.
Auto Dehumidifying		<ul style="list-style-type: none">• Laundry drying efficiency is enhanced.
Quick Laundry		<ul style="list-style-type: none">• Condensation-control efficiency is enhanced.
Condensation Control		

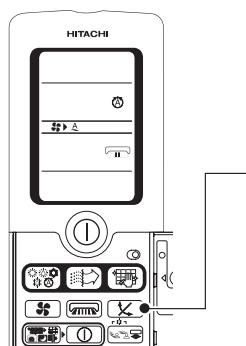
ADJUSTING THE VERTICAL AIRFLOW DIRECTION

Please operate with the remote controller. (Moving by hands may cause malfunction.)



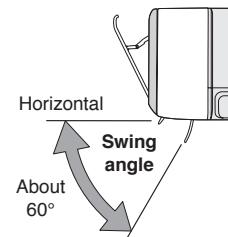
Set automatically

- Air conditioner automatically set to the suitable angle for each operation (Horizontal air deflector only. The angle of the vertical air deflector is set to the front). Usually vertical airflow direction control is not required.
- If room temperature and humidity continue to be high during cooling, dehumidifying or dry cool operation, the angle of horizontal air deflector may change to prevent dripping of condensed water.



Vertical airflow swing

- When the (VERTICAL AIRFLOW) button is pressed, a short beep sounds and the vertical air deflector repeats swinging.
- When the air conditioner stops operation, the swing of the vertical air deflector also stops and the air outlet closes.
- If the operation resumes, the vertical air deflector is automatically set to the suitable angle for each operation.
- Even if the swing mode is set, the vertical air deflector may stop swinging depending on the room temperature and humidity. (Page 27)
(It may take approximately 10 seconds for the air deflector to start moving. This is due to the checking operation to set the air deflector to the correct angle.)



Vertical air flow of your preference

- To set the vertical airflow direction to your desired angle, press the (VERTICAL AIRFLOW) button to move the vertical air deflector, and press the (VERTICAL AIRFLOW) button again to stop air deflector at your desired angle.

Press the (VERTICAL AIRFLOW) button.

- A short beep sounds and the vertical air deflector repeats swinging.
(Vertical airflow swing)

Press the (VERTICAL AIRFLOW) button again at your preferred angle.

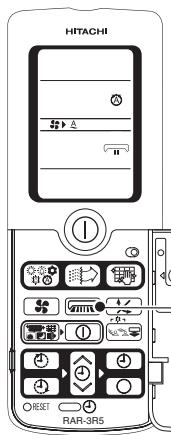
- The swing stops at the position where the button is pressed.
- The air outlet closes if the operation of air conditioner stops. The horizontal air deflector will be set to your preferred angle when the operation resumes.
- If the operation mode is changed, the horizontal air deflector will automatically be set to the proper angle suitable for the newly set mode.

CAUTION

DO not operate long hours with cooling, dehumidifying, dry operation, airflow swing operation nor the vertical air deflector in downward state.

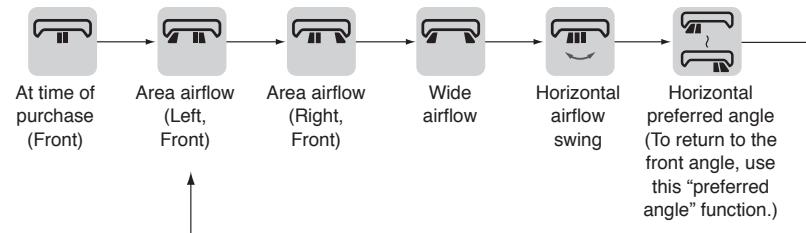
Some dew may form on the vertical air deflector and drop which may wet your furniture.

ADJUSTING THE HORIZONTAL AIRFLOW DIRECTION



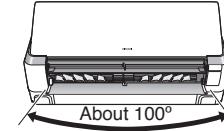
Adjust the horizontal airflow direction

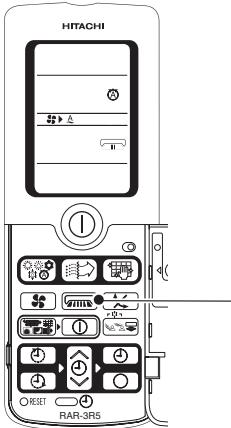
- The angle of horizontal airflow direction is set to the front at the time of purchase.
- Every time the button is pressed, the mode of the horizontal air deflector changes as below.
- A short beep sounds and the angle of the horizontal air deflector changes.



Wide airflow ()

- When  (WIDE AIRFLOW) is displayed on the remote controller, the horizontal air deflector is set to the wide airflow angle.
- The fan speed is increased during the wide airflow operation.
- Even if wide airflow has been set, the angle of horizontal air deflector may change in the event the room temperature and humidity continue to be high during cooling, dehumidifying or dry cool operation. The angle will change back to wide airflow once the temperature and humidity have been lowered by the air conditioning operation.





Horizontal airflow swing

- While the horizontal air deflector is swinging, the display on the remote controller changes as below. The horizontal air deflector repeats swinging. (Display on the remote controller and the actual movement of the horizontal air deflector are not synchronized with each other.)



- When the air conditioner operation is stopped and then resumed, the horizontal air deflector is set to the angle that had been set prior to its previous swinging action.
- Even if the swing mode is set, the horizontal air deflector may stop swinging depending on the room temperature and humidity. (Refer table below)

Horizontal angle of your preference

- To set the horizontal airflow direction to your desired angle, move the horizontal air deflector and press the (HORIZONTAL AIRFLOW) button again to stop air deflector's movement once it has reached your desired angle.

Press the (HORIZONTAL AIRFLOW) button again to fix your preferred angle during horizontal airflow swing.

- Fan speed may be increased depending on the angle of the horizontal air deflector.
- Even if the horizontal airflow direction has been adjusted to your desired angle, the angle of horizontal air deflector may change in the event the room temperature and humidity continue to be high during cooling, dehumidifying or dry cool operation. The angle will change back to your desired angle once the temperature and humidity have been lowered by the air conditioning operation.

CAUTION

Do not operate long hours with cooling, dehumidifying, dry cool operation and horizontal airflow swing operation.

Some dew may form on the horizontal air deflector and drop which may wet your furniture.

In the following cases, the swing stops even when vertical swing and horizontal swing are set.

In Heating operation	In Dehumidifying operation	In Dry Cool operation
<ul style="list-style-type: none"> During preheat operation. During defrost operation. When the room temperature reaches the temperature which had been set. 	<ul style="list-style-type: none"> When the humidity is reached to the humidity which has been set. When the room temperature is below 1°C. 	<ul style="list-style-type: none"> When the temperature is below the temperature which has been set and the operation is stop.

TIMER PRESET OPERATION

3 types of timers, \ominus (OFF TIMER) \leftrightarrow \oplus (ON TIMER), \ominus (OFF TIMER) and \oplus (ON TIMER) are available. Only one of these timers can be preset at a time.
Operation mode, temperature, humidity and fan speed, etc. must be set before setting the timer.

How to preset the timer

For \ominus (OFF TIMER) preset.....

- When \ominus (OFF TIMER) is set, the operation stops at the preset time.



For \oplus (ON TIMER) preset.....

- When \oplus (ON TIMER) is set, the operation starts so that the preset temperature is reached at the preset time.
- The air conditioner starts operation a maximum of 60 minutes before the preset time, depending on conditions including room temperature and preset temperature.



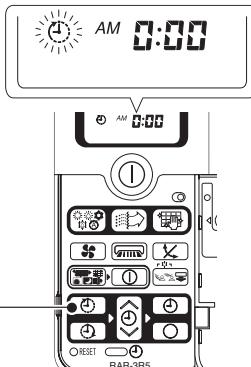
How to preset the \ominus (OFF TIMER) \leftrightarrow \oplus (ON TIMER)

(For example: When setting the timer to stop operation at 10:30 p.m. and your desired temperature is reached at 7:00 a.m.)

- The timer with earlier preset time will function first, based on the time at which the timer is set.

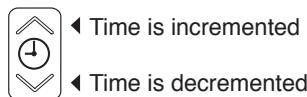
1 Press the \ominus (OFF TIMER) button.

- \ominus (OFF TIMER) blinks.
- 0:00 a.m. or the previous preset time is displayed.



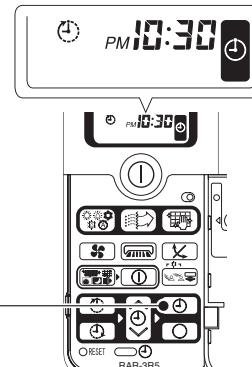
2 Press the \ominus (TIMER) button to set the time.

- Time can be set in increments of 10 minutes.
- The time can be fast-forwarded by continuously pressing the button.

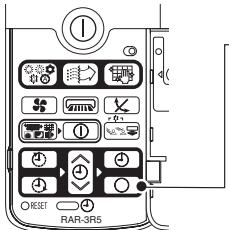


3 Press the \oplus (PRESET) button.

- A short beep sounds and the \ominus (OFF TIMER) is set.
- \ominus (OFF TIMER) indication stops blinking and lights up.
- \ominus (TIMER SET) will be displayed.
- The \ominus (TIMER) indicator on the indoor unit lights up.
- To change the preset time for \ominus (OFF TIMER), return to procedure ① and press the \ominus (OFF TIMER) button.



How to cancel the preset timer



Press the (CANCEL) button.

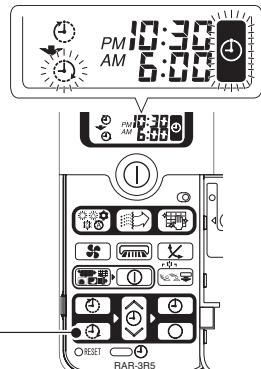
(All the preset timer will erase)

- (OFF TIMER) / (ON TIMER), which are to be set using the clock function, cannot be set during the operation set by the (IONIZED MIST) / (AIR PURIFYING) buttons or during the quick laundry or condensation control mode under (DEHUMIDIFY) operation.
- As the time settings are stored in memory in the remote controller, just press the (PRESET) button in order to use the same settings next time.

4

Press the (ON TIMER) button.

- (ON TIMER) blinks.
- 6:00 a.m. or the previous preset time is displayed.
- display indicates the sequence of (OFF TIMER) and (ON TIMER) function.



5

Press the (TIMER) button to set the time.

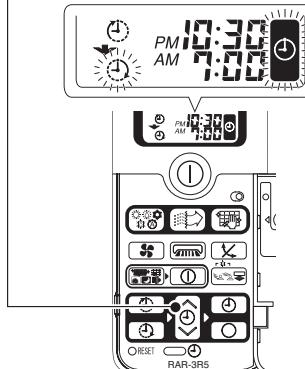
- Time can be set in increments of 10 minutes.
- The time can be fast-forwarded by continuously pressing the button.



◀ Time is incremented



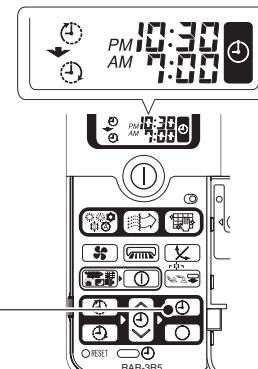
◀ Time is decremented



6

Press the (PRESET) button.

- A short beep sounds and the (ON TIMER) is set.
- (ON TIMER) indication stops blinking and lights up.
- (TIMER SET) will be displayed.
- The (TIMER) indicator on the indoor unit lights up.
- To change the preset time for (ON TIMER), return to procedure ④ and press the (ON TIMER) button.



FURTHER CONVENIENT TIMER FUNCTION

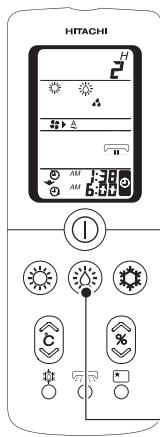
Dehumidifying (Condensation control) operation and  (ON TIMER) for heating operation can be set at the same time.

Dehumidifying (Condensation control) operation controls the condensation which may occur in the morning while  (ON TIMER) for heating operation warms up the room by the time you wake up.

Combination of (ON TIMER) and (DEHUMIDIFY) button

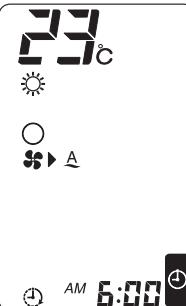
- Dehumidifying (Condensation control) operation and  (ON TIMER) for heating operation for the next morning can be set in combination before you go to sleep.

- The display below is shown in the case where  (ON TIMER) is set for heating operation and then dehumidifying operation (Condensation control) is executed at 11:38 p.m.



Preset the  (ON TIMER).

- When  (ON TIMER) is set, the air conditioner starts operation so that the preset room temperature is almost reached at the ON TIMER time. Check the settings of the air conditioners when you set the timer. (Page 28, 29)

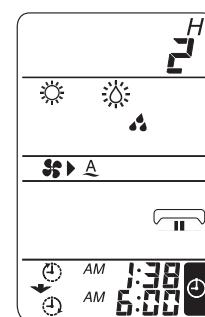


1

Press the  (DEHUMIDIFY) button.

( symbol is displayed)

- The dehumidifying (Condensation control) operation stops at 1:38 a.m., two hours after the start of the dehumidifying operation, and the heating operation starts in order to reach the preset temperature by 6:00 a.m.

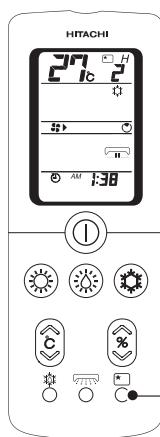


2

SLEEP TIMER OPERATION

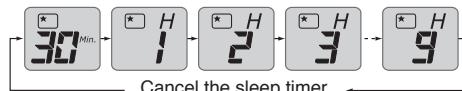
Configuring the fan speed appropriate for sleeping and stop the operation at specified time.

- The display below indicates sleep timer which is set for 2 hours at 11:38 p.m. and the turn off time will be 1:38 p.m.



Press the (SLEEP) button.

- Every time you press the (SLEEP) button, the mode will change as shown below.



Cancel the sleep timer

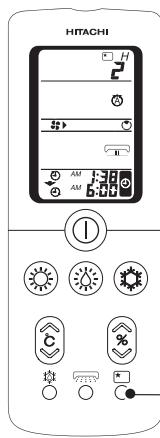
- Preset time of sleep timer and the time at which the operation stops will be displayed on the remote controller.
- Fan speed remain "SILENT" during sleep timer operation.

CANCEL

Press the (SLEEP) button or (CANCEL) button.

Combination of Sleep Timer and On Timer operation

- Set the operation to auto stop by sleep timer operation, it can be set to start the operation next morning by (ON TIMER). Set (ON TIMER) first and then press the (SLEEP) button.
- The display below indicates (ON TIMER) which is set at 6:00 a.m. and 2 hours sleep time at 11:38 p.m.



1

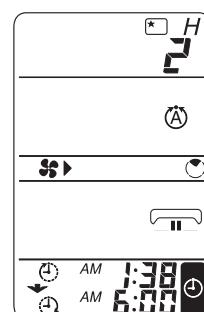
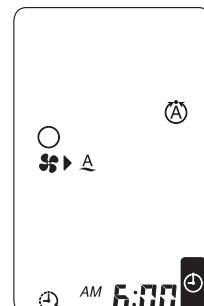
Preset the (ON TIMER).
(Page 28, 29)

2

Press the (SLEEP) button.

- The unit will turn off in 2 hours (at 1:38 a.m.) and will turn on in order to reach the preset temperature by 6:00 a.m.
- The time range of sleep timer operation should be set before (ON TIMER) time.

- When the sleep timer has been programmed, the unit will not operate even if the set time is reached unless the unit receives a signal from the remote controller. Confirm that Sleep Timer programming is complete (beep) and the (TIMER) indicator of the indoor unit turns on.



FILTER CLEANING OPERATION

(Filter Cleaning Unit Operation Check, page 10)

⚠ CAUTION

Do not put your fingers or a stick etc into the top part of the indoor unit during filter cleaning operation.

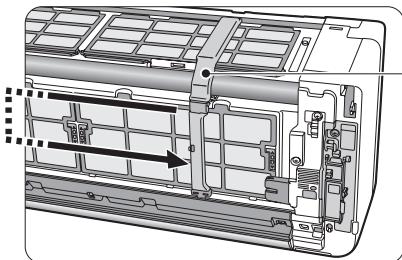
It may result in injury or malfunction.

1

Automatic filter cleaning operation

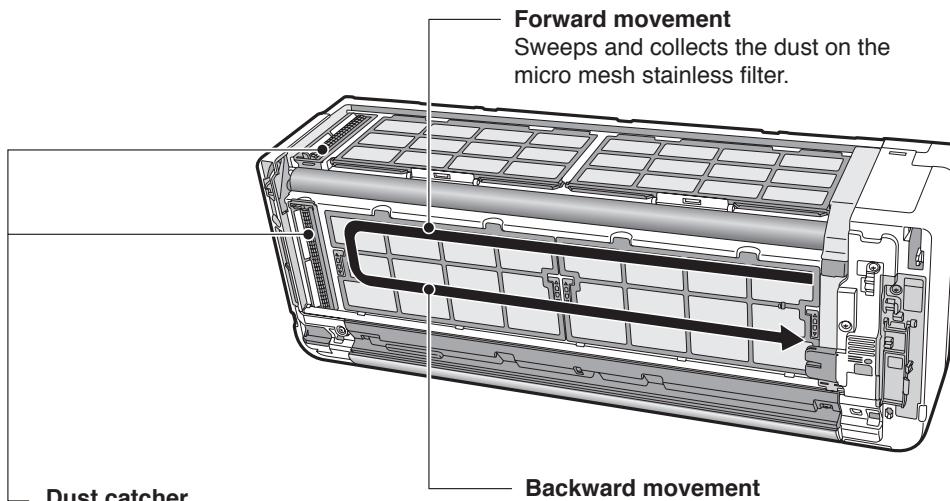
- Automatically cleans the micro mesh stainless filter when the basic air-conditioning operation such as cooling has ended. (Refer to page 33 for automatic filter cleaning operation)
- Automatic filter cleaning mode is set at the time of purchase.

※ During the actual operation, the filter cleaning is not performed if the front panel is open.



Cleaning unit

There is a filter cleaning wiper inside.



Forward movement

Sweeps and collects the dust on the micro mesh stainless filter.

Dust catcher

- (1) Cleaning unit collects the dust swept by the cleaning unit on its forth movement.
- (2) It turns over by the travelling force of the cleaning unit which is travelling back. At this time, the dust collected by the dust catcher is put into the dust box.

Backward movement

Once the filter cleaning operation has been completed, the cleaning unit returns to the position at which air conditioning operation is not obstructed.

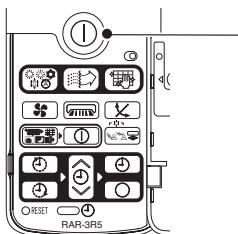
(Troubleshooting, page 45)

- 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 into the dust box.
- One cycle of filter cleaning operation will take approximately 7 minutes.
 -  (CLEAN) indicator lit during filter cleaning operation.
 - Movable panel and horizontal air deflectors remain closed when fan operation starts.

Conditions under which automatic filter cleaning is performed

- When the air conditioner operates for more than 15 minutes and stop, automatic filter cleaning is performed in one of the following conditions.
 - (1) Accumulated operating hours of the air conditioner have exceeded 10 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.
- If the air conditioner is in operation continuously, the operation is stopped and automatic filter cleaning operation is performed once 24 hours have elapsed.
After the completion of automatic filter cleaning, the operation will return to the operation mode which had been set prior to the automatic filter cleaning.
- 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, manual filter cleaning should be executed approximately once every 2~3 days. (Page 34)
However, if no manual filter cleaning is performed, automatic filter cleaning will be performed approximately once a week after the air conditioner operation is stopped by sleep timer or off timer function to protect the device.



About the noise during filter cleaning

- A whirring motor noise is generated due to driving of the cleaning unit.
- A clapping noise is generated when the dust catcher collects the dust swept by the cleaning unit.
- A clapping noise is generated when the dust catcher is turned over by the cleaning unit.
- A sweeping sound is generated when the cleaning unit sweeps the dust.

STOP

Press the  (START/STOP) button twice.

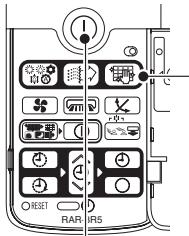
- Press  (START/STOP) button on the remote controller twice to stop the process of filter cleaning operation.

- The air blown from the air conditioner will become softer when the air conditioner is operated immediately after filter cleaning operation.
- Remove and clean the micro mesh stainless filter in the case where filter cleaning operation is prohibited. (Page 37)
- Only during the filter cleaning operation that was started by pressing the  (MANUAL CLEAN) button on the remote controller, the filter cleaning operation stops if the  (MANUAL CLEAN) button on the remote controller is pressed one more time.

FILTER CLEANING OPERATION (continued)

2 Manual filter cleaning operation

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



Press the (MANUAL CLEAN) button when the air-conditioner stops.

- 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 into the dust box.
- One cycle of filter cleaning operation will take approximately 7 minutes.
- During manual filter cleaning operation, movable panel and horizontal air deflectors remain closed when fan operation starts.

STOP

Press the (START/STOP) button twice.

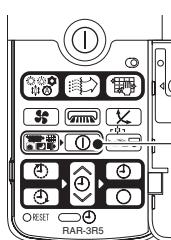
- Press (START/STOP) button on the remote controller twice to stop the process of filter cleaning operation.

3 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 approximately once every two years and throw the dust, if any. (Maintenance, page 36)
- Greasy dirt can also be cleaned by the combined function of filter cleaning and micro mesh stainless filter. If the dirt looks heavy, remove the micro mesh stainless filter, dust catcher and filter cleaning wiper to wash them with water. (Maintenance, page 36~42)

HOW TO PROHIBIT THE FILTER CLEANING OPERATION

- With the remote controller, you can make a setting in which no filter cleaning operation is performed.
- This setting should be made only when the air conditioner is stopped.



Press the (MANUAL CLEAN) button while pressing the (ON/OFF) button (remain for 5 seconds).

- A double short beep sounds and the filter cleaning is not performed (filter cleaning operation is prohibited) is set.
- If the (MANUAL CLEAN) button is pressed while pressing down the (ON/OFF) button again (hold the buttons for 5 seconds), a single short beep sounds and the setting returns to the filter cleaning operation.

Filter cleaning operation (Normal)
(at time of purchase)

"Beep" sound

Filter cleaning operation
is prohibited

"Beep Beep" sound

- If the filter cleaning operation is prohibited, the operation check (page 10), ① automatic filter cleaning operation and ② manual filter cleaning operation are not performed.

**IN THE EVENT THE NOISE OF FILTER CLEANING OPERATION IS VERY OBVIOUS,
YOU CAN EXECUTE FILTER CLEANING AT THE TIME YOU PREFER BY COMBINING
“MANUAL FILTER CLEANING OPERATION” AND THE “SETTING FOR PROHIBITING
FILTER CLEANING OPERATION”**

- 1** Set to prohibit the filter cleaning operation.
- 2** Return to the filter cleaning operation setting.
- 3** Operate the manual filter cleaning operation. (Page 34)
- 4** Set to prohibit the filter cleaning operation again.

(Method of setting ①, ②, ④, page 34)

- If the filter cleaning is performed after a long interval, dust on the micro mesh stainless filter may not be completely cleaned just by one cycle of filter cleaning. To avoid this, frequent filter cleaning is recommended. (Standard cleaning frequency is once every 2~3 days.)
- If the filter is not cleaned evenly at the time the filter cleaning has been completed, perform the manual filter cleaning operation one more time after an interval of at least 5 minutes. (To protect the appliance, the filter cleaning cannot be performed again within 5 minutes after the previous filter cleaning is completed.)
- Filter may not be cleaned evenly due to long interval of filter cleaning or due to the environment in which the air conditioner is used. To solve this problem, clean the micro mesh stainless filter. (Page 37)

**IN THE FOLLOWING CASES, THE  (CLEAN) INDICATOR REPEATEDLY BLINKS,
LIGHT UP OR DIM. (IT IS NOT A MALFUNCTION)**

- If the  (MANUAL CLEAN) button is pressed while the filter cleaning operation is prohibited, a long beep sounds and the  (CLEAN) indicator blinks. (Lit for 1 second/off for 1 second, for 10 seconds)
- To protect the appliance, the filter cleaning operation is not performed even if the  (MANUAL CLEAN) button on the remote controller is pressed during approximately 5 minutes after filter cleaning operation (i.e., filter cleaning operation which is performed after the air conditioner power is turned on; automatic filter cleaning operation; and manual filter cleaning operation which is performed using the remote controller). A long beep sounds and  (CLEAN) indicator blinks. (Lit for 1 second/off for 1 second, for 10 seconds)
- If the front panel is opened at the start of or during filter cleaning operation, the cleaning unit stops for safety reason and the  (CLEAN) indicator repeats lighting/ dimming. (Lit for 1 second/dim for 1 second)

- The filter cleaning unit is out of order if the  (CLEAN) indicator on the indoor unit still repeatedly on for 4 seconds/off for 1 second. In this case, filter cleaning operation is unavailable, however other functions of the air conditioner are available without being affected.
 - Contact your sales agent if the filter cleaning unit malfunction.

MAINTENANCE

⚠ WARNING

- Before cleaning, stop unit operation with the remote controller and turn off the circuit breaker.

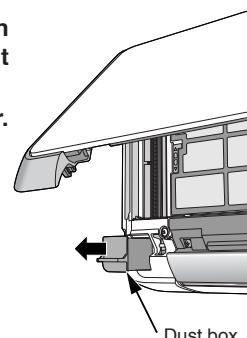
⚠ CAUTION

- Do not expose the unit to water as it may cause an electric shock.
- For cleaning inside the air conditioner, consult your sales agent.
- Avoid using detergent when cleaning the heat exchanger of the indoor unit. Unit failure may result.
- When cleaning the heat exchanger with a vacuum cleaner, make sure to wear gloves so as not to injure your hands on the heat exchanger fins.

Maintenance of dust box

- 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 two years 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.

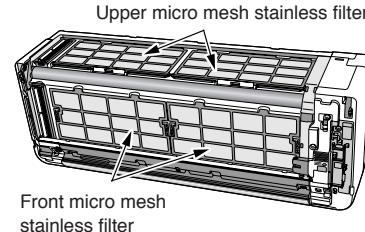
- 1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).**
- 2 Wash the dust box with water.**
 - If the dirt is stubborn, wash with the dust box with warm water below 40°C.
 - After washing, dry it in the shade.
- 3 Plug in the power plug (or turn on the circuit breaker).**



Maintenance of micro mesh stainless filter

No daily maintenance is required. However, filter should be cleaned if the dirt is noticeable due to the environment in which the air conditioner is used.

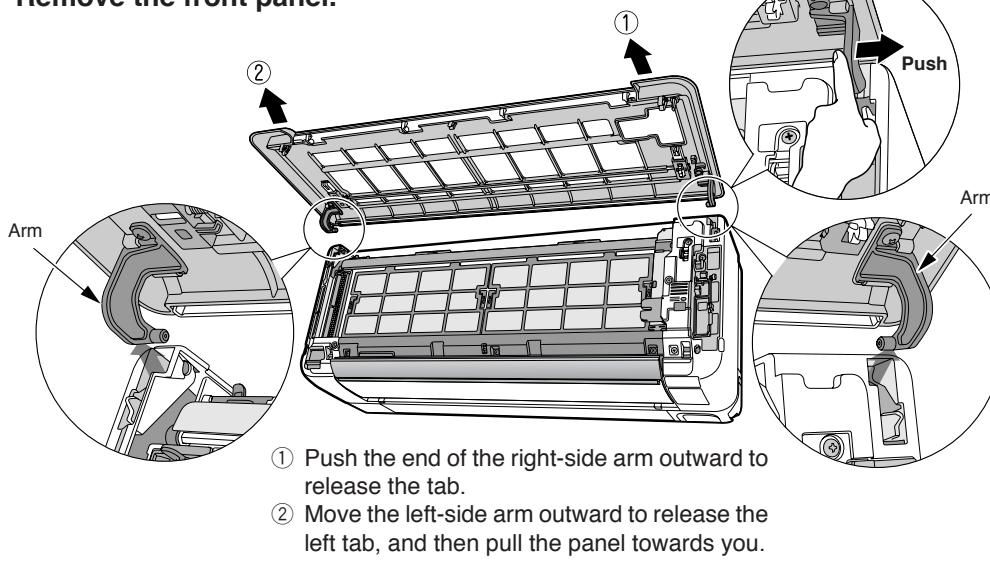
- 1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).**



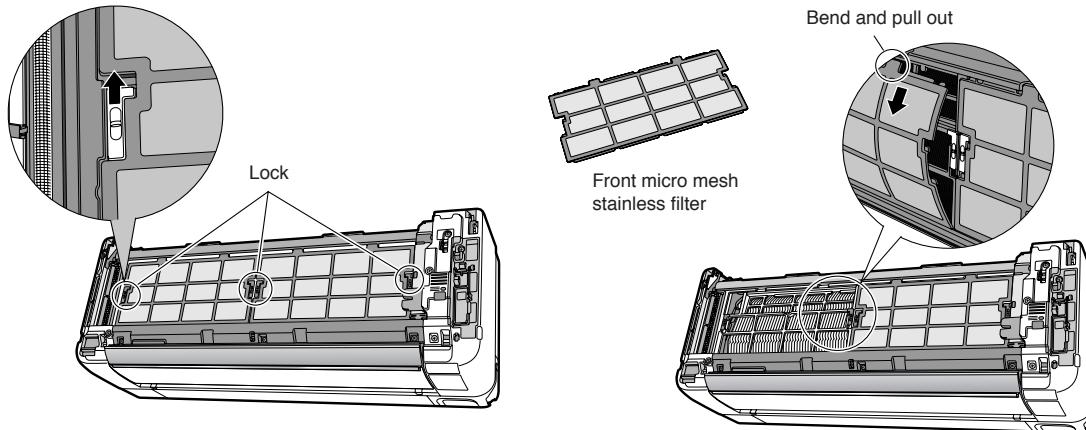
- 2 Open the front panel.**

(Refer to page 8 on opening the front panel)

- 3 Remove the front panel.**



- 4 Remove the front micro mesh stainless filter.**



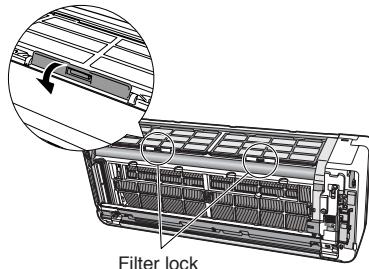
- Slide the locks (2 places each on the left and right) of the micro mesh stainless filters upwards.

- Slightly bend the micro mesh stainless filters (left and right) in the arrow direction to remove the filters.

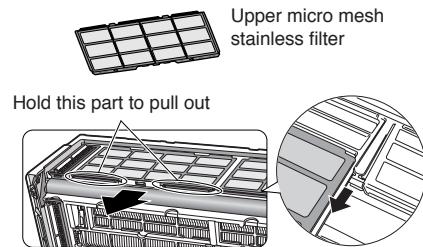
MAINTENANCE (continued)

Maintenance of micro mesh stainless filter (continued)

5 Remove the upper micro mesh stainless filter.



- Pull down the filter lock (1 place each on left and right) of the top filter towards you.



- Slightly lift and pull the top micro mesh stainless filter towards you.

6 Vacuum the dust.

- In the event the micro mesh stainless filter is heavily dirty and the dust cannot be cleaned with a vacuum cleaner, wash the filter with neutral detergent and rinse well with water, and then dry the filter in the shade.



7 Attach the front micro mesh stainless filter.

- Place the micro mesh stainless filter with its side having indication of **FRONT FILTER** and **BACK** facing towards the unit. (The shape of the left and right filters are the same.)
- Insert the bottom side of micro mesh stainless filter (left and right), then slightly bend and insert it in the arrow direction.
- Slide micro mesh stainless filter lock (2 places on the left and right) downwards.

8 Attach the upper micro mesh stainless filter.

- Align the filter with the top face of the indoor unit, and then slide and push it in. (The shape of the left and right filters is the same.)
- Push up the filter lock (both sides) on the top surface.

9 Attach the front panel.

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

10 Close the front panel.

(Refer to page 9 on closing the front panel)

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

CAUTION

- Improper installation of the micro mesh stainless filter could result in malfunction. Filter cleaning operation can not be performed properly and the  (CLEAN) indicator blinks.
- 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.
- Be extra careful not to cut your hand with the fin of the heat exchanger when removing and reattaching the micro mesh stainless filter.

Maintenance of dust catcher

No daily maintenance is required. However, filter should be cleaned if the dirt is noticeable due to the environment in which the air conditioner is used.

Some type of dust may not go in the dust box but be accumulated on the rear surface of the dust catcher. It is recommended to check the dust amount on the dust catcher approximately once every 2 years and clean the dust catcher if it is dirty.

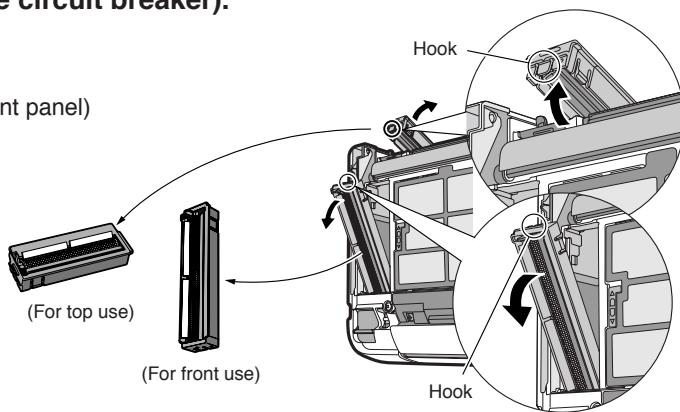
- 1 Stop the operation with the remote controller and unplug the power plug (or turn off the circuit breaker).**

- 2 Remove the front panel.**

(Refer to page 37 on removing the front panel)

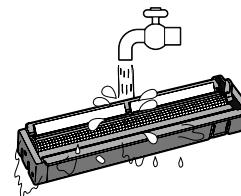
- 3 Remove the dust catcher.**

- Remove the dust catcher for 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 dirt is stubborn, use a 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 until it clicks.

- 6 Attach the front panel.**

(Refer to page 38 on attaching the front panel)

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

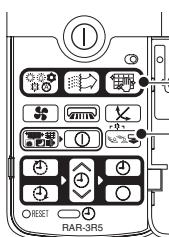
⚠ CAUTION

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

MAINTENANCE (continued)

Maintenance of filter cleaning wiper and wiper cover

No daily maintenance is required. However, filter should be cleaned if the dirt is noticeable due to the environment in which the air conditioner is used.



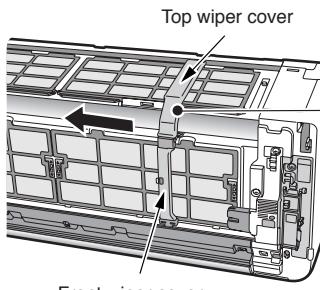
1 Remove the front panel.

(Refer to page 37 on removing the front panel)

2

When the air-conditioner stops, point the remote controller to the indoor unit and press the (MANUAL CLEAN) button while pressing the (PREFERENCE) button (hold for 5 seconds).

- (CLEAN) indicator repeatedly lights up and dim.
(Lit for 1 second/dim for 1 second)



Cleaning unit

The cleaning unit move near to the center part of the right side filter.

3

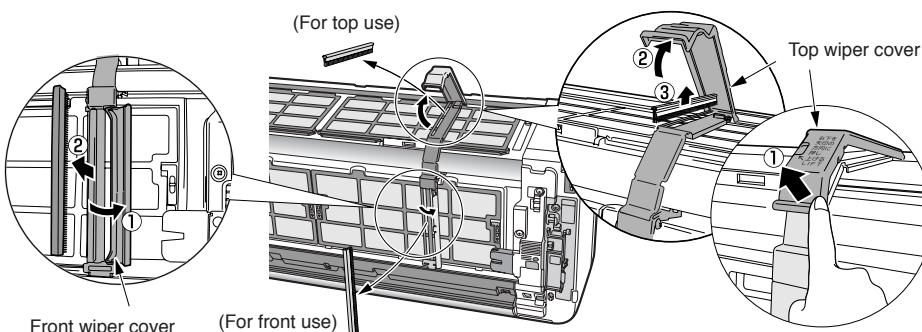
Wipe the wiper cover with soft dry cloth.

If the wipe cover is dirty, wipe it with a soft, dry cloth.

4

Open the wiper cover and remove the filter cleaning wiper.

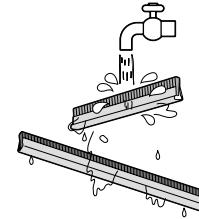
- Open the top wiper cover upwards and remove the filter cleaning wiper.
- Open the front wiper cover towards right and remove the filter cleaning wiper.



- Push up the bottom right side of the wiper cover for the top face in the arrow direction.

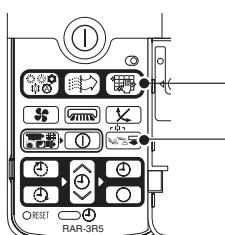
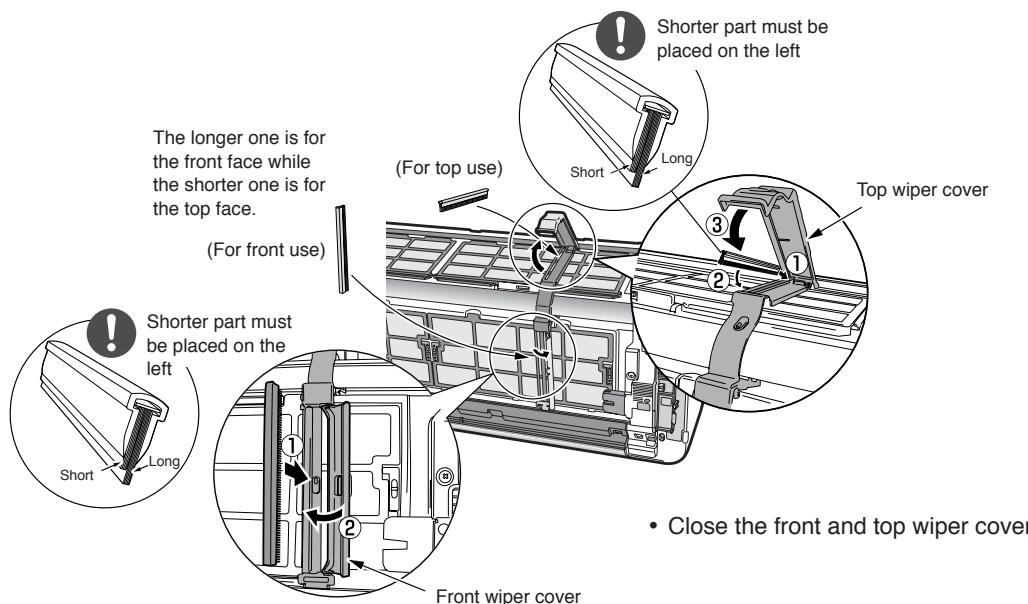
5 Wash with water.

- Please wash with water.
- If the dirt is stubborn, use a mild detergent and wash with warm water below 40°C.
- Dry completely in the shade.



6 Attach the filter cleaning wiper and close the wiper cover.

- Insert the filter cleaning wiper into the gap of the cleaning unit.



7 Point the remote controller to the indoor unit again and press the (MANUAL CLEAN) button while pressing the (PREFERENCE) button (hold for 5 seconds).

- (CLEAN) indicator repeatedly lights up and dim.
(Lit for 1 second/dim for 1 second)

8 Attach the front panel.

(Refer to page 38 on attaching the front panel)

Cleaning unit

The cleaning unit will move to the end of right side.

CAUTION

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

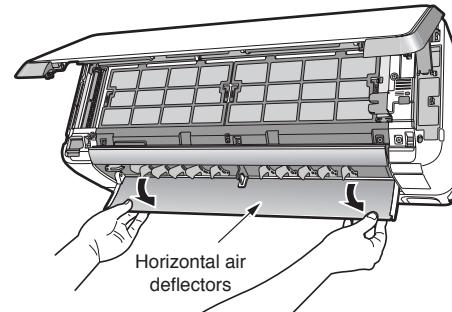
MAINTENANCE (continued)

Maintenance of electric dust collector electrodes and ionized mist generator

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

2 Open the front panel.
(Refer to page 8 on opening the front panel)

3 Slowly open the vertical air deflectors using both hands.

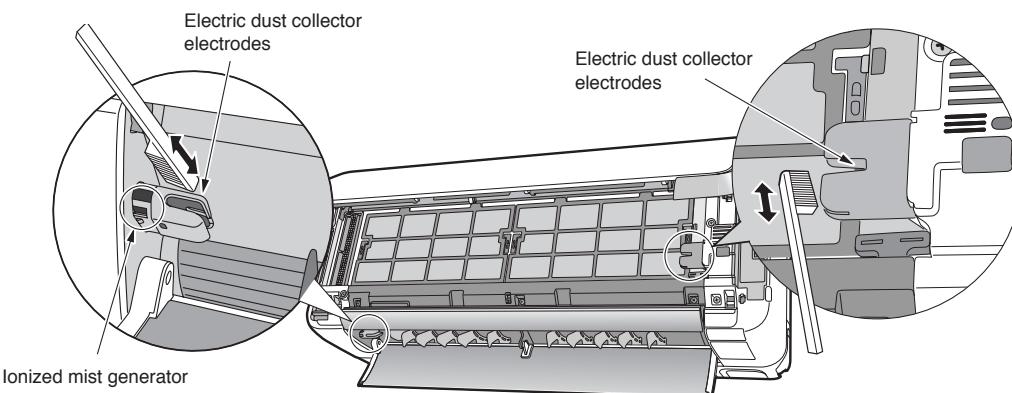


⚠ CAUTION

- Be sure to open slowly using both hands as shown in the illustration. Otherwise, it may cause malfunction.
- Do not use excessive force to move the air deflector beyond the stopper located below it. Otherwise, it may cause malfunction.

4 Remove the dirt on the electric dust collector electrodes (2 places) and ionized mist generator with a toothbrush.

- Be sure to use a dry toothbrush.
- Lightly brushed off the dust.



5 Close the front panel.

(Refer to page 9 on closing the front panel)

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

⚠ CAUTION

- Do not touch the electric dust collector electrodes and ionized mist generator while the air conditioner is in operation
High voltage generated at these parts could result in electrical shock.
- Do not splash or direct water to the electric dust collector electrodes and ionized mist generator
It may cause short circuit or malfunction.

UNDERSTANDING THE OPERATING MECHANISM

NAMES AND FUNCTIONS OF EACH PART (Page 4)

Movable panel

- Movable panel opens automatically when the air conditioner starts operation for efficient heat exchange of the air. It will close automatically once the air-conditioner stops. Attempt to move the panel manually could result in failure of the unit. Do not use excessive force to open/close the movable panel.
- Do not touch the movable panel while it is moving to avoid the risk of finger entrapment.

CAUTION

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



PROHIBITION

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 PAM and 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. (Page 28)
- 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 and dry cool 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.

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.

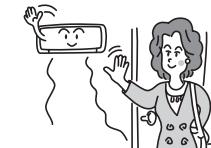
⚠ CAUTION

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



3. Make efficient use of air quality monitor and mold monitor when going out.

(Refer to page 21~22 on air quality monitor and mold monitor)



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

(Refer to page 28~31 on using the timer)



5. 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.



6. 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

Filter cleaning is performed after the power is turned on (after the plug-in or after the circuit breaker is switched on after power failure)	<ul style="list-style-type: none"> This is for filter cleaning operation check.
Filter cleaning operation does not start ( (CLEAN) indicator blinks or lit and dim repeatedly)	<ul style="list-style-type: none"> If the front panel is not closed properly, filter cleaning operation will not start for safety reason. ( (CLEAN) indicator lit for 1 second/dim for 1 second) In basic air-conditioner operation (cooling operation etc.), the filter cleaning operation will not start even when the  (MANUAL CLEAN) button on the remote controller is pressed. ( (CLEAN) indicator lit for 1 second/off for 1 second, for 10 seconds) During filter cleaning operation or within 5 minutes after the operation, even when the  (MANUAL CLEAN) button on the remote controller is pressed, the filter cleaning operation will not restart to protect the device. ( (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. ( (CLEAN) indicator lit for second/off for 1 second, for 10 seconds) Are micro mesh stainless filter, dust catcher, filter cleaning wiper, wiper cover correctly installed? ( (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.
Noise occurred during filter cleaning operation	<ul style="list-style-type: none"> A whirring motor noise is generated due to driving of the cleaning unit. A clapping noise is generated when the dust catcher collects the dust swept by the cleaning unit. A clapping noise is generated when the dust catcher is turned over by the cleaning unit. A sweeping sound is generated when the cleaning unit sweeps the dust.
Cleaning unit stops halfway	<ul style="list-style-type: none"> Is the front panel open during filter cleaning operation? After the filter cleaning wiper maintenance, is the cleaning unit return to the right end part using the remote controller? Are micro mesh stainless filter, dust catcher, filter cleaning wiper, wiper cover correctly installed? ( (CLEAN) indicator lit for 4 seconds/off for 1 second)

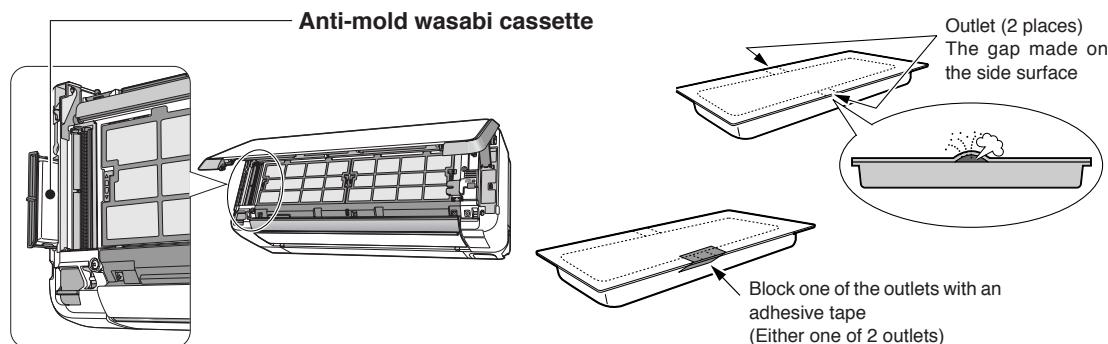
TROUBLESHOOTING (continued)

FILTER CLEANING OPERATION (continued)

Micro mesh stainless filter is still dirty	<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.
	<ul style="list-style-type: none">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.

ANTI-MOLD WASABI CASSETTE

- Anti-mold elements with wasabi aroma prevents mold growth inside the dust box in which the dust collected by filter cleaning operation is kept. Although only a trace amount of anti-mold elements is released, there may be wasabi smell in the room depending on the environment in which the air conditioner is used. If you feel this smell is unpleasant, block one of the anti-mold element outlets with a commercially available adhesive tape. If this measure is taken, the amount of anti-mold element to be released will be reduced and the anti-mold effect will also be less accordingly. To prevent mold growth, frequent cleaning of the dust box is recommended.



PLEASE CHECK THE FOLLOWING BEFORE SERVICE

Signal cannot be received (Remote controller display is dim or blank)	<ul style="list-style-type: none"> • Do the batteries need replacement? • Is the polarity of the inserted batteries correct?
Operation does not start	<ul style="list-style-type: none"> • Is the power plug inserted properly?
	<ul style="list-style-type: none"> • Is the fuse blown out or circuit breaker tripped?
	<ul style="list-style-type: none"> • Is there a blackout? (Operation remains idle after a blackout.)
Does not cool well Does not heat well	<ul style="list-style-type: none"> • Is the micro mesh stainless filter blocked with dust?
	<ul style="list-style-type: none"> • Is the set temperature suitable?
	<ul style="list-style-type: none"> • Have the vertical air deflector been adjusted to the correct positions according to the operation mode selected?
	<ul style="list-style-type: none"> • Are the air inlets and air outlets of indoor and outdoor units blocked?
	<ul style="list-style-type: none"> • Is the fan speed "LOW" or "SILENT"?
Movable panel does not move	<ul style="list-style-type: none"> • Is the front panel closed properly?
 (CLEAN) indicator blinks	<ul style="list-style-type: none"> • Is the front panel closed properly?
	<ul style="list-style-type: none"> • Check "filter cleaning operation".
 (CLEAN) indicator blinks after cooling, dehumidifying and dry cool operations	<ul style="list-style-type: none"> • Is the front panel closed properly?

FAILURE OF IONIZED MIST GENERATOR AND ELECTRIC DUST COLLECTOR

- If the  (MIST/AIR PURIFYING) indicator on the indoor unit is continuously blinking, check the dirt on the ionized mist generator and electric dust collector. Clean them if they are dirty. (Page 42)
If the  (MIST/AIR PURIFYING) indicator still continues to blink, the ionized mist generator and/or electric dust collector is out of order.
In this case, ionized mist operation and stainless plasma air purifying operations are unavailable, however other functions of the air conditioner are available without being affected.
- Contact your sales agent if the Ionized Mist generator and electric dust collector malfunctions.

TROUBLESHOOTING (continued)

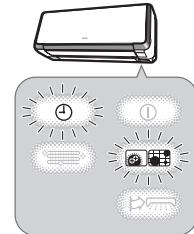
THE FOLLOWING CASES DOES NOT INDICATE MALFUNCTION

Odors	Except for anti-mold wasabi cassette, no smell-generating material or substance is used for air conditioner. This is due to the smell or odor, such as cigarette, cosmetics and food, present in the room that is sucked in and then blown out by the air conditioner.
In heating operation, ① (OPERATION) indicator lit and dim repeatedly	Indicates preheating or defrosting operation is underway.
① (OPERATION), (CLEAN), (MIST/AIR PURIFYING) indicators lit after the operations of cooling, dehumidifying and dry cool	Indicates internal cleaning operation is underway. (Page 19)
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 ① (OPERATION) indicator blinks	Auto fresh defrosting is activated (as the heating operation is stopped, the microcomputer checks frost accumulated in the indoor 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.
Movable panel does not close (when power is off)	Plug in the power plug as the movable panel automatically opens and closes when the power is ON/OFF and START/STOP. (Or turn on the circuit breaker.)

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 45~49, disconnect the power plug from the outlet (or switch off the circuit breaker) and immediately contact your sales agent.

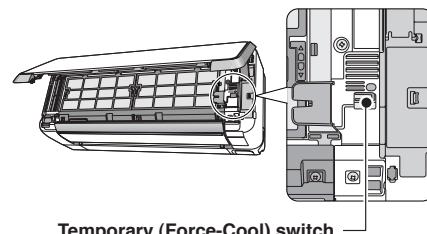
- The circuit breaker switches off or the fuse blows frequently.
- The switch operation is not stable.
- Foreign matter or water accidentally enters the unit interior.
- The power cord gets excessively hot or its insulation is torn or stripped.
-  (TIMER) indicator or  (MONITOR) indicator on the indoor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



TEMPORARY OPERATION

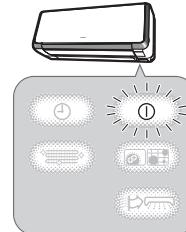
Press the temporary switch to start temporary operation if the remote controller cannot function due to dead batteries.

1 Unplug the power plug when running the temporary operation. (Or turn off the circuit breaker.)



Temporary (Force-Cool) switch

2 Plug in the power plug again. (Or turn on the circuit breaker.)

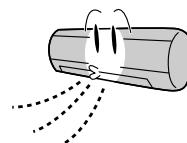


3 Automatic operation starts when the temporary switch is pressed.

- The air conditioner performs force-cooling operation if the temporary switch is pressed for at least 5 seconds. This operation is allowed to sales agents only. Users must not perform this operation.

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.

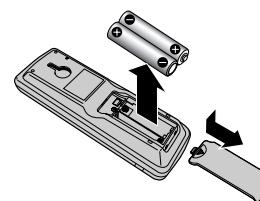


- On a sunny day, perform stainless plasma air purifying (Fan) operation for approximately one half day. Mold can easily grow if air conditioner is not used for a long period of time while its inside is left wet.

2 Unplug the power plug or turn off the circuit breaker.

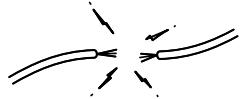


3 Remove the batteries from the remote controller.



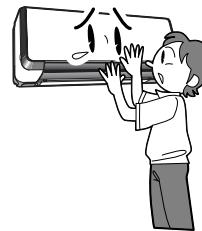
REGULAR INSPECTION

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

	WARNING	<p>Is the plug plugged into the socket firmly? If the earth line is disconnected or faulty, unit failure or electric shock hazard may result.</p> <ul style="list-style-type: none">• If the plug have dust or dirt, please clean it before plug in.
	WARNING	<p>Is the unit's earth line connected correctly? 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.
	WARNING	<p>Is the mounting frame stable? 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 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.

OPERATION DISPLAY CHART

Display	Operation mode
	<ul style="list-style-type: none"> Automatic operation (page 13) Manual operation (page 14) Heating operation (page 15) (DEHUMIDIFY) (Auto dehumidifying, condensation control) operation (page 15) Cooling operation (page 17) Dry cool operation (page 17)
	<ul style="list-style-type: none"> (DEHUMIDIFY) (Quick laundry) operation (page 15) Ionized mist operation (page 18) Combined operation of automatic, manual, heating, dehumidifying, cooling, dry cool operations and ionized mist operation (page 18) Stainless plasma air purifying operation (page 18) Combined operation of automatic, manual, heating, dehumidifying, cooling, dry cool operations and stainless plasma air purifying operation (page 18)
	<ul style="list-style-type: none"> During internal cleaning operation (page 19)
	<ul style="list-style-type: none"> During preset of the air quality monitor operation (page 21) During preset of the mold monitor operation (page 22)
	<ul style="list-style-type: none"> During air quality monitor operation (page 21)
	<ul style="list-style-type: none"> During mold monitor operation (page 22)
	<ul style="list-style-type: none"> Filter cleaning operation (page 32)
	<ul style="list-style-type: none"> Timer preset operation (page 28) Sleep timer operation (page 31) (TIMER) indicator lit if timer preset is set in every operations.

MEMO