

**HITACHI**  
Inspire the Next

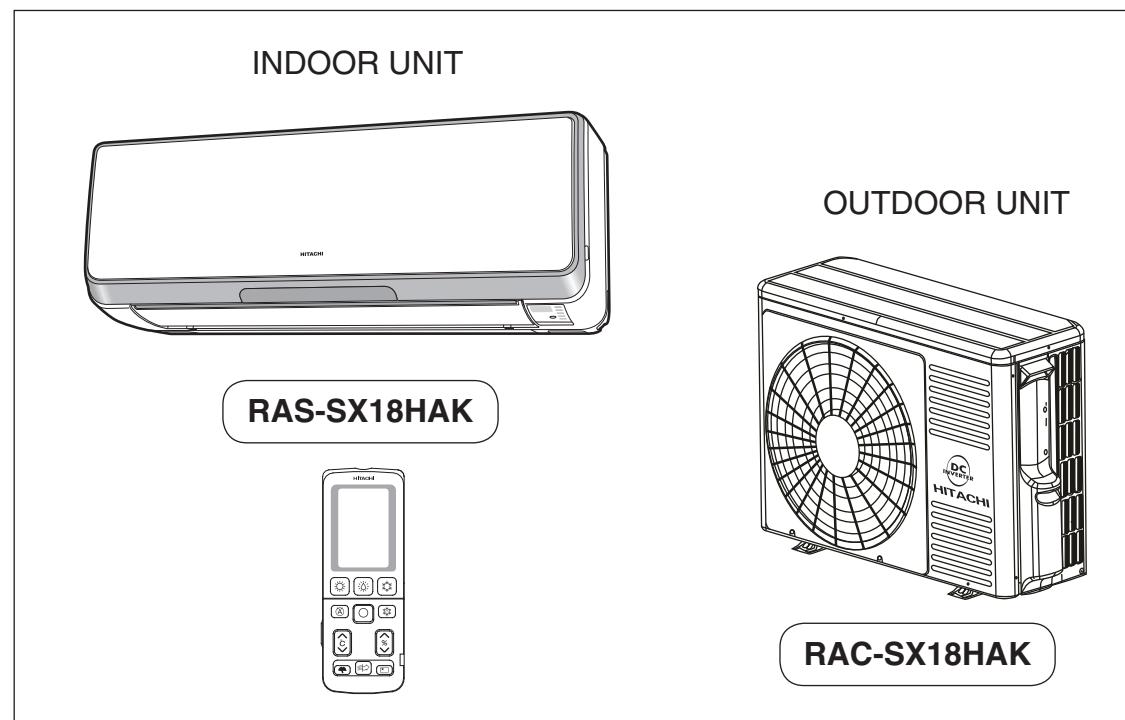
ENGLISH

## SPLIT TYPE AIR CONDITIONER

# INDOOR UNIT/OUTDOOR UNIT



MODEL  
RAS-SX18HAK / RAC-SX18HAK



### Instruction manual

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

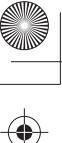
Page 1~48

### 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。

49 ~ 95 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.
--	---

- Please keep this manual after reading.

## PRECAUTIONS DURING INSTALLATION

<b>WARNING</b>	<ul style="list-style-type: none"> <li>• Do not reconstruct the unit. Water leakage, fault, short circuit or fire may occur if you reconstruct the unit by yourself.</li> </ul>	PROHIBITION
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	CONNECT EARTH LINE
	<ul style="list-style-type: none"> <li>• Be sure to use the specified piping set for R410A. Otherwise, this may result in broken copper pipes or faults.</li> </ul>	
<b>CAUTION</b>	<ul style="list-style-type: none"> <li>• A circuit breaker should be installed depending on the mounting site of the unit. Without a circuit breaker, the danger of electric shock exists.</li> </ul>	PROHIBITION
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Please ensure smooth flow of water when installing the drain hose.</li> </ul>	
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	PROHIBITION

## PRECAUTIONS DURING SHIFTING OR MAINTENANCE

<b>WARNING</b>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	"OFF"
	<ul style="list-style-type: none"> <li>• Please contact your agent for maintenance. Improper self maintenance may cause electric shock and fire.</li> </ul>	
	<ul style="list-style-type: none"> <li>• 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.</li> </ul>	

## PRECAUTIONS DURING OPERATION

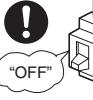
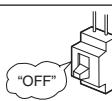
<b>WARNING</b>	<ul style="list-style-type: none"> <li>• Avoid an extended period of direct airflow for your health.</li> </ul>	PROHIBITION
	PROHIBITION <ul style="list-style-type: none"> <li>• Do not put objects like thin rods into the panel of blower and suction side because the high-speed fan inside may cause danger.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Do not use any conductor as fuse wire, this could cause fatal accident.</li> </ul>	PROHIBITION
	"OFF" <ul style="list-style-type: none"> <li>• During thunder storm, disconnect the plug top and turn off the circuit breaker.</li> </ul>	
	<ul style="list-style-type: none"> <li>• Spray cans and other combustibles should not be located within a meter of the air outlets of both indoor and outdoor units. As a spray can's internal pressure can be increased by hot air, a rupture may result.</li> </ul>	PROHIBITION



ENGLISH

## PRECAUTIONS DURING OPERATION

**CAUTION**

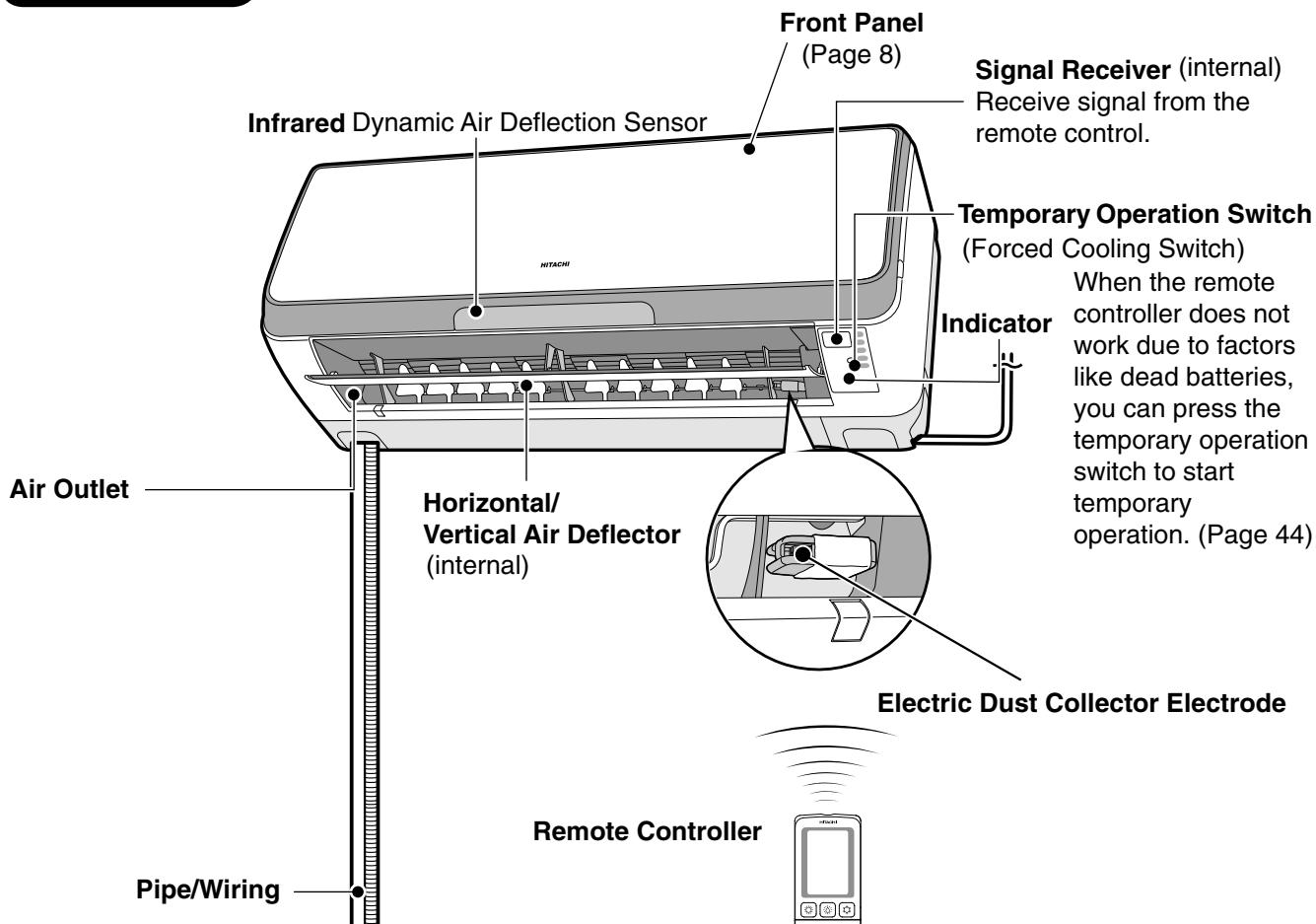
- The product shall be operated under the manufacturer specification and not for any other intended use.  PROHIBITION
-  DON'T WET Do not attempt to operate the unit with wet hands, this could cause fatal accident.
- When operating the unit with burning equipments, regularly ventilate the room to avoid oxygen insufficiency.  STRICTLY OBSERVE PRECAUTIONS
-  PROHIBITION 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.
- Please ensure that outdoor mounting frame is always stable, firm and without defect. If not, the outdoor unit may collapse and cause danger.  PROHIBITION
-  PROHIBITION 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.
- Do not place plants directly under the airflow as it is bad for the plants.  PROHIBITION
-  "OFF" 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.
- Turn off the circuit breaker if the unit is not be operated for a long period.  "OFF"
-  PROHIBITION Do not climb on the outdoor unit or put objects on it.
- When operating the unit with the door and windows opened, (the room humidity is always above 80%) and with the air deflector facing down or moving automatically for a long period of time, water will condense on the air deflector and drips down occasionally. This will wet your furniture. Therefore, do not operate under such condition for a long time.  PROHIBITION
-  PROHIBITION 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.
- Indoor unit cleaning must be performed by authorized personnel only. Consult your sales agent. Using a commercially available detergent or similar can damage the plastic parts or clog the drain pipe, causing water to drip with potential electric shock hazard.  PROHIBITION
-  DON'T TOUCH Do not touch the air outlet, bottom surface and aluminium fin of the outdoor unit. You may get hurt.
- Do not touch the refrigerant pipe and connecting valve. Burns may result.  DON'T TOUCH
- This appliance is not intended for use by young children or infirm persons unless they have been adequately supervised by a responsible person to ensure that they can use this appliance safely.
- Young children should be supervised to ensure that they do not play with the appliance.



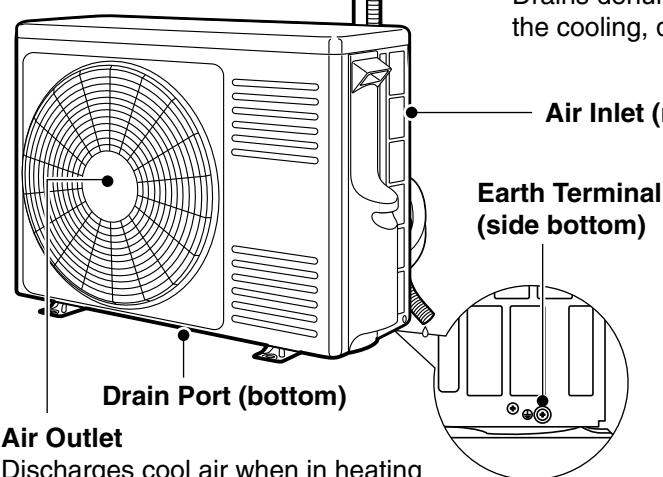
# NAMES AND FUNCTIONS OF EACH PART

## INDOOR UNIT

(Understanding The Operating Mechanism, page 39)



## 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.

### CAUTION

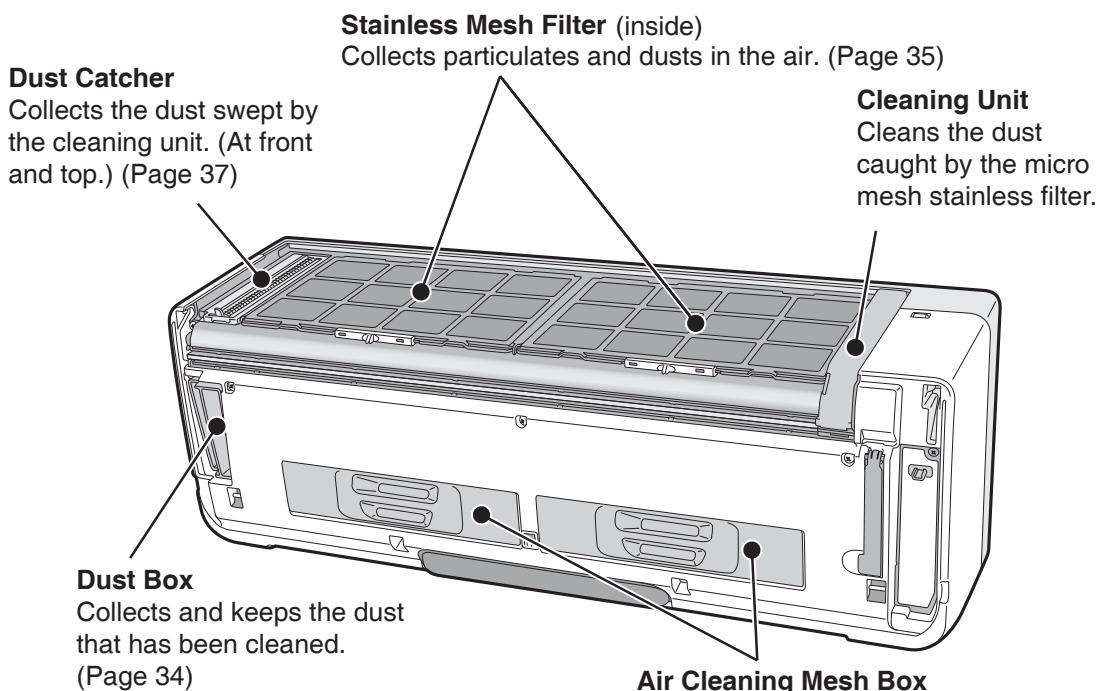
Pull out the power plug if the unit is not in use for a long period.  
(Or turn off the circuit breaker.)

- 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.**

ENGLISH

## INDOOR UNIT CONTROL PANEL / CLEANING UNIT

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



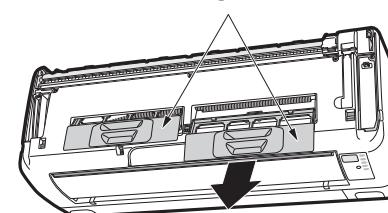
### How to Attach the Nano Titanium Air Cleaning Mesh

#### Preparation

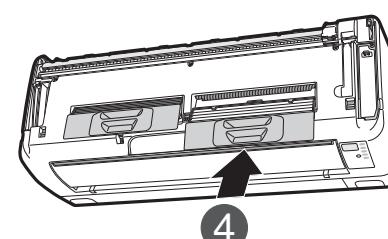
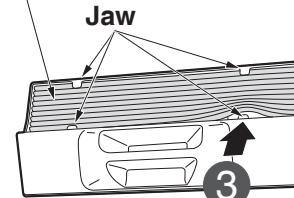
Stop the air conditioner, and disconnect the power supply (or turn off the circuit breaker).

- 1 Open the front panel.
- 2 Pull out the air cleaning mesh box as illustrated to remove it.
- 3 Insert the air cleaning mesh into the slot as illustrated.
- 4 Replace the air cleaning mesh box.
  - “Make sure that it clicks into place.”
  - “If it dose not click into place, abnormal sounds may be heard or the box may fall off.”
- 5 Close the front panel.
- 6 Connect the power cord (or turn on the circuit breaker).

#### Air Cleaning Mesh Box



#### Nano Titanium Air Cleaning Mesh Jaw



※ With the air cleaning mesh used, the air-conditioning capability will fall slightly.

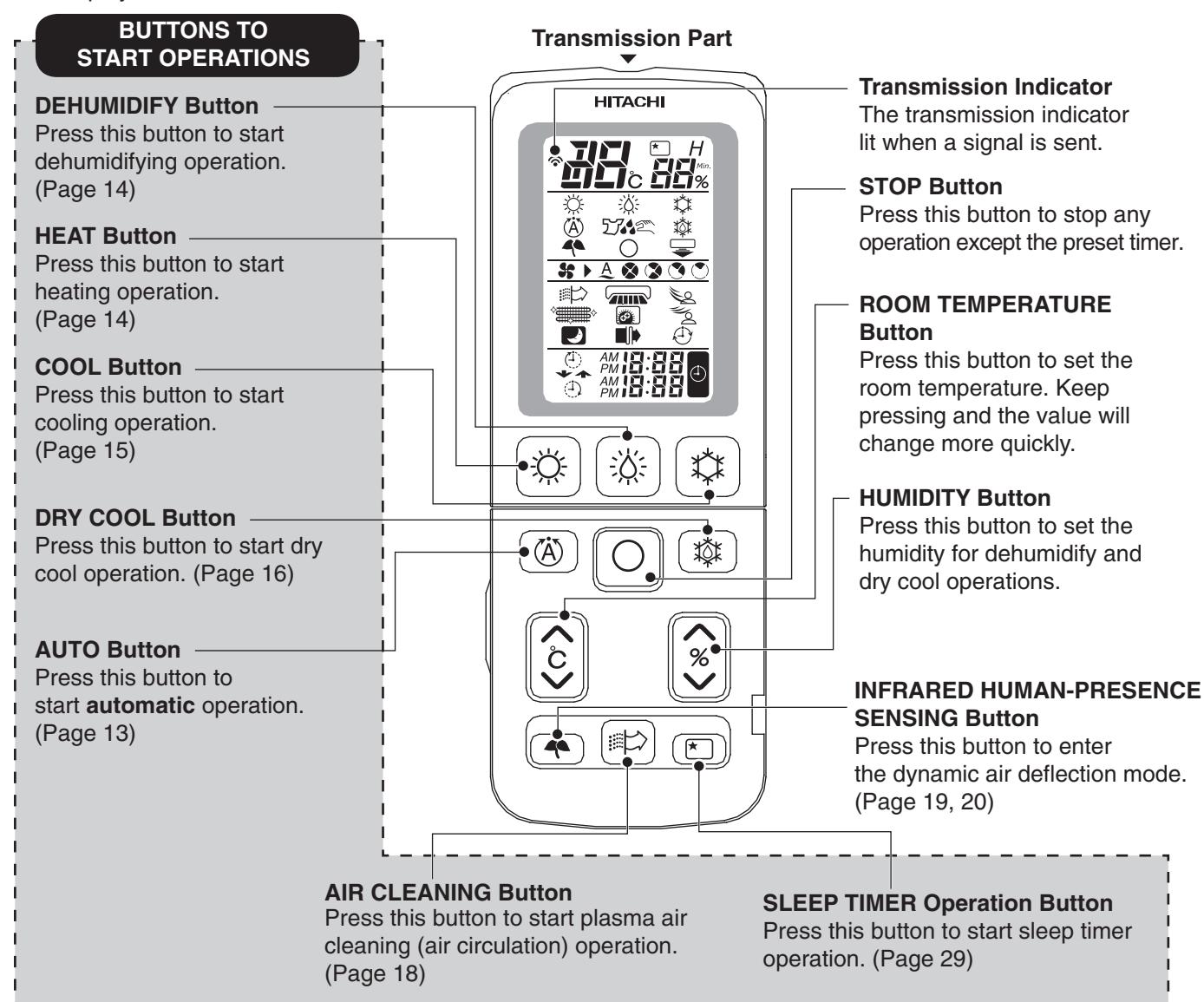
Remove dust from the surface with a vacuum cleaner, and DO NOT clean it with water.  
(We recommend you clean it once every 6 months and replace it once every 2 years.)

## NAMES AND FUNCTIONS OF EACH PART (continued)

### REMOTE CONTROLLER

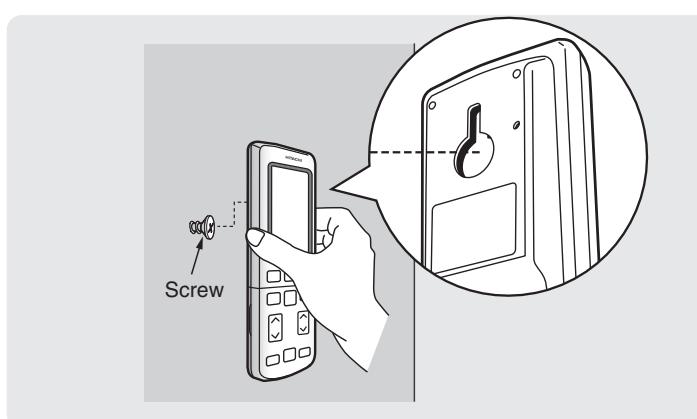
Transmits the operation and timer settings to the indoor unit.

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.



ENGLISH

(When the door is open)

**MANUAL CLEAN Button**

Starts filter cleaning operation while the air conditioner operation is stopped. (Page 32)

**POWERFULL Button**

Press this button to start powerful operation. (Page 18)

**MANUAL/AUTO Button**

Press this button to switch between auto/manual dehumidifying and dry cool operation. (Page 18)

**FAN SPEED Button**

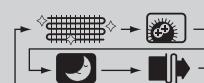
Press this button to select fan speed. Four options are available: Auto, Strong, Weak, Gentle, and Quiet.

**FUNCTION SELECTOR**

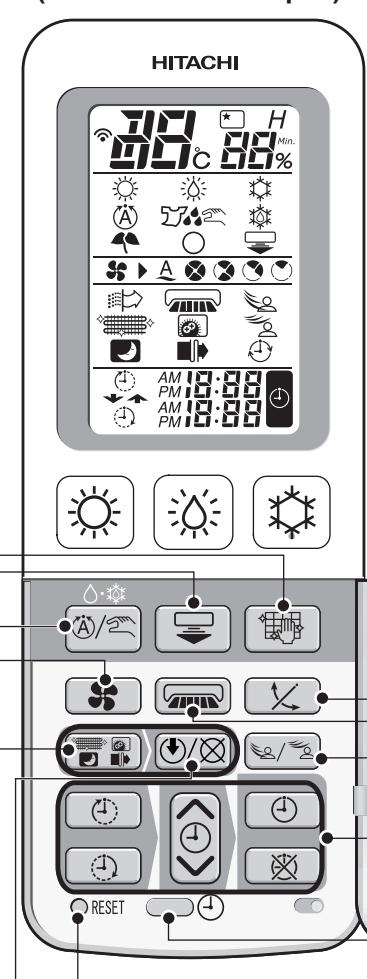
These are preset functions except for  (SAVE). Preset can be done if these buttons are pressed while the air conditioner is stopped, however, the unit will not function accordingly.

**FUNCTION SELECTOR Buttons**

Each time when you press, blinking changes in the following sequence (page 12, 21, 22, 23):

**ON/OFF Button**

Use this button to set or cancel the function selected by the function selector.

**VERTICAL AIRFLOW Button**

Use this button to swing the vertical air deflector or to adjust the angle to your preference. (Page 24)

**HORIZONTAL AIRFLOW Button**

Use this button to swing the horizontal air deflector or to adjust the angle to your preference. (Page 25)

**DYNAMIC AIR DEFLECTION Button**

Press this button to start dynamic air operation. (Page 27)

**TIMER Buttons****SET TIME Button**

Use this button to set and check the current time. (Page 11)

**RESET Button**

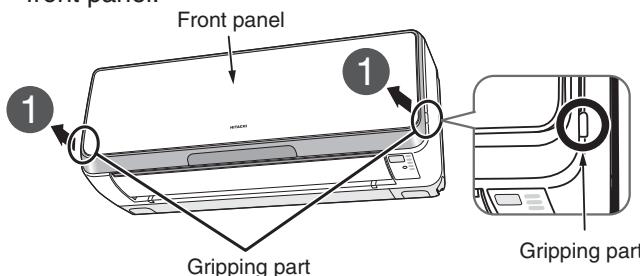
Press this button after the batteries are replaced and when the air conditioner does not function properly. (Page 11)



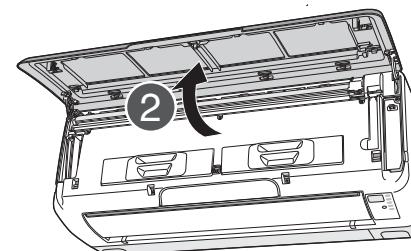
## INSTALLING ANTI-MOLD WASABI CASSETTE

### 1 Open the front panel.

- Do not hold the movable panel when opening and closing the front panel.

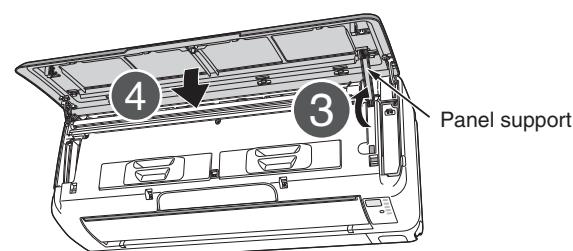


- Hold and lift up the front panel.



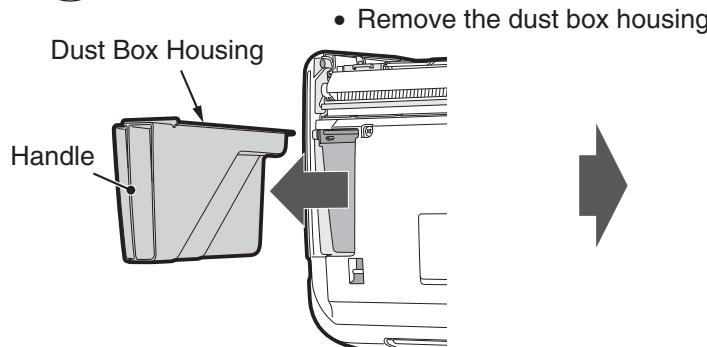
#### **CAUTION**

- **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.

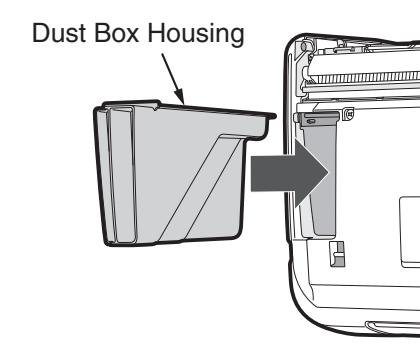


- Push up the panel support until it clicks to lock it.  
Lower the front panel and fix in position with the panel support.

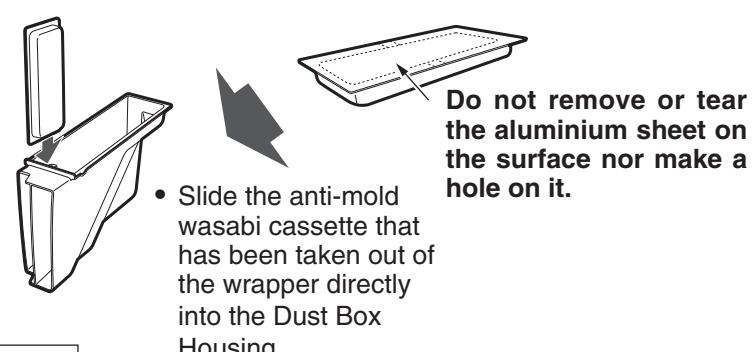
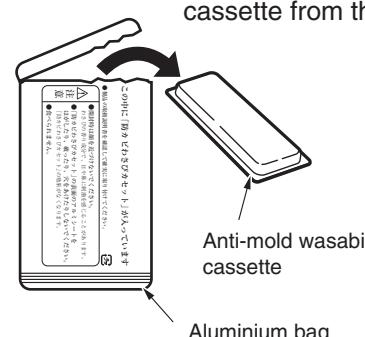
### 2 Install the anti-mold wasabi cassette.



- Remove the dust box housing



- 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 Dust Box Housing.

#### **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.**

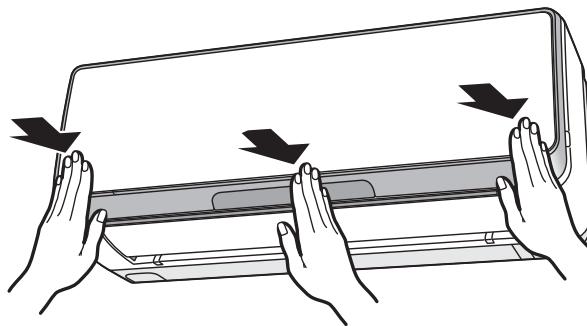
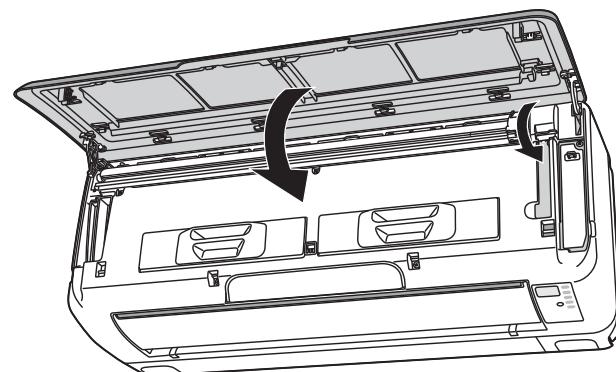
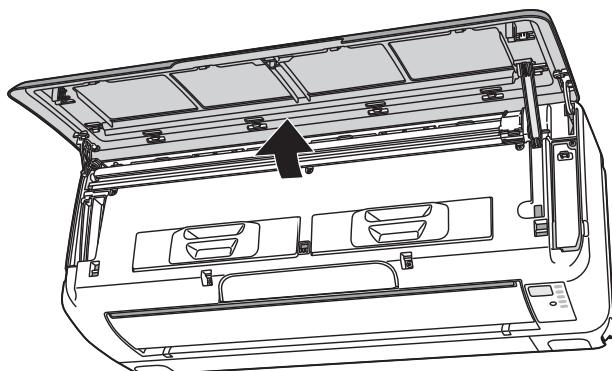
No daily maintenance is required. However, the effectiveness of anti-mold wasabi cassette will be lost after approximately 10 years have elapsed. Replace the anti-mold wasabi cassette in such event.



ENGLISH

### 3 Close the front panel.

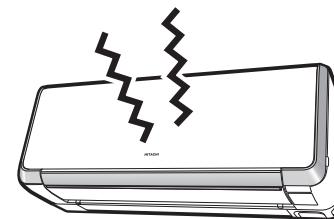
- Hold and lift up the front panel.
- Push down the panel support until it clicks.

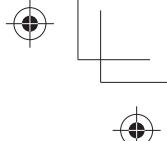
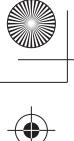


- Pull it downward.  
Push the both ends of the front panel first and then its center until it clicks.

#### **CAUTION**

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





## 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.



**CAUTION**

- Do not operate with wet hands  
It may cause electric shock.



- 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.

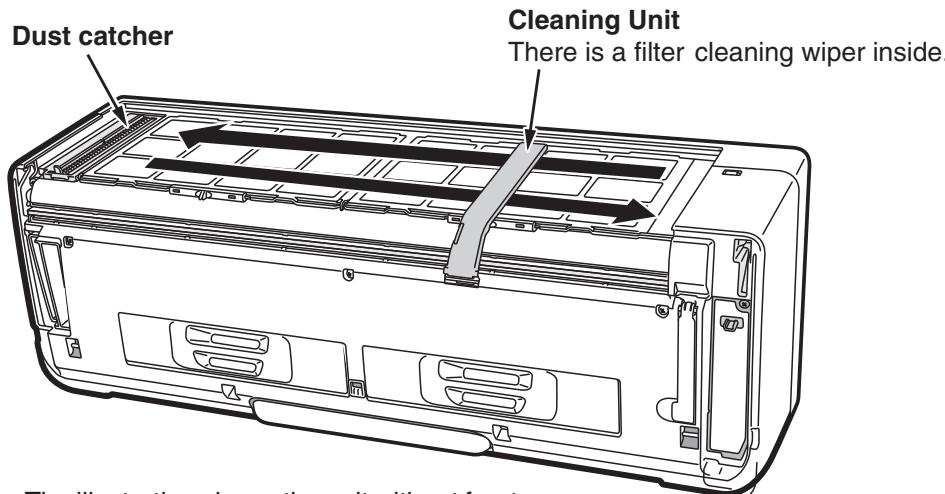
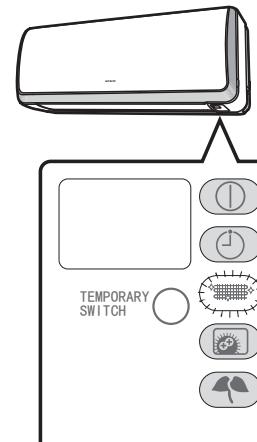


**2**

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 5 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 44.



- The illustration shows the unit without front panel for your reference only.

**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.



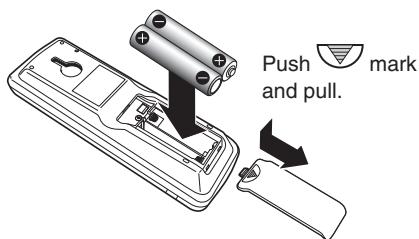
ENGLISH

## PREPARE THE REMOTE CONTROLLER

**1**

### Install the batteries.

- Use two AAA-size batteries.

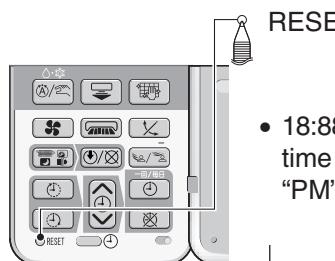


#### CAUTION

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**

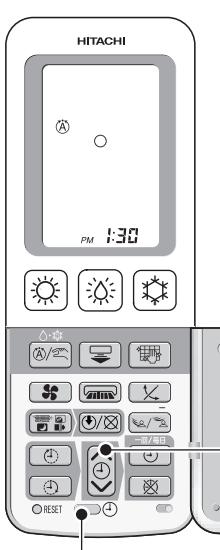
### Open the cover and press the RESET button with a sharp tip item.



- 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.)

**1**

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.

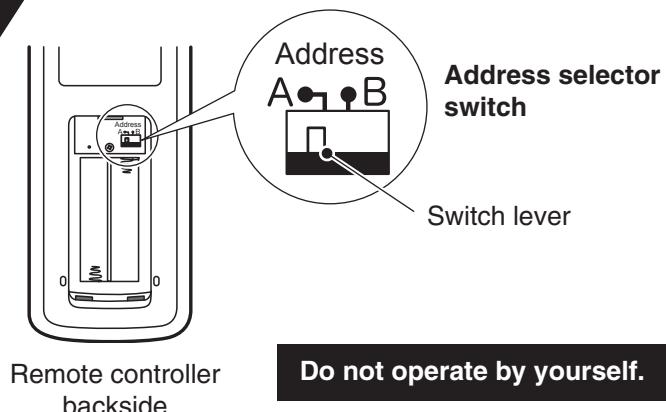


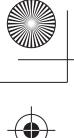
#### ■ Confirm the current time

- Press the (SET TIME) button to check the current time (The time display disappears 3 minutes later). 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.



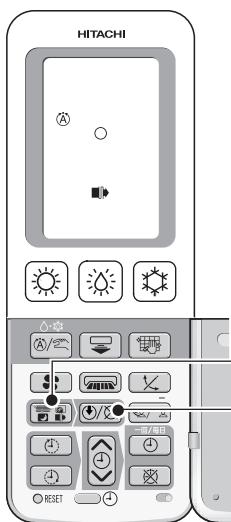


## PREPARE THE REMOTE CONTROLLER (continued)

**4**

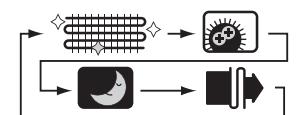
### Ampere setting (Standard/Save) can be selected.

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.

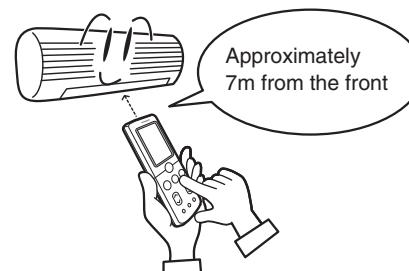
#### ■ Notes for "save" setting

- 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.

## 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

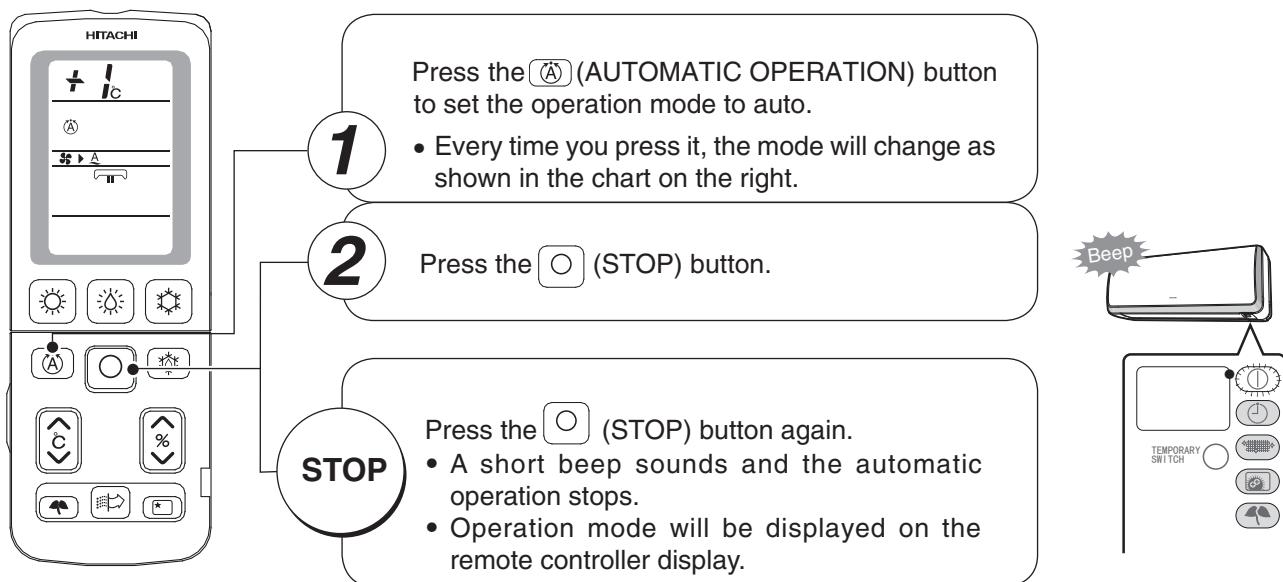
Dropping it or getting it wet may compromise its signal transmission capability. After new batteries are inserted into the remote controller, the unit require approximately 10 seconds before it can respond to commands and begin operation.



ENGLISH

## 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.)

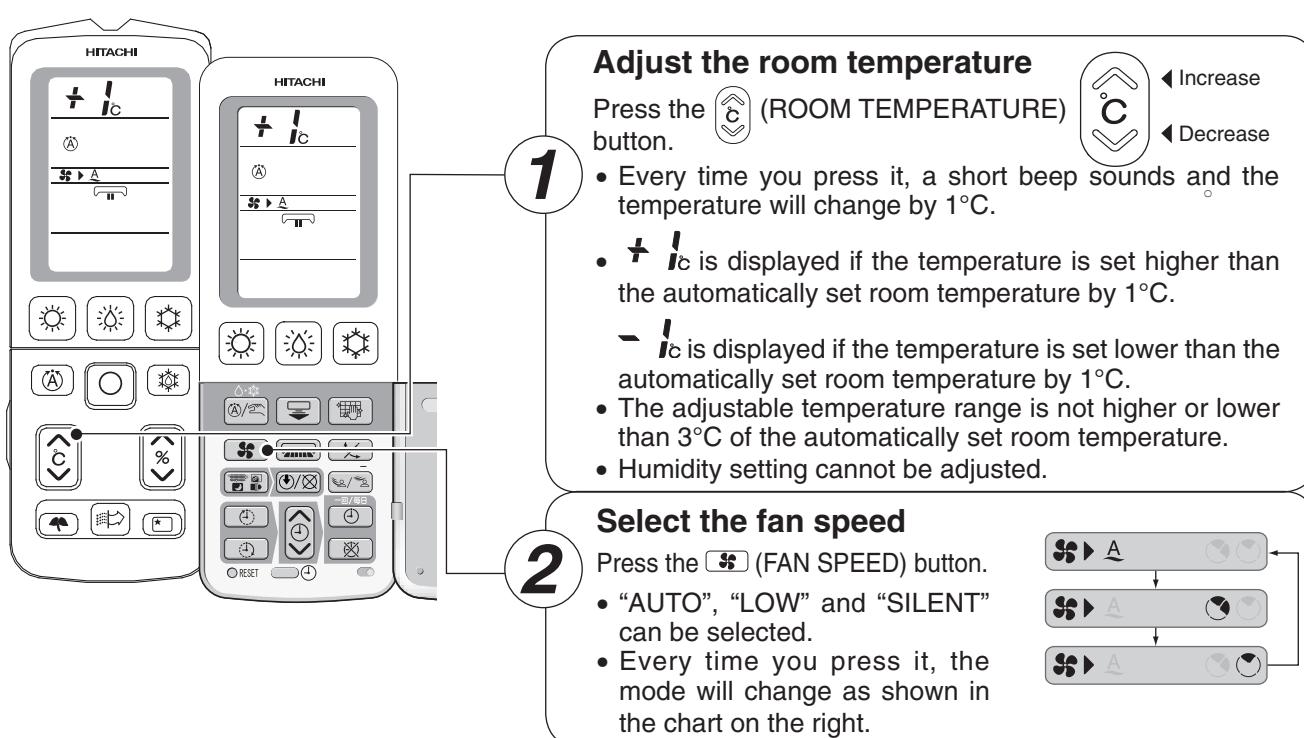


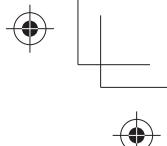
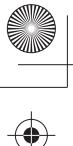
### AUTOMATIC OPERATION

<b>Heating</b>	• Performs heating operation when the room temperature is below 23°C. Set the temperature to be around 23°C.
<b>Dehumidifying</b>	• 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.
<b>Cooling</b>	• 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.

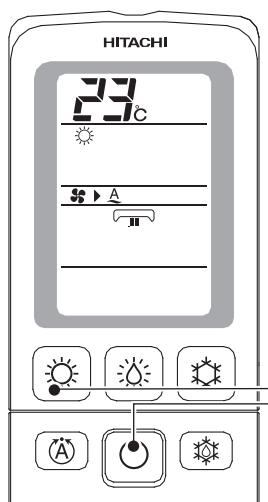
Room temperature and fan speed can be adjusted to your preference.





## 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.

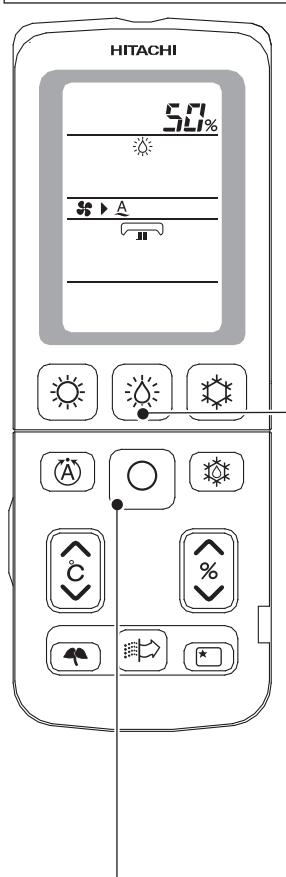
**STOP**

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.



- **In auto dehumidifying mode, fine adjustment of room temperature, humidity adjustment and fan speed selection 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 and fan speed selection 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.



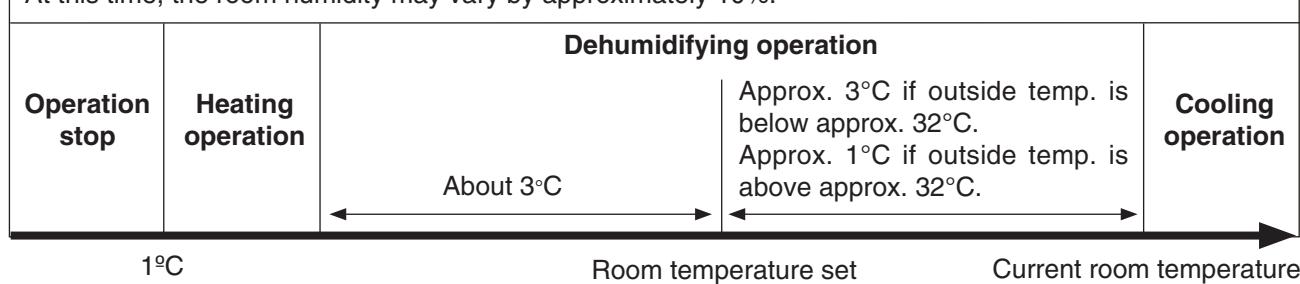
ENGLISH

## DEHUMIDIFYING OPERATION (continued)

Operation mode	In this situation	Operating mechanism
<b>Auto Dehumidifying</b>	• In damp weather	<ul style="list-style-type: none"> <li>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)</li> <li>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.</li> <li>The operation mode may automatically be switched to cooling or heating for temperature control. (Refer to table below)</li> </ul>
<b>Quick Laundry</b>	• To dry the laundry quickly	<ul style="list-style-type: none"> <li>Detects outdoor temperature, room temperature and humidity to automatically select the most suitable combination of heating and powerful dehumidifying operations.</li> <li>This operation is performed together with stainless plasma air purifying operation.</li> <li>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.</li> <li>3-hour timer function is used for this operation mode.</li> </ul>
<b>Condensation Control</b>	• When controlling condensation formed on windows in winter time	<ul style="list-style-type: none"> <li>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.</li> <li>2-hour timer function is used for this operation mode.</li> </ul>

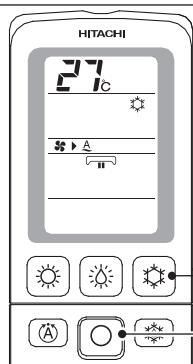
- Be careful when condensation control operation is performed if the outside temperature is low as it will lower the room temperature.
- ⌚ (OFF TIMER) and ⌚ (ON TIMER) (page 26), which are to be set using clock function, are not available during dehumidifying (quick laundry and condensation control modes) 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 17)
- 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 18)

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.



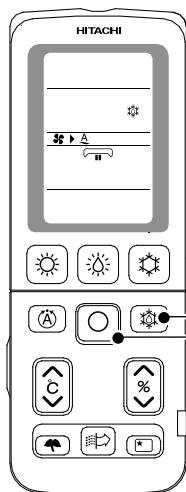
Press the ☰ (COOL) button.  
• Adjust the room temperature and fan speed to your preference.  
Temperature range between 16°C~32°C can be set.

Press the ☰ (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 and fan speed 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.)

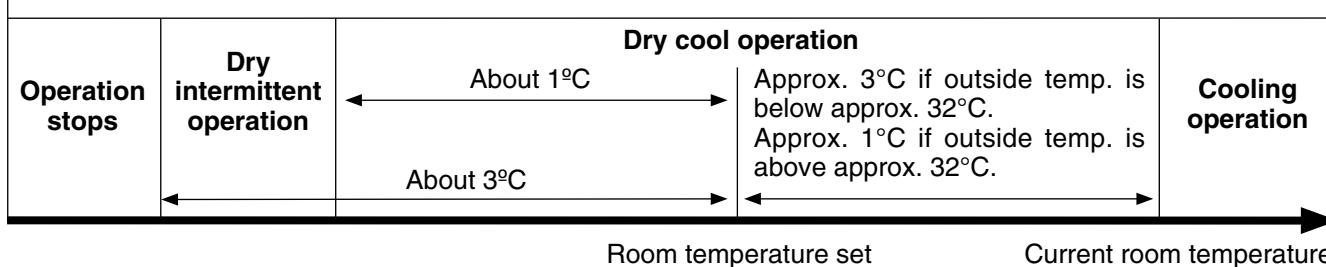
Press the  (STOP) button.

- A short beep sounds and dry cool operation stops.

<b>Temperature to be set</b>	Based on the detected outside and room temperature, the temperature is set on an hourly basis within the range of 24~28°C.	• Even if the room temperature reached the preset temperature, the air conditioner may continue to operate if the preset humidity has not been reached.
<b>Humidity to be set</b>	50% when temperature above 27°C is set. 55% when temperature of 26°C is set. 60% when temperature below 25°C is set.	

- If you want to set the desired temperature and humidity during dry cool operation, we recommend you use the manual cooling operation. (Page 17)

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.



**Use the air conditioner following the operation conditions outlined below.**

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

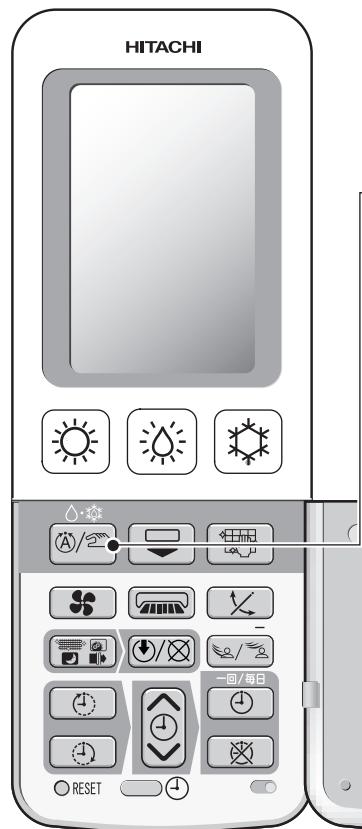


ENGLISH

## SWITCHING BETWEEN AUTO/MANUAL DEHUMIDIFYING/DRY COOL OPERATION

The AUTO/MANUAL button  allows you to set the temperature and humidity manually during dehumidifying/dry cool operation.

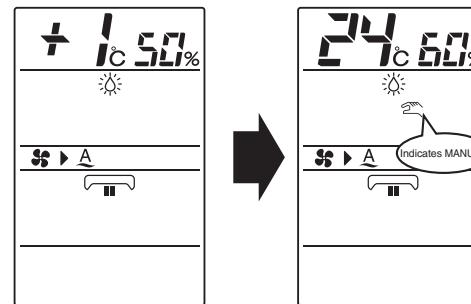
※The default setting is AUTO.



Press the  AUTO/MANUAL button.

- Switches to the manual mode if the machine is working in the auto dehumidifying/dry cool operation.
- Switches to the auto mode if the machine is working in the manual dehumidifying/dry cool operation.

Example: Dehumidifying



### Setting Range of AUTO/MANUAL Operation

#### ● Adjustment Range of Dehumidifying Operation

	Room Temperature	Humidity
Auto Dehumidifying operation	Auto-controlled temperature $\pm 3^{\circ}\text{C}$	40% ~ 70%
Manual Dehumidifying operation	10°C ~ 32°C	40% ~ 70%

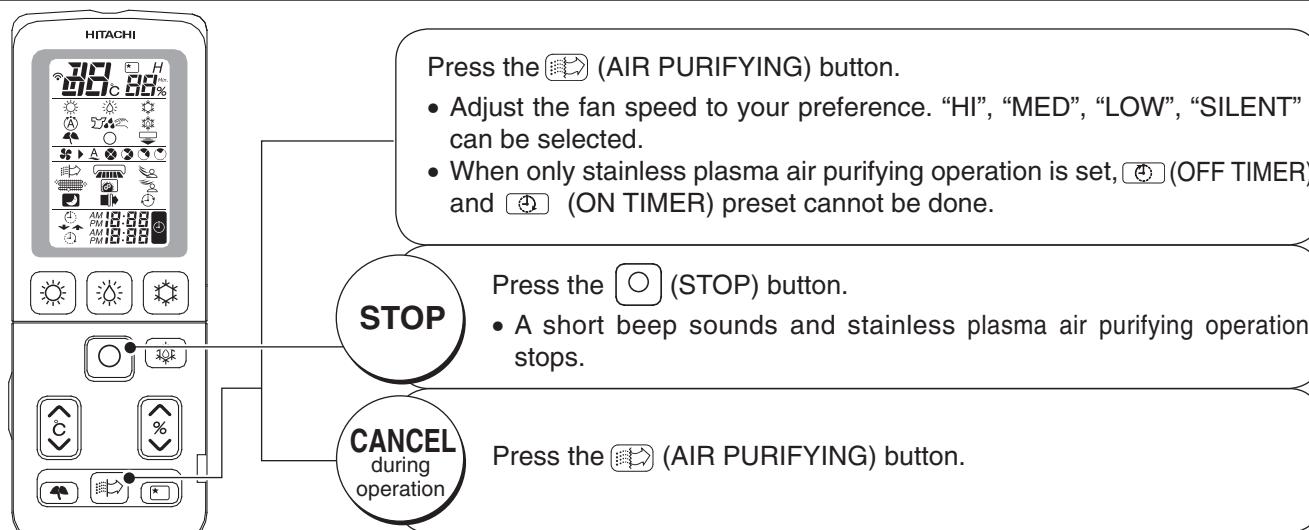
#### ● Adjustment Range of Dry Cool Operation

	Room Temperature	Humidity
Auto dry cool operation	Auto-controlled temperature $\pm 3^{\circ}\text{C}$	Automatically adjusted in the range of 50% to 60%
Manual dry cool operation	16°C ~ 32°C	40% ~ 70%



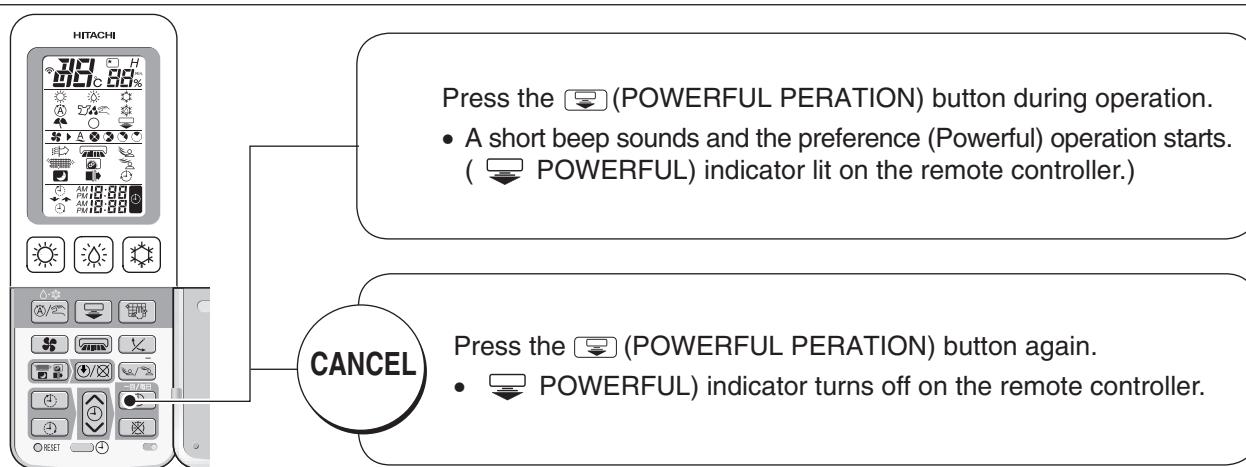
## STAINLESS PLASMA AIR PURIFYING (FAN) OPERATION

- 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.



## POWERFUL OPERATION

- By pressing the (POWERFUL PERATION) 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)



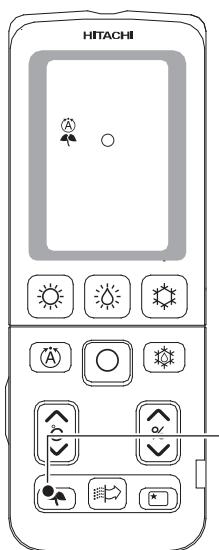
Operation mode	In this situation	Operating mechanism
Heating	• When you want the room to be a little warmer	<ul style="list-style-type: none"> <li>• Set approximately 2°C higher than the preset temperature. Powerful heating operation is performed.</li> </ul>
Cooling	<ul style="list-style-type: none">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



ENGLISH

## INFRARED HUMAN PRESENCE SENSING FUNCTION

With the infrared sensor, the air conditioner can detect the activity level in a room and adjust the temperature and humidity automatically, thus achieving the purpose of energy saving.

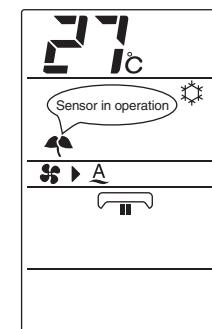


**1**

Press the INFRARED SENSOR button.

- The infrared sensor automatically adjusts the indoor temperature and humidity according to the activity level in the room. However, the temperature and humidity specified by the remote controller remain unchanged.

**Example: Cooling**



- The energy saving effect can be achieved only after the energy-saving temperature control function keeps working for more than 2 hours.
- In the energy-saving temperature-control mode, the energy consumption saved by the air conditioner varies with the activity level.

Operation mode	Operation Description
Heating	<ul style="list-style-type: none"> <li>Reduces the preset temperature in one of the following cases:           <ul style="list-style-type: none"> <li>High activity level</li> <li>High indoor temperature</li> </ul> </li> </ul>
Cooling	<ul style="list-style-type: none"> <li>Raises the preset temperature in one of the following cases:           <ul style="list-style-type: none"> <li>Low activity level</li> <li>Low indoor temperature</li> </ul> </li> </ul>
•  Dehumidifying/Dry Cool	<ul style="list-style-type: none"> <li>Increases the preset temperature in one of the following cases:           <ul style="list-style-type: none"> <li>Low activity level</li> <li>Low indoor temperature</li> </ul> </li> </ul>
Auto	<ul style="list-style-type: none"> <li>Energy-saving operation in auto mode.</li> </ul>

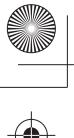
- The tracing function (Page 20) can further reduce the energy consumption.
- After detecting that the person leaves the room for 30 minutes, the air conditioner turns to the energy-saving modes according to the settings in the remote controller as shown in the right table, but the preset temperature and humidity in the remote controller remain unchanged.
- When the air conditioner works in powerful operation, setting the energy-saving mode will cancel the powerful operation.

Operation mode	Actions in case of no person
Heating	Decreases the temperature by 2°C.
Cooling	Increases the temperature by 2°C.
•  Dehumidifying/Dry Cool	Increases the temperature by 5–10%.
Auto	Energy-saving operation in auto mode.

The infrared sensor detects changes to the infrared generated by human bodies. Therefore, the accuracy of infrared sensor may be affected negatively in the following cases:

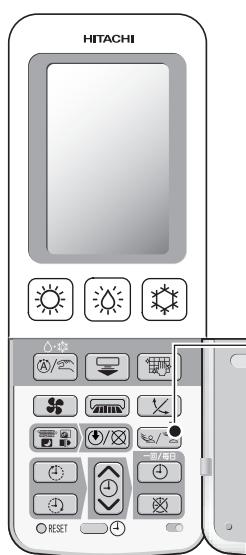
- The activity level is very low (reading, watching TV, etc.) or human bodies are blocked by a screen, cabinet, or glass board.
- The indoor temperature is very high and exceeds or approaches the human body temperature (when the refrigeration just begins).
- The person wears thick clothes and turns his/her back to the air conditioner.
- Curtains or plant leaves swing due to pet movement or airflow.





## DYNAMIC AIR DEFLECTION FUNCTION (TRACING/EVASION)

The infrared sensor can detect the position of people and automatically change the airflow direction.

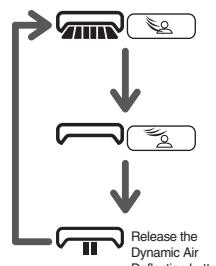


**1**

Press the AUTO AIR DEFLECTION button to switch the air deflection mode.

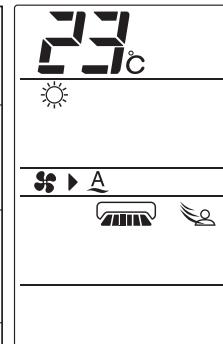
Pressing the DYNAMIC AIR DEFLECTION button

Operation Description



- (Tracing) Adjusts the airflow direction automatically to send the air flow to the location of the person.
- (Tracing) Adjusts the airflow direction automatically to keep the air flow away from the location of the person.
- Return to the setting prior to the dynamic air deflection mode.

Example: Heating



- After the dynamic air deflection mode is set, the sensor usually works once every 15 seconds to 3 minutes to detect the position of the person and adjusts the airflow direction accordingly.  
(The airflow direction does not change with the movement of human body immediately.)
- If the dynamic air deflection mode fails to achieve the desired effect, adjust the airflow direction manually.
- When the machine works in cooling, dehumidifying, or dry cool operation after the dynamic air deflection is set, if the indoor humidity/temperature is very high, the left/right/upper/lower air deflectors may change their angles to prevent drop of condensed water. After the temperature falls, the air conditioner returns to the dynamic air deflection status.

### ■ How to change the detection speed of the sensor of the dynamic air deflection (tracing/evasion) function:

- There are 2 detection speeds: "Standard" (by intervals of 15"-3') and "Slow" (by intervals of 1'-10').
- The remote controller is set to the standard speed by default.
- When the detection speed of the sensor is too high, set the detection speed to "Slow"  
(when people and pets in the room behave frequently, resulting in frequent changes to the airflow direction).

Set the detection speed of the sensor to "Slow".

**1**

After the running stops, hold down for more than 5 seconds while pressing and holding .

- At this time, the air conditioner beeps for signal receiving.
- Return to the "Standard" mode by repeating the above procedure (until the air conditioner beeps for signal receiving).

In addition to "Standard" and "Slow" modes, you can also fine tune the detection speed of the sensor.



Fine tune the detection speed of the sensor

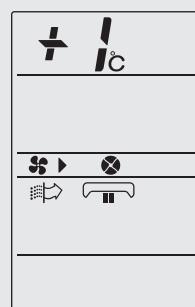
**2**

Hold down after the running stops

**3**

Select the desire setting.

(Finely tuned within +3 to -3. The indicator turns off 10 seconds later)



**4**

Press the (STOP) button

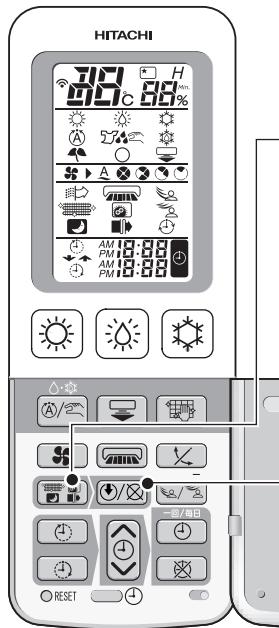
• The settings are saved.



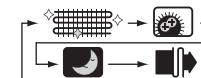
ENGLISH

## 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.

**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.

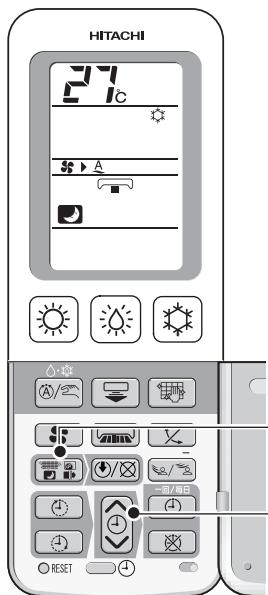
- A short beep sounds and  (INTERNAL CLEAN) indicator turns off on the remote controller.

- 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.)

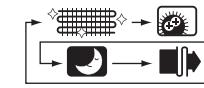


## SLEEP OPERATION

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.

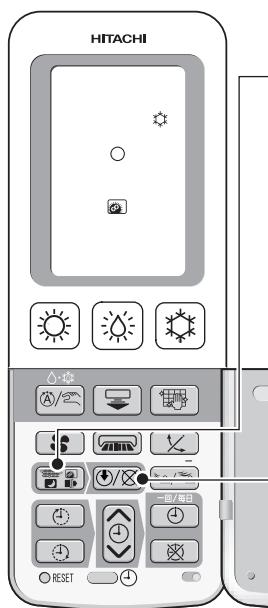
- When in cooling operation, the temperature and humidity will be controlled in combination with dehumidifying operation.
- When in dehumidifying or dry cool mode, temperature is controlled to a comfortable level with the preset humidity target level of 60%.
- When in heating operation, temperature is 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.



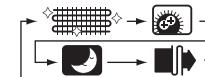
ENGLISH

## 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) and (MONITOR) indicators on the indoor unit turns on.

**CANCEL**

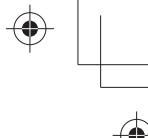
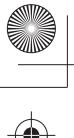
Press the (FUNCTION SELECTOR) button again until (MOLD MONITOR) blinks.

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.





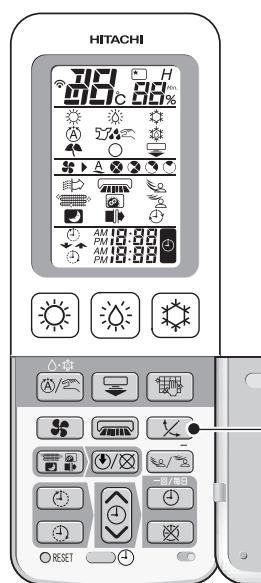
## ADJUSTING THE VERTICAL AIRFLOW DIRECTION

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

Cooling operation	Dehumidifying/ Dry Cool operation	Heating operation
About 15°	About 10°	About 50°

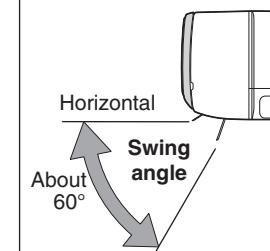
### Set automatically

- 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 25)  
(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 stops. The horizontal air deflector will return to the preset position 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

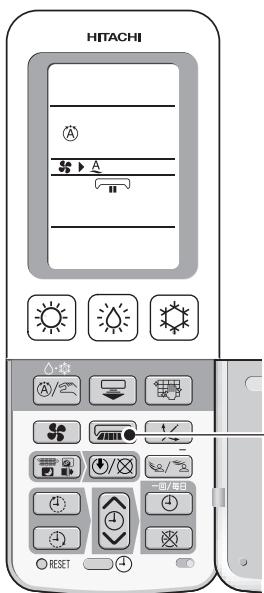
**DO not operate long hours with cooling, dehumidifying, dry operation, airflow swing operation nor the vertical air deflector in downward state.**

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



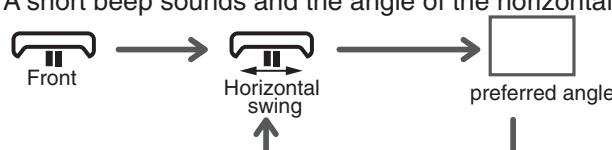
ENGLISH

## 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.



- The movements of the left and right air deflectors displayed in the remote controllers are not synchronous with movements of the actual air deflectors.

### 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.
- The movement scope of the left/right air deflectors are set to the following 5 positions:



**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

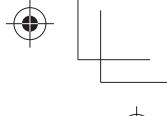
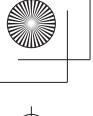
**Do not operate long hours with cooling, dehumidifying, dry cool operation and horizontal airflow swing operation.**

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





## TIMER PRESET OPERATION

3 types of timers,  $\ominus$  (OFF TIMER)  $\rightarrow$   $\oplus$  (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.

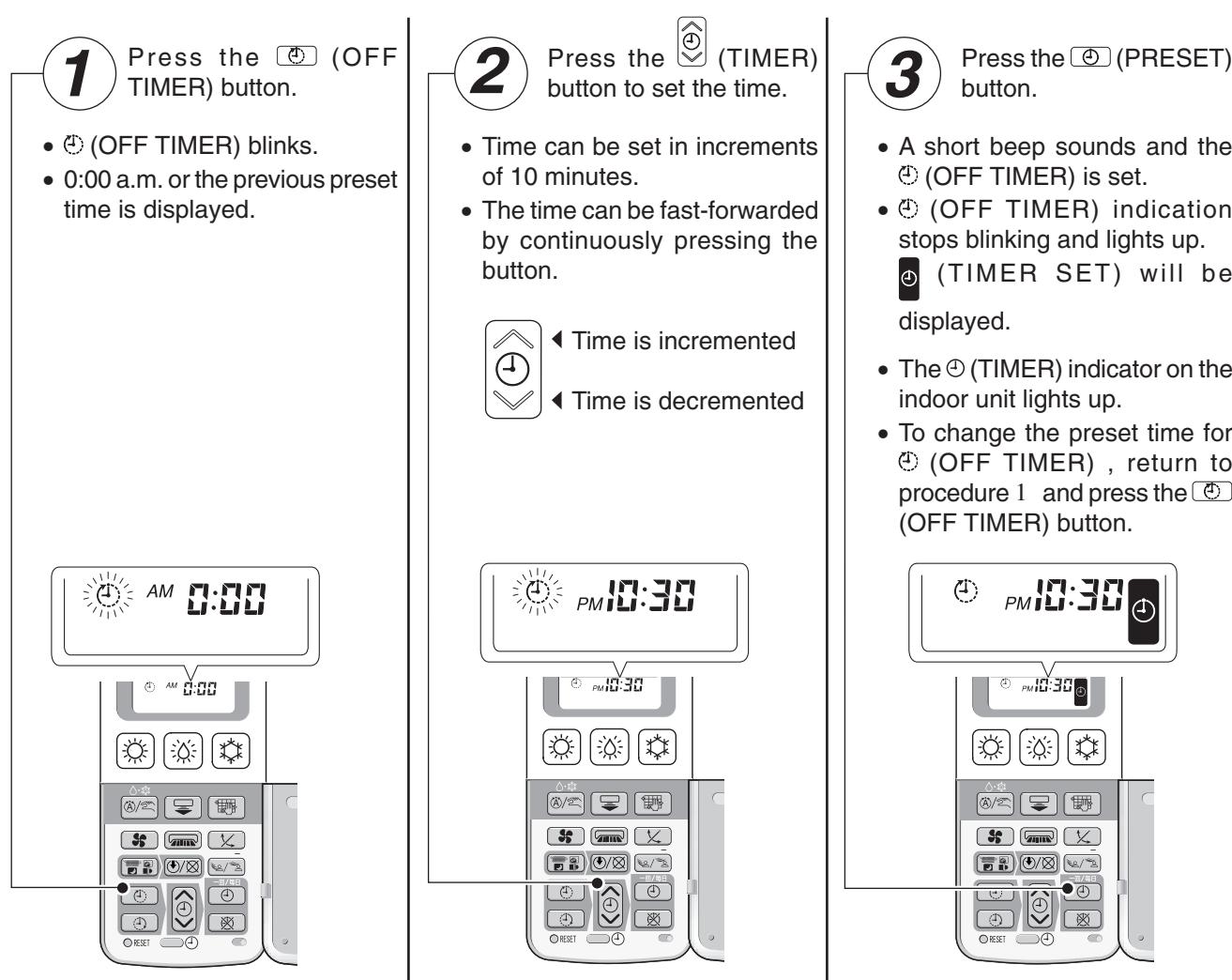
#### For $\oplus$ (ON TIMER) preset

- 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) $\rightarrow$ $\oplus$ (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.



ENGLISH



### How to cancel the preset timer

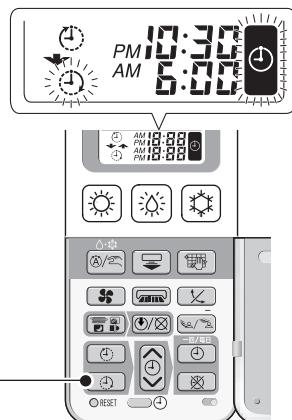
Press the (CANCEL) button.

(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 (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.

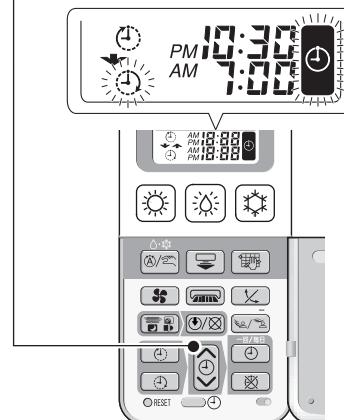
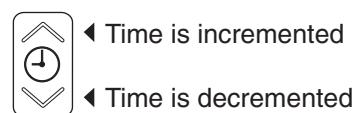
**4** Press the (ON TIMER) button.

- (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.



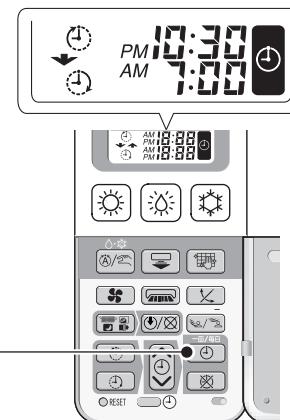
**5** Press the (TIMER) button to set the time.

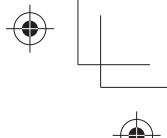
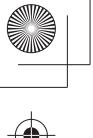
- Time can be set in increments of 10 minutes.
- The time can be fast-forwarded by continuously pressing the button.



**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

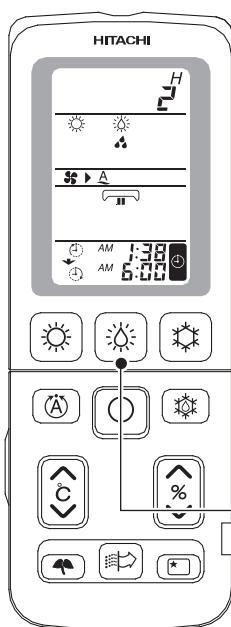
Dehumidifying (Condensation control) operation and (ON TIMER) for heating operation can be set at the same time.

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

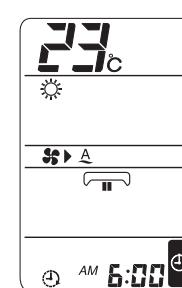
- Dehumidifying (Condensation control) operation and (ON TIMER) for heating operation for the next morning can be set in combination before you go to sleep.

**■ 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 26, 27)

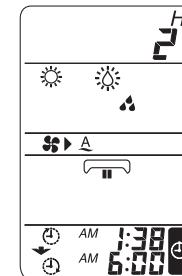


**2**

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.



## SLEEP TIMER OPERATION

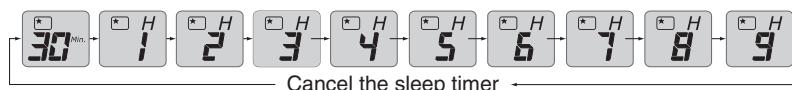
Configuring the fan speed appropriate for sleeping and stop the operation at specified time.

- 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.



- 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.

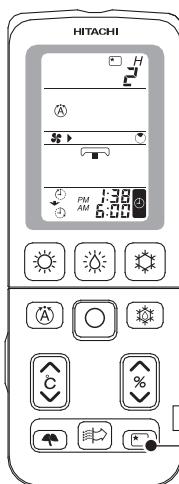
### Combination of Sleep Timer and On Timer operation

- 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 26, 27)

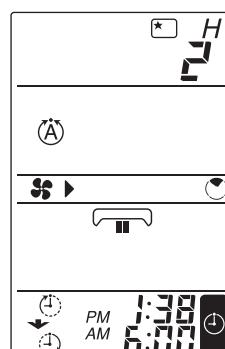
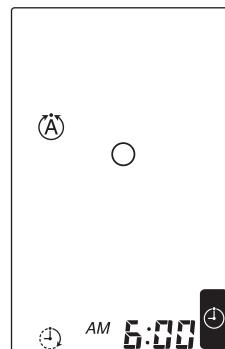


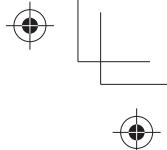
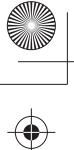
**2**

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 (ON TIMER) indicator of the indoor unit turns on.





# FILTER CLEANING OPERATION

(Filter Cleaning Unit Operation Check, page 10)

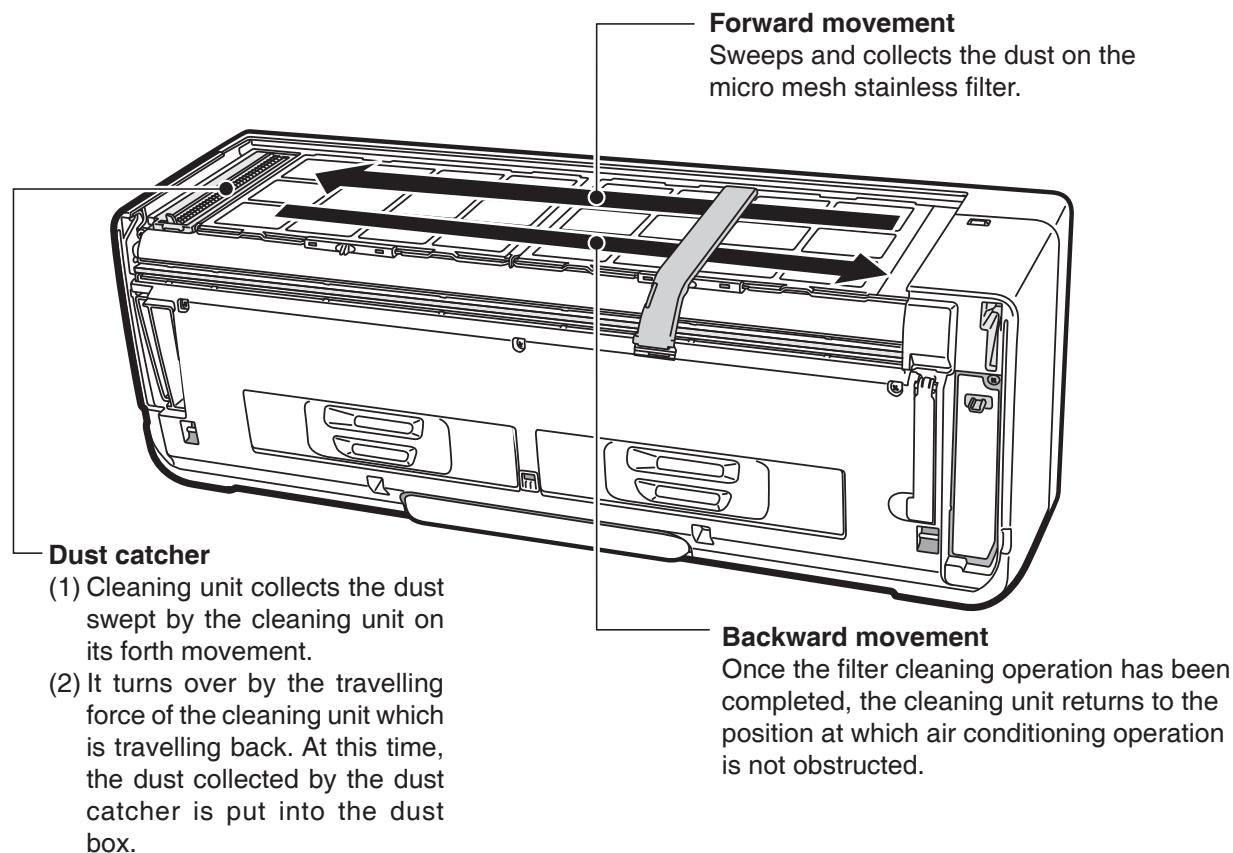
## **CAUTION**

**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 31 for automatic filter cleaning operation)
- Automatic filter cleaning mode is set at the time of purchase.



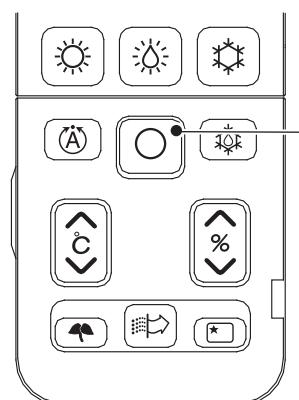
(Troubleshooting, page 41)

- 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 5 minutes.
-  (CLEAN) indicator lit during filter cleaning operation.
- 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 8 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 32)  
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

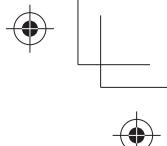
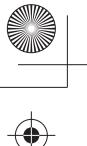
- A whirring motor noise is generated due to driving of the cleaning unit.
- A clapping noise is generated when the dust catcher collects the dust swept by the cleaning unit.
- A clapping noise is generated when the dust catcher is turned over by the cleaning unit.
- A sweeping sound is generated when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

Press the  (STOP) button twice.

- Press  (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 35)
- 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.

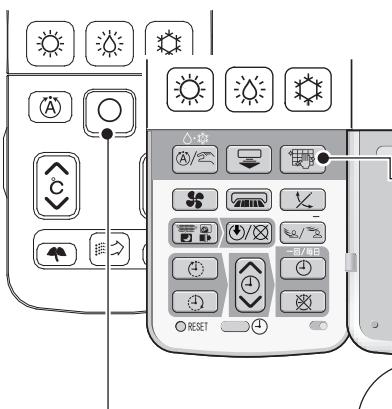




## FILTER CLEANING OPERATION (continued)

### 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 5 minutes.
- During manual filter cleaning operation, movable panel and horizontal air deflectors remain closed when fan operation starts.

**STOP**

Press the (STOP) button twice.

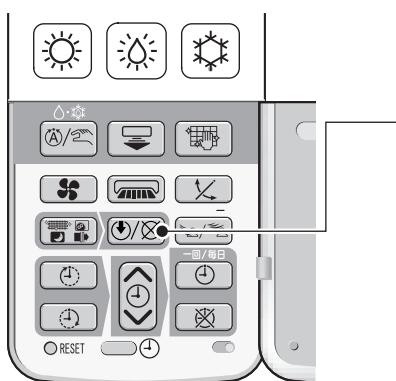
- Press (STOP) button on the remote controller twice to stop the process of filter cleaning operation.

### 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 34)
- 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 34~38)

#### 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.



ENGLISH

**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 32)**
- 4 Set to prohibit the filter cleaning operation again.**

(Method of setting 1 , 2 , 4 , page 32)

- 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 35)

**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)

- **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**

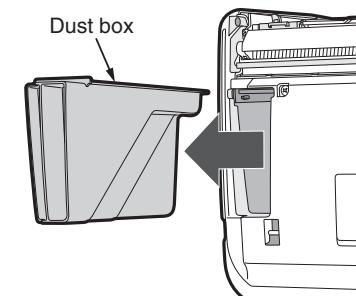
- Before cleaning, stop unit operation with the remote controller and turn off the circuit breaker.

**⚠ CAUTION**

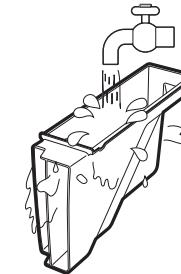
- Do not expose the unit to water as it may cause an electric shock.
- For cleaning inside the air conditioner, consult your sales agent.
- Avoid using detergent when cleaning the heat exchanger of the indoor unit. Unit failure may result.
- When cleaning the heat exchanger with a vacuum cleaner, make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

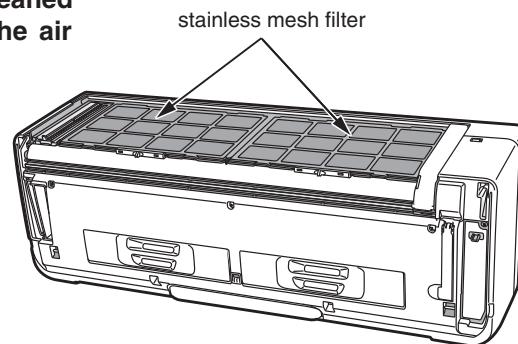
**3 Turn on the power supply (or turn on the circuit breaker).**



ENGLISH

## Maintenance of Stainless Mesh Filter

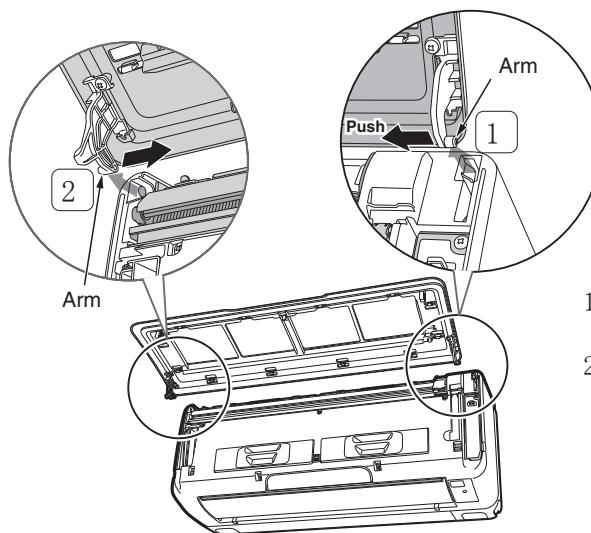
No daily maintenance is required. However, filter should be cleaned if the dirt is noticeable due to the environment in which the air conditioner is used.



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

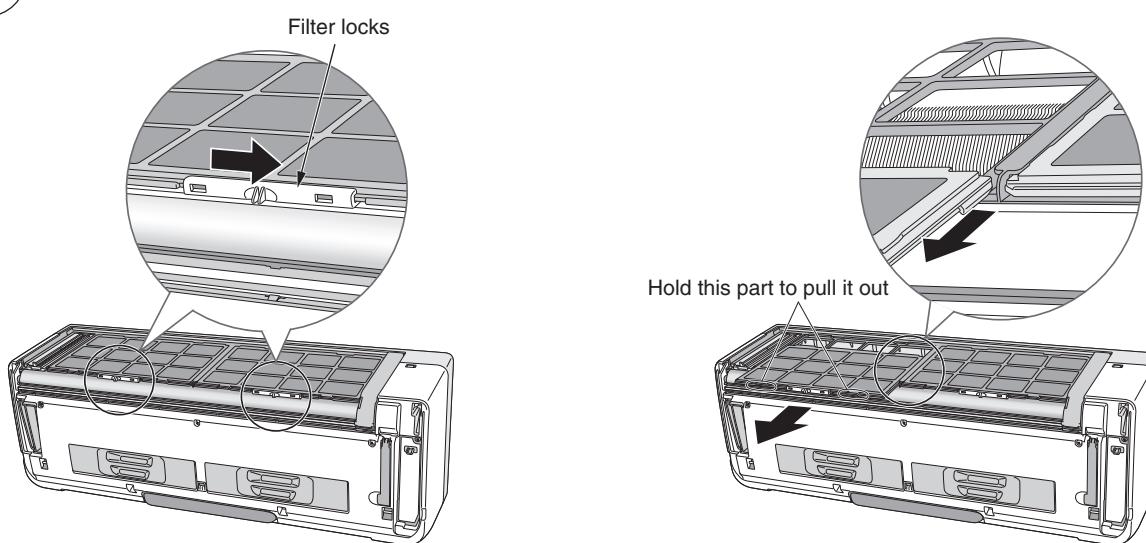
- 2 Open the front panel.**  
(Refer to page 8 on opening the front panel)

- 3 Remove the front panel.**



- 1 Push the end of the right-side arm outward to release the tab.
- 2 Move the left-side arm outward to release the left tab, and then pull the panel towards you.

- 4 Remove the front stainless mesh filter.**



- Slide the left and right stainless filter locks towards the direction as illustrated.
- Slightly lift up the stainless mesh filter and pull it out towards you.





## MAINTENANCE (continued)

### Maintenance of mesh stainless filter (continued)

#### 5 Vacuum the dust.

- In the event the stainless mesh 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.

#### 6 Attach the stainless mesh 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.)
- Tighten the left and right filter locks to the indicated direction.

#### 7 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.

#### 8 Close the front panel.

(Refer to page 9 on closing the front panel)

#### 9 Turn on the power supply (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.



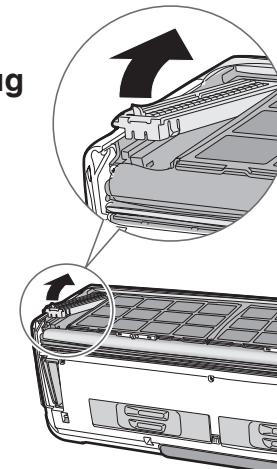
ENGLISH

## 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.

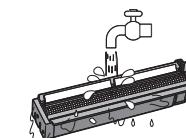
Some type of dust may not go in the dust box but be accumulated on the rear surface of the dust catcher. It is recommended to check the dust amount on the dust catcher approximately once every 2 years and clean the dust catcher if it is dirty.

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

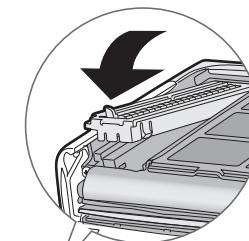


- 2 Remove the front panel.**  
(Refer to page 35 on removing the front panel)

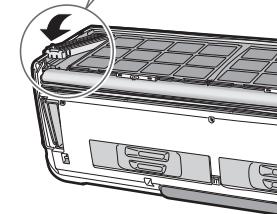
- 3 Remove the dust catcher.**
  - Remove the dust catcher as shown with arrows.
  - If dust is accumulated at the inner side of the dust catcher, remove the dust with a vacuum cleaner.



- 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.



- 6 Attach the front panel.**  
(Refer to page 36 on attaching the front panel)

- 7 Turn on the power supply (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.



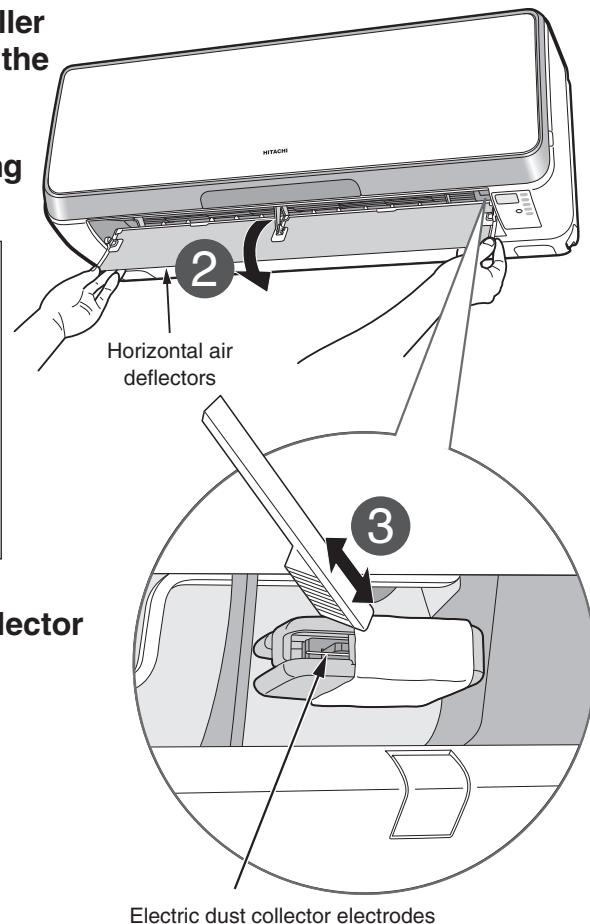
## MAINTENANCE (continued)

### Maintenance of electric dust collector electrodes

- 1** Stop the operation with the remote controller and unplug the power supply (or turn off the circuit breaker).
- 2** 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.



- 3** Remove the dirt on the electric dust collector electrodes with a toothbrush.
  - Be sure to use a dry toothbrush.
  - Lightly brushed off the dust.
- 4** Turn on the power supply.  
(or turn on the circuit breaker)

**CAUTION**

- Do not touch the electric dust collector electrodes 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  
It may cause short circuit or malfunction.



ENGLISH

# UNDERSTANDING THE OPERATING MECHANISM

## NAMES AND FUNCTIONS OF EACH PART (Page 4)

### 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 26)
- 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.

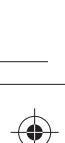
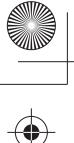
### CAUTION

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



PROHIBITION





## THE IDEAL WAYS OF OPERATION

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

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



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

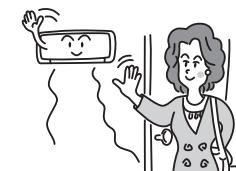


**CAUTION** Make sure the room is ventilated when operating the air conditioner at the same time as other heating appliances.



**3. Make efficient use of mold monitor when going out.**

(Refer to mold monitor)



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

(Refer to page 26~28 on using the timer)



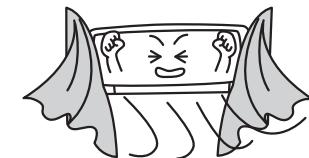
**5. The following must never be used for cleaning the indoor and outdoor units:**

- 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

ENGLISH

## FILTER CLEANING OPERATION

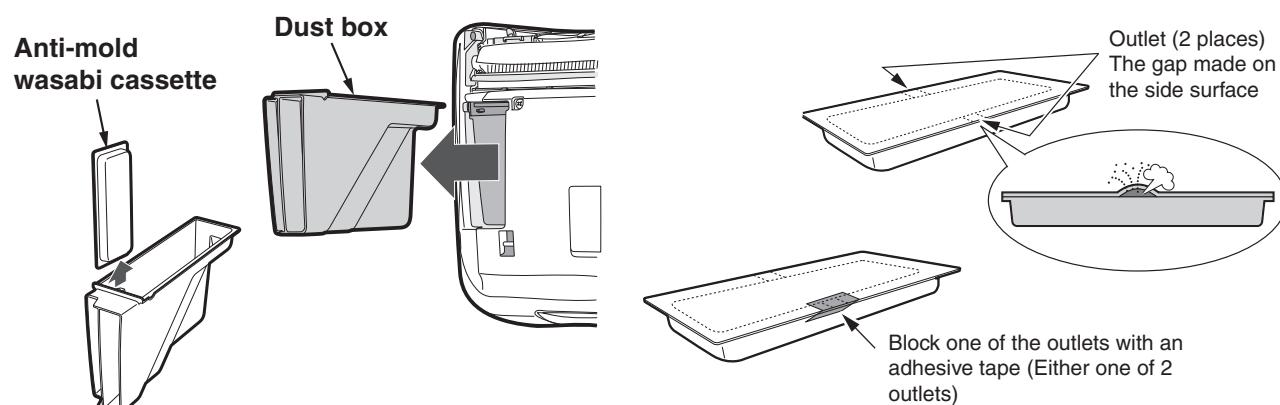
<b>Filter cleaning is performed after the power is turned on (after the plug-in or after the circuit breaker is switched on after power failure)</b>	<ul style="list-style-type: none"> <li>This is for filter cleaning operation check.</li> </ul>
<b>Filter cleaning operation does not start (CLEAN) indicator blinks or lit and dim repeatedly)</b>	<ul style="list-style-type: none"> <li>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)</li> <li>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)</li> <li>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)</li> <li>Are micro mesh stainless filter, dust catcher, filter cleaning wiper, wiper cover correctly installed? (CLEAN) indicator lit for 4 seconds/off for 1 second)</li> <li>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.</li> </ul>
<b>Noise occurred during filter cleaning operation</b>	<ul style="list-style-type: none"> <li>A whirring motor noise is generated due to driving of the cleaning unit.</li> <li>A clapping noise is generated when the dust catcher collects the dust swept by the cleaning unit.</li> <li>A clapping noise is generated when the dust catcher is turned over by the cleaning unit.</li> <li>A sweeping sound is generated when the cleaning unit sweeps the dust.</li> </ul>
<b>Cleaning unit stops halfway</b>	<ul style="list-style-type: none"> <li>After the filter cleaning wiper maintenance, is the cleaning unit return to the right end part using the remote controller?</li> <li>Are micro mesh stainless filter, dust catcher, filter cleaning wiper, wiper cover correctly installed? (CLEAN) indicator lit for 4 seconds/off for 1 second)</li> </ul>
<b>Micro mesh stainless filter is still dirty</b>	<ul style="list-style-type: none"> <li>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.</li> <li>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.</li> </ul>



## TROUBLESHOOTING (continued)

### 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

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



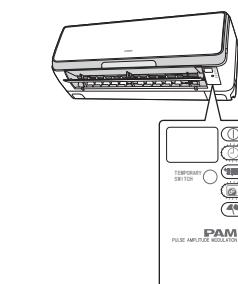
ENGLISH

## TROUBLESHOOTING (continued)

### THE FOLLOWING CASES DOES NOT INDICATE MALFUNCTION

<b>Odors</b>	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.
<b>In heating operation, ① (OPERATION) indicator lit and dim repeatedly</b>	Indicates preheating or defrosting operation is underway.
<b>① (OPERATION), (CLEAN), indicators lit after the operations of cooling, dehumidifying and dry cool</b>	Indicates internal cleaning operation is underway. (Page 21)
<b>Hissing or fizzy sound</b>	Refrigerant flow noise in the pipe or valve sound generated when flow rate is adjusted.
<b>Squeaking noise</b>	Noise generated when the unit expands or contracts due to temperature changes.
<b>Rustling sound</b>	Noise generated with the indoor unit fan's rpm changing such as operation start times.
<b>Clicking sound</b>	Noise of the motorized valve when the unit is switched on.
<b>Operation sound changes</b>	Operation noise changes due to power variations according to room temperature changes.
<b>Mist emission</b>	Mist is generated as the air within the room is suddenly cooled by conditioned air.
<b>Steam emitted from outdoor unit</b>	Water generated during defrosting operation evaporates and steam is emitted.
<b>Outdoor unit continues to operate even if operation is stopped and ① (OPERATION) indicator blinks</b>	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).
<b>Preset temperature cannot be reached</b>	Depending on the number of person in the room and the conditions of the room, actual room temperature may deviate slightly from the remote controller's setting.





## TROUBLESHOOTING (continued)

### CONTACT YOUR SALES AGENT IMMEDIATELY ON FOLLOWING CASES

In the event that any trouble or phenomenon listed below still occurs even after a check has been conducted according to the troubleshooting procedures on page 41~44, 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

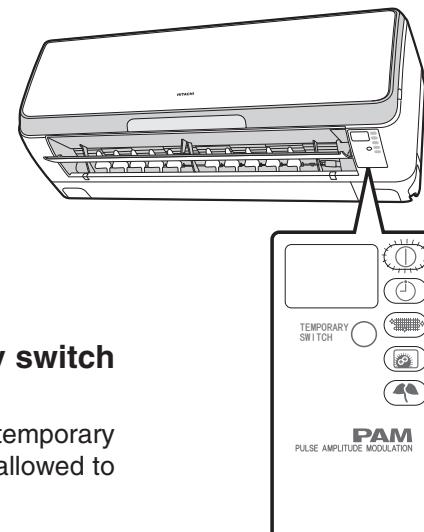
Press the temporary switch to start temporary operation if the remote controller cannot function due to dead batteries.

**1** Disconnect the power supply.  
(Or turn off the circuit breaker.)

**2** Reconnect the power supply.  
(Or turn on the circuit breaker.)

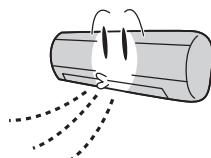
**3** Automatic operation starts when the temporary switch is pressed.

- 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.

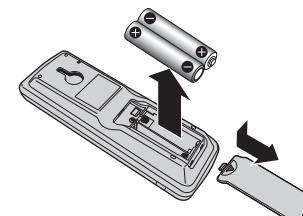


- On a sunny day, perform stainless plasma air purifying (Fan) operation for approximately one half day. Mold can easily grow if air conditioner is not used for a long period of time while its inside is left wet.

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



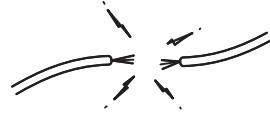
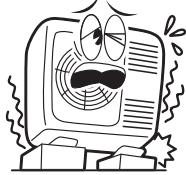
**3** Remove the batteries from the remote controller.



ENGLISH

## REGULAR INSPECTION

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

	<b>WARNING</b>	<p><b>Is the plug plugged into the socket firmly?</b>  <b>If the earth line is disconnected or faulty, unit failure or electric shock hazard may result.</b></p> <ul style="list-style-type: none"> <li>• If the plug have dust or dirt, please clean it before plug in.</li> </ul>
	<b>WARNING</b>	<p><b>Is the unit's earth line connected correctly?</b>  <b>Please make sure earth line is connected correctly.</b></p> <ul style="list-style-type: none"> <li>• If the earth line is disconnected or faulty, it may result in malfunction or electric shock.</li> </ul>
	<b>WARNING</b>	<p><b>Is the mounting frame stable?</b>  <b>Check to see if the mounting frame has rusted excessively or if the outdoor unit has tilted or become unstable.</b></p> <ul style="list-style-type: none"> <li>• If the outdoor unit collapsed or fell, it could cause injury.</li> </ul>

## 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.

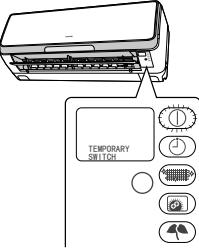
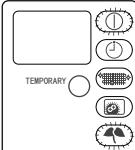
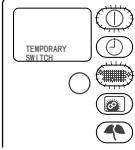
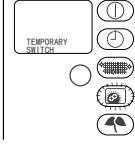
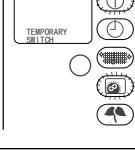
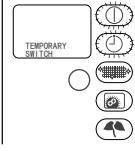
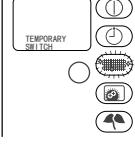
#### Request your sales agent for maintenance inspection

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

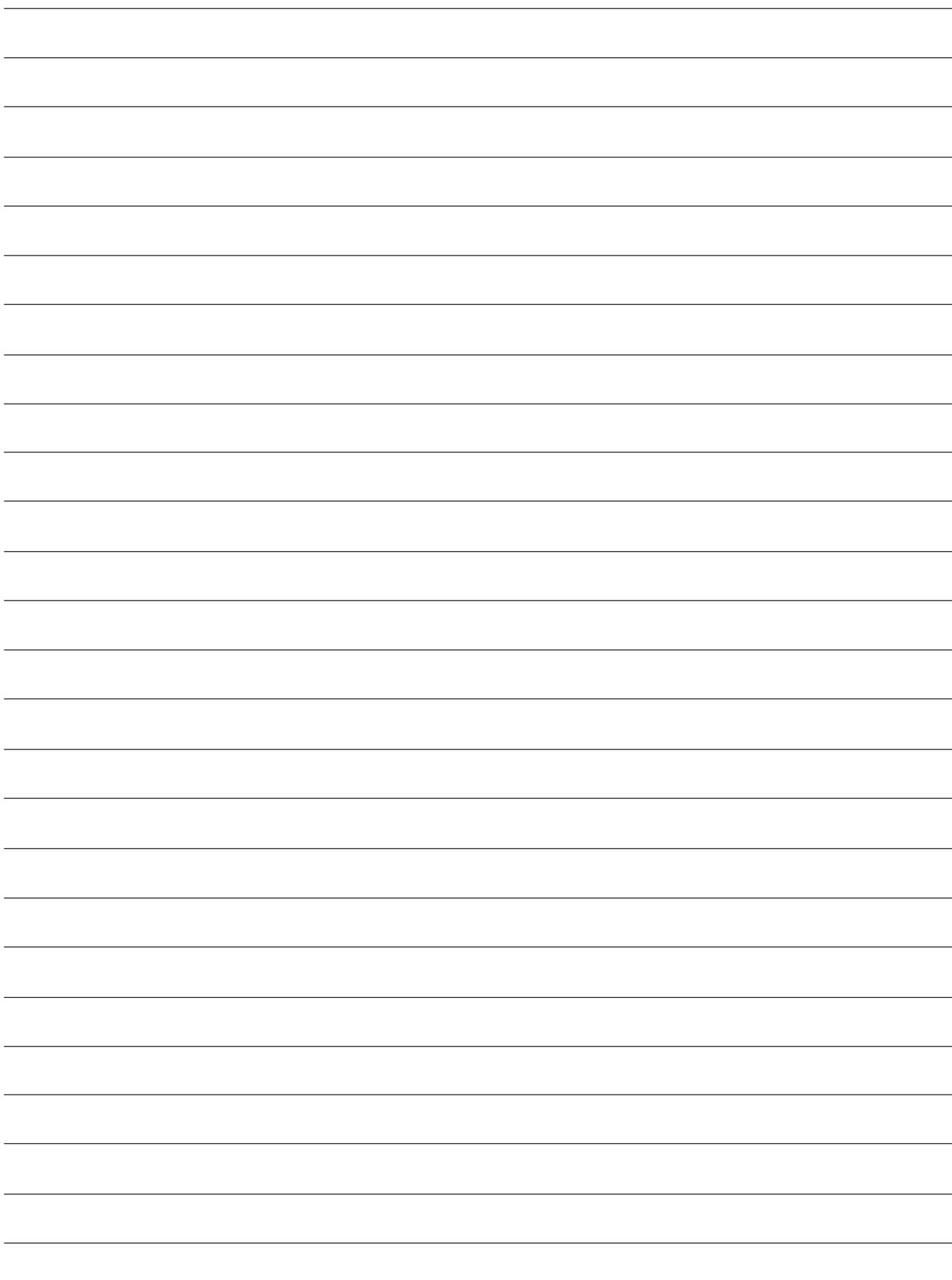
Display	Operation mode
	<ul style="list-style-type: none"> <li>Automatic operation (page 13)</li> <li>Heating operation (page 14)</li> <li>DEHUMIDIFY (Auto dehumidifying, condensation control, Quick laundry) operation (page 14)</li> <li>Cooling operation (page 15)</li> <li>Dry cool operation (page 16)</li> <li>Stainless plasma air purifying operation (page 18)</li> <li>Combined operation of automatic, manual, heating, dehumidifying, cooling, dry cool operations and Stainless air cleaning operation (page 18)</li> </ul>
	<ul style="list-style-type: none"> <li>Infrared human presence detection (page 19)</li> <li>Dynamic air deflection (tracing/evasion) (page 20)</li> </ul>
	<ul style="list-style-type: none"> <li>During internal cleaning operation (page 21)</li> </ul>
	<ul style="list-style-type: none"> <li>During preset of the mold monitor operation (page 23)</li> </ul>
	<ul style="list-style-type: none"> <li>During mold monitor operation (page 23)</li> </ul>
	<ul style="list-style-type: none"> <li>Timer preset operation (page 26)</li> <li>Sleep timer operation (page 29)</li> <li>(TIMER) indicator lit if timer preset is set in every operations.</li> </ul>
	<ul style="list-style-type: none"> <li>Filter cleaning operation (page 30)</li> </ul>

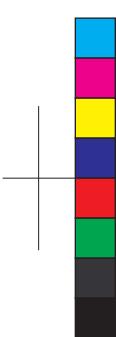
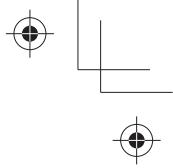
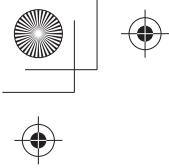




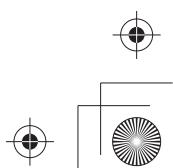
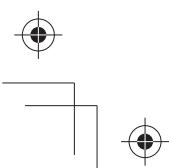
## MEMO

ENGLISH





< 474 : (A) >



# HITACHI

## Inspire the Next

分體式冷氣機

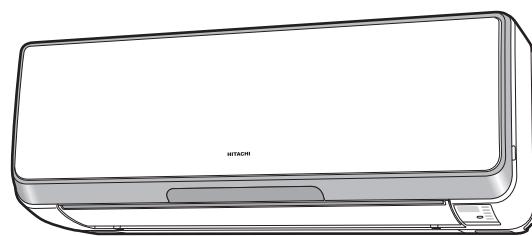
室內機 / 室外機

體  
國  
中



型號  
**RAS-SX18HAK / RAC-SX18HAK**

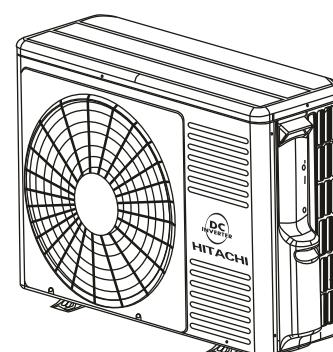
室內機



**RAS-SX18HAK**



室外機



**RAC-SX18HAK**

**Instruction manual**

Page 1~48

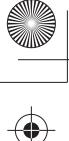
To obtain the best performance and ensure years of trouble free use, please read this instruction manual completely.

**使用說明書**

49 ~ 95 頁

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。





# 安全注意事項

- 使用前，請詳細閱讀“安全上的注意事項”以正確的使用機體。
- 在所示注意事項的“**▲ 警告**”和“**▲ 注意**”需特別加以注意。“警告”欄中記載之事項，表示處理錯誤時，可能會造成死亡或重傷，而“注意”欄中記載之事項，因狀況也可能造成重大之後果，所以請務必遵守，以維護安全。
- 標記事項如下。

圖象中的這標記表示禁止事項。

表示務必遵守所示的事項。

- 閱讀完後，請務必妥善保管。

## 安裝方面的注意事項

	<ul style="list-style-type: none"> <li>不要進行改裝。 如進行改裝，會造成漏水、故障、觸電和火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>要委託用戶購買本產品的銷售店或專業人員進行安裝。 用戶自行安裝，如出現差錯會造成漏水、觸電或火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>請使用接地線。 請不要將接地線連接在燃氣管道、自來水管、避雷針和電話機的接地線等上。 如接地不充分，一旦出現故障或漏電，就會引起觸電或火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>請務必使用所指定的R410A。否則，可能會造成銅管破裂及故障。</li> </ul>	
	<ul style="list-style-type: none"> <li>依設置場所狀況，有必要安裝漏電斷電器。 如沒有安裝漏電斷電器時，會有觸電的危險。</li> </ul>	
	<ul style="list-style-type: none"> <li>不要設置在存在可燃性氣體泄漏危險性的地方。否則，萬一氣體泄漏出來積聚在室外機周圍，就有可能出火，引起火灾。配管支撑物的間隔距離最大為1m。</li> </ul>	
	<ul style="list-style-type: none"> <li>要讓除濕水能够得到可靠排水。</li> </ul>	
	<ul style="list-style-type: none"> <li>請確定使用220V的電源。 如使用指定以外的電源，會使電氣部件發熱，引起火灾。</li> </ul>	

## 搬移或修理時的注意事項

	<ul style="list-style-type: none"> <li>出現異常情況(如有焦臭味)時，要停止運轉，拔下電源插頭(或者切斷斷路器)，並與用戶購買本產品的銷售店或用戶諮詢窗口聯繫。在出現異常的情況下繼續使用，會造成故障或引起觸電或火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>需要修理時，要委託用戶購買本產品的銷售店或修理窗口。用戶自行修理時，如出現差錯會引起觸電或火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>如需移動、重新設置冷氣機時，要委託用戶購買本產品的銷售店或用戶諮詢窗口。 用戶自行移動、重新設置時，如出現差錯會引起觸電或火灾。</li> </ul>	

## 使用上的注意事項

	<ul style="list-style-type: none"> <li>不要長時間讓身體直接接觸冷風或過度降溫。</li> </ul>	
	<ul style="list-style-type: none"> <li>不要將室內機和室外機的出風口、吸氣口堵住，或將手指、棍棒等插入其中。 否則會被內部高速旋轉的風扇擊傷或造成故障，或者降低其性能。</li> </ul>	
	<ul style="list-style-type: none"> <li>不要用鐵絲或銅絲等代替安全裝置的保險絲使用。 否則會造成故障或引發火灾。</li> </ul>	
	<ul style="list-style-type: none"> <li>天氣有可能落雷時，要停止運轉並拔下電源插頭(或者切斷斷路器)。</li> </ul>	
	<ul style="list-style-type: none"> <li>在室內／外機的出口起1m之內，請勿放置噴物罐及其它的可燃性氣體。 由於熱氣可增加噴物罐的內壓，可能會造成破裂。</li> </ul>	



## 使用上的注意事項

- 本體是為一般使用而設計，請不要用於特殊用途。



禁止



禁止濕手

- 不要用濕手操作開關。否則會引起觸電。



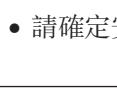
注意

- 與燃燒器具一起使用時，要保證有良好的通風。  
如通風不充分，有可能造成室內缺氧。



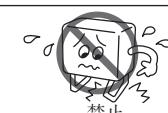
禁止

- 不要將燃燒器具放置在會直接接觸冷氣氣流的地方。  
否則有可能造成燃燒器具的不完全燃燒。

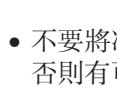


禁止

- 請確定安裝臺是否穩固，不可有損傷的情形，否則室外機會導致受傷。



禁止



禁止

- 不要用水擦洗冷氣，或在冷氣上放置有水的花瓶等容器。  
否則會因漏電引起觸電或出火。



禁止



禁止

- 不要將冷氣安裝在氣流會直接接觸植物的地方。  
否則有可能對植物帶來不良影響。

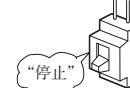


禁止



禁止

- 要進行清潔時，應停止運轉並拔下電源插頭。  
(或者切斷斷路器) 否則會被內部高速旋轉的風扇擊傷或造成故障。



停止



禁止

- 不要騎坐在室外機上或在其上放置重物。



禁止

- 進行制冷、乾爽除濕和涼快運轉時，不要在打開門窗的狀態（室內濕度始終在  
80%以上）下長時間使用。否則上下導風板上有可能會結露，露水多時會滴落弄  
濕家具。



禁止

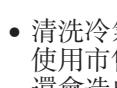


禁止

- 使用時負載不要超過冷氣機的能力(如室內面積超過制冷制熱能力，  
或室內人數過多等)。  
否則有可能達不到設定溫度。



禁止



禁止

- 清洗冷氣機需要專業知識，要與用戶購買本產品的銷售店聯系。  
使用市售的清洗劑等有可能會引起樹脂部件的開裂或堵住排水管路，  
還會造成漏水或觸電。

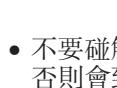


不要碰觸

- 不要碰觸室外機的吸氣口、底面和鋁質散熱片。  
否則會致人受傷。



不要碰觸



禁止

- 不要碰觸制冷劑配管和連接閥。  
否則會致人燙傷。

中國語

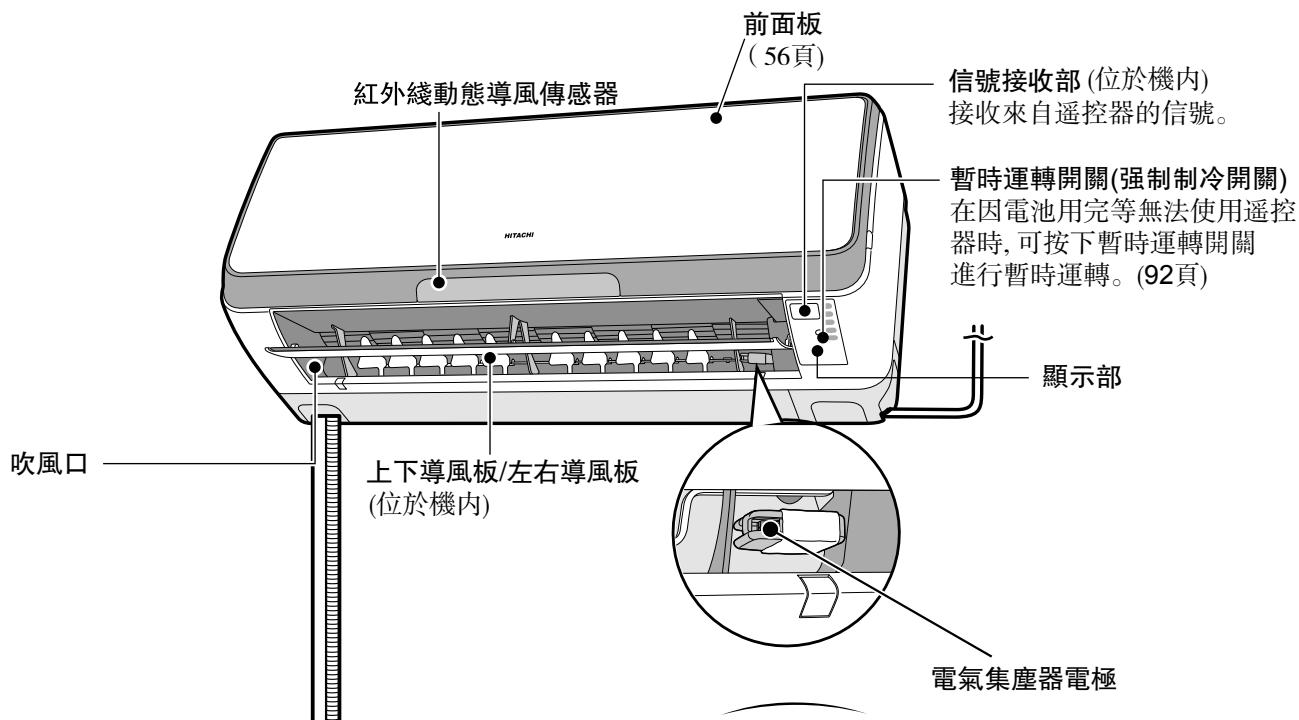
注意



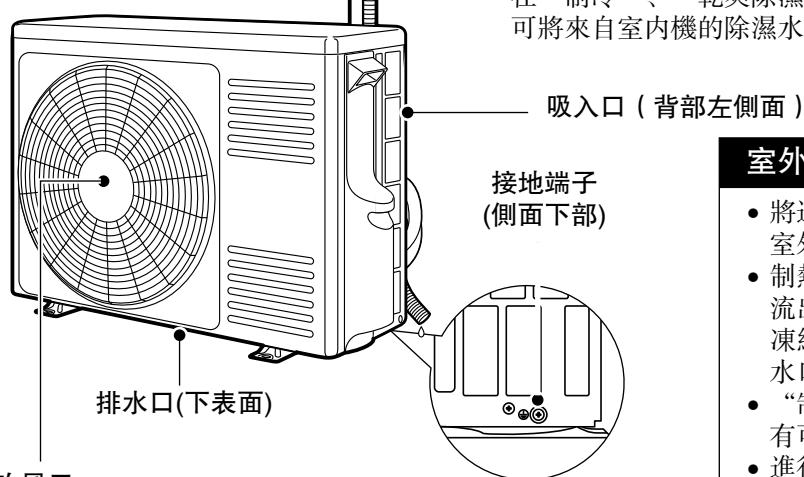
## 各部的名稱和功能

### 室內機

(運轉原理和希望用戶預先了解的事項87頁)



### 室外機



“制熱”運轉時吹出冷風; “制冷” “涼快”運轉時吹出溫風; “乾爽除濕”運轉時吹出溫風或冷風。

- 接通電源後，即使不運轉，控制電路內也會消耗微量電流。切斷斷路器，會有節電效果。

### 室外機的說明

- 將運轉設定為“停止”後，為了冷却電氣部件，室外機的風扇仍會繼續旋轉10 ~ 60秒鐘。
- 制熱時，冷凝水和除霜時的水分會從室外機中流出。在氣候寒冷的地區，這些水分也有可能凍結成冰，所以請不要堵住室外機上開設的排水口。
- “制冷”運轉時，配管等上結露後的冷凝液也有可能流出。
- 進行住宅小區室外機掛裝等時，請在排水口處安裝套筒和排水管，進行排水處理。

#### ⚠ 注意

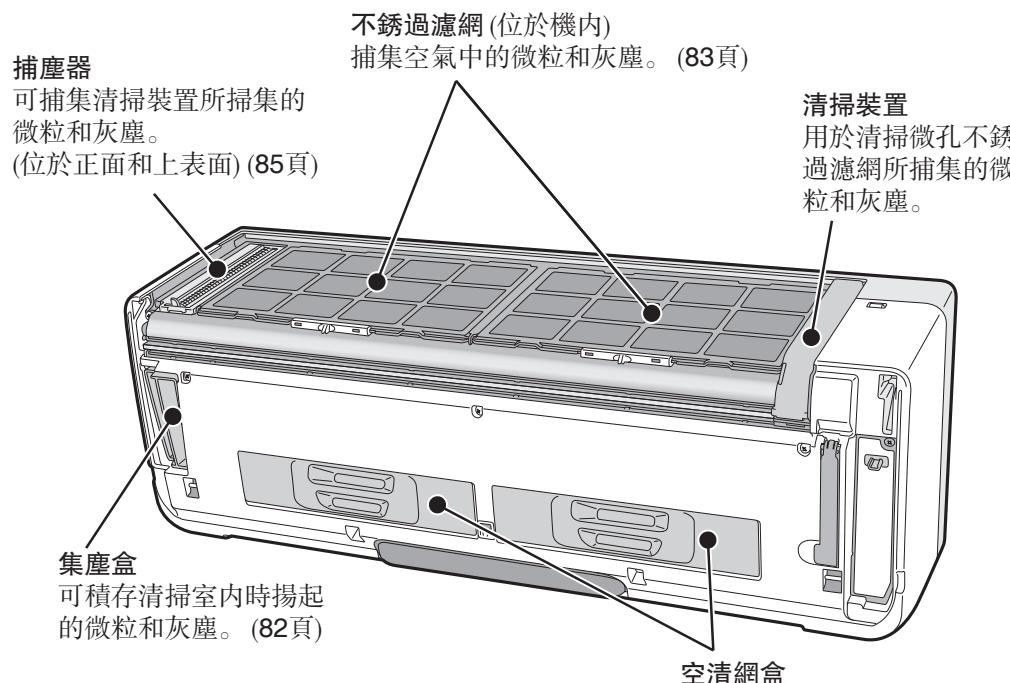
準備長期不使用時，請將電源插頭從電源插座上拔下。  
(或者切斷斷路器。)



中國語

## 室内機操作部和清掃部

打開前面板進行操作。(前面板的打開方法 56頁)

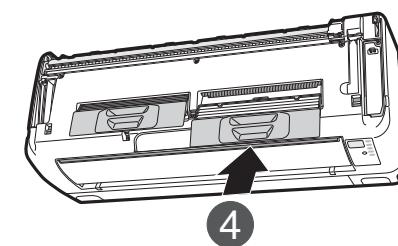
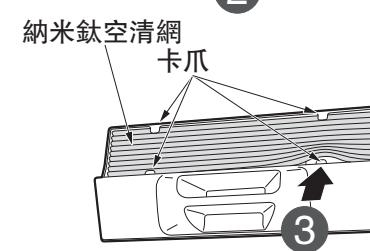
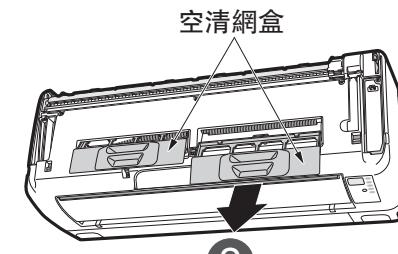


## 納米鉑空清網的安裝方法

### 準備

停止運轉，斷開電源  
(或者切斷斷路器。)

- 1 打開面板。
- 2 按圖示抽出空清網盒，取下。
- 3 按圖示將納米鉑空清網放入插槽內。
- 4 在原位置裝回空清網盒。
  - 「卡入時可以聽到確實卡入的聲音」
  - 「沒有確實卡入的情況下，可能造成異常音或落下」
- 5 閉合前面板。
- 6 連接電源線。(或者合上斷路器。)



※使用空氣清新網後空調能力將有輕微的下降。

清潔時，可使用吸塵器等除去表面塵埃，勿用水洗。(建議約6個月清潔一次，2年左右更換一次。)

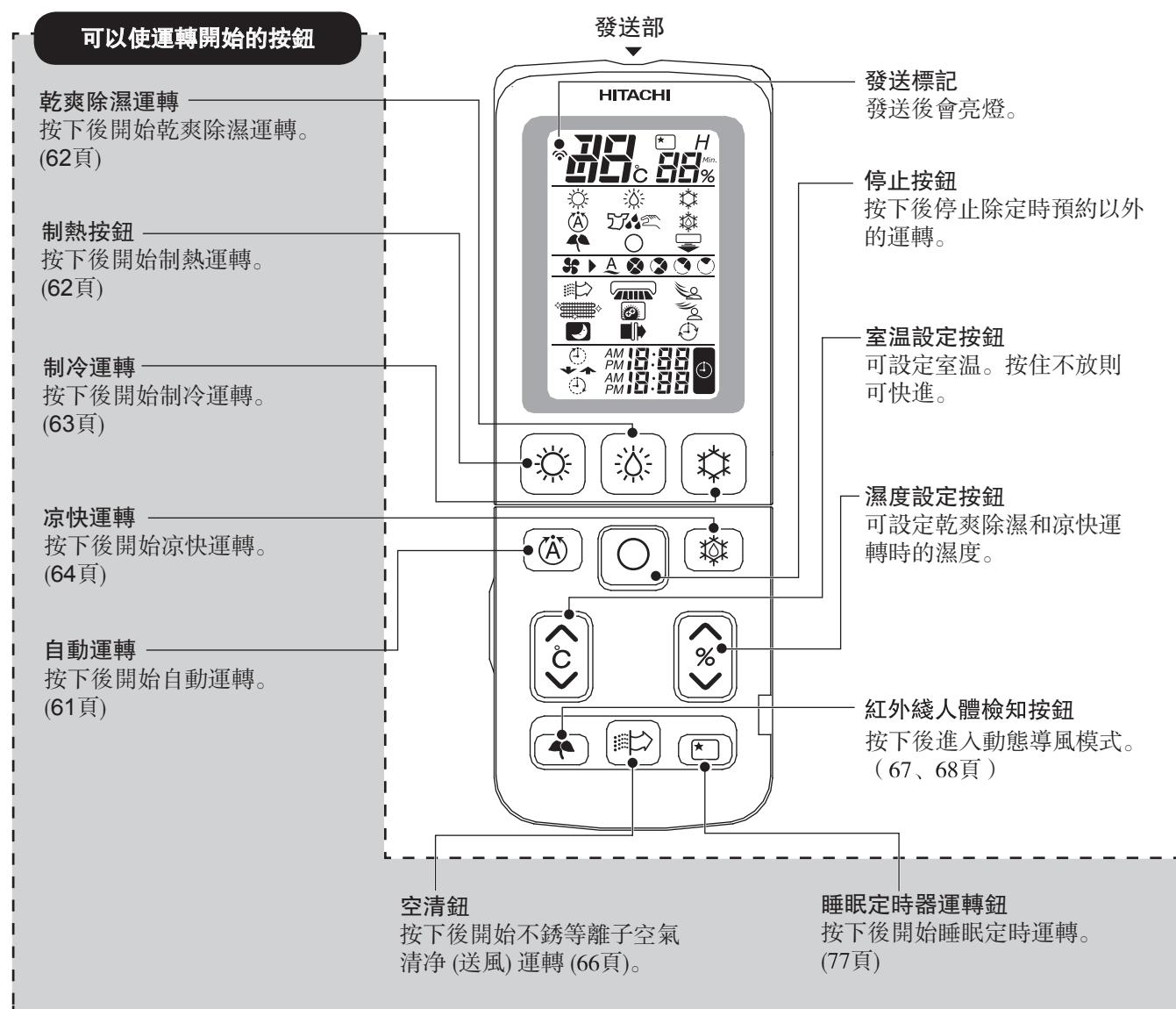


## 各部的名稱和功能 (繼續)

### 遙控器

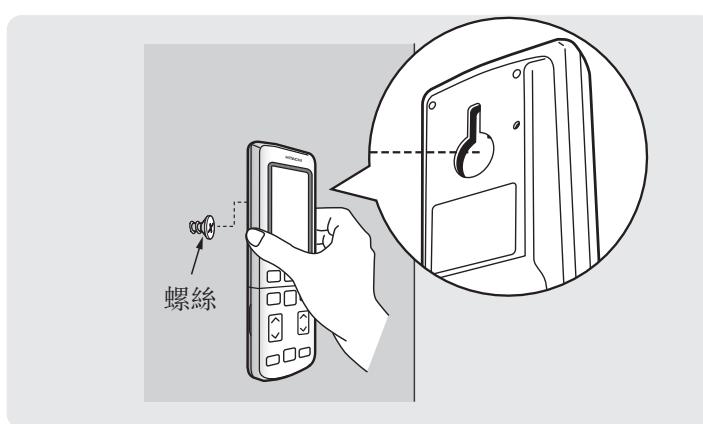
將運轉內容和定時預約內容等信息發送給室內機。

圖中的液晶顯示為按下復位開關後短時間內的顯示。通常這些內容不會全部顯示出來。本房間冷氣機上所不具備的功能也會得到顯示。



也可用附屬的安裝架將遙控器安裝在柱子或牆壁等上面使用。

安裝前, 請先在要安裝的地方確認能够發送信號。



中國語

(打開蓋板後的狀態)

**手動清掃鈕**

在冷氣機運轉停止中，按下後開始過濾網清掃運轉。  
(80頁)

**全功率運轉**

按下後開始強力運轉。  
(66頁)

**手動/自動切換鈕**

按下後切換乾爽除濕、涼快的自動/手動設定。  
(66頁)

**風速切換鈕**

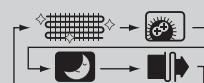
可設定風速。  
可選擇自動、強、弱、微和靜中的任何一種。

**功能選擇部**

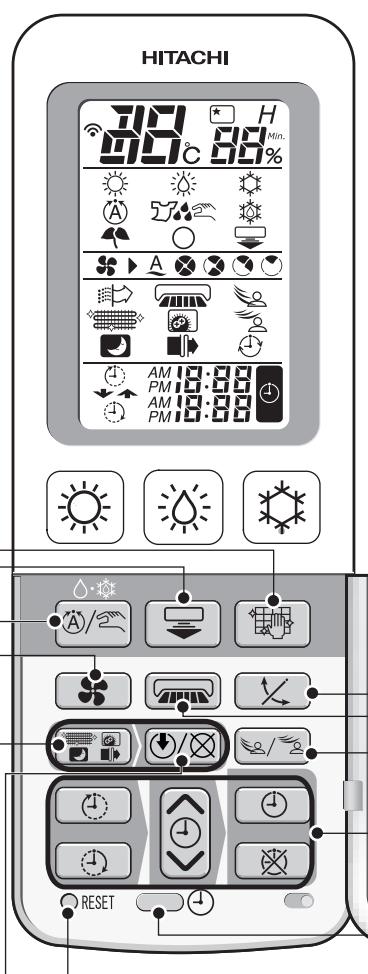
除 ■ [節省] 之外的其他預功能。在冷氣機停止時按下也可以預約，但不會動作。

**功能選擇鈕**

每按1次，會按照下圖的順序轉換閃爍部分。  
(60, 69, 70, 71頁)

**開/關鈕**

可對功能選擇的內容進行設定和取消。

**上下風向鈕**

可使上下導風板擺動或調到喜好的角度。(72頁)

**左右風向鈕**

可使左右導風板擺動或調到喜好的角度。(73頁)

**動態導風鈕**

按下後進行動態導風的運轉。  
(75頁)

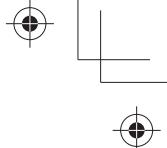
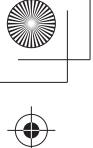
**定時調節部****當前時刻鈕**

用於當前時刻的設定和確認。  
(59頁)

**復位開關**

更換電池後以及動作不正常時，  
請按下本開關。(59頁)

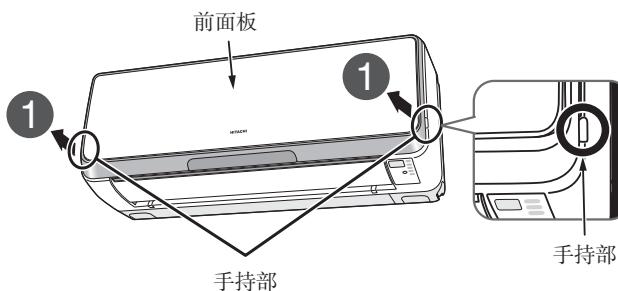




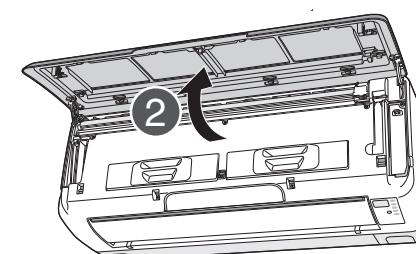
## 防霉芥茉盒的安裝

### 1 打開前面板。

- 開閉前面板時, 請不要手持可動面板。

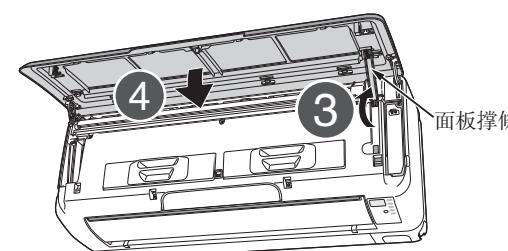


- 將前面板向上抬起。



**注意**

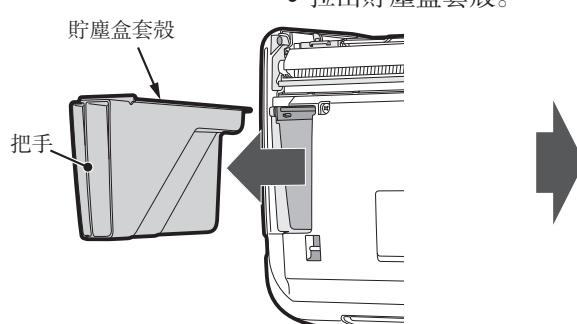
- 在冷氣機運轉中不能打開前面板。否則可動面板的動作有可能不正常。請在停止運轉後再打開。



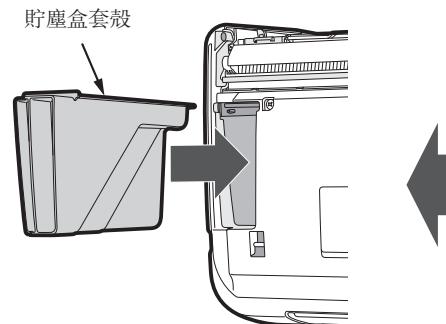
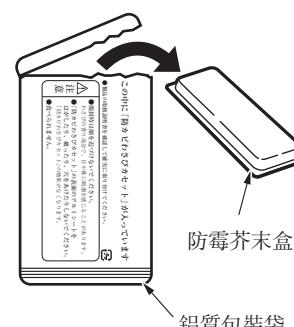
- 將面板擰條向上頂起, 直至發出“咗”聲響, 將其鎖定。將前面板放下, 並用面板擰條固定。

### 2 安裝防霉芥茉盒。

- 拉出貯塵盒套殼。



- 請從鋁質包裝袋中取出防霉芥茉盒。



- 將從包裝袋中取出的防霉芥末盒直接放入貯塵盒套殼中。

請不要撕下、劃破表面的鋁膜或在其上穿孔。

**注意**

- 打開時請勿將臉靠近。芥茉的香料成分會刺激眼睛, 鼻子。
- 請勿食用。

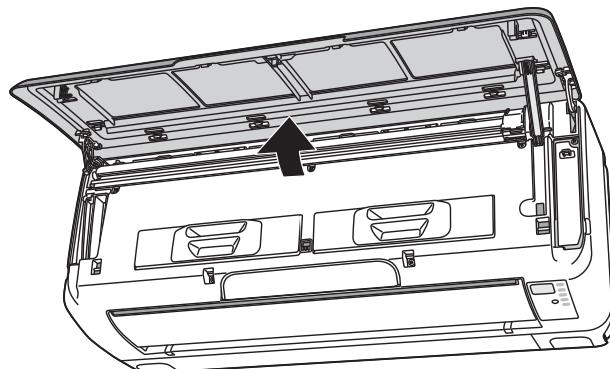
平時不需維護。但是經過10年左右後會失效, 請進行更換。



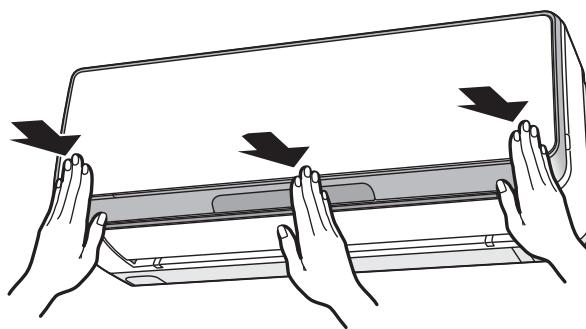
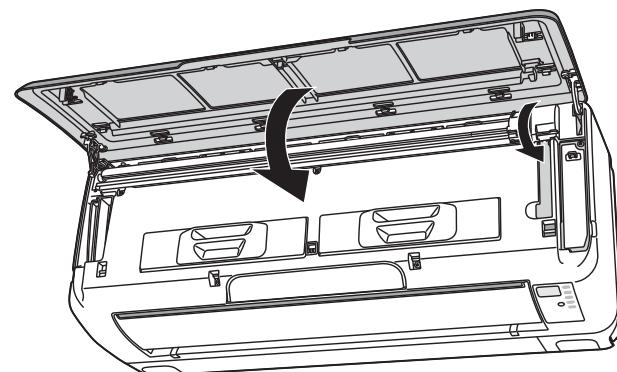
中國語

### 3 關上前面板。

- 將前面板向上抬起。



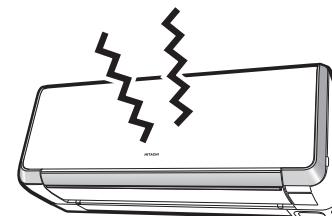
- 拉下面板擰條, 直至發出“咔噠”聲響。

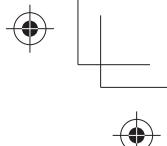
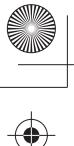


- 將前面板朝自己一方拉下。  
先將前面板的左右兩處往裏按, 再往裏按中間部分, 均需發出“咔噠”聲響。

#### **⚠ 注意**

- 前面板如有鬆動, 有可能造成前面板脫出、掉落。
- 將前面板朝上方打開後, 請不要對其過分加上外力。否則, 前面板會從室內機主機上脫出, 造成故障。
- 如打開前面板後要保持該狀態, 請務必將面板擰條向上頂起。





## 過濾網清掃部的動作確認

### 1 將電源線可靠地接入電源中。

#### ⚠ 警告

• 慢必使用冷氣機專用的電源  
如使用專用插座以外的電源，會出現發熱，  
引發火灾。



強制

#### ⚠ 注意

不要用濕手操作開關  
否則會引起觸電。



禁止濕手

• 請檢查電源上有否附着灰塵，并將其可靠地插到底，  
避免接觸鬆動或積聚灰塵  
在灰塵積聚的情況下使用，或者連接不可靠會引起觸電  
或火灾。

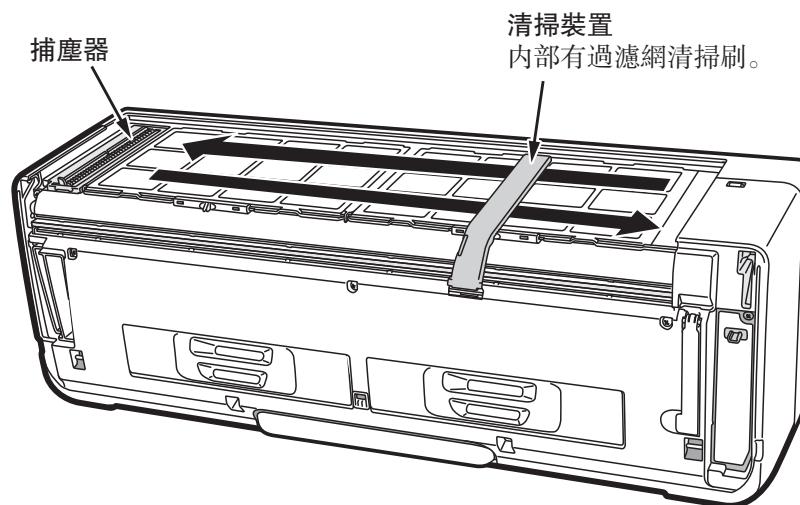
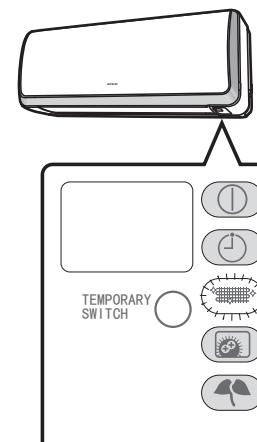


強制

### 2 進行接通電源後的動作檢查。

#### 進行過濾網清掃部的動作檢查。

- 接通電源後(插入電源插頭後、停電後或斷路器“ON”後)為了進行動作檢查，要將清掃裝置來回移動1次。
- 這時，[清潔]指示燈亮燈。
- 進行一次動作檢查，約需5分鐘。
- 動作檢查中會進行送風運轉，可動面板和上下導風板保持關閉狀態。
- 動作檢查後，[清潔]指示燈閃爍(亮燈4秒/熄滅1秒)時，請參照“遇到問題時”(92頁)的內容進行確認。



- 為便於說明，插圖為處於將前面板拆下的狀態。

#### ⚠ 注意

過濾網清掃運轉時，不要將手指或棍棒等伸進室內機的上表面。  
否則會致人受傷或造成故障。

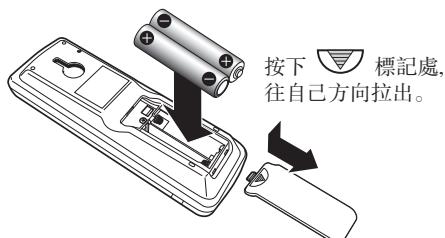


中 國 訂

## 請準備好遙控器

### 1 裝入電池。

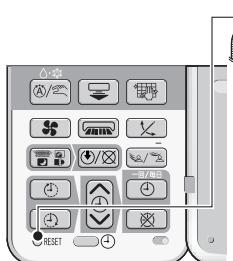
- 請使用2節7號電池。



**注意**

1. 新電池和舊電池，或不同種類的電池不可混用。
2. 兩個月或三個月不使用遙控開關時最好把電池取出來。

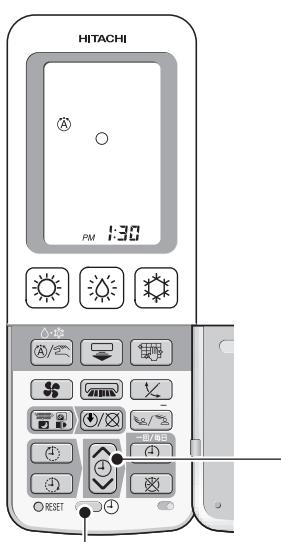
### 2 打開蓋板, 用有尖細端頭的物品按下復位開關。



- 在當前時刻顯示部會亮起18:88數字，並開始閃爍顯示“AM”“PM”字樣。



### 3 校準當前時刻(下例表示校準到下午1:30)



#### 1 按 [時刻] 鈕, 校準到當前時刻。

- 按住不放就會快進。



#### 2 按 [時刻校準] 鈕, 設定當前時刻。

- “AM”或“PM”的閃爍顯示會變為亮燈顯示, 10秒鐘後自動熄滅。

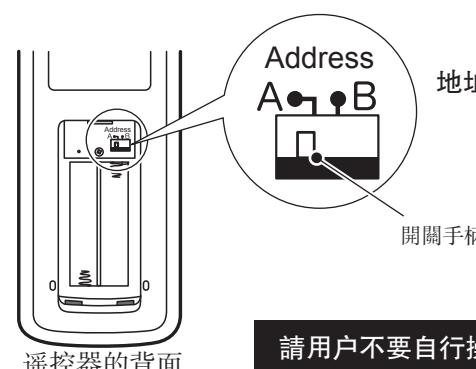


■ 確認當前時刻的方法

- 請先按下 [時刻校準] 鈕, 然後進行當前時刻的確認(表示時間3分鐘後熄滅), 需要修正時可先按照1進行修正後再進行2的操作。

## 地址切換開關的說明

- 地址切換開關用於在同一室內安裝了2臺室內機等, 希望避免遙控器信號互相乾擾時, 通常不使用。(產品出貨時設定在“A”側。)  
關於設定的方法, 請向購買本產品的銷售店垂詢。



請用戶不要自行操作。

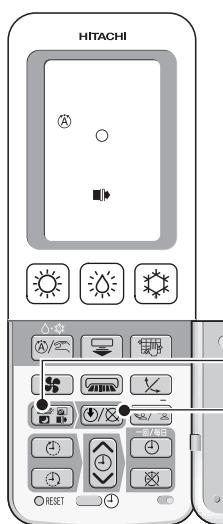




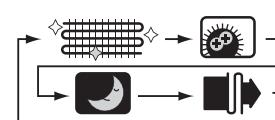
## 請準備好遙控器 (繼續)

### 4 能夠設定電流值(標準/節省)切換。

- 用戶的家用斷路器會經常跳開等時，設定為“節省”後，就不容易頻頻出現斷路器跳開。  
(銷售店出售時將其設定為“標準”。)



**1** 按 [功能選擇] 鈕，直至 [節省] 閃爍。



**2** 將遙控器朝向室內機主機，在 [節省] 處於閃爍的狀態下按 [開/關] 鈕。

• 這時會發出“嗶”的信號接收聲。[節省] 亮燈。

**解除**

再次按 [功能選擇] 鈕，直至 [節省] 閃爍。

將遙控器朝向室內機主機，在 [節省] 處於閃爍的狀態下按 [開/關] 鈕。

• 這時會發出“嗶”的信號接收聲，變為解除並 [節省] 熄滅。

#### ■ “節省”設定時的注意事項

- 設定為“節省”後，會對制熱運轉的最大能力有些影響，所以進入制熱階段的時間要長一些。並且，室外氣溫較低時，有可能達不到“設定溫度”。

### 操作遙控器時

#### • 操作時要將遙控器朝向室內機的信號接收部

能够接收信號的距離大約為正面7米。但是室內如有電子點亮型的照明器具，則信號接收距離有可能會縮短，有時還可能接收不到信號。

#### • 請小心使用遙控器

遙控器落地或沾附水分後，有可能無法再發送信號。

接通電源後大約10秒鐘內，操作遙控器，室內機不會收到信號。



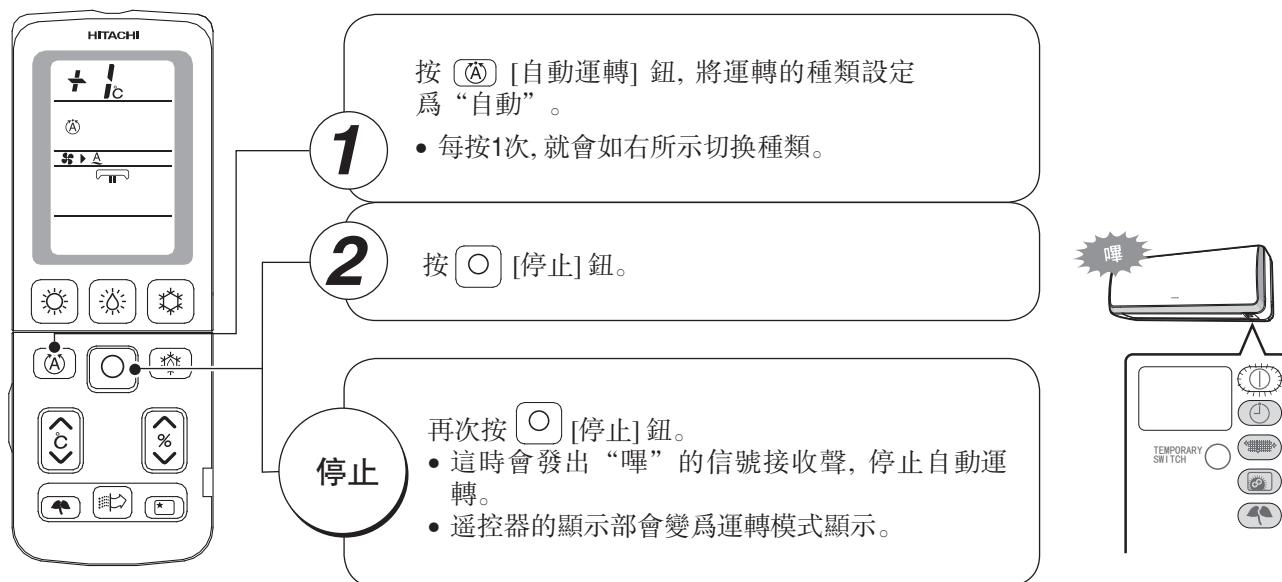
大約為正面7米



中 國 語

## 自動運轉

根據室溫和室外氣溫決定合適的運轉種類(制熱、乾爽除濕、制冷)和舒適的溫度。  
(請先校準遙控器的當前時刻再開始運轉。)



### 自動運轉

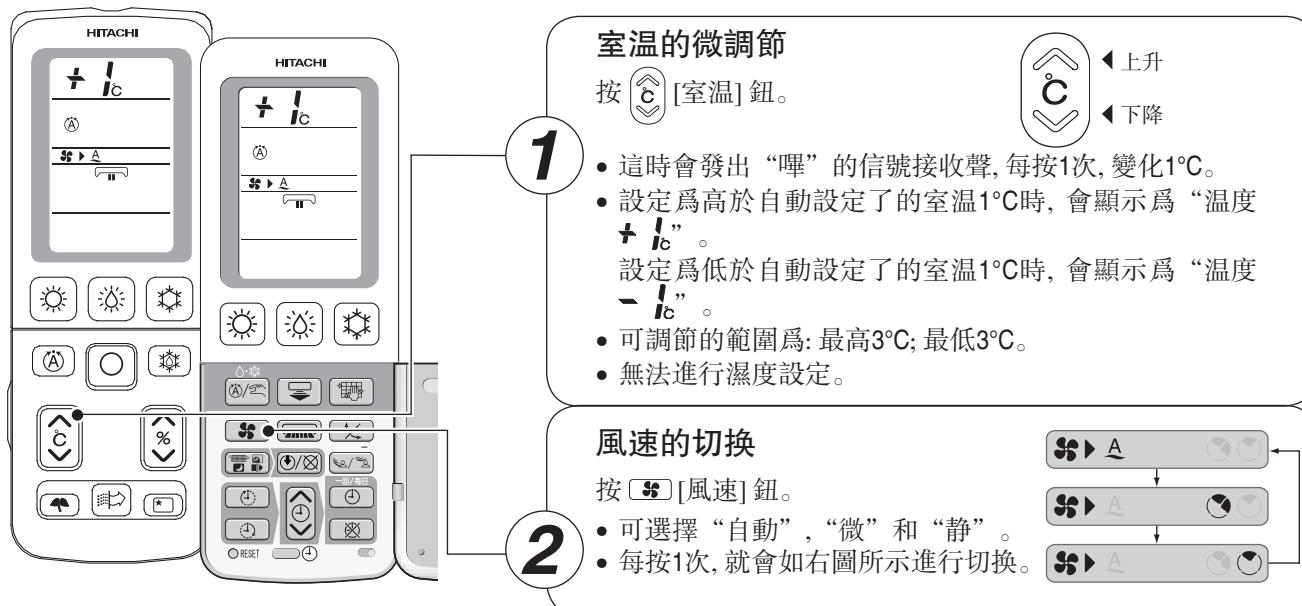
**制熱** • 室溫在23°C以下時，進行“制熱”運轉。設定溫度為23°C左右的室溫。

**乾爽除濕** • 室溫在23°C ~ 26°C左右時，進行“乾爽除濕”運轉。設定溫度為運轉開始時的室溫。

**制冷** • 室溫在27°C以上時，進行“制冷”運轉。設定溫度為27°C左右的室溫。

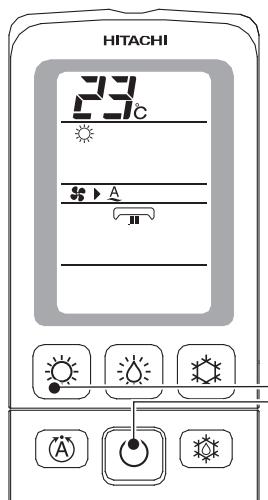
※如設定為“乾爽除濕”，而房間的濕度不太大時，有可能不會運轉，這並非有故障。

用戶可以根據自己的喜好，進行室溫的微調節和切換風速。



## 制熱運轉

按 [制熱] 鈕後, 即可進行“制熱”運轉。



按 [制熱] 鈕。

- 用戶可以根據自己的喜好, 進行室溫的調節和風速的切換。  
可設定的溫度範圍為16°C ~ 32°C。

**停止**

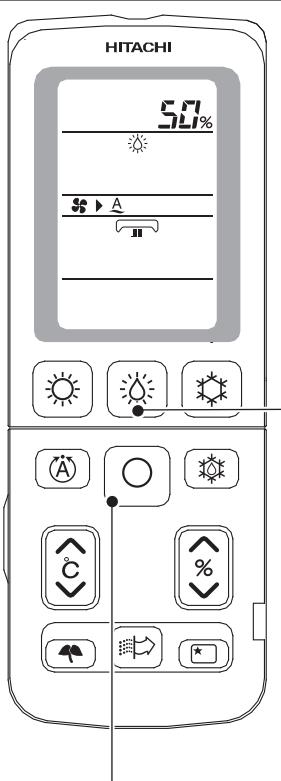
按 [停止] 鈕。

- 這時會發出“嗶”的信號接收聲, 停止制熱運轉。

## 乾爽除濕運轉

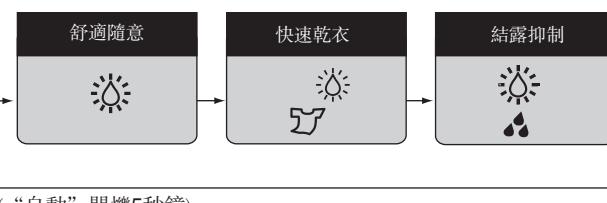
按 [乾爽除濕] 鈕後, 即可進行3種“乾爽除濕”運轉。

在沒有降低室溫的狀況下進行強力涼快運轉。



按 [乾爽除濕] 鈕。

- 每按1次 [乾爽除濕] 鈕, 會進行如下所示的種類切換。



- “舒適隨意” : 用戶可以根據自己的喜好, 進行室溫的微調節、濕度的調節和風速的切換。每按1次室溫設定鈕, 設定溫度即可改變1°C (可設定的溫度範圍為: 最高3°C; 最低3°C)。每按1次設定鈕, 設定濕度即可改變5%。(能够設定的濕度範圍為: 40% ~ 70%)。
- “快速乾衣” : 用戶可以根據自己的喜好, 進行室溫的微調節和風速的切換。  
(“結露抑制”時不能進行室溫的微調節和濕度的調節。)

**停止**

按 [停止] 鈕。

- 這時會發出“嗶”的信號接收聲, 停止乾爽除濕運轉。

- 運轉停止後, 遙控器上顯示的運轉種類會回到用 [乾爽除濕] 鈕運轉前的顯示。



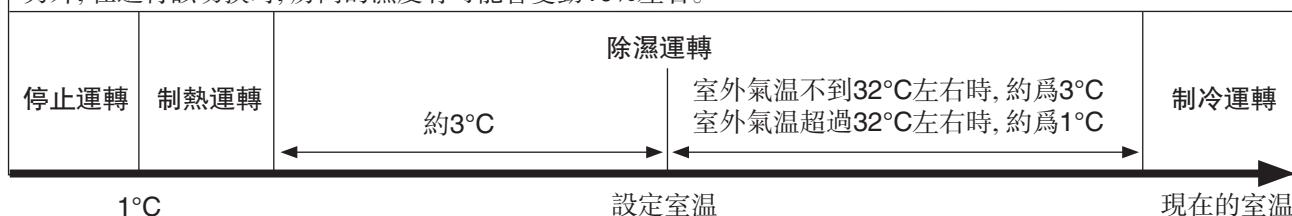
中 國 訂

## 乾爽除濕運轉 (繼續)

運轉的種類	這個時候	運轉的原理
舒適隨意	• 潮濕的時候	<ul style="list-style-type: none"> <li>基本上都是以按下按鈕時的室溫作為設定溫度。(室溫在12°C以下時為13°C; 在13~22°C時為室溫+2°C; 23°C~26°C時為室溫; 超過26°C時為26°C)</li> <li>目標濕度為50~60%左右。如下降到目標濕度前後，會停止運轉。濕度上升後重新運轉。</li> <li>為了調整溫度，有可能會自動地切換為制冷或制熱。(請參考下圖。)</li> </ul>
快速乾衣	• 希望加快乾燥洗滌物時	<ul style="list-style-type: none"> <li>檢知室外氣溫、室溫和濕度，自動地選擇制熱和強力除濕的最佳組合進行運轉。</li> <li>形成與不鏽等離子空氣清淨運轉的並用運轉。</li> <li>以洗滌物的乾燥為優先進行運轉。因為這時室溫和濕度會暫時升高，所以請在室內無人的情況下使用。</li> <li>定時為3小時。</li> </ul>
結露抑制	• 冬天希望抑制窗戶上出現的結露	<ul style="list-style-type: none"> <li>為了抑制結露，會最優先地進行降低濕度的運轉，所以室溫會下降。室溫降到1°C以下時，會停止運轉。</li> <li>定時為2小時。</li> </ul>

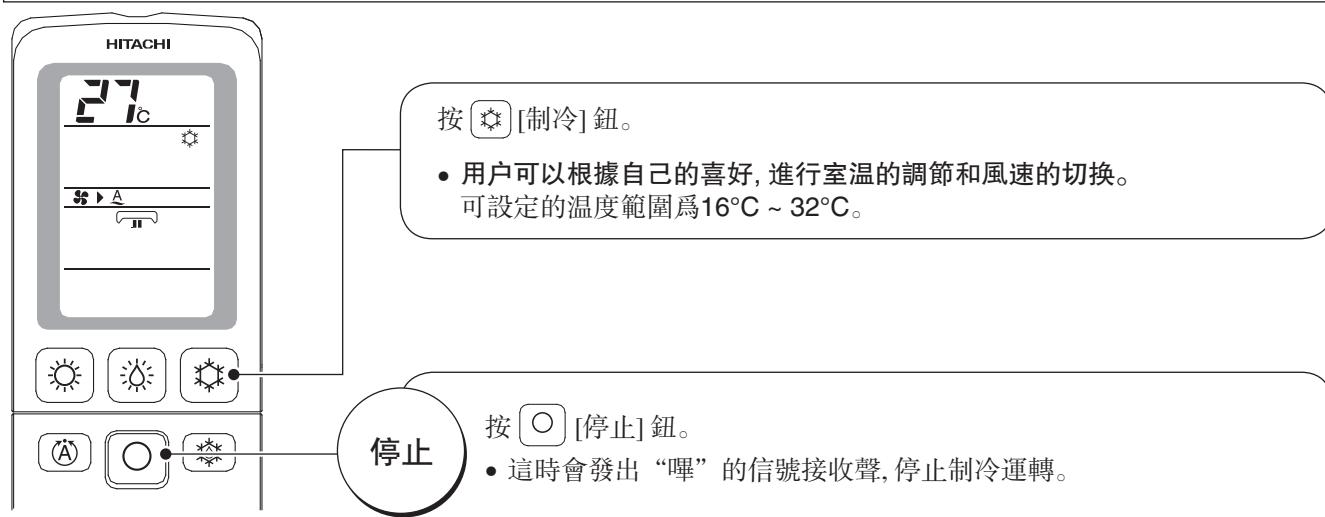
- 室外氣溫較低時，進行結露抑制後，室溫會下降，請注意。
- 乾爽除濕(快速乾衣運轉、結露抑制運轉)運轉中，無法進行以時刻設定的④[關機定時]和⑤[開機定時]預約(74頁)。但是，快速乾衣運轉、結露抑制運轉可以使用 [睡眠] 鈕，將定時改變為30分鐘、1至9小時。
- 希望在除濕的同時，設定為喜好的溫度和濕度時，建議採用手動運轉的“乾爽除濕”。(65頁)
- 使洗滌物乾燥時，如不希望將室溫升得太高，則請使用“舒適隨意”的喜好(全功率)運轉來取代“快速乾衣”。(66頁)

為了調節溫度，有可能會自動地切換為制冷或制熱運轉。  
另外，在進行該切換時，房間的濕度有可能會變動10%左右。



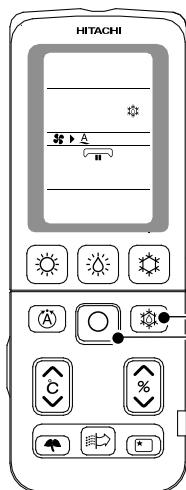
## 制冷運轉

按 [制冷] 鈕後，即可進行“制冷”運轉。



## 涼快運轉

在制冷運轉進行涼快運轉時，按 [涼快] 鈕後，即可進行由冷氣機自動設定溫度和濕度的“涼快”運轉。



按 [涼快] 鈕。

- 用戶可以根據自己的喜好，進行室溫的微調節和風速的切換。
- 每按1次 [室溫] 鈕，設定溫度即可改變1°C。

(能够設定的範圍相對於自動設定後的溫度為：最高3°C；最低3°C。)

**停止**

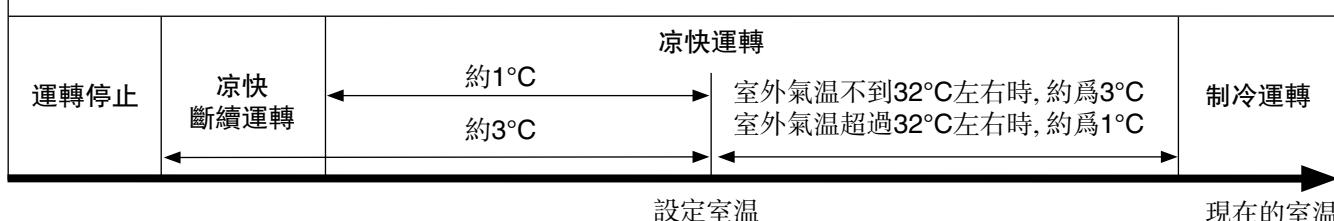
按 [停止] 鈕。

- 這時會發出“嗶”的信號接收聲，停止涼快運轉。

設定溫度	檢知室外的溫度和室內的溫度，每隔1小時。 在24°C到28°C的範圍內進行設定。	• 如室溫即使達到了設定溫度，也達不到設定濕度時，有可能會繼續運轉。
設定濕度	設定溫度超過27°C時，設定為50% 設定溫度26°C時，設定為55% 設定溫度低於25°C時，設定為60%	

- 希望在涼快運轉的同時，設定為喜好的溫度和濕度時，建議採用手動運轉的“涼快運轉”。(65頁)

為了調節溫度，有可能會自動地切換為制冷運轉。另外，如室溫低於設定溫度，則為了抑制室溫的下降並調節濕度，會進行斷續運轉（運轉和停止的反復）。

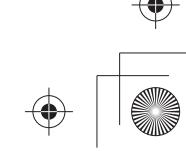
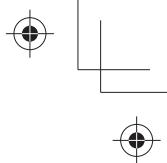


### 請在下述運轉條件下使用

制熱	乾爽除濕	涼快	制冷
• 室外氣溫 -20°C ~ 21°C (室外氣溫在-20°C以下時，或超過24°C時，為保護設備，有可能不會運轉。)	• 室外氣溫 1°C ~ 35°C (室溫1°C以下不會操作。)	• 室外氣溫 25°C ~ 35°C	• 室外氣溫 22°C ~ 43°C

- 冬天請勿進行制冷運轉。



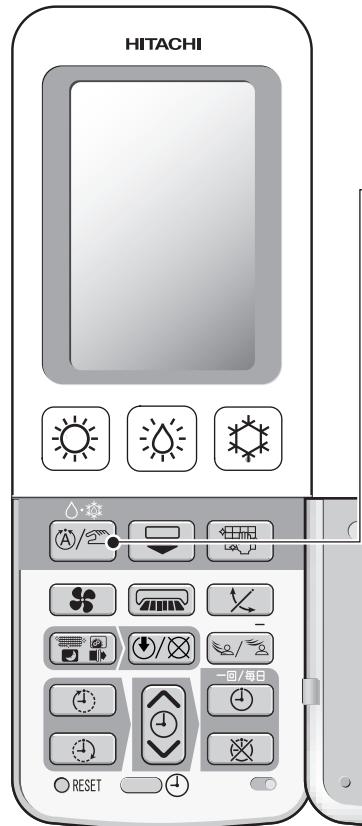


中 國 電

## 幹燥除濕、涼快運轉的自動/手動切換

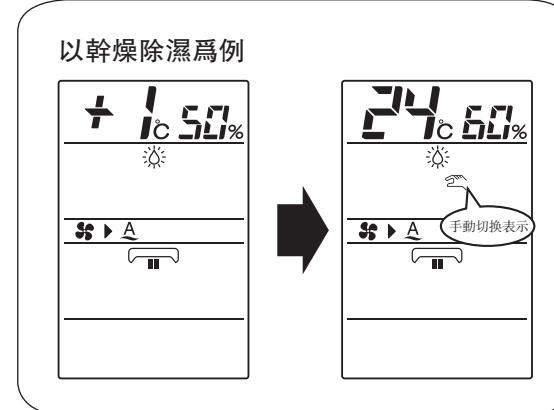
按 [自動/手動] 切換鈕後，可進行幹燥除濕、涼快運轉狀態下的溫度和濕度手動設定。

※購買時設定為自動狀態。



按 [自動/手動] 鈕。

- 幹燥除濕、涼快運轉自動狀態時，將切換為手動設定。
- 幹燥除濕、涼快運轉手動狀態時，將切換為自動設定。



### 「自動/手動設定」的設定範圍

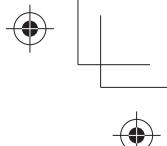
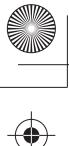
#### ● 幹燥除濕的調整範圍

	室溫	濕度
自動幹燥除濕	自動設定溫度的 -3°C ~ +3°C	40% ~ 70%
手動幹燥除濕	10°C ~ 32°C	40% ~ 70%

#### ● 涼快運轉的調整範圍

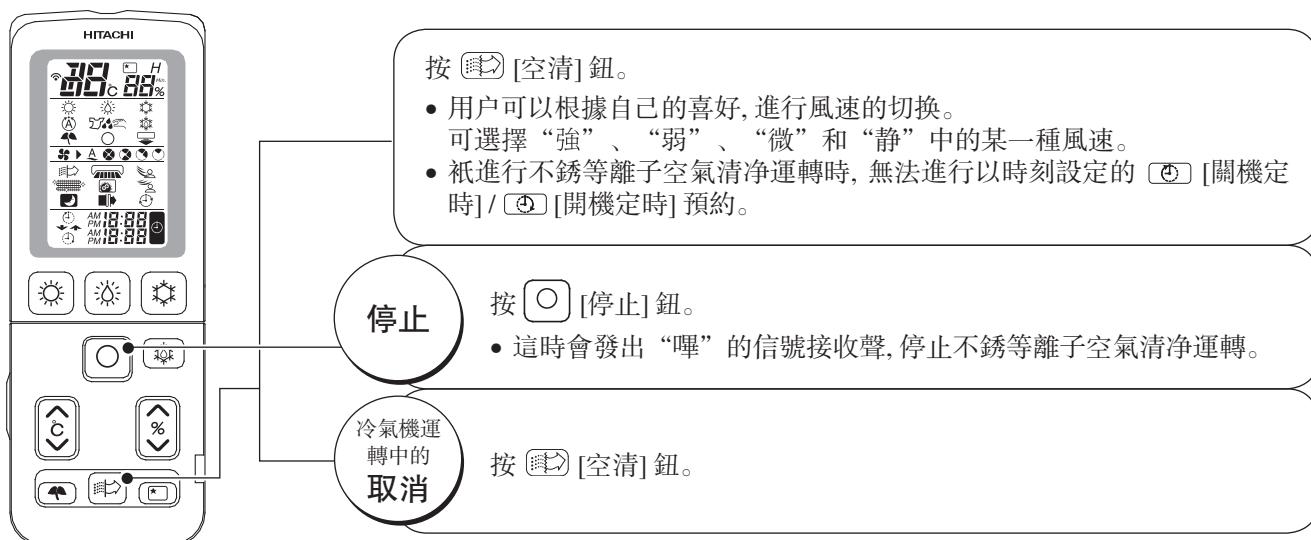
	室溫	濕度
自動涼快	自動設定溫度的 -3°C ~ +3°C	50% ~ 60% 範圍內自動調整
手動涼快	16°C ~ 32°C	40% ~ 70%





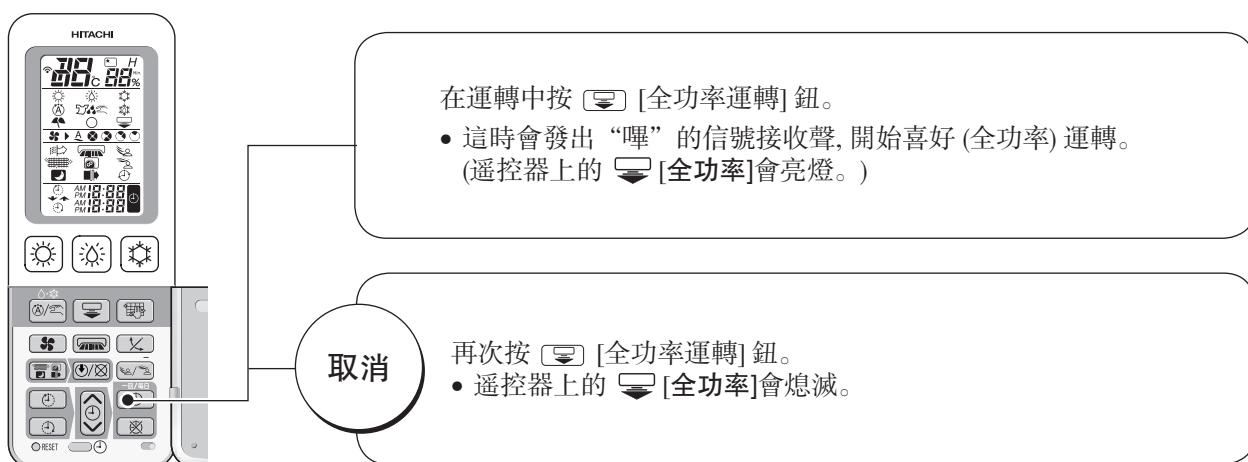
## 不銹等離子空氣清淨(送風)運轉

- 不銹等離子空氣清淨(送風)運轉是送風運轉和電氣集塵器的運轉並用的運轉。
- 在冷氣機基本運轉中設定不銹等離子空氣清淨運轉後，即可進行添加了電氣集塵器空氣清淨能力的運轉。



## 全功率運轉

- 在自動、制熱、乾爽除濕、制冷和不銹等離子空氣清淨運轉中，如按 [全功率運轉] 鈕，則可進行全功率(強力)運轉。
- 在全功率運轉時，會將氣流送到更遠的地方。(舒展氣流)



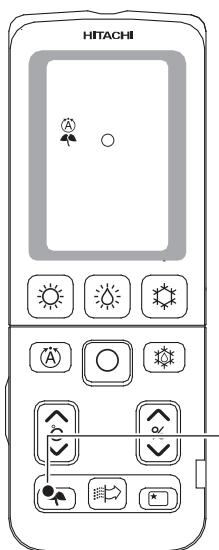
運轉的種類	這個時候	運轉的原理
制熱	• 希望再稍微熱一點的時候	• 會設定為比設定溫度約高2°C，進行強力制熱運轉。
制冷	• 希望再稍微有些冷風感的時候 • 希望再涼快一點的時候	• 會設定為比設定溫度約低3°C，進行強力制冷運轉。
乾爽除濕		• 會以40%左右為目標濕度，進行快速除濕運轉。
舒適隨意		• 會提高乾燥洗滌物的功能。
洗衣 快速乾衣		• 會提高抑制結露的功能。
結露抑制	• 希望除濕速度能再快一點的時候	



總圖中

## 紅外線人體檢知傳感器

通過紅外線傳感器檢知房間內人的活動量多少，自動控制設定溫度、濕度，達到省電的目的。

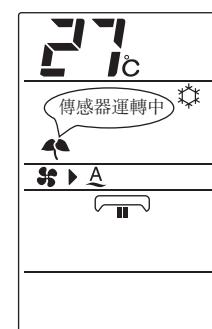


1

按 [紅外傳感器] 鈕。

- 紅外線傳感器根據檢測的人活動量的多少，以及房間的溫度、濕度，自動控制設定溫度、濕度。但是遙控器表示的設定溫度、濕度不變化。

以冷房運轉為例



- 節能控溫機能，必須連續運轉2小時以上才能達到節能的效果。
- 冷氣機節能控溫機能狀態下節省的電量根據人的活動量變化。

運轉模式	運轉內容
	<ul style="list-style-type: none"> <li>遇到下列情況時，降低設定溫度。           <ul style="list-style-type: none"> <li>人活動量多的時候</li> <li>房間內溫度高的時候</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>遇到下列情況時，提高設定溫度。           <ul style="list-style-type: none"> <li>人活動量少的時候</li> <li>房間內溫度低的時候</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>遇到下列情況時，提高設定溫度。           <ul style="list-style-type: none"> <li>人活動量少的時候</li> <li>房間內溫度低的時候</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>自動模式下的節能運轉。</li> </ul>

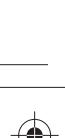
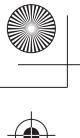
- [跟踪]機能（68頁）的使用，可能進一步節省電量。
- 冷氣機運轉之後，如果檢測到人離開房間30分鐘以上，根據遙控器的設定，按照右表進行節能運轉，但是遙控器的設定溫度、濕度無變化。
- 在全功率運轉狀態時，設定節能運轉，全功率運轉將被取消。

運轉模式	檢測到人不在時的運轉內容
	· 約下降2°C。
	· 約上升2°C。
	· 約上升5-10%。
	· 自動模式下的節能運轉。

紅外線人體檢知傳感器是檢知人體發生的紅外線的變化，因此，下列情況下有可能影響檢測的準確性：

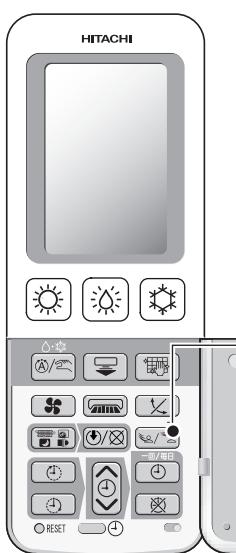
- 人雖然在房間內，但活動量極小（讀書、看電視等）或人被屏風、衣櫃、書櫃及玻璃阻隔。
- 室溫很高，超過或接近人的體溫。（制冷運轉剛開始時）
- 穿厚衣物，背向冷氣機時。
- 寵物活動或風引起的挂簾和植物枝葉的搖擺。





## 動態導風（追蹤/回避）運轉機能

通過紅外線傳感器檢測房間內人的位置，自動改變風向的功能。

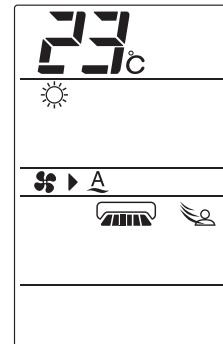


1

按 $\text{S}/\text{A}$ [自動導風]鈕進行切換。

按[動態導風]鈕	運轉內容
	• (追蹤)自動的調整上下左右風向，將氣流送到人所在的位置。
	• (回避)自動的調整上下左右風向，將氣流避開人所在的位置。
	• 返回動態導風前的設定。

以暖房運轉為例



- 動態導風設定後，通常傳感器開始工作約15秒-3分/1次，檢測人的位置並調整風向。  
(風向不會隨人位置移動立即改變)
- 動態導風運轉時，無法達到理想的要求時，請按左右風向、上下風向、風速鈕自行調整。
- 動態導風設定後，制冷、乾爽除濕、涼快運轉時，如果室內溫度、濕度持續很高，為了防止凝露滴下，左右風向板、上下風向板的角度有可能發生變化。濕度下降後，又會重新回到動態導風狀態。

### ■動態導風（追蹤/回避）功能的傳感器檢測速度的變更方法：

- 檢測速度可以設定「標準」（約15秒/3分鐘間隔）和「慢速」（約1分鐘-10分鐘間隔）2種模式。
- 購買時，遙控器被設定為標準模式。
- 感覺傳感器檢測速度過快的情況下，按下列調整至「慢速」模式。  
(房間內人或寵物活動頻繁，導致風向頻繁變動)

#### 傳感器的檢測速度設定為「慢速」

1

運轉停止後 $\text{S}/\text{A}$ 按住不放，再 $\text{C}$ 按住5秒以上。

- 這時會發出“嗶”的信號接收聲。
- 回到「標準」模式，與以上操作相同（這時會發出“嗶”的信號接收聲）

「標準」、「慢速」以外，還可以對傳感器檢測速度根據喜好進行微調。



#### 傳感器檢測速度微調

2

運轉停止後 $\text{S}/\text{A}$ 按住不放

3

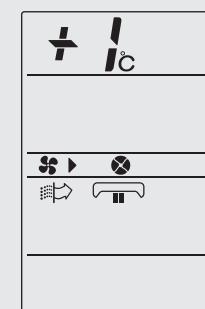
$\text{C}$  上下選擇

- (+3~-3進行微調整，10秒後滅燈)

4

按 $\text{O}$ 停止鈕

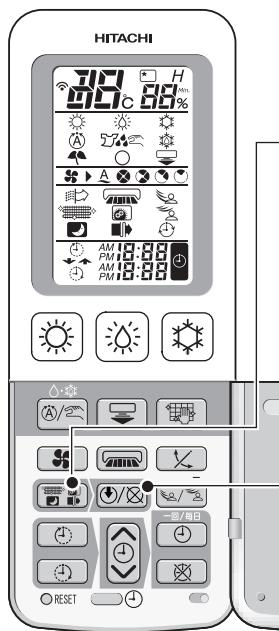
- 設定被記憶



中 國 言

## 內部清潔運轉

如預先設定了 [內部清潔]，則在進行了制冷、乾爽除濕和涼快運轉後，就會自動地進行內部清潔，抑制霉菌的發生。(沒有去除霉菌的功能和殺菌效果。)



- 1 按 [功能選擇] 鈕，直至 [內部清潔] 亮燈。  
將遙控器朝向室內機主機，在 [內部清潔] 處於亮燈的狀態下，按 [開/關] 鈕。  
• 這時會發出“嗶”的信號接收聲，遙控器上的 [內部清潔] 亮燈。
- 2 停止  
再次按 [功能選擇] 鈕，直至 [內部清潔] 亮燈。  
將遙控器朝向室內機主機，在 [內部清潔] 處於亮燈的狀態下，按 [開/關] 鈕。  
• 這時會發出“嗶”的信號接收聲，遙控器上的 [內部清潔] 熄滅。

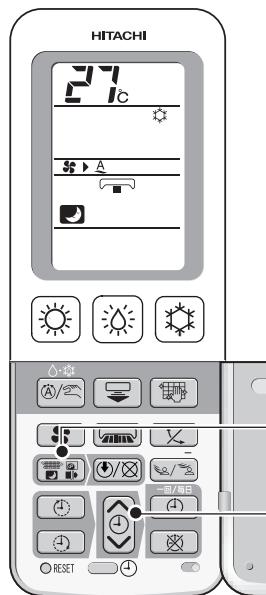
- 制冷、乾爽除濕和涼快運轉時間較短時(10分鐘以內)，不會進行內部清潔運轉。
- 預先設定好內部清潔，如在進行制冷、乾爽除濕和涼快運轉後使運轉停止，則會自動開始內部清潔運轉。會進行制熱運轉和送風運轉(與不鏽等離子空氣清淨運轉並用)，並抑制室內機內部的發霉。
- 如預約了 [開機定時]，則從預約時刻的2小時前開始不會進行內部清潔運轉。
- 如以下述條件停止運轉，則不會進行內部清潔運轉。

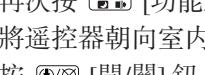
( 在制熱運轉、不鏽等離子空氣清淨運轉、快速乾衣運轉和結露抑制運轉方式下的 [關機定時] )  
( 運轉停止、採用 [睡眠] 方式的運轉停止。 )



## 快眠運轉

如預先設定了  [快眠], 則在自動、制熱、乾爽除濕、制冷和涼快運轉時, 以睡眠定時進行運轉後, 可以營造一個舒適的快眠環境。



- 1** 按  [功能選擇] 鈕, 直至  [快眠] 閃爍。
 
- 2** 將遙控器朝向室內機主機, 在  [快眠] 處於閃爍的狀態下, 按  [開/關] 鈕。
  - 這時會發出“嗶”的信號接收聲, 遙控器上的  [快眠] 亮燈。
- 停止** 再次按  [功能選擇] 鈕, 直至  [快眠] 閃爍。
 
 將遙控器朝向室內機主機, 在  [快眠] 處於閃爍的狀態下, 按  [開/關] 鈕。
  - 這時會發出“嗶”的信號接收聲, 遙控器上的  [快眠] 熄滅。

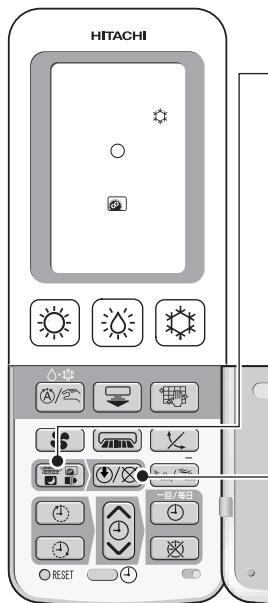
- 制冷運轉時, 會組合除濕運轉進行溫度和濕度的調節。
- 乾爽除濕和涼快運轉時, 以60%為目標濕度進行舒適的溫度調節。
- 制熱運轉時, 會進行與通常的睡眠運轉同樣的溫度調節。
- 自動運轉時, 會進行所設定的運轉模式的調節。



中 國 訂

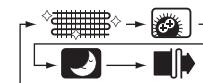
## 霉菌監視運轉

霉菌監視運轉會檢知室內的溫度和濕度，到了容易出現霉菌的溫度和濕度，即自動地開始除濕和不鏽等離子空氣清淨運轉。



1

按 [功能選擇] 鈕，直至 [霉菌監視] 閃爍。



2

- 將遙控器朝向室內機主機，在 [霉菌監視] 處於閃爍的狀態下，按 [運轉] 鈕。
- 預約霉菌監視運轉。
- 在霉菌監視運轉中，室內機顯示部上的 [運轉]、[監視] 指示燈亮燈。

取消

再次按 [功能選擇] 鈕，直至 [霉菌監視] 閃爍。

將遙控器朝向室內機主機，在 [霉菌監視] 處於閃爍的狀態下，按 [開/關] 鈕。

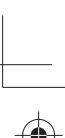
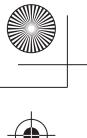
- 這時會發出“嗚”的信號接收聲，遙控器上的 [霉菌監視] 熄滅。
- 室內機顯示部上的 [監視] 指示燈熄滅。

- 霉菌監視運轉是一種預約功能。預約了霉菌監視運後，會檢知室內的溫度和濕度，在未達到容易產生霉菌的溫度和濕度之前不會進行運轉。
- 霉菌監視的設定期間為從沒有遙控器操作的狀態開始2周內。  
( [霉菌監視] 設定中操作了遙控器時，是從這時開始計算的2周內。)  
經過2周後，室內機顯示部的 [監視] 指示燈會熄滅。

**(**另外，遙控器上的 [霉菌監視] 顯示不會消失，所以在室內機顯示部的 [監視] 指示燈熄滅  
的情况下，請重新設定或者取消霉菌監視運轉。**)**

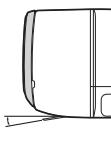
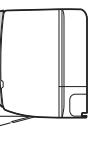
- 設定了霉菌監視運轉後，大約會在20分鐘內進行1次約為3分鐘的送風運轉，并檢知室溫和濕度。  
(檢知時，可動面板和上下導風板保持關閉狀態。)
- 最初的運轉會在檢知結果為室溫10°C以上、濕度70%以上時，進行連續4小時的除濕運轉。第4次以後的運轉，如果檢知結果為室溫10°C以上、濕度70%以上時，會進行除濕運轉，并在濕度下降後停止。
- 在霉菌監視運轉設定中，自運轉暫時停止起大約20分鐘內即使濕度超過70%，也不會立即重新開始運轉。
- 對已經產生的霉菌沒有去除功能。





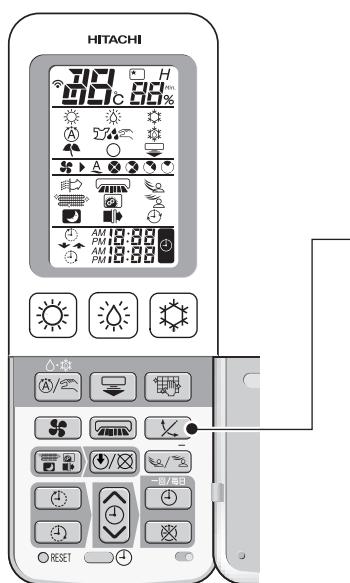
## 上下風向的調節

請務必用遙控器操作。(用手動操作, 會造成故障。)

制冷運轉	乾爽除濕 / 涼快運轉	制熱運轉
 約15°	 約10°	 約50°

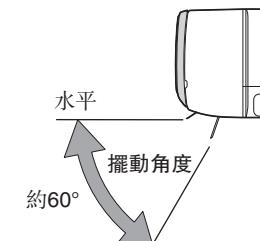
### 自動設定

- 按照運轉種類, 自動地設定風向。(祇限於上下導風板。左右導風板為正面。) 通常不需特意進行上下風向操作。
- 在制冷、乾爽除濕和涼快運轉時, 如室內長期處於高溫和高濕狀態, 上下導風板的位置有可能改變, 以便防止結露引起的水珠滴下。



### 上下風向擺動

- 按  [上下風向] 鈕後, 會發出“嗶”的信號接收聲, 上下導風板反復進行擺動。
- 停止運轉後, 摆動即停止, 并會關閉吹風口。
- 重新運轉後, 會按照運轉種類, 自動地設定風向。
- 即使在設定了擺動的情況下, 也有可能因室內的溫度和濕度關係, 上下導風板的擺動會停止。(73頁)  
 (有可能要經過10秒鐘左右導風板才開始擺動。  
 這是對導風板位置的正確設定進行確認的過程。)



### 上下喜好風向

- 用戶希望上下風向的角度能符合自己的喜好時, 請通過  [上下風向] 鈕移動上下導風板, 待其停在自己喜好的位置後, 再次按  [上下風向] 鈕使其固定下來。

按  [上下風向] 鈕。

- 這時會發出“嗶”的信號接收聲, 上下導風板反復進行擺動。  
 (上下風向擺動)

在自己喜好的位置上再次按  [上下風向] 鈕。

- 會在所按的位置上停止擺動。
- 停止運轉後, 會關閉吹風口, 重新運轉後會在自動設定位置上。
- 切換運轉後, 又會按照運轉種類, 自動地設定風向。



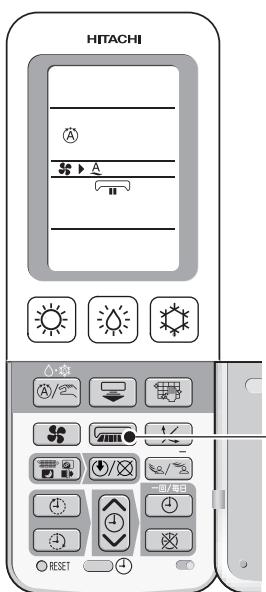
在制冷、乾爽除濕、涼快運轉時, 請不要進行風向擺動運轉或將上下導風板固定朝下進行長時間運轉。  
 長時間地進行這種運轉, 上下導風板上會出現結露, 露水多時會滴落弄濕家具等。





## 左右風向的調節

中 國 言



### 左右風向的擺動

- 銷售店出售時已將風向位置調整在冷氣機正面。
- 每按1次，會進行下圖所示的切換。
- 會發出“嗶”的信號接收聲，改變左右導風板的角度。



- 遙控器的左右導風板顯示與左右導風板的實際動作不同步。

### 左右喜好調節

- 用戶希望左右風向能符合自己的喜好時，請在左右風向擺動中，待遙控器上的 [左右風向] 左右導風板顯示滿足自己的喜好後，再次按左右風向鈕使其固定下來。
- 左右導風板的範圍被指定為下列5個位置：



在左右風向擺動中，在自己喜好的位置上再次按 [左右風向] 鈕。

- 風速會隨左右導風板的角度相應加大，超過通常風速。
- 在設定為左右喜好位置的情況下，在制冷、乾爽除濕和涼快運轉時，如室內長期處於高溫和高濕狀態，左右導風板的角度也有可能改變，以防止結露引起水珠滴下。不過，隨著冷氣機運轉，如溫度和濕度下降，就會回到喜好位置。

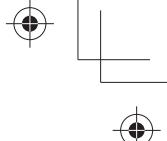
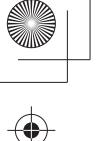
### 注意

在制冷、乾爽除濕、涼快運轉時，請不要在一直保持左右風向擺動運轉的狀態進行長時間運轉。  
進行這種長時間運轉，左右導風板上會出現結露，露水多時會滴落弄濕家具等。

在下述情況下，即使設定為上下擺動、左右擺動，擺動也會停止。

制熱運轉時	乾爽除濕運轉時	涼快運轉時
<ul style="list-style-type: none"> <li>預熱運轉中。</li> <li>除霜運轉中。</li> <li>室溫達到了設定溫度時。</li> </ul>	<ul style="list-style-type: none"> <li>濕度達到了設定濕度時。</li> <li>室溫在1°C以下時。</li> </ul>	<ul style="list-style-type: none"> <li>室溫低於設定溫度，運轉處於停止狀態時。</li> </ul>





## 定時器預約運轉

定時器可以有①[關機定時]  $\Rightarrow$  ②[開機定時]、③[關機定時] 和④[開機定時] 這3種使用方法。  
預約只能限於其中1種。  
請預先進行運轉的種類、室溫、濕度和風速等設定，然後再進行定時器設定。

### 定時器的預約方法

#### 預約①[關機定時] 時

- ①[關機定時] 會在所設定的時刻使運轉停止。

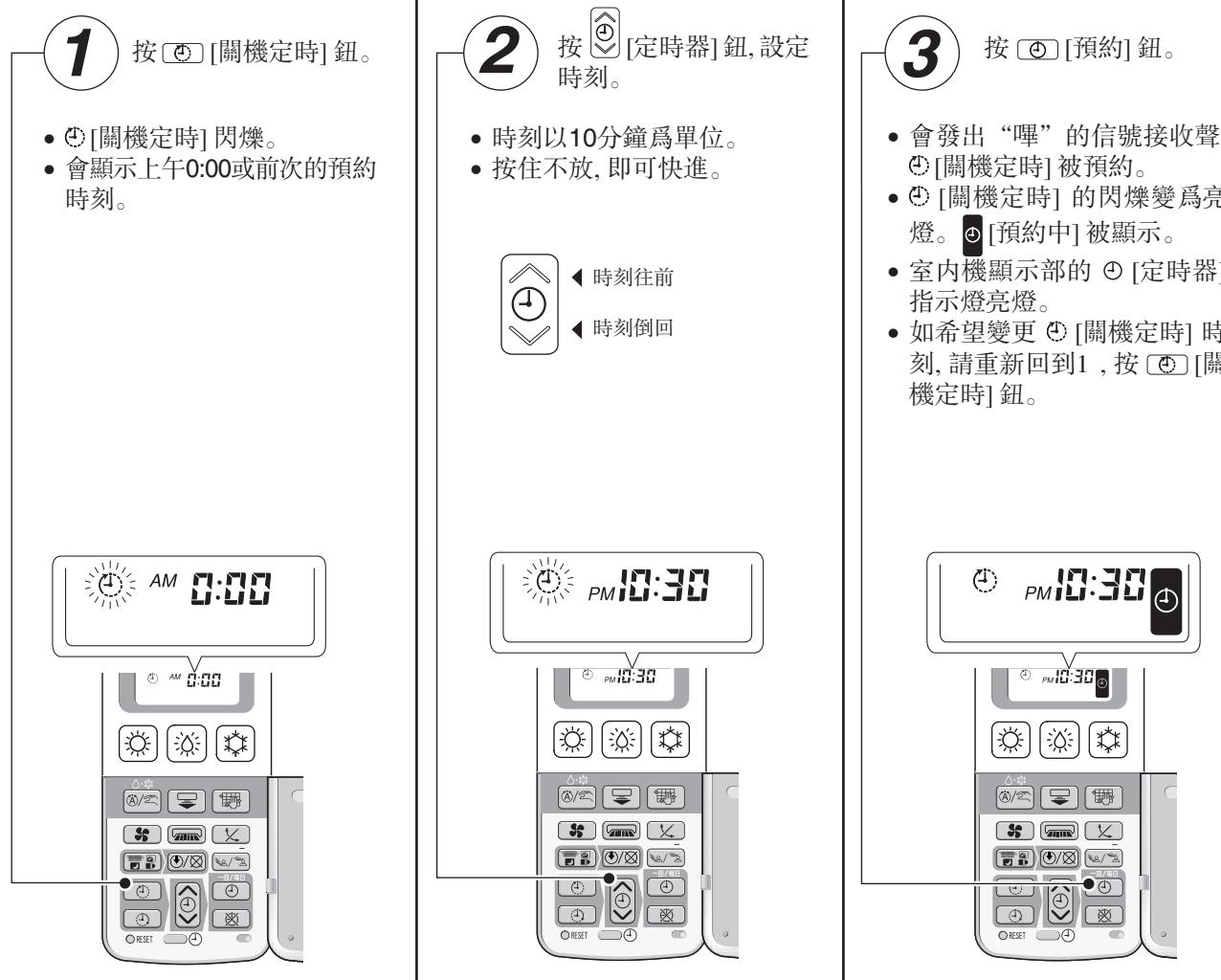
#### 預約②[開機定時] 時

- ②(開機定時) 會開始運轉，在所設定的時刻達到設定室溫。
- 根據室溫、遙控器設定室溫等條件的不同，運轉開始時刻最快會提前60分鐘。

#### ①[關機定時] $\Rightarrow$ ②[開機定時] 的預約方法

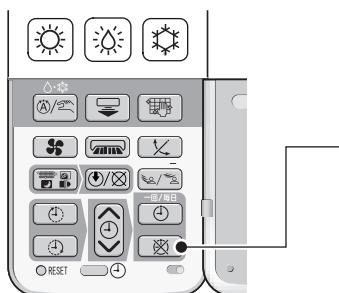
(如：要設定在下午10:30停止運轉，並在上午7:00達到自己喜好的室溫時)

- 以當前時刻（進行定時預約的時刻）為基準，從設定時刻較早的一個時刻開始動作。



中 國 電

### 定時預約的取消方法

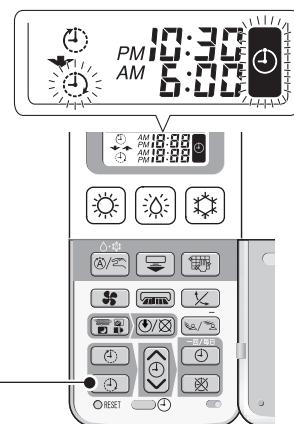


按 [取消] 鈕。  
(所有定時預約被取消。)

- 用 [空清] 鈕進行運轉時, 以及 [乾爽除濕] 的“快速乾衣運轉”或“結露抑制運轉”時, 無法進行以時刻設的 [關機定時]/[開機定時] 預約。
- 設定過1次的時刻會被遙控器所記憶, 所以希望預約與前次相同的時刻時, 只需按 [預約] 鈕, 即可預約同一時刻。

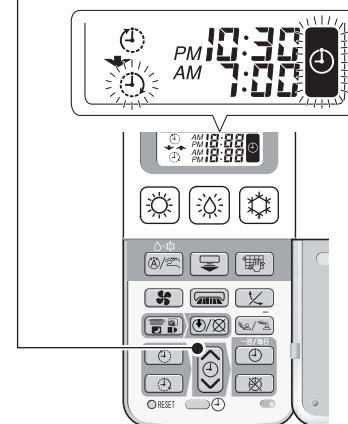
### 4 按 [開機定時] 鈕。

- [開機定時] 會閃爍。
- 上午6:00或前次的預約時刻被顯示。
- $\downarrow\uparrow$  顯示表示 [關機定時]、[開機定時] 的動作順序。



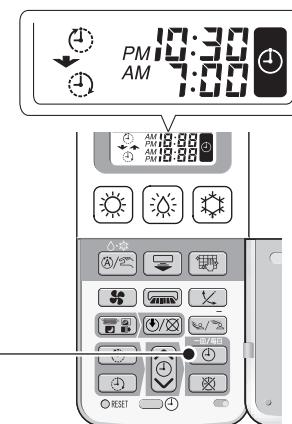
### 5 按 [定時器] 鈕來設定時刻。

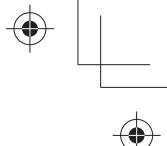
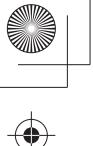
- 時刻以10分鐘為單位。
- 按住不放, 即可快進。



### 6 按 [預約] 鈕。

- 會發出“嗶”的信號接收聲, [開機定時] 被預約。
- [開機定時] 的閃爍變為亮燈。[預約中] 被顯示。
- 室內機顯示部的 [定時器] 指示燈亮燈。
- 如希望變更 [開機定時] 時刻, 請重新回到4, 按 [開機定時] 鈕。



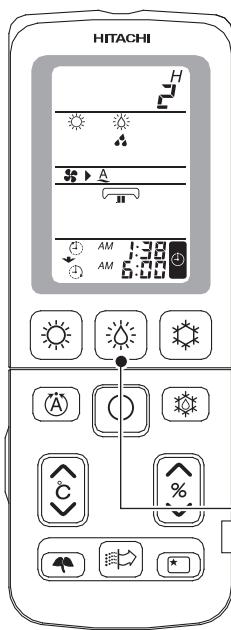


## 更方便的定時器使用方法

可以同時設定乾爽除濕運轉(結露抑制)和制熱運轉的④[開機定時]。  
這就可以通過乾爽除濕運轉(結露抑制)抑制第二天早上的結露，并利用制熱的④[開機定時]使醒來時室內就很溫暖。

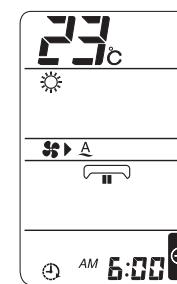
### ④[開機定時]與⑤[乾爽除濕]鈕的組合

- 就寢前，設定乾爽除濕運轉(結露抑制)和第二天早上的④[開機定時]，可以設定進行制熱運轉等的組合定時。
- 下面的顯示表示在制熱運轉的④[開機定時]預約後，在下午11:38進行乾爽除濕運轉(結露抑制)。



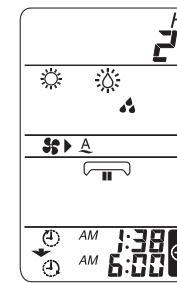
#### 1 預約④[開機定時]

- 預約了④[開機定時]的運轉開始後，會在開機定時的時刻基本上達到設定室溫。請在定時預約之後，充分確認設定狀態。(74, 75頁)



#### 2 按⑤[乾爽除濕]鈕。(使▲標記顯示出來。)

- 在2小時後的上午1:38會停止乾爽除濕(結露抑制)運轉，開始制熱運轉，在上午6:00基本上達到設定室溫。

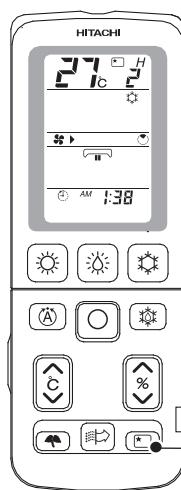


中 國 語

## 睡眠定時運轉

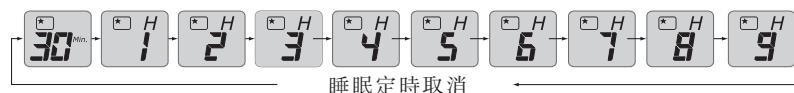
這是睡眠時專用的運轉，將“風速”設定為適合就寢時，到了指定時間就會停止運轉。

■ 下圖為在下午11:38設定2小時後，在上午1:38停止運轉的例子。



按 [睡眠] 鈕。

- 每按1次 [睡眠] 鈕，就會如下所示變化。



- 在遙控器的顯示部會顯示睡眠定時的預約時間和運轉停止的時刻。
- 睡眠運轉中的風速會固定在“靜”。

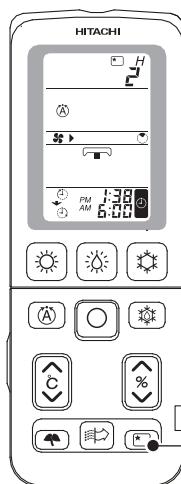
取消

按 [睡眠] 鈕或 [取消] 鈕。

### 睡眠定時運轉和開機定時的組合

- 可以進行組合定時設定，如在採用睡眠定時運轉，自動停止運轉後，利用 [開機定時] 進行第二天早上的運轉等。  
請在預約了 [開機定時] 後，按 [睡眠] 鈕。

■ 下圖為預約了 [開機定時] 上午6:00，在下午11:38設定了睡眠後2小時的例子。



1

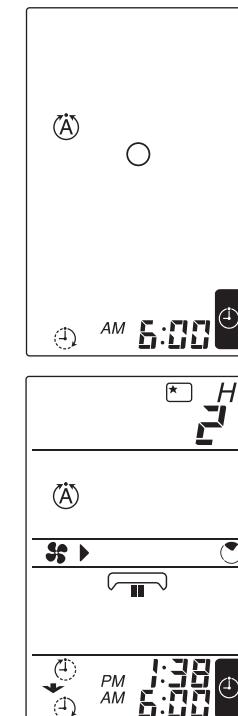
預約 [開機定時]。  
(74, 75頁)

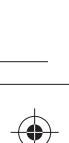
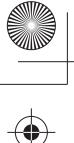
2

按 [睡眠] 鈕。

- 在2小時後的上午1:38停止運轉，再開始運轉，在上午6:00基本上達到設定室溫。
- 請在 [開機定時] 時刻之前的範圍內設定睡眠定時運轉的時間。

- 預約了睡眠定時後，冷氣機不接收遙控器的發送信號時，即使到了定時時間，冷氣機也不會停止。  
請根據室內機的信號接收聲和室內機上的 [定時器] 指示燈，確認已經進行了睡眠定時預約。





## 過濾網清掃運轉

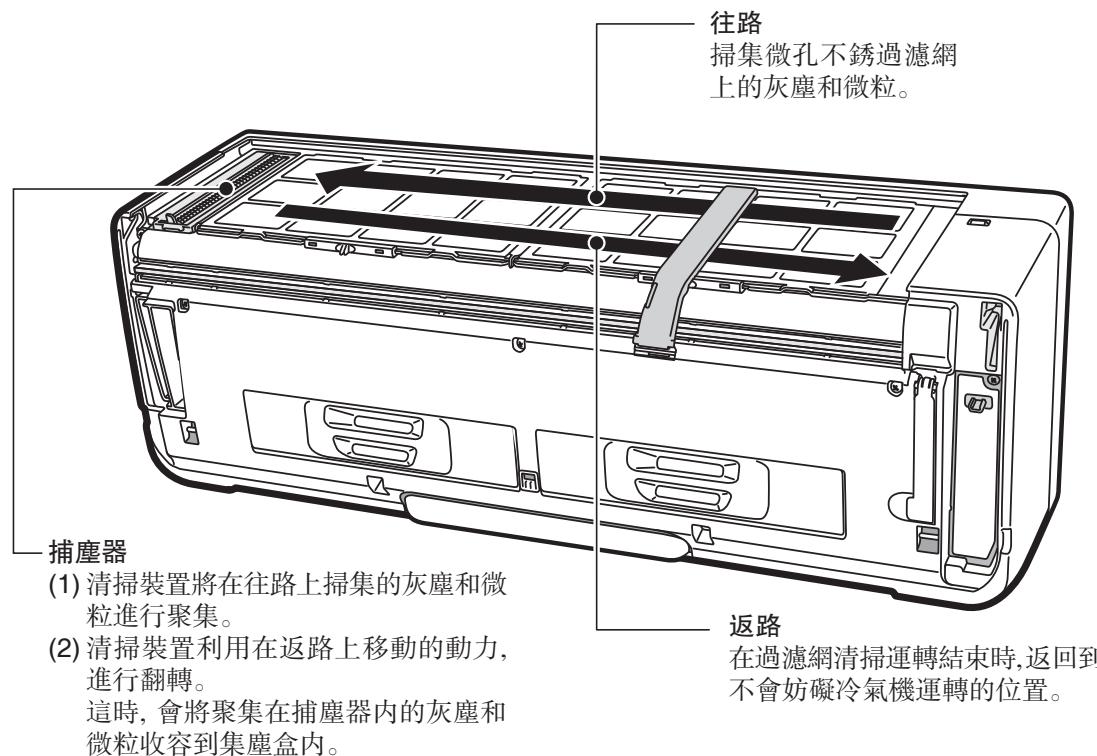
(過濾網清掃部的動作確認 58頁)

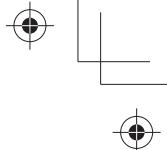
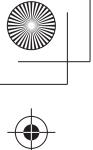
### !**注意**

過濾網清掃運轉時，不要將手指或棍棒等伸進室內機的上表面。  
否則會致人受傷或造成故障。

### **1** 自動過濾網清掃運轉

- 在制冷等冷氣機基本運轉結束時，會自動進行微孔不銹過濾網的清掃。（進行自動過濾網清掃運轉時79頁）
- 銷售點出售時，已經設定在自動進行清掃。





(遇到問題時89頁)

- 清掃裝置往復一次，掃集微孔不銹過濾網上的灰塵和微粒，并通過捕塵器收容到集塵盒內。
- 進行一次過濾網清掃運轉，大約需要5分鐘時間。

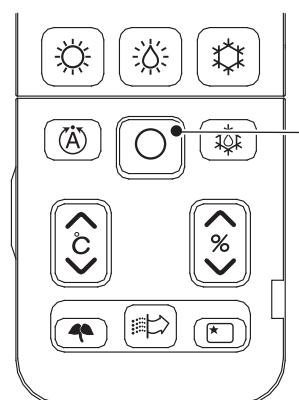
- 過濾網清掃運轉中 [清潔] 指示燈亮燈。
- 冷氣機進行送風運轉，上下導風板保持關閉狀態。

中 國 言

### 進行自動過濾網清掃運轉的條件

- 冷氣機運轉了15分鐘時間以上，停止時符合以下某一條件時會進行自動過濾網清掃運轉。
  - (1) 累計運轉時間超過8小時。
  - (2) 至少1周未進行運轉。  
(目的是清掃自然堆積在上面過濾網的灰塵。)

注意：如在中途斷了自動過濾網清掃運轉，累計運轉時間不會清除。
- 在連續運轉的情況下，經過24小時後，會暫停運轉，進行自動過濾網清掃運轉。自動過濾網清掃運轉結束後，會回到原來的運轉。
- 如通過睡眠定時運轉和關機定時運轉使冷氣機停止，不會進行自動過濾網清掃運轉。  
如用戶每天都使用睡眠定時運轉和關機定時運轉，請每隔2~3天進行一次手動過濾網清掃運轉。(80頁)  
但，如沒有進行手動過濾網清掃運轉，為保護設備，在通過睡眠定時運轉和關機定時運轉使冷氣機停止後，也會進行約一周一次的自動過濾網清掃運轉。



#### 過濾網清掃運轉時的聲音

- 會出現清掃裝置驅動馬達的“嗡嗡”聲。
- 捕塵器在收集清掃裝置在往路上掃集的灰塵和微粒時會發出“啪啪”聲。
- 清掃裝置在返路上使捕塵器翻轉時會發出“啪啪”聲。
- 清掃裝置在掃集灰塵和微粒時有可能發出“吱吱”聲。

**停止**

按 [停止] 鈕兩次。

- 希望在中途停止過濾網清掃運轉時，請將遙控器的 [停止] 鈕按兩次。

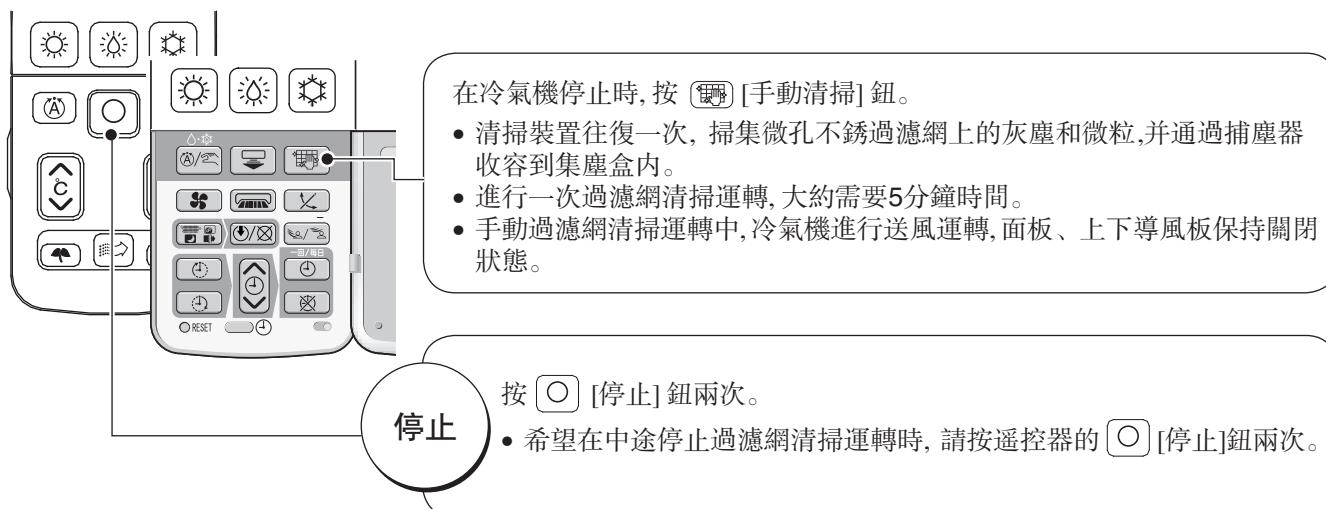
- 緊接過濾網清掃運轉後就運轉冷氣機，冷氣機送風會減弱。
- 設定為過濾網清掃運轉禁止後，請卸下微孔不銹過濾網進行維護。(83頁)
- 只有在通過遙控器的 [手動清掃] 鈕進行過濾網清掃運轉中，才可再次按遙控器 [手動清掃] 鈕來停止過濾網清掃運轉。



## 過濾網清掃運轉（繼續）

### 2 手動過濾網清掃運轉

- 在冷氣機停止時，通過遙控器進行過濾網清掃運轉。
- 在長期未使用冷氣機後重新使用時，請進行本操作。

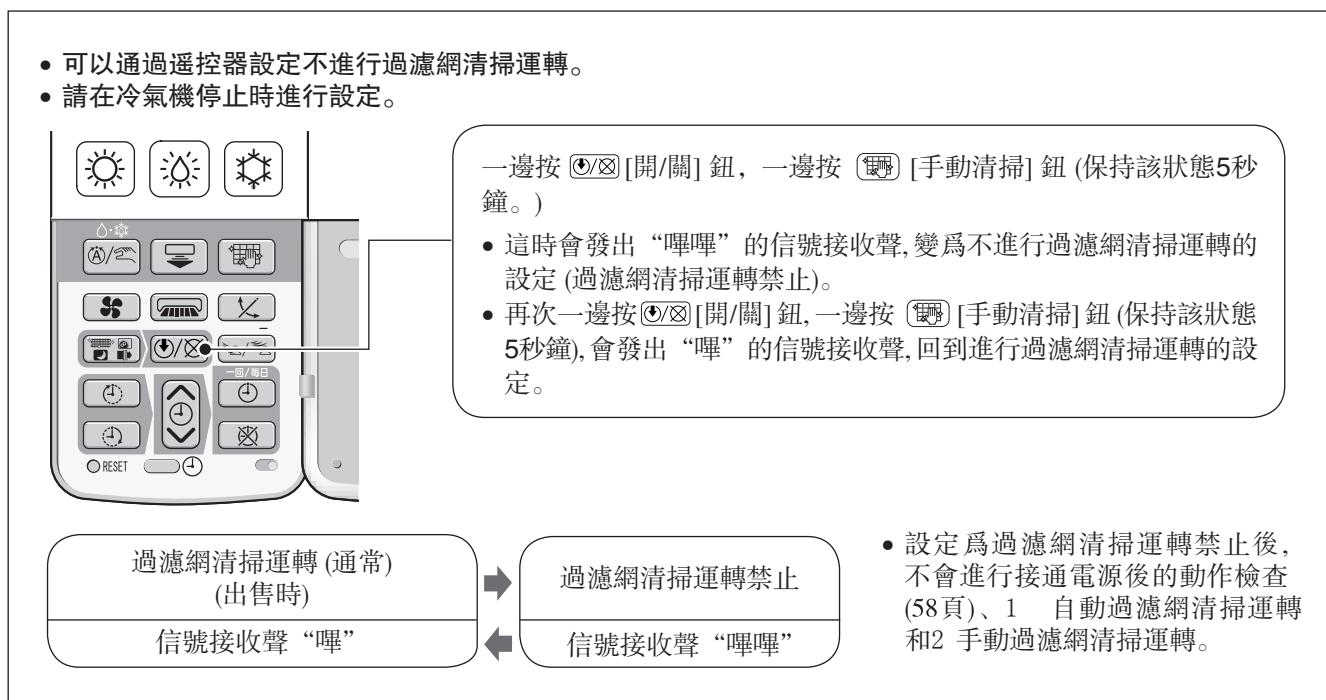


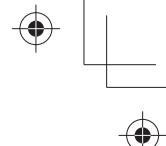
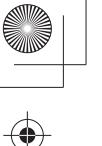
### 3 維護

- 平時不需維護。但是，環境不同，灰塵和微粒的量會變化，所以大致上請每2年1次對灰塵和微粒的量進行檢查，如發現已經積聚，請立即去除。（維護82頁）
- 利用與微孔不銹過濾網的組合，也可以清除油污，污染嚴重時，請將微孔不銹過濾網、捕塵器和過濾網清掃刷拆下來進行水洗。（維護82～86頁）

#### 過濾網清掃運轉禁止的設定方法

- 可以通過遙控器設定不進行過濾網清掃運轉。
- 請在冷氣機停止時進行設定。





因使用環境關係，感覺過濾網清掃運轉的運轉聲響過大時，可以利用“手動過濾網清掃運轉”和“過濾網清掃運轉禁止的設定”的組合，在自己選定的時間進行過濾網清掃運轉

中 國 般

- 1** 過濾網清掃運轉禁止的設定方法。
- 2** 重新設定過濾網清掃運轉禁止的方法。
- 3** 進行手動過濾網清掃運轉 (80頁)
- 4** 再一次設定過濾網清掃運轉禁止的方法。

(1, 2, 4 的設定方法, 80頁)

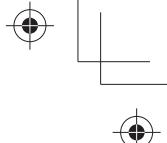
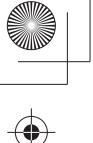
- 相隔較長時間後進行過濾網清掃運轉時，有可能無法一次就將微孔不銹過濾網上的灰塵和微粒清掃乾淨，所以建議用戶進行較頻繁的過濾網清掃運轉。(大致2~3天清掃1次。)
- 過濾網清掃運轉結束時，如發現有清掃不均勻的現象，請相隔約5分鐘之後再次進行“手動過濾網清掃運轉”。(在過濾網清掃運轉結束後約5分鐘之內，為保護設備，不會再次運轉。)
- 因過濾網清掃運轉的間隔時間和使用環境關係，有可能出現清掃不均勻的現象。遇到這種情況，請對微孔不銹過濾網進行維護。(83頁)

#### [清潔] 指示燈反復出現閃爍、亮燈和變暗現象。(並非故障)

- 在過濾網清掃運轉禁止的設定中，按 [手動清掃] 鈕會發出“嗶嗶”的信號接收聲， [清潔] 指示燈閃爍。(亮燈1秒/熄滅1秒, 10秒)
- 過濾網清掃運轉中以及運轉結束後(接通電源後的過濾網清掃運轉後、自動過濾網清掃運轉後和用遙控器進行手動方式的過濾網清掃運轉後)約5分鐘之內，為保護設備，即使用遙控器按 [手動清掃] 鈕也不會進行過濾網清掃運轉。這時，會響起“嗶嗶”聲， [清潔] 指示燈閃爍。(亮燈1秒/熄滅1秒, 10秒)

- 經過上述檢查處理，室內機顯示部的 [清潔] 指示燈仍然反復亮燈4秒/熄滅1秒。  
遇到這種情況，雖然無法進行過濾網清掃運轉，但冷氣機的其他功能不受影響可繼續運轉。
- 過濾網清掃部有故障時，請向購買本產品的銷售店諮詢。





## 維護

### ⚠ 警告

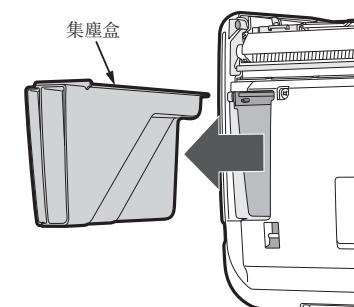
- 在清掃機體前，請使用遙控器停止操作或者切斷斷路器。

### ⚠ 注意

- 請絕對避免用水潑機體，因會有漏電的危險。
- 欲清掃機器的內部時，請與購買的經銷商商談。
- 避免使用清潔劑清洗室內機的熱交換器，要不然會使到機器故障。
- 當使用吸塵機清掃室內機的熱交換器時，請務必戴上手套以免觸摸到熱交換器時會有受傷的危險。

## 集塵盒的保養方法

- 平時不需維護。但是，環境不同，灰塵和微粒的量會變化，所以大致上請每2年1次對灰塵和微粒的量進行檢查，如發現已經積聚，請立即去除。
- 因灰塵和微粒的種類關係，灰塵或微粒有可能會積聚在捕塵器的背面，所以建議用戶對捕塵器也要進行維護。



**1** 請用遙控器停止操作，並斷開電源。  
(或者切斷斷路器)



**2** 用水清洗集塵盒。
 

- 污物難以去除時，請用低於40°C的溫水清洗。
- 用水清洗後請將其陰乾。

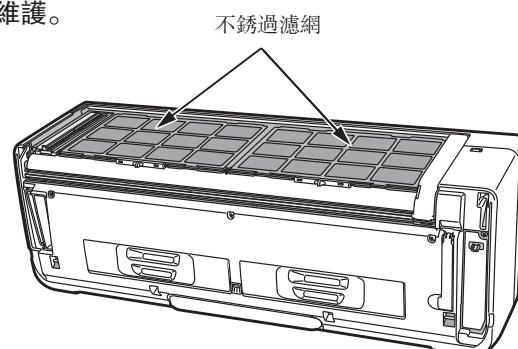
**3** 接入電源。(或打開斷路器)



中國語

## 不銹過濾網的保養方法

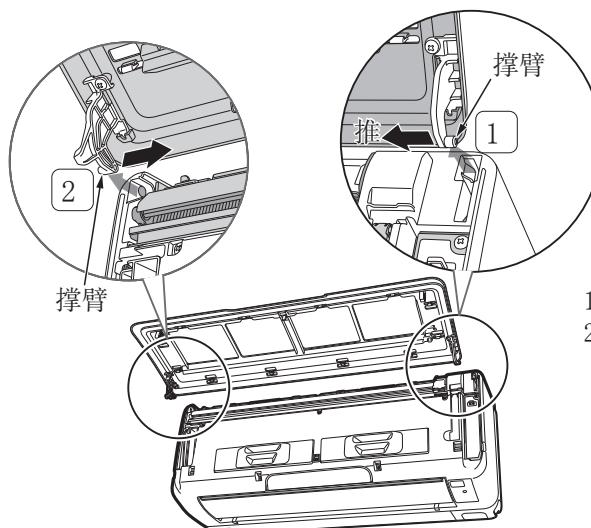
平時不需維護。但是，因使用環境等關係，覺得污染嚴重時，請進行維護。



**1** 請用遙控器停止操作，并斷開電源。  
(或者切斷斷路器)

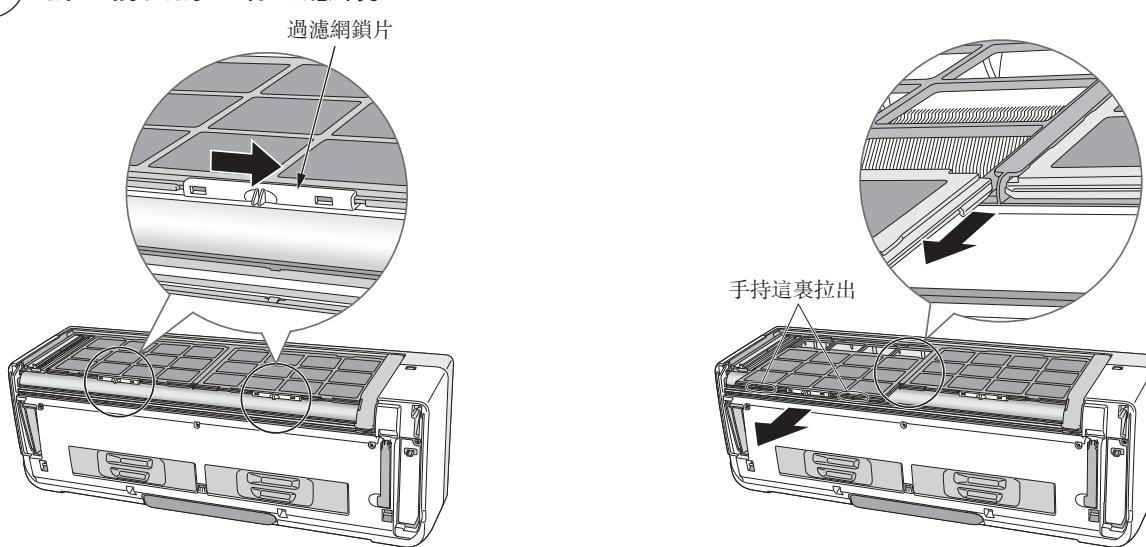
**2** 打開前面板。  
(打開前面板的方法56頁)

**3** 拆下前面板。



- 1 將右側撐臂的裏面向外側推，卸下軸。
- 2 請將左側撐臂移動到外側，卸下左側軸，並將其往自己方向拉。

**4** 拆下前面的不銹過濾網。



- 將不銹過濾網的鎖片(左右各2處)按圖示方向滑動。

- 將上方的微孔不銹過濾網略為抬起，同時將其往自己方向拉出。



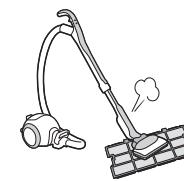


## 維護（繼續）

### 不銹過濾網的保養方法（繼續）

#### 5 用吸塵器等吸掉灰塵。

- 不銹過濾網上污染嚴重，難以用吸塵器去除時，請先用中性洗滌劑清洗，再用水衝洗乾淨，然後將其陰乾。



#### 6 安裝不銹過濾網。

- 對齊室內機上方，使其滑動推進去。（左右形狀相同。）
- 將過濾網鎖片（左右各1處）按矢印方向鎖緊。

#### 7 安裝前面板。

- 1 將前面板的左側撐臂的軸沿着室內機主機的臺階插入，直至其進入小孔內。
- 2 將前面板的右側撐臂的軸沿着室內機主機的臺階確實的插入，直至其進入小孔內。
- 3 確認前面板已經可靠地裝上了之後，關上前面板。

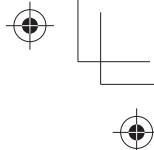
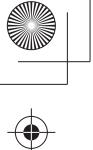
#### 8 關上前面板。（關上前面板的方法57頁）

#### 9 接入電源。（或打開斷路器）

##### ▲ 注意

- 如微孔不銹過濾網安裝不正確，會引起故障，使過濾網清掃運轉不能正常進行，同時 [清潔] 指示燈會閃爍。
- 請勿在卸下微孔不銹過濾網的狀態下運轉。  
否則灰塵會進入熱交換器的空隙或室內機內，並且氣味成分會附着在熱交換器上，引起故障。
- 裝卸微孔不銹過濾網時，請充分注意，防止手等被熱交換器的散熱片割破。



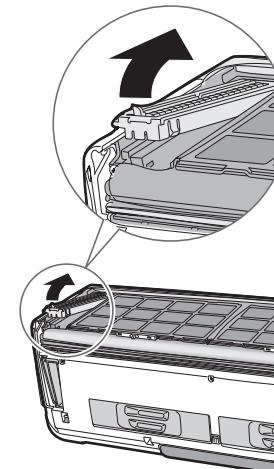
語  
國  
中

## 捕塵器的保養方法

平時不需維護。但是，因使用環境等關係，覺得污染嚴重時，請進行維護。

因灰塵和微粒的種類關係，灰塵或微粒有可能不會積聚在集塵盒內，而積聚在捕塵器的背面，所以建議用戶大致每2年要對灰塵或微粒的量進行一次確認，如發現有臟污，請進行維護。

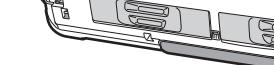
- 1 請用遙控器停止操作，并斷開電源。  
(或者切斷斷路器)。



- 2 拆下前面板。(拆下前面板的方法 83頁)

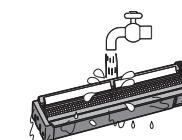
- 3 拆下捕塵器。

- 按照箭頭所示卸下集塵盒。
- 如集塵盒的深處積留了灰塵和微粒，請用吸塵器將其吸除。



- 4 用水清洗。

- 請用水清洗。
- 汚物難以去除時，請使用中性洗滌劑進行清除并用低於40°C的溫水清洗。
- 陰乾後請將其徹底晾乾。



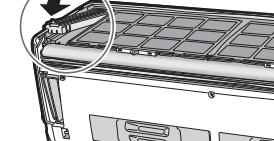
- 5 安裝捕塵器。

- 請將上方用集塵盒有扳杆的一方朝向身前側，插進深處并朝箭頭所示方向推入，直至發出“咔噠”聲響。



- 6 安裝前面板。

- (安裝前面板的方法 84頁)



- 7 接入電源。 (或打開斷路器 )



**注意**

如捕塵器安裝不正確，會引起故障，使過濾網清掃運轉不能正常進行，同時 [清潔] 指示燈會閃爍。



## 維護 (繼續)

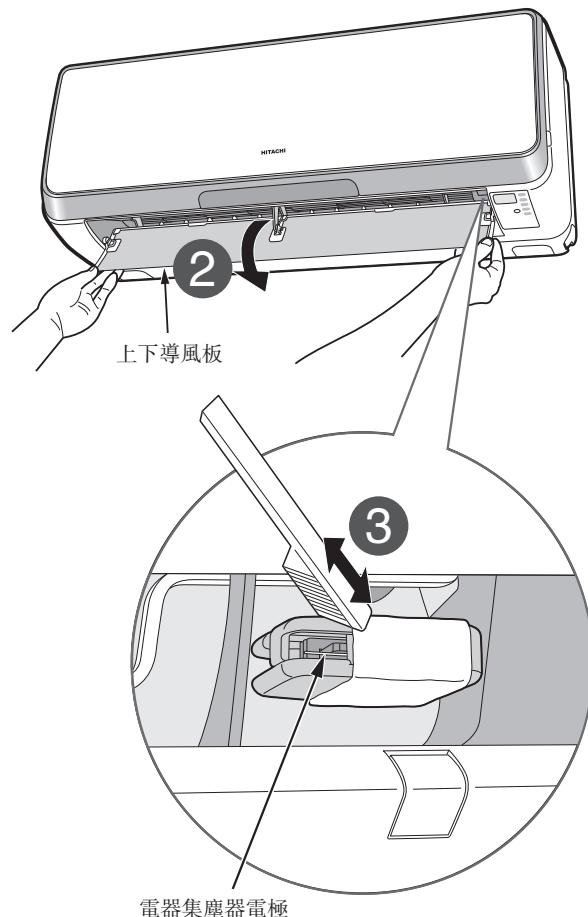
### 電氣集塵器電極的保養方法

**1** 請用遙控器停止操作，并斷下電源。  
(或者切斷斷路器)

**2** 請用雙手輕輕打開上下導風板。

**▲ 注意**

- 請務必用雙手按圖示方向輕輕打開上下導風板。  
否則會引起故障。
- 導風板碰觸到下擋塊後，請不要再移動它。  
否則會引起故障。



**3** 用牙刷清除電氣集塵器電極的臟污。  
• 請使用乾牙刷。  
• 輕輕將塵抹掉。

**4** 接入電源。(或打開斷路器)

**▲ 注意**

- 運轉中請勿碰觸電氣集塵器電極  
否則會因這裏存在的高電壓引起觸電。
- 請勿使電氣集塵器電極和室內機主機淋水  
否則會引起觸電或故障。



中國

## 運轉的原理和希望用戶事前了解的事項

### 各部的名稱和功能 (52頁)

#### 制熱能力

- 本房間冷氣機利用熱泵吸收室外空氣的熱量，將其轉移至室內行制熱，所以隨着室外氣溫的下降，制熱能力會降低。遇到這種情況，可以利用PAM和變頻器的作用，提高壓縮機的轉速，防止制熱能力的下降，如制熱情況仍不理想時，建議用戶同時使用其他取暖設備。
- 冷氣機要加熱整個房間的空氣，所以需要等待一些時間才會有溫暖的感覺。建議用戶利用定時功能提前進運轉。(74頁)
- 室外氣溫下降，濕度較高時，室外機的熱交換器上會結霜，在這種狀態下繼續使用會降低制熱效果，所以會自動進行除霜運轉。因此，制熱運轉會暫時停止，通常需要經過5~10分鐘左右(最長時間為20分鐘)才能恢復到原來的制熱運轉。

#### 制冷、乾爽除濕和涼快能力

- 室內如有超過制冷能力的熱源(人數多、使用發熱器具)，有可能達不到“設定溫度”。
- 室內有超過除濕能力的熱源及潮氣侵入、產生時，有可能達不到“設定濕度”。

※ 配管較長時，制熱和制冷能力會有所下降。

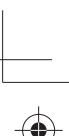
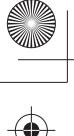
#### 注意

請勿在室內機的下方使  
用加熱爐等會形成高溫  
的器具。



禁止





## 更理想的使用方法

- 建議用戶設定為“恰當的室溫”，既省錢又有益於身體。
  - 請不要將室溫設定得過低或過高。對健康不利，且浪費電力。
  - 拉上窗簾或百葉遮簾，可以減少熱量的進出，更有效地用電。

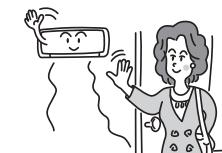


- 請時常換氣。

**⚠ 注意** 如果與燃氣器具同一室使用時，必要進行換氣。



- 要外出時，可有效利用霉菌監視功能。  
(請參照霉菌監視運轉)



- 就寢時，可有效利用定時功能。  
(請參照第74~76頁的定時器使用方法)

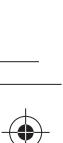
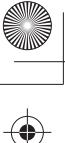


- 請勿使用以下項目清掃室內與室外機。
  - 石油精，汽油，酸，稀釋或刷子，因為這樣會損壞塑膠表面和塗裝。
  - 請勿用使40°C以上的熱水。有可能引起過濾網皺縮或塑料部件變形。



- 請勿阻礙機組的出風口和進風口。
  - 請勿在室內機，室外機的出風口，進風口處掛窗簾或濕衣物等阻礙。以免機器能力降低而導致故障。





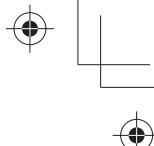
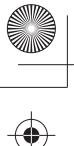
中 國 文

## 遇到問題時

### 過濾網清掃部的動作的說明

接通電源後(插入電源插頭後或停電後將斷路器合上後)會開始過濾網清掃	<ul style="list-style-type: none"> <li>目的是對過濾網清掃運轉進行動作檢查。</li> </ul>
不能運轉過濾網清掃  〔清潔〕指示燈反復出現閃爍亮燈或暗現象	<ul style="list-style-type: none"> <li>在冷氣機基本運轉中(制冷等)即使用遙控器按 [手動清掃] 鈕, 也不會進行過濾網清掃運轉。 (〔清潔〕指示燈亮燈1秒/熄滅1秒, 10秒之間)</li> <li>過濾網清掃運轉中或者運轉結束後的5分鐘內為保護設備, 即使按下遙控器 [手動清掃] 也不會再次運轉。 (〔清潔〕指示燈亮燈1秒/熄滅1秒, 10秒之間)</li> <li>有否設定為過濾網清掃運轉禁止? 請回到進行過濾網清掃運轉設定。 (〔清潔〕指示燈亮燈1秒/熄滅1秒, 10秒之間)</li> <li>微孔不銹過濾網、捕塵器、過濾網清掃刷和刷罩的安裝是否正確? (〔清潔〕指示燈亮燈4秒/熄滅1秒)</li> <li>採用睡眠定時運轉、關機定時運轉時, 停止冷氣機後不會進行過濾網清掃運轉。但是頻繁採用睡眠定時運轉、關機定時運轉時, 停止冷氣機後大約一周進行一次過濾網清掃運轉。</li> </ul>
過濾網清掃運轉時會發出聲響	<ul style="list-style-type: none"> <li>會出現用戶清掃器馬達的“嗡嗡”, “吼”聲。</li> <li>捕塵器在收集清掃裝置在往路上掃集的灰塵和微粒時會發出“啪啪”聲。</li> <li>清掃裝置在返路上使捕塵器翻轉時會發出“啪啪”聲。</li> <li>清掃裝置在掃集灰塵和微粒時有可能發出“吱吱”聲。</li> </ul>
清掃裝置在中途停了下來	<ul style="list-style-type: none"> <li>對過濾網清掃刷進行維護之後, 是否已經用遙控器將清掃器移動到了右端?</li> <li>微孔不銹過濾網、捕塵器、過濾網清掃刷和刷罩的安裝是否正確? (〔清潔〕指示燈亮燈4秒/變暗1秒)</li> </ul>
微孔不銹過濾網上留下了臟污	<ul style="list-style-type: none"> <li>因使用環境關係, 有可能出現清掃不均勻的現象。遇到這種情況, 請對微孔不銹過濾網進行維護。</li> <li>在過濾網清掃運轉禁止的設定中, 如隨意進行“手動方式過濾網清掃運轉”, 則有可能會因灰塵和微粒的數量關係而留下臟污。</li> </ul>

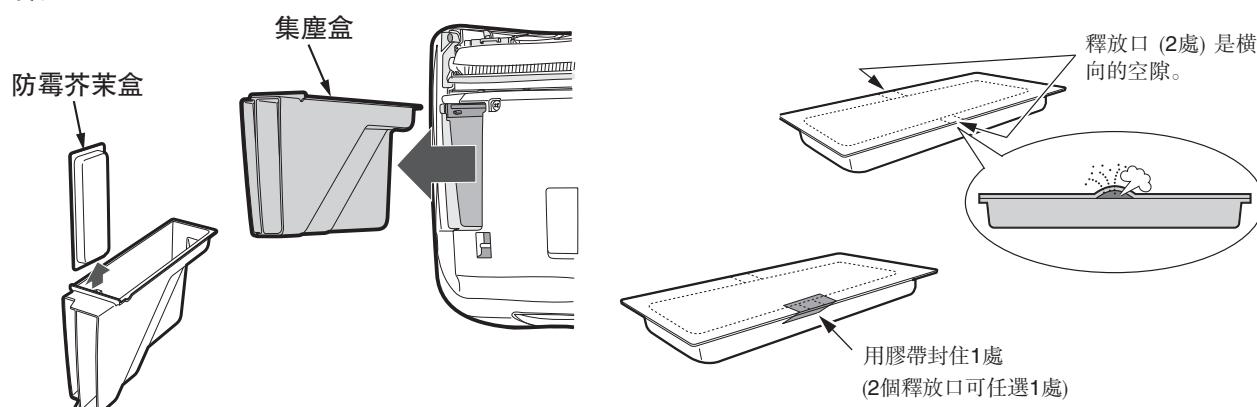




## 遇到問題時 (繼續)

### 防霉芥茉盒的說明

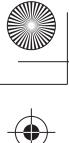
- 集塵盒內會積聚起過濾網清掃運轉所掃集的灰塵和微粒，本產品設計為利用芥茉氣味中的防霉成分防止霉菌的產生。雖然是微量釋放，但有可能在使用環境中會聞到芥茉味。如果覺得不好受，請用市售的膠帶將1個釋放口封住。這種情況下，防霉成分的釋放量會減少，所以防霉效果也會下降，因此我們建議用戶對集塵盒進行仔細維護。



### 請服務人員維修以前，請先檢查以下事項

不接收信號 ( 遙控器上的顯示顏色很淡或不顯示 )	<ul style="list-style-type: none"> <li>• 遥控器有没有電？</li> </ul>
	<ul style="list-style-type: none"> <li>• 乾電池的 + (正極) 和 - (負極) 方向是否正確？</li> </ul>
不能運轉	<ul style="list-style-type: none"> <li>• 電源是否接入？</li> <li>• 保險絲斷路開關是否已切斷？</li> <li>• 有勿停電？（停電後，運轉就會一直處於停止狀態。）</li> </ul>
冷度不太好 熱度不太好	<ul style="list-style-type: none"> <li>• 微孔不銹過濾網上有否積留灰塵？</li> <li>• “設定室溫”的設定是否合適？</li> <li>• 上下導風板是否處於與運轉情況相符的正確位置上？</li> <li>• 室內機，室外機的出風口，進風口處掛窗簾或濕衣物等阻礙？</li> <li>• 風速有否調節為“微”或“靜”？</li> </ul>
■■■ [清潔] 指示燈閃爍	<ul style="list-style-type: none"> <li>• 請確認 [過濾網清掃部的動作]。</li> </ul>





中 國 言

## 這並非有故障

出現異味	除了防霉芥茉盒之外，冷氣機本身並未使用會產生氣味的物質。因為冷氣機吸 入了室內空氣中含有的烟味、化妝品和食品散發的各種氣味，吹出來後就會產 生氣味。
制熱運轉時，① [運轉] 指示燈出 現反復亮燈和變暗的現象	因為在進行預熱和除霜運轉。
停止制冷、乾爽除濕和涼快運 轉後，① [運轉]  [清潔]指示 燈亮燈	因為在進行內部清潔運轉。（69頁）
發出“唏嚕唏嚕” “呷—” “啵 咕啵咕” “噗唏”的聲響	這些是制冷劑在管道內流動的聲響和切換制冷劑流向時閥發出的聲響。
發出“呵唏呵唏”的聲響	這是因為溫度變化引起冷氣機本身膨脹、收縮時發出的聲響。
發出“吧嘎吧嘎”的聲響	這是運轉開始時等，室內機上的風扇轉速改變時發出的聲響。
發出“咯嗒咯嗒”的聲響	這是接通電源時，電動閥動作時發出的聲響。
運轉聲響變化	這是因為隨着室溫的變化，運轉功率發生了改變。
出現霧	這時因為室內的空氣受到冷氣機的冷氣影響，迅速冷卻後形成霧狀。
室外機冒熱汽	這是因為除霜運轉時溶化的水分蒸發所致。
即使按了“停止”，① [運轉] 指 示燈仍在閃爍，室外機在工作	這是在進行自動清新除霜（停止“制熱”後，微電腦檢查室外機的結霜狀態，並 根據需要發出自動除霜運轉指令的功能）。
達不到設定溫度	因室內人數和室內、室外條件的關係，遙控器的設定室溫和實際的室溫有可能 會有一些出入的情況。

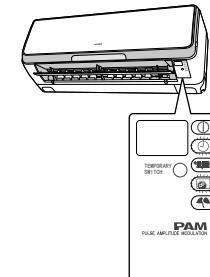


## 遇到問題時 (繼續)

### 出現下述情況時,請迅即向銷售店諮詢

如果用戶按照 89 ~ 92 頁的說明進行分析檢查後, 問題仍然得不到解決, 或者出現以下各種現象時, 請拔掉電源插頭(或者將斷路器斷開), 并迅即向購買本產品的銷售店諮詢。

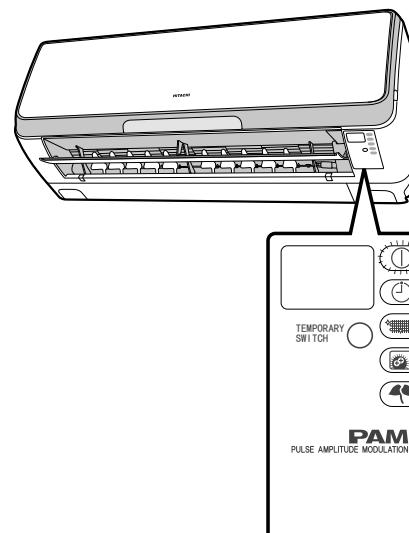
- 斷路器或保險絲頻繁斷開。
- 開關的動作不可靠。
- 不慎讓異物或水分進入了冷氣機內部。
- 電源線過熱, 電源線上的絕緣層出現破損。
- 室內機顯示部上的 [定時器] 指示燈或者 [監視] 指示燈不停地閃爍。



### 暫時運轉

在因電池用完等無法使用遙控器時, 可按下暫時運轉開關進行暫時運轉。

**1** 進行暫時運轉時, 請先斷開電源。  
(或切斷斷路器。)

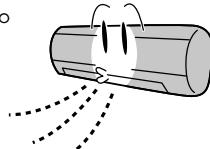


**2** 再次接入電源。(或打開斷路器。)

**3** 按下暫時運轉開關後, 會進行自動運轉。  
• 按住5秒鐘後, 會進行暫時運轉。  
這是銷售店內進行的操作, 請用戶不要進行這項操作。

### 準備長期不使用時 (1個月以上), 請照以下步驟來維護

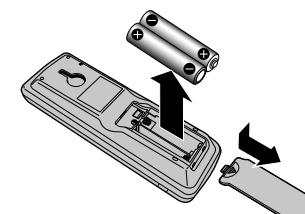
**1** 對室內機的內部進行乾燥處理。



**2** 將電源拔掉或切斷。

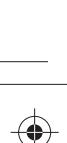
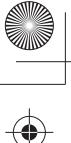


**3** 將乾電池取出。



- 在天晴時, 請進行為時半天左右的不鏽等離子空氣清淨運轉(送風)。在室內機內部濡濕的狀態下長時間不使用時, 很容易產生霉菌。

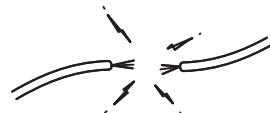




中國

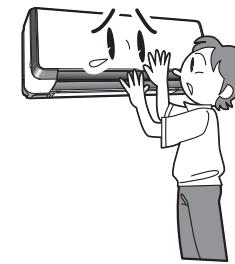
## 定期檢查

請半年~1年進行一次下述的定期檢查。  
如發現有可疑之處, 請迅即與購買本產品的銷售店聯系。

	<b>警告</b>	<p>電源插座 ... 電源插頭是否已經可靠地插入電源插座?</p> <p>電源插頭未可靠地插入電源插座, 或出現發熱現象時, 會引起觸電或火灾。</p> <ul style="list-style-type: none"> <li>如電源插頭上附着了灰塵或有污物等, 請在清掃後再插入電源插頭。</li> </ul>
	<b>警告</b>	<p>接地線 ... 是否可靠地進行了接地?</p> <p>要確認已經正確地進行了接地。 如接地線脫開、中途斷線, 則會造成動作出錯或引起火灾。</p>
	<b>警告</b>	<p>安裝架 ... 安裝後有否處於不穩定狀態?</p> <p>要確認安裝架有否嚴重生鏽, 或室外機有否出現傾斜。 室外機傾倒、掉落會致人負傷。</p>

### 檢查整備

利用過濾網清掃運轉會自動地進行過濾網的清掃, 并且冷氣機內部設計成不容易受到污染的構造, 但是冷氣機經過幾年使用後, 有可能出現內部污染和性能降低的現象。



#### ▲ 注意

通常的維護之外還需要進行檢查整備  
室內機內部積存了雜物和灰塵後, 有可能堵塞除濕水的排水通道, 造成室內機向外滴水。

- 建議用戶在通常的維護之外要進行檢查整備。

#### 檢查整備要委托購買本產品的銷售店

檢查整備需要專業技術。使用市售的清洗劑等有可能引起樹脂部件的開裂和排水通道的堵塞, 還會引起滴水或觸電。

- 需要檢查整備時, 請向購買本產品的銷售店諮詢。

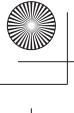




## 運轉顯示快查表

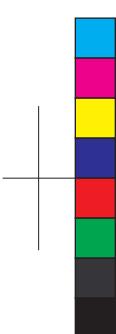
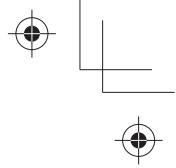
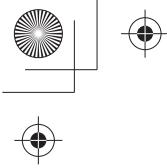
顯 示	運 轉 模 式
	<ul style="list-style-type: none"> <li>• 自動運轉 (61頁)</li> <li>• 制熱運轉 (62頁)</li> <li>• [乾爽除濕] (舒適隨意/結露抑制/快速乾衣) 運轉 (62頁)</li> <li>• 制冷運轉 (63頁)</li> <li>• 凉快運轉 (64頁)</li> <li>• 不锈等離子空氣清淨運轉 (66頁)</li> <li>• 自動、手動、制熱、乾爽除濕、制冷、涼快和不锈等離子空氣清淨運轉 (66頁)</li> </ul>
	<ul style="list-style-type: none"> <li>• 紅外線人體檢知運轉(67頁)</li> <li>動態導風運轉 ( 跟踪/回避)(68頁)</li> </ul>
	<ul style="list-style-type: none"> <li>• 內部清潔運轉中 (69頁)</li> </ul>
	<ul style="list-style-type: none"> <li>• 霉菌監視運轉予約中 (71頁)</li> </ul>
	<ul style="list-style-type: none"> <li>• 霉菌監視運轉中 (71頁)</li> </ul>
	<ul style="list-style-type: none"> <li>• 定時器預約運轉 (74頁)</li> <li>• 睡眠定時運轉 (77頁)</li> <li>• 在所有運轉中預約了定時的情況下, 定時指示燈會亮燈。</li> </ul>
	<ul style="list-style-type: none"> <li>• 過濾網清掃運轉 (78頁)</li> </ul>





# 備忘録





< 474 : A >

