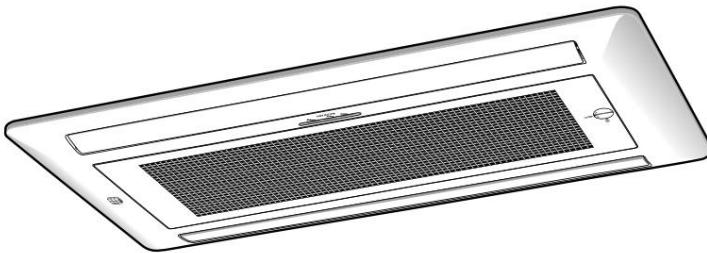


**HITACHI**

**日立まくら**  
日立 P A M エアコン



## operating instructions

Warranty and installation instructions included

### Hitachi Room Air Conditioner System Multi Indoor Unit

For home use

Model	Remote Control
RAMP-36DCS	RAR-5C3
RAMP-40DCS	
RAMP-50DCS	
RAMP-56DCS	

Thank you very much for purchasing a Hitachi room air conditioner. Please read this instruction manual carefully and use the product correctly. After reading it, please keep it in a safe place together with the warranty and installation manual.

Please read the "Safety Precautions" on pages 8  
use the product correctly.

This room air conditioner is intended for air conditioning for ordinary households. Do not use it to store food, animals, plants, precision instruments, artwork, medicines, etc.



This product uses a refrigerant that does not damage the ozone layer.



Home air conditioners contain fluorocarbons (R410A) with a GWP (global warming potential) of 2090. To prevent global warming, fluorocarbons must be recovered when relocating, repairing, or disposing of the air conditioner.

#### [About the "visualization" labeling of refrigerant]

This labeling is to let you know that greenhouse gases (fluorocarbons) are enclosed in home air conditioners. When removing the air conditioner, the fluorocarbons must be collected. When disposing of the air conditioner, if you properly hand it over in accordance with the Home Appliance Recycling Law system, the fluorocarbons will be properly disposed of.



For home use in Japan only.

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**Warranty and after-sales service**

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	this air

**Frequently asked questions about air conditioners**

•About the lamp lighting/flashing

Pages 17, 41

•The lamp is still on even though operation has been stopped

Page 41



# About multi air conditioners

This air conditioner can operate multiple indoor units connected to one outdoor unit. It can be operated in one room or multiple rooms depending on the needs of the room.

## Simultaneous operation

When operating multiple indoor units simultaneously, the capacity of each indoor unit may be lower than when operating one unit at a time, depending on the combination of indoor units. During heating: When operating a second unit, the discharge air temperature of the indoor unit that was previously operated may drop. In that case, the fan speed may be reduced to increase the discharge air temperature. When cooling: When a second unit is operated, the discharge air temperature of the indoor unit that was operated first may rise. •When operating multiple rooms simultaneously, such as in midsummer or midwinter, it may take time for the rooms to cool or heat up. Operate one room for a certain amount of time before operating the other rooms. •If a room does not cool or heat very well, reduce the number of units in operation. •When operating multiple heating units, the room temperature may be higher than the set temperature depending on the operating status of the other rooms. •For capacity when operating simultaneously, refer to the "Specifications Table" included with the outdoor unit.

## About operation combination

### In case of manual operation

•If the operation modes (cooling/heating) of each indoor unit are different, they will not operate.

Type of driving	Type of driving	heating	Cooling, dehumidification, ventilation
heating		ŷ	✗
Cooling, dehumidification, ventilation		✗	ŷ

ŷ: Simultaneous operation is possible. ✗: The indoor

unit that will be operated later will not operate. (The operation lamp of the indoor unit that is not operating will light up. In this case, the upper and lower louvers will open for a moment, but then close again.) If you want to operate the subsequent indoor unit, temporarily stop the first or subsequent indoor unit, reset the operation type, and then operate it again.

### In the case of autonomous driving

•If heating operation is automatically selected first, the next indoor unit will also operate in heating mode. Also, if cooling or dehumidification operation is automatically selected first, the next indoor unit will also operate in either cooling or dehumidification mode.

## Regarding stopped indoor units

When the indoor unit is operating in "heating", "cooling" or "dehumidification" mode in another room, the indoor unit may make noise or become warm even though it is stopped.

This is because a small amount of refrigerant still flows into the indoor unit even when it is stopped.

## Precautions for Use

If you want to use another indoor unit for heating operation after the cooling or dehumidification operation has finished, turn off the indoor unit that was operating for cooling or dehumidification for about 30 minutes.

Please operate the unit in heating mode (set temperature 16°C, fast air speed).

This is because condensation may form inside the indoor unit.

## What you need to know

Even if the fan speed is set to something other than "automatic," the air conditioner may blow air depending on the room temperature and operating conditions.

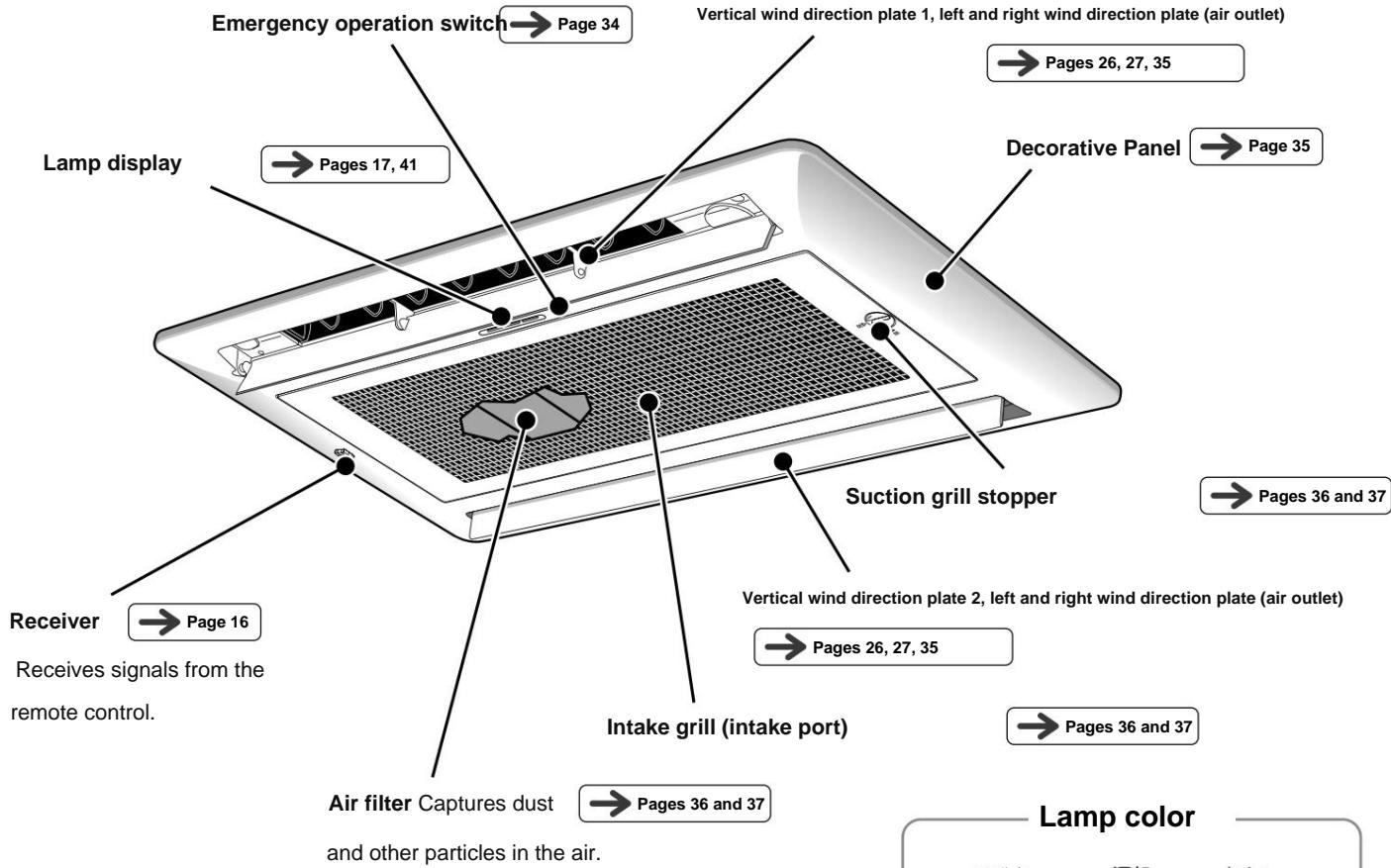
If the air temperature changes, the air speed may change automatically. • If the piping is long, the cooling and heating capacity will decrease.



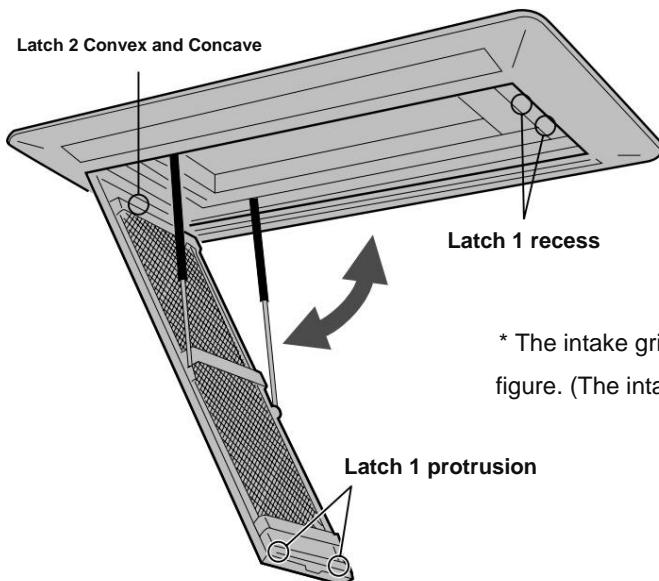
# Names of each part and accessories

The numbers after are the pages with the main explanations .

Indoor unit \*The diagram shows the unit in operating mode for explanation purposes

**Lamp color**

フィルター 運転 タイマー  
(Orange) (Yellow) (Orange)



## Names and accessories of each part (continued)

### accessories

Remote Control

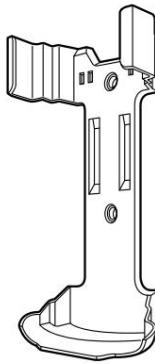
→ Pages 12 to 16



(1 piece)

Remote control holder

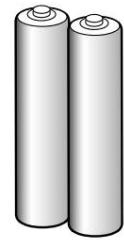
→ Page 16



(1 piece)

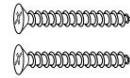
AAA alkaline battery for monit

→ Page 14



(2 bottles)

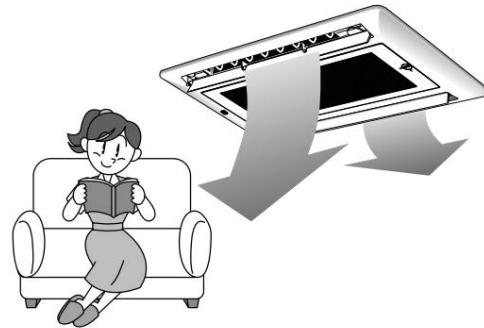
Fixing screw



# Tips for good use

## Make sure the air conditioner's air flows smoothly.

Air conditioners work by circulating air in the room to reach the set temperature. Do not block the air outlets or intakes of the indoor or outdoor units with curtains or other objects. A smooth airflow will help the temperature reach the set temperature faster and save energy.



## Be careful not to let it get too cold or too warm.

Too much heat or too little cooling is not good for your health and also uses a lot of electricity.

Setting the temperature to the appropriate level is best for your health and your budget.



## Make good use of window curtains and blinds.

Closing the curtains or blinds on your windows will reduce the amount of heat that gets in and out. This will help the room reach the set temperature faster, make it easier to maintain the set temperature, and save energy. \* Make sure that the curtains do not block the airflow of the air conditioner.



## Turning the dedicated breaker to "OFF" helps to conserve electricity.

When the power is on, even if the device is not in operation, a small amount of electricity is consumed within the control circuit. If the device will not be used for an extended period of time, you can conserve electricity by turning off the dedicated breaker.

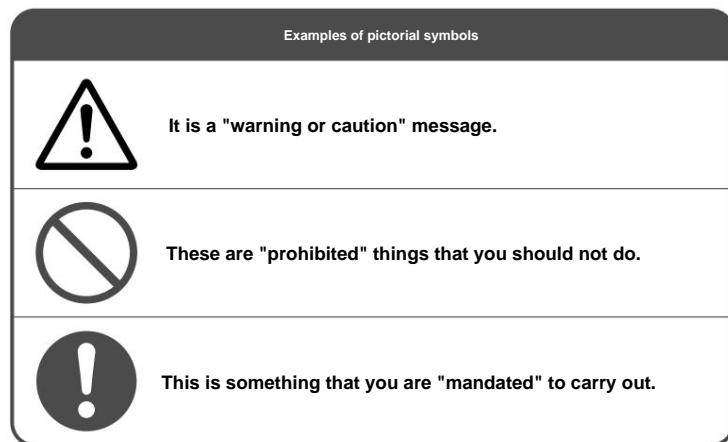
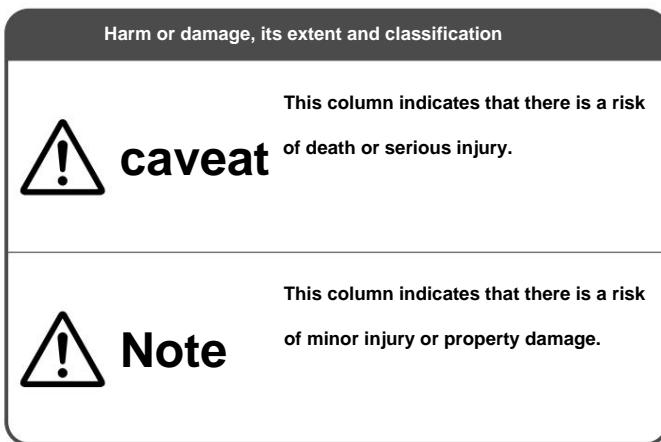


# Safety precautions (please observe)

In order to prevent injury to the user or other people, and damage to property, the following precautions must be observed: Please also carefully read the precautions in the text and use the product correctly.

## ŷ The notes shown here are

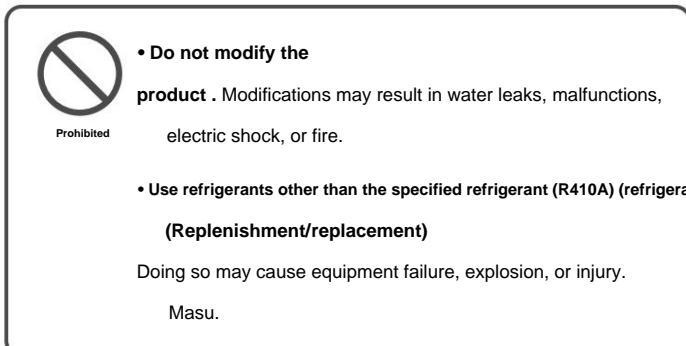
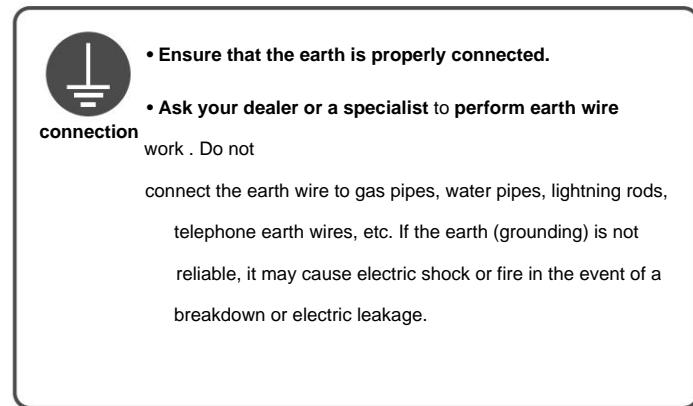
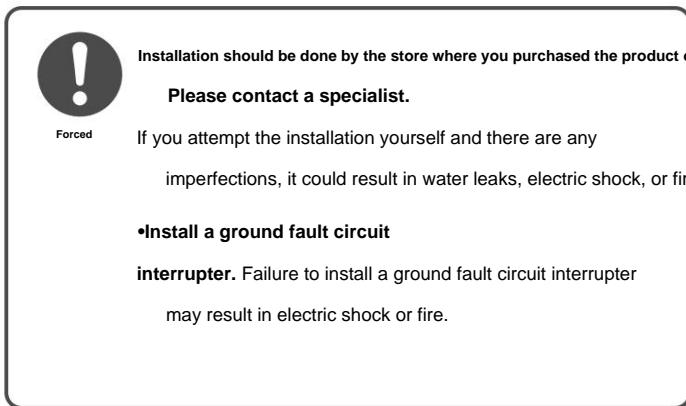
The following symbols classify and explain the degree of harm or damage that may occur if the product is used incorrectly, ignoring the symbols and their contents.



## ŷ After reading, be sure to store it in a place where users can see it at any time.

## Installation

### **caveat**



# Installation

## Note



Forced

- Do not connect to any power source other than that specified.

Using a power source other than that specified may cause electrical components to heat up and result in a fire.

If there is an imperfection in the drainage path **that ensures reliable drainage of dehumidified water**, water may drip from the indoor and outdoor units and cause furniture and other items to get wet.



Prohibited

- Do not install the unit in locations where there is a risk of flammable gas leaks.

If gas leaks and accumulates around the outdoor unit, it may ignite and cause a fire.

- Install in places where animals and plants are directly exposed to wind.
- do not

This may cause adverse effects on plants and animals.

# Power Supply

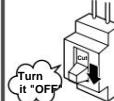
## caveat



- Instead of a fuse for a safety device, use wire or

Do not use copper wires,

etc. This may cause breakdowns or fires .



- If an abnormality occurs (such as a burning smell), stop operation, turn off the dedicated breaker, and contact the store where you purchased the product or the customer service center for inspection and repair.

Continuing to operate the unit while it is malfunctioning may result in breakdown, electric shock, or fire.

- If there is a risk of lightning, stop operation and turn off the dedicated breaker.

Depending on the severity of the lightning strike, it may cause a breakdown.

It will be.

# Safety precautions (please observe) (continued)

## Handling and care



**Do not expose your body to cold air for long periods of time.**

**Don't overcook**

Prohibited

It can lead to poor physical condition and health problems.

**Do not block the air outlet or intake of the indoor or outdoor unit, and do not insert fingers or sticks into the air outlet or intake.**

The internal fan rotates at high speed, which may cause injury or damage to the product, and may also reduce performance.

- **Do not clean the inside of the indoor unit yourself or spray deodorants. Cleaning an air conditioner requires specialized skills, so consult with the store where you purchased the product. Using commercially available cleaning agents or deodorants may cause plastic parts to crack, internal parts to deteriorate, and drainage paths to become clogged, resulting in water leaks, electric shock, etc.**
- Also, if cleaning agents or deodorants come into contact with electrical equipment , it may cause electric shock or fire.



Forced

**If the air conditioner does not cool or heat, one possible cause is a refrigerant leak. Consult the store where you purchased the unit.**

The refrigerant used in air conditioners is harmless. If the refrigerant leaks into the room and comes into contact with a flame from a fan heater, stove, or cooker, harmful products will be produced. If you notice a pungent odor, immediately stop the air conditioner, open the windows, etc. to ventilate the room, and contact your dealer.



## Note



Forced

- **When performing maintenance, be sure to stop operation and turn the dedicated breaker to "OFF."**

The internal fan rotates at high speed and may cause injury or equipment failure.

- **Wear gloves when cleaning the air conditioner.**

This can cause injury.

- **Do not hang laundry or other items on the suction grille as this may cause the grille to fall and result in injury.**



Prohibited

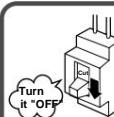
**Do not wash the air conditioner with water.**

Electric leakage may cause electric shock or fire.



**Do not operate the switch with wet hands as this**

may result in electric shock.



**If you are not going to use the appliance for a long period of time, turn off the dedicated breaker for safety reasons.**

## regarding handling and



care



Prohibited

•This air conditioner is intended for air conditioning for ordinary households, so do not use it for special purposes such as storing food, animals and plants, precision instruments, artwork, medical supplies, etc. Doing so may cause a deterioration in the quality of these items. It may also cause a deterioration in the functionality and performance of the air conditioner, or cause it to break down.

•When operating the air conditioner together with a combustion appliance, ventilate the room frequently. Insufficient ventilation may cause an oxygen deficiency. •Do not place combustion appliances in direct contact with the air conditioner's wind. This may cause incomplete combustion in the combustion

appliance. •Do not leave the installation damaged due to long-term use, etc.  
Do not use as a stand

This may cause the outdoor unit to fall and result in injury.

•Do not expose plants or animals to the direct wind. This may have adverse effects on plants and animals. •Do not stand on or place objects on the outdoor unit.

Doing so may result in injury due to the unit falling or tipping over.

•Do not place other electrical appliances or furniture under the air conditioner.

Water may drip onto the appliance, causing damage or breakdown.



Prohibited

•When cooling or dehumidifying, if the window or door is left open (when the humidity in the room is over 80%) and the room is not operated for a long time, dew may form on the upper and lower louvers.

Sometimes the dew may fall off and cause your belongings to get wet. • When using the room to dry out a room during a new build or

do not have

This may result in a decrease in the function and performance of the air conditioner, and dew may form on the upper and lower louvers, causing the dew to drip and wet your belongings. Do not use the air conditioner under a load that exceeds its capacity (such as in a large room or with many people present that exceeds its cooling or heating capacity).

This may result in the set temperature not being reached or dew forming on your belongings and causing them to get wet.

Do not operate the machine when applying wax to floors, etc.

Wax components will adhere to the inside of the air conditioner and cause water dripping.

After applying wax, ventilate the room thoroughly and then Please drive after that.



Do not touch the refrigerant piping or connection valves.



Do not touch the air inlet, bottom, or

fins of the outdoor unit, as this may result in injury.

## Relocation and repairs



caveat



Forced

For repairs, please contact the store where you purchased the product or a repair center.

If you attempt to repair it yourself and it is defective, it may result in electric shock or fire.



Forced

•If you need to move or reinstall the air conditioner, contact the store where you purchased it or the customer service center.

If you move or reinstall the unit yourself and it is improperly installed, it may result in water leakage, electric shock, or fire.

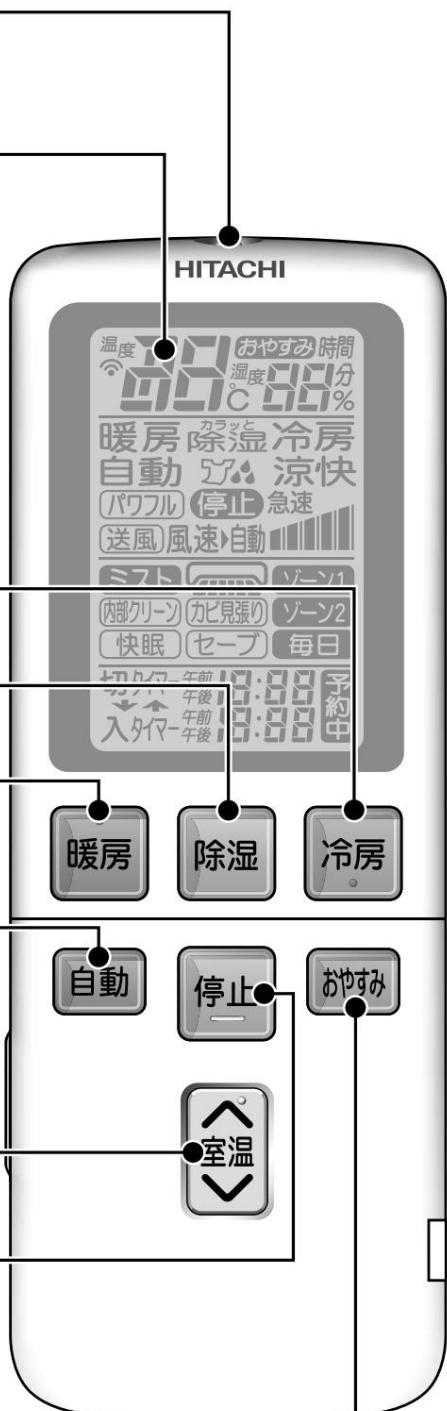
# Remote control buttons

## Remote Control

### Transmitter P.16

#### LCD display

- Displays operation details and function settings. If no operation is performed for about 1 minute while the unit is stopped, the LCD display will turn off. Press the button to display again.



#### Start driving

→ Pages 18 and 19

The operation of the pressed button will begin.

#### "Cooling" operation P.21

#### "Dehumidification" operation P.22

#### "Heating" operation P.20

#### "Automatic" driving P.23

(This is the same function as the "automatic" operation inside the door.)

#### Set the room temperature P.18

#### Stop driving

• The "On Timer" reservation will not be canceled even if operation is stopped.

#### Start driving

→ Pages 18 and 19

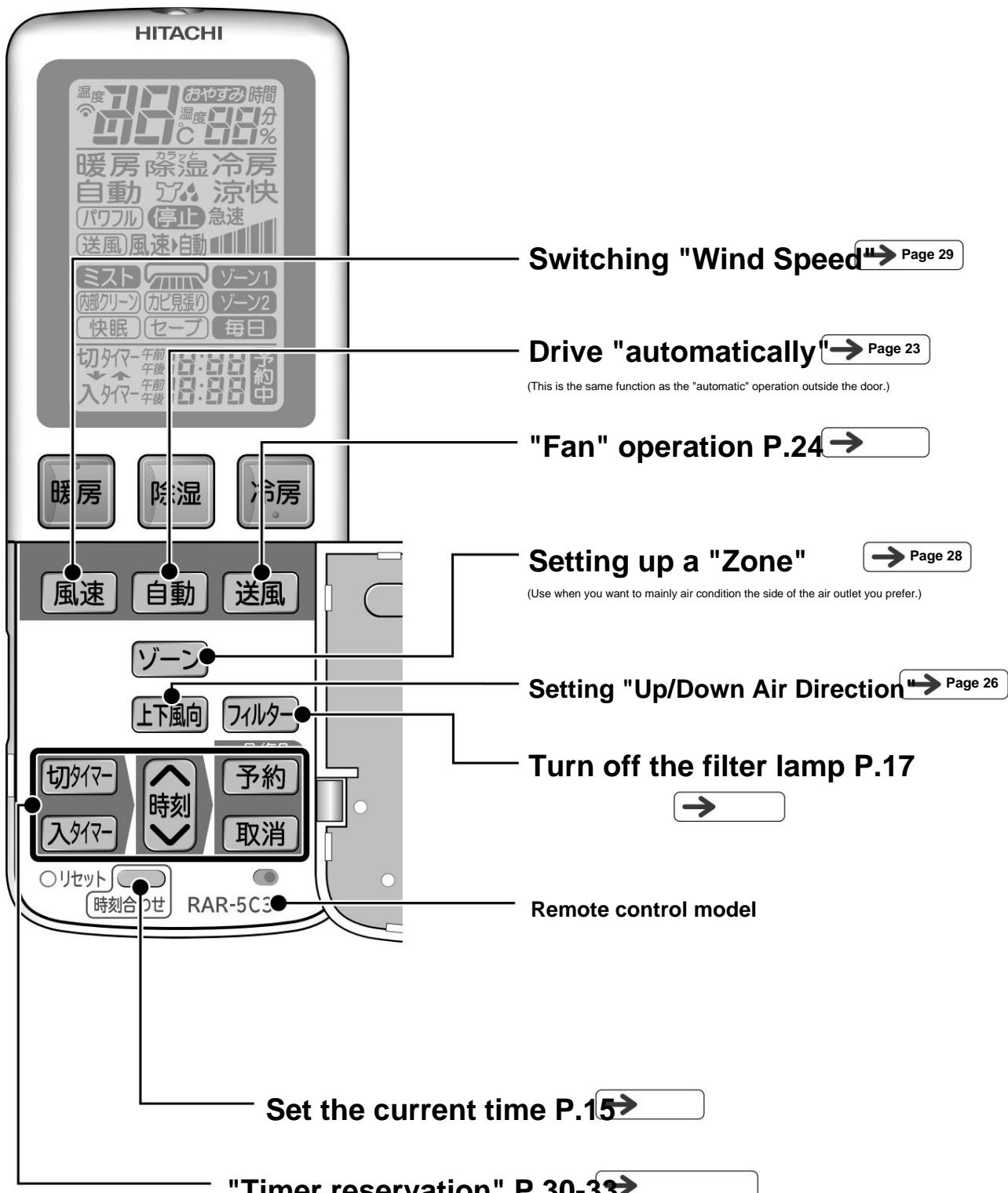
#### "Good night" operation P.25

The timer will operate the fan at a wind speed suitable for sleeping.

## Remote control (door open)

\*The LCD display in the diagram shows the display immediately after pressing the reset switch.

Functions not available on this room air conditioner are also displayed.



# Preparing the remote control

## Inserting the batteries

### Open the battery compartment cover

- Press the mark and pull it out toward you.

2

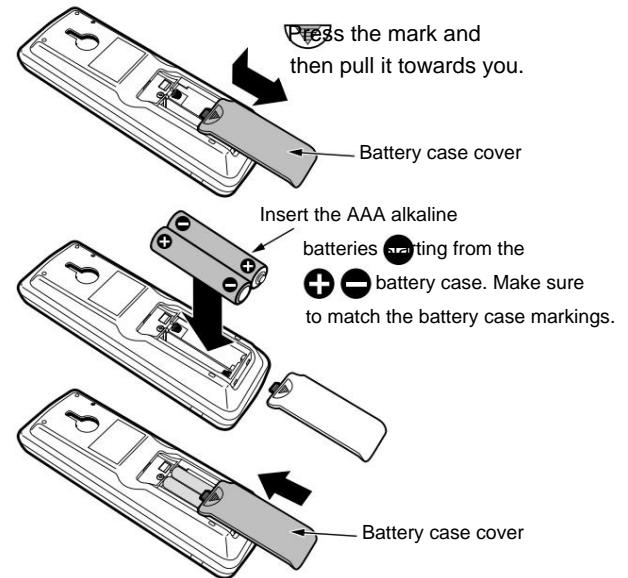
### Insert two AAA alkaline batteries (LR03 type)

- Insert correctly according to the markings on the battery case.

3

### Close the battery compartment cover

- Push the lid in until you hear a click.



## How to open and close the door

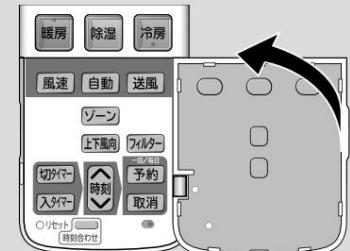
### How to open the door

Place your finger on the protrusion on the left side of the door and open it to the right.



### Closing the door

- Close securely until you hear a click.



## Tips for using the remote control

### >About dry batteries

The life of alkaline batteries is approximately one year under normal use. If the batteries are approaching their "recommended expiration date" or the "monitor" included with the battery pack has expired, the lifespan of the "dry cell batteries" will be shorter.

• If the LCD display on the remote control becomes dim or the indoor unit no longer receives signals, replace the batteries. • After replacing the batteries or if

the unit is not operating normally, be sure to press the reset switch and set the current time. • If the batteries are used incorrectly, there is a risk of leakage or explosion. Carefully read the warnings for the batteries, paying particular attention to the following points when using them.

So lame.

(1) Insert the batteries correctly, making sure the (+) and (-) terminals are facing in the correct direction as indicated on the battery case. (2) Do not mix new and old batteries, or different types of batteries. (3) Remove the batteries if you will not be using the product for an extended period of time (one month or more). In the unlikely event of a battery leak, wipe it off thoroughly before inserting new batteries.

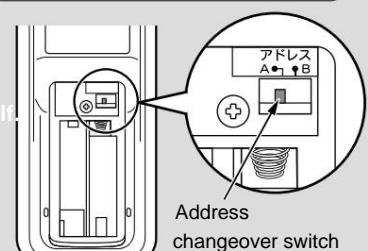
Back of the remote control (inside the battery case cover)

### about the address change switch

**For setup, please contact the store where you purchased the product. Do not set it up yourself.**

(If the settings are not correct, the remote control may not function properly.)

• Use this to prevent interference between remote controls, for example when two indoor units are installed in the same room.



Set the current time (to 1:30 PM)

**Note:** If the current time is not set, the timer cannot be operated.

**1 Press with a pointed object.**

- 午前 午後 start flashing.

**2**  **Press Forward to set the time**  
**Back**

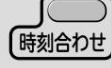
- Press and hold to fast forward.

**3**  **Press to set the current time**

- The PM display will turn on and the time adjustment will be completed.

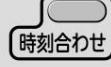
The time display will turn off automatically after about 10 seconds.

**When checking the time**

 **Press twice**

\*When the LCD display is off, press it three times.

**To correct the time**

 **Press to operate 2 3**

Remote control display

18:00  
Blinking Light

1:30  
Blinking Light

1:30  
Lights on Lights off

Remote  
control (door open)

Time display section

暖房 除湿 冷房

風速 自動 送風

ゾーン 上下風向 フィルター

切タイマー 入タイマー 時刻合わせ 予約 取消

リセット 時刻合わせ

1 3 2

Thin-tipped object

# Preparing the remote control (continued)

## How to operate the remote control

- When setting operation or functions, point the transmitter of the remote control at the receiver of the indoor unit and press a button. When the indoor unit receives the signal, a beep will sound and the lamp will light up.

(There is also a function that does not light the lamp.) For about 10 seconds immediately after turning on the power, no signal will be received even if you press a button on the remote control. •The reception distance is about 7m in front. If there is an electronic lighting fixture in the room, the reception distance may be shorter or reception may not be possible in some cases.

- If no operation is performed for about 1 minute while the unit is stopped, the LCD display will turn off to save power.

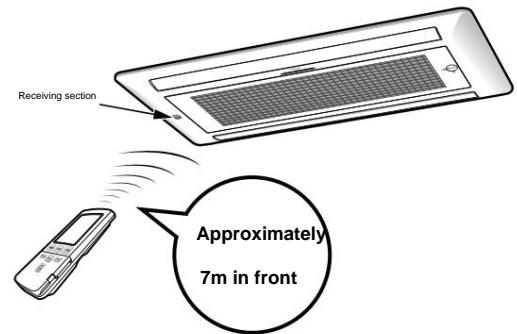
The lights will turn off.

Buttons that start operations such as "heating" and "cooling" can be started with a single button press.

The LCD display will not turn off during timer reservation. Please handle the remote control with care. Do not drop it or let it come into contact with water.

If this occurs, you may not be able to send messages.

- Regarding remote control inspection → **P.38**

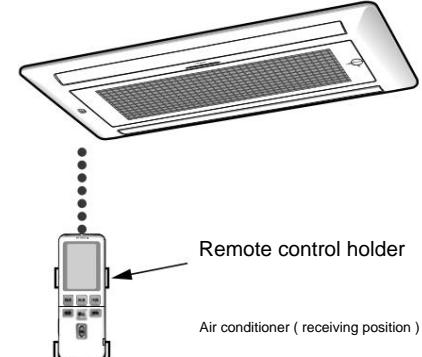


## How to use the remote control holder

- The remote control can be attached to a pillar or wall using the remote control holder.

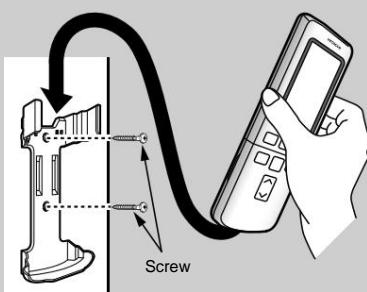
### Note

- Before installing, make sure that you can turn the unit on and off from the installation location. •If the ceiling above the indoor unit is high due to an open ceiling, or depending on the installation location of the remote control holder, you may not be able to turn the unit on or off with the remote control holder installed.



## How to install the remote control / How to remove the remote control

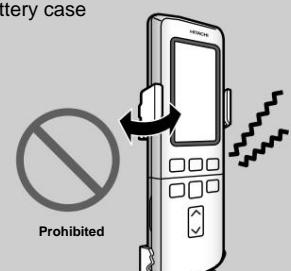
- Insert from above.



- Hold the top of the remote control and pull it upwards.



- Do not twist the remote control left or right to remove it. This may cause the door or battery case cover to come off.



# How to read the indoor unit lamp display

The lamp will light up or blink to inform you of the operating status.

•For flashing indications other than those listed below, please refer to .

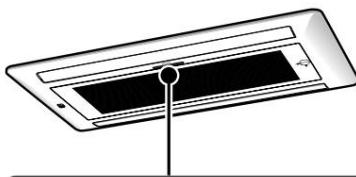
•When in "sleep" mode, the lamps are dimmed.

Also, onëdim changes to dimëoff.



フィルター 運転 タイマー

(Orange) (Yellow) (Orange)



Lamp Indication

Announcement Content

Filters 運転 タイマー

Lighting

•One of the following modes is operating: "Heating," "Dehumidification," "Cooling," "Auto," or "Fan."

→ Pages 20 to 24

Filters 運転 タイマー

Light on Dimming

•When the unit is in "preheating" mode and the outdoor unit is in "defrosting" mode.

→ Page 20

•When you go to sleep, the brightness of the lamp changes from "dim" to "off."

Masu.

Filters 運転 タイマー

•Lights up after 200 hours of operation. Filter cleaning is required. Press when operation is stopped to turn off the light.

フィルター

Masu.

Filters 運転 タイマー

Lights on

on

•When "Good night" or "Timer reservation" is running.

→ Pages 25, 30-33

Filters 運転 タイマー

Lighting

•"Timer reservation" in progress.

→ 30-33

# Basic flow of driving

## Press the shuttle button to drive

(For heating operation: ) 

- A beep will sound, the operation of the pressed button will start, and the operation details will be displayed on the remote control. • If you change the operation type during operation, operation may stop for approximately 3 minutes to protect the machine.

## How to use the buttons

Raise the room temperature	Reduce humidity	Lower the room temperature	Automatic air conditioning
			
<a href="#">Page 20</a>	<a href="#">Page 22</a>	<a href="#">Page 21</a>	<a href="#">Page 23</a>

## 2

You can change the room temperature, airflow speed, and direction to suit your preferences, and use a variety of other functions.

[Pages 25 to 33](#)

When changing the room temperature setting



- Each time you press the button, a beep will sound and the temperature will change by 1°C. • At a set room temperature of 20°C, the reference temperature is A short beep will sound.
- When the set room temperature is 30°C, a beep will sound as this is the reference temperature.

## 3

The suspension of operation  Press

- A beep will sound and operation will stop.

## Movements after operation begins

The upper and lower air deflectors automatically open to the appropriate angle for the type of operation.

Controls operation to achieve the set temperature

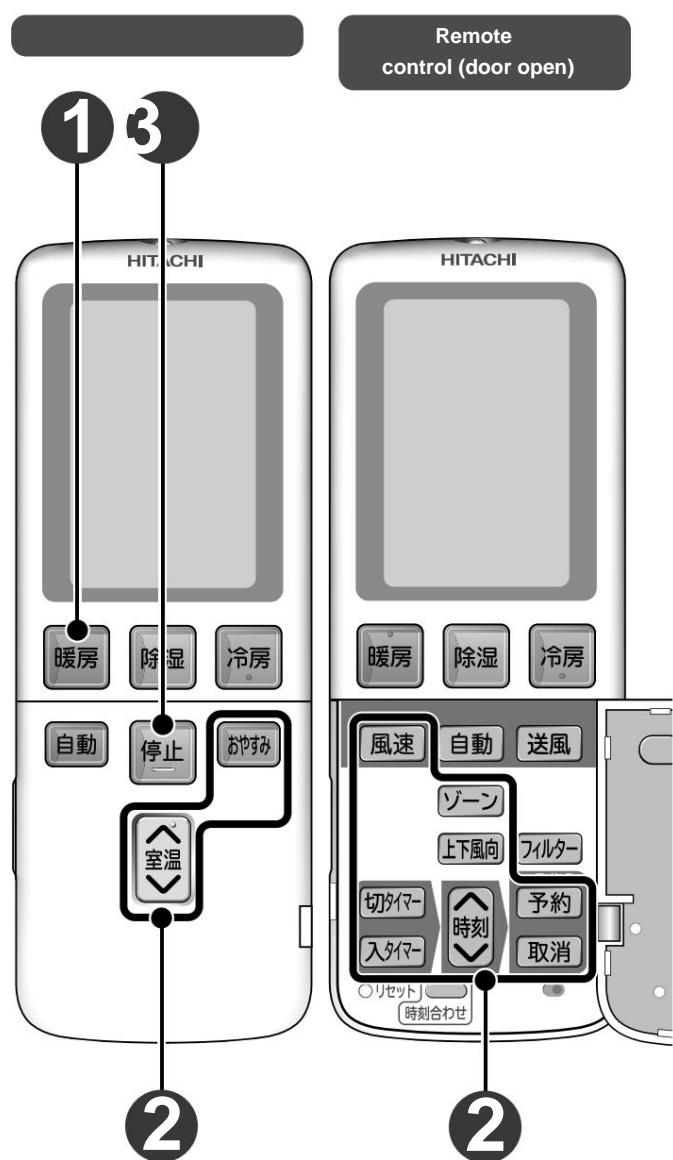
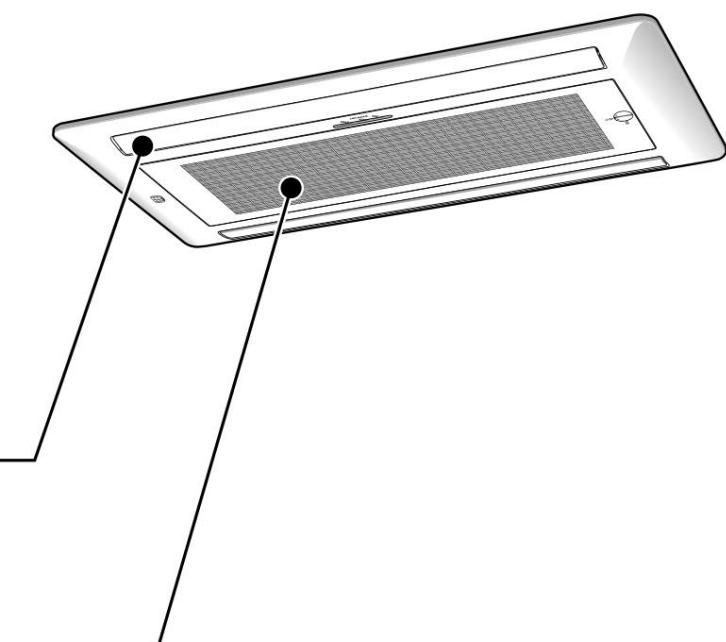
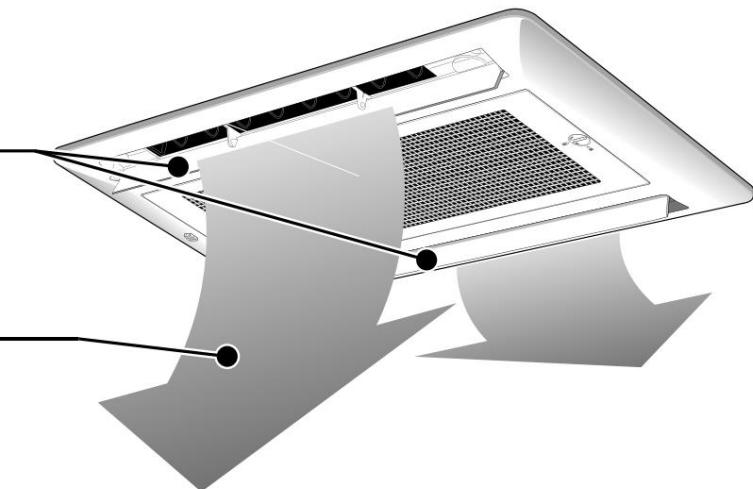
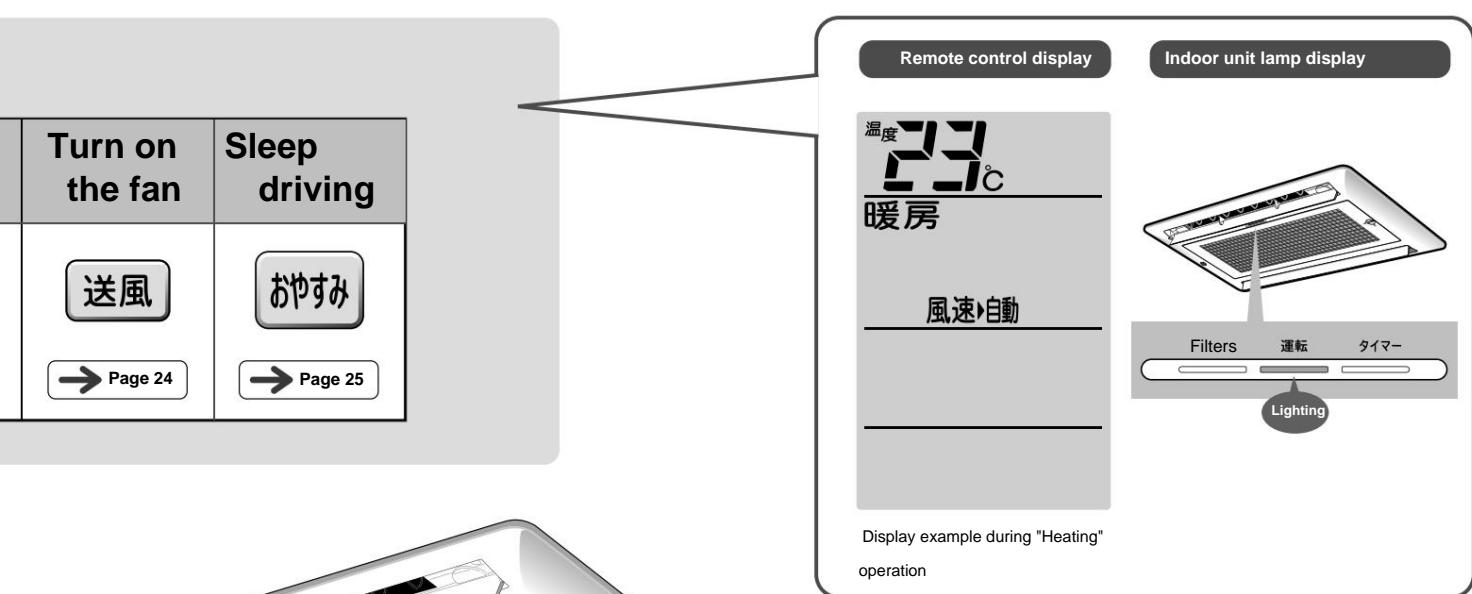
\*The set temperature may not be reached depending on the number of people in the room, room conditions, and outside temperature.

## What happens when you stop driving

Operation will stop  
(timer settings will be maintained)

The upper and lower air deflectors close automatically

Auto fresh defrosting is performed depending on the operating conditions.



## Heating (raising room temperature)

**1 Operation Press**

A beep will sound, operation will start, and the details of operation will be displayed.

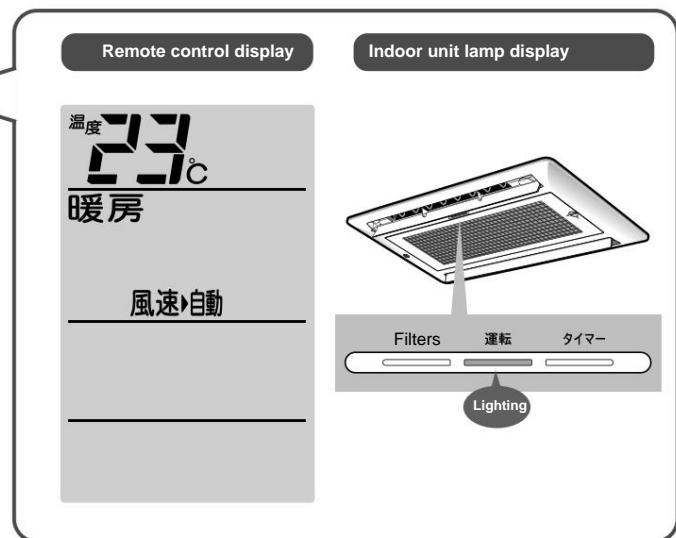
Displays the

**2** The temperature adjustment  Adjustment range: 16~32°C

**3 Setting various functions**  → Pages 25 to 33

To stop operation, press 

• A beep will sound and operation will stop.



### Tips for operating the heating mode

- The "Operation" lamp may go "on/dim" and no air may come out. When this happens, the unit is in the "preheating" or "defrosting" mode.

(This is not a malfunction.)

Type of driving	Operation details
Preheating operation	This operation warms up the indoor unit's heat exchanger, and lasts for 2 to 3 minutes immediately after operation starts.
Defrosting operation	This operation removes frost from the heat exchanger of the outdoor unit, and the heating operation is temporarily suspended during operation (for 5 to 10 minutes, maximum 20 minutes).
Auto fresh defrosting operation	If there is frost on the heat exchanger of the outdoor unit when operation is stopped, a defrosting operation will be performed.

Use the unit at outside temperatures between -15°C and 21°C. To protect the unit, it may not operate below -15°C or above 24°C.

We recommend that you set the fan speed to "Automatic." The fan speed changes according to how warm the room is, so the wind doesn't feel as cold.

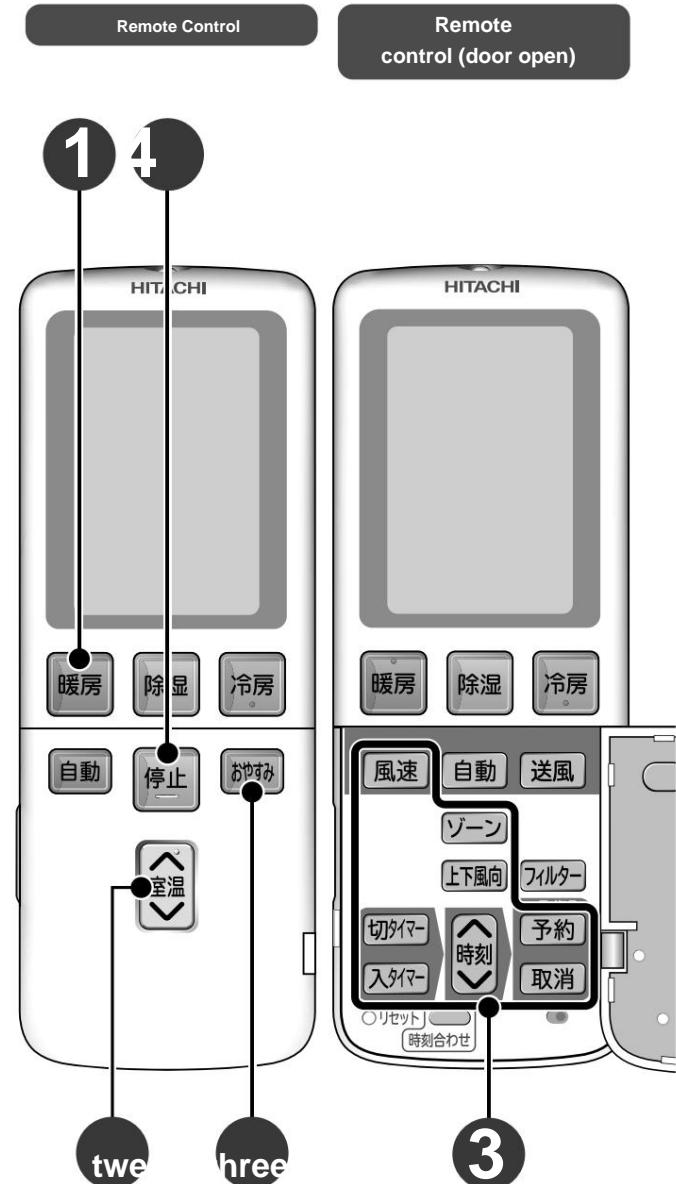
→ Page 29

• The air conditioner heating function warms the entire room, so it takes some time before you feel warm. We recommend operating the unit with the "On Timer" setting.

→ P.30-33

• Because the heater absorbs heat from the outside air to heat the room, the heating capacity will decrease as the outside temperature drops. In this case, the inverter will increase the compressor speed to prevent the heating capacity from decreasing, but if the heater still does not heat up properly, please use another heating appliance.

• If the temperature of the air being blown out drops depending on the operating conditions, the air speed may be reduced to prevent cold air from being blown out.



**How to drive****Cooling (lowering room temperature)****1 Operation Press**

A beep will sound, operation will start, and the details of operation will be displayed.

Displays the

**2 Temperature adjustment**

Adjustment  
range: 16°C~32°C

**3 Setting various functions**

→ Pages 25 to 33

**4**

The suspension of operation Press

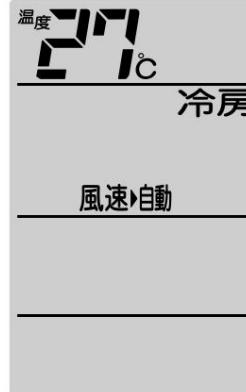
•A beep will sound and operation will stop.

### Tips for operating the cooling unit

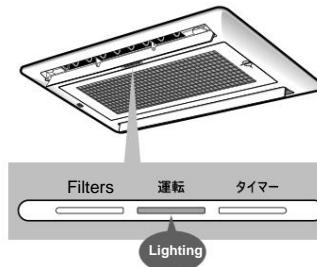
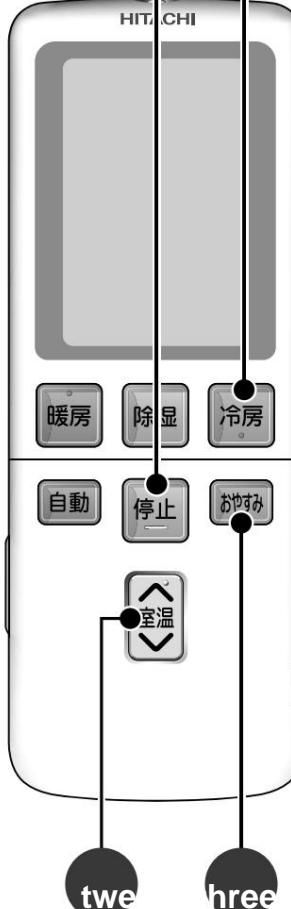


- Please use with indoor humidity of "80% or less" and outdoor temperature of "22°C to 43°C". If the unit is operated for a long time with indoor humidity exceeding 80%, dew may form around the air outlet and on the upper and lower air deflectors and drip. In addition, if the unit is operated continuously with outdoor temperature exceeding 43°C, the protective device may be activated and operation may stop.
- Do not operate the unit in cooling mode in winter as it may cause a breakdown. please.
- If there is a heat source in the room that exceeds the cooling capacity (many people present, heating appliances being used) the set temperature may not be reached.
- If the temperature of the air being blown out increases depending on the operating conditions, the air speed may be reduced to lower the temperature of the air being blown out.

Remote control display



Indoor unit lamp display

**4**

## Dehumidification (reducing humidity) operation

1

**Press**

A beep will sound, operation will start, and the details of operation will be displayed.

Displays the

2

The temperature adjustment



Adjustment

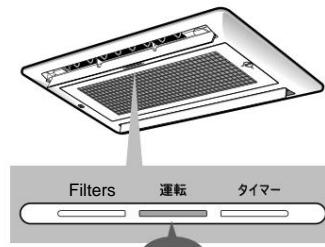
range: 16~32

Remote control dis

Indoor unit lamp disp

温度  
24°C  
除湿

風速・自動



3

Setting various functions

→ Pages 25 to 33

4

The suspension of operation

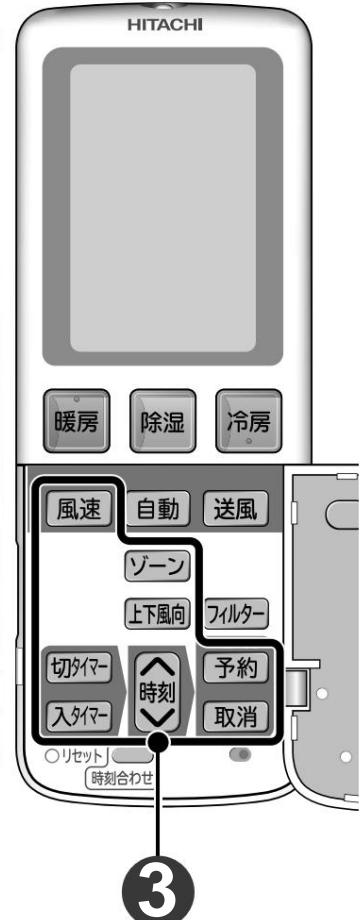
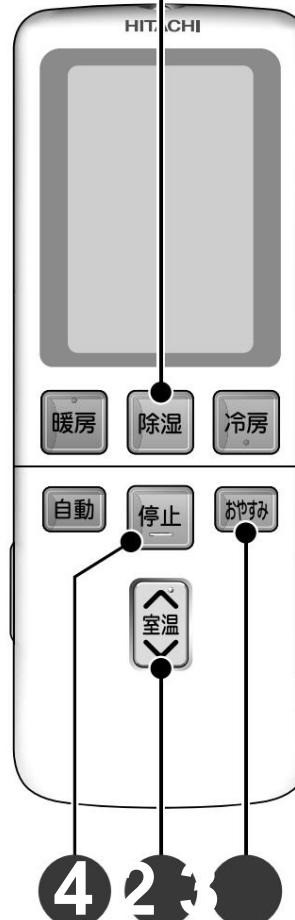
**Press**

- A beep will sound and operation will stop.

Remote Control

Remote control (door open)

1



4

2

3

### Tips for "Dehumidification" Operation



•Please use with indoor humidity of 80% or less and outdoor temperature of 22~43. If

the unit is operated for a long time with indoor humidity exceeding 80%, dew may form around the air outlet and on the upper and lower air deflectors and drip. Also,

if the unit is operated continuously with outdoor temperature exceeding 43, the protective device may be activated and the unit may stop operation.

•Dehumidification is performed with a target temperature slightly lower than the room temperature setting (however, when the setting is 16°C, the temperature is 16°C). When the room temperature falls below the target temperature, operation stops, and when it rises above the target temperature, operation resumes.

• You choose between "Auto", "Mild" and "Quiet". • As dehumidification takes priority, the room temperature may not reach the set temperature. Also, when dehumidification is in operation, You can't heat the house.

During dehumidification, the device operates with a weak wind to adjust the humidity in the room.

The indoor fan will stop occasionally due to this.

## Automatic (automatic air conditioning) operation

The unit automatically selects between heating, dehumidification and cooling to achieve the room temperature that is automatically set based on the room temperature and outside temperature.

1

**自動** Press

- A beep will sound and operation will begin.

2 Fine-tuning the temperature



Adjustment

range: Automatic

temperature setting -3° to +3°

3 Setting various functions

→ Pages 25 to 33

4

The suspension of operation



**停止** Press

- A beep will sound and operation will stop.

Remote control display

Indoor unit lamp display

**自動**

風速→自動



Filters 運転 タイマー  
Lighting

### Tips for "Autonomous" Driving



- The type of operation is automatically selected depending on the room temperature.

23°

27°

"Heating" operation    "Dehumidification" operation    "Cooling"

room temperature  
The unit will operate at a set temperature of approximately 23°C.

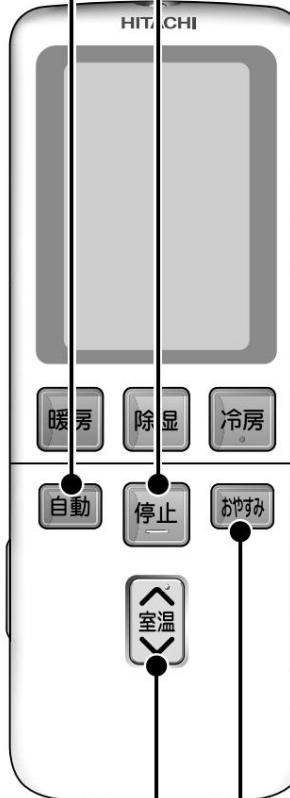
unit will operate at a temperature slightly lower than the current room temperature. The set temperature is approximately 27°C.

\*The type of operation will change depending on the outside temperature. \*If another air conditioner is operating first, the type of operation may be different.

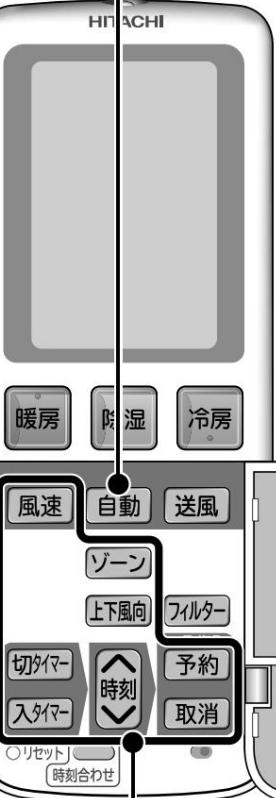
- You can choose from "Auto", "Slow" and "Quiet".

→ Page 29

1 4



1



How to drive

# Fan operation

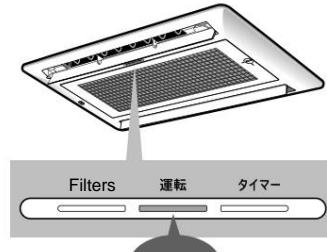
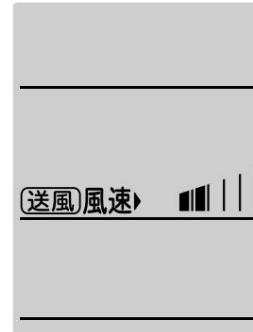
**Note:** The room temperature cannot be adjusted when the fan is in operation. (Cooling, heating, dehumidification, etc. are not possible.)

## 1 送風 Press

- A beep will sound, the operation will start, and the operation details will be displayed.

Remote control dis

Indoor unit lamp disp



## 2 For settings of various functions, see pages 25 to 33.

## 3 The suspension of operation 停止 Press

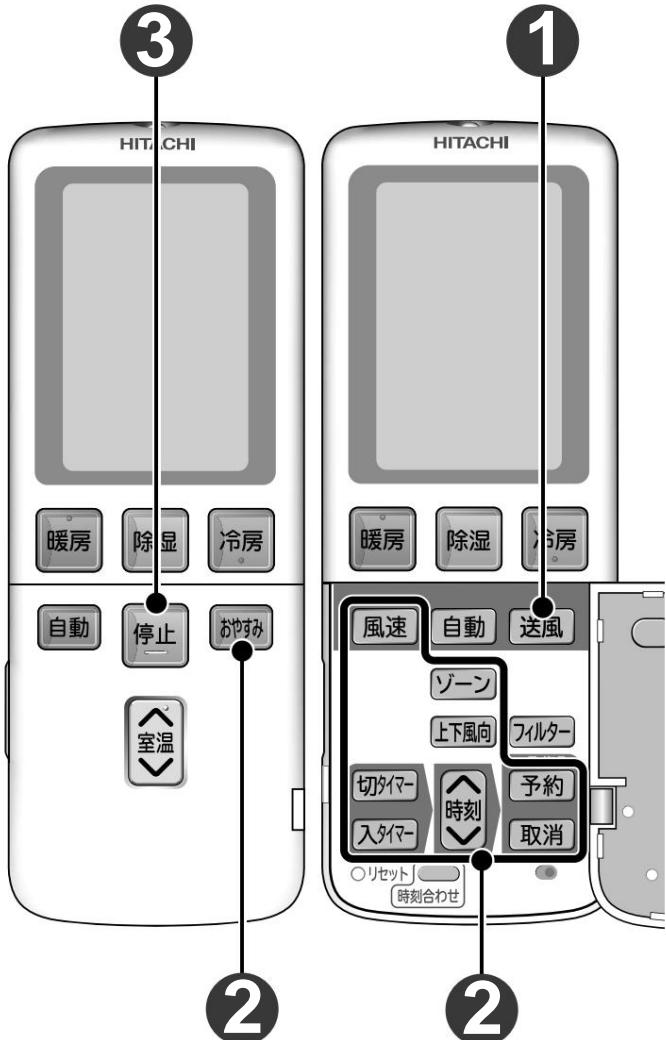
- A beep will sound and operation will stop.

Remote Control

Remote control (door open)

### Tips for operating the "fan" function

- Automatic wind speed cannot be selected.



# Sleep mode function

The set time will be memorized.

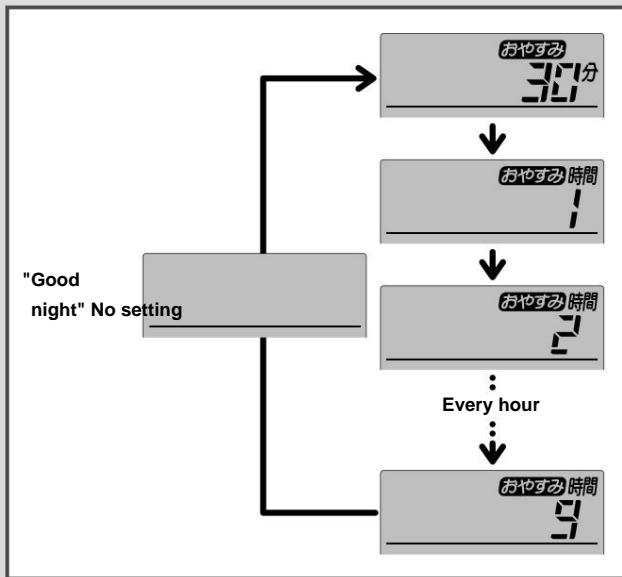
The timer operates at a wind speed suitable for sleeping.

## When you set the sleep mode

Press to set the desired timer time.

### Display

- Each time you press it, it switches. (Press and hold it to fast forward.)



- If you press during operation (heating, cooling, etc.), the unit will enter "sleep" mode from the moment you press it.
- When operation is stopped, pressing will start the "Sleep" operation that was displayed on the stopped remote control.

## Tips for "sleep" driving



- The fan speed will be fixed at "Quiet."
- If the indoor unit does not receive a signal from the remote control when the unit is in sleep mode, the air conditioner will not stop even when the timer expires. Check that the indoor unit is in sleep mode by listening for a receiving sound and listening to the "Timer" lamp.
- The lamp is dimmed during sleep mode. • After about an hour in sleep mode, the upper and lower air deflectors will move automatically and the air direction may change.
- There is.
- The sleep mode setting time is counted down in one-hour increments. After 30 minutes, it is counted down in one-minute increments. • Pressing during sleep mode will cancel sleep mode. • Pressing during sleep mode and stop operation.

### Remote control display

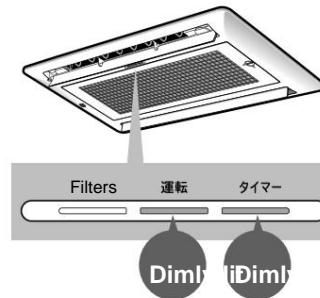
### Indoor unit lamp display

温度 おやすみ時間  
暖房

風速

切替ヤード前 1:38

"Good night"  
operation stop time



Example of display when "Heating" operation is switched to sleep mode for 2 hours at 11:38 pm

If the current time is not set, the operation stop time is  
(It will not be displayed.)

### Remote Control



## Up/down airflow direction setting function \*Please be sure to operate using the remote control. Moving it by hand may cause it to break.

This function allows you to change the direction of the airflow up and down during operation. The airflow direction is automatically set at the time of purchase.

### When changing the wind direction

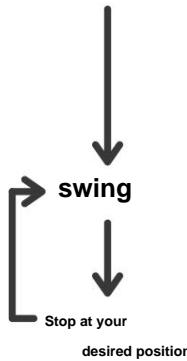
Press while

• It will each time you press .

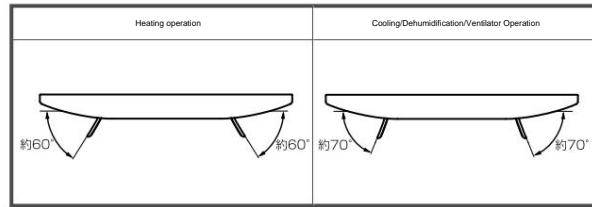
#### Press the button

##### Up and down wind direction details

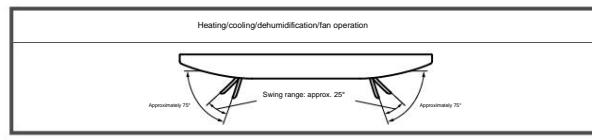
**Auto set or last favorite position**



- In automatic operation, the airflow direction automatically changes to suit the type of operation. • If the room temperature and humidity remain high during cooling or dehumidification operation, the airflow direction may change automatically to prevent condensation from dripping.
- During preheating and defrosting operation in heating mode, the airflow direction is automatically adjusted upwards to reduce the feeling of cold air.



- If you stop operation during swing operation and then start operation again, swing operation will continue.



- When the fan reaches the desired position during the up and down swing, press to stop it. • If you stop the fan when it is set to the desired position and then start the fan again, it will be set to the desired position. • If you switch the type of operation, the fan direction will automatically be set to the appropriate type of operation.

### When returning from the "Preferred" position or "Swing Operation" to the "Auto Set" position

• Stop operation once, switch to another operation type, operate it, and stop it. When you return to the desired operation type and start operation again, it will return to the automatic set position. • If you are in swing

operation, press to stop swing operation, then stop once, switch to another operation type, operate it, and stop it. When you return to the desired operation type and start operation again, it will return to the automatic set position.

Remote  
control (door open)

### Tips on "Up/Down Airflow Setting"



• Even if you set the up and down swing, it will not swing in the following cases.

Type of driving	The reason it doesn't swing up and down is
	<ul style="list-style-type: none"> <li>• During preheating or defrosting operation</li> <li>• When the set temperature is reached</li> </ul>
	<ul style="list-style-type: none"> <li>• When the temperature drops below the set temperature.</li> <li>• When the room temperature and humidity remain high for a long period of time.</li> </ul>



**Note**  
During cooling or dehumidifying operation, do not operate the unit in the vertical swing mode or with the vertical air deflectors facing upwards for long periods of time. If you operate the unit in this manner for long periods of time, condensation may form on the vertical air deflectors and, in some cases, the condensation may fall and cause your belongings to get wet.

• If the upper and lower air direction vanes are in a position different from the automatically set position, the "set temperature" may not be reached.



# Setting left/right wind direction

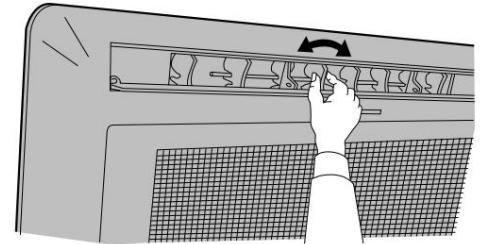
## When changing the wind direction

### Stop driving and operate by hand

As shown in the figure, hold the left and right air vanes to adjust the air direction to the left and right. (However, the outer left and right air vanes do not move.)



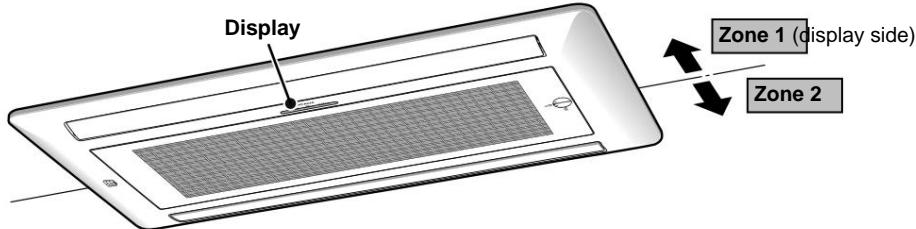
**Note**  
Be sure to check that the operation has stopped and the fan has stopped before proceeding, as this may result in injury or damage to the unit.



# Zone setting function

What is zone operation? Use this when you want to mainly cool the air outlet side of your choice.

The zones are divided into "Zone 1" on the display side and "Zone 2" on the opposite side.



When you select "Zone 1" on the remote control, you can change the fan speed on the display side.

When you select "Zone 2" on the remote control, you can change the fan speed on the opposite side of the display.

## When setting up a zone

### Press while driving

- Each time you press , the mode changes. • A beep will



sound and the operation details will be displayed.

Shows:

- For the specified "zone", you can select from fast, strong, weak, gentle, quiet, or automatic with the fan speed change button. The fan speed for the opposite "zone" is fixed at gentle. (If the specified zone is set to gentle, it will be silent.) When the fan speed is automatic, the specified "zone" will also be set to gentle. It may be windy and calm.

When you cancel the zone, both will be displayed on the remote control.

The wind speed will be as shown in the figure. The capacity will be reduced while the zone is being set.

Designated Zone	Undesignated Zone
Rapid	
Strong	
Wind Weak	Light breeze
Wind Light	
Wind Automatic	
Quiet	Quiet

Remote control (door open)



# Wind speed switching function

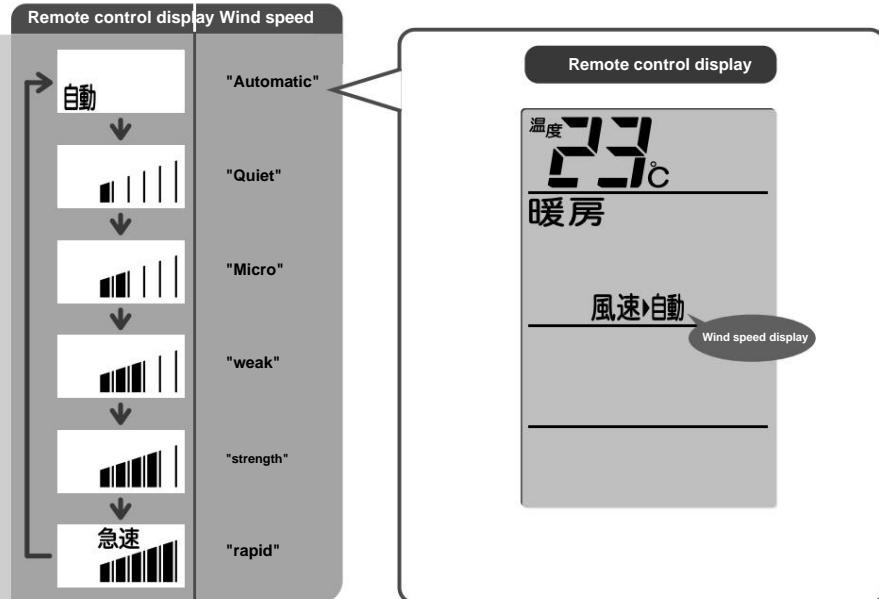
\*The settings will be memorized.

This function changes the wind speed during operation.

## When changing the air speed

### Press while 風速

- Each time the button is pressed, a beep will sound and the setting will change. • When the fan speed is set to "Auto", a beep will sound as the standard setting. • When operating stopped, you can press to preset the fan speed at the start of operation. The fan speed display will disappear after about 10 seconds unless operation is started.



## Tips for changing the wind speed



### About automatic wind speed

Type of driving	Automatic Wind Speed
暖房	The fan speed changes automatically depending on the temperature of the air being blown out, and when the set temperature is reached, the fan speed becomes weaker.
除湿	When the current room temperature is higher than the set temperature, a gentle breeze will be emitted. It becomes "quiet".
冷房	When there is a large difference between the set temperature and the current room temperature, the set temperature is reached with strong airflow. This will result in a weaker wind.
自動	•The fan speed will be set to match the automatic operation. •We recommend that you set the fan speed to "Auto" when in automatic operation. If the fan noise bothers you, set it to "Soft" or "Quiet."

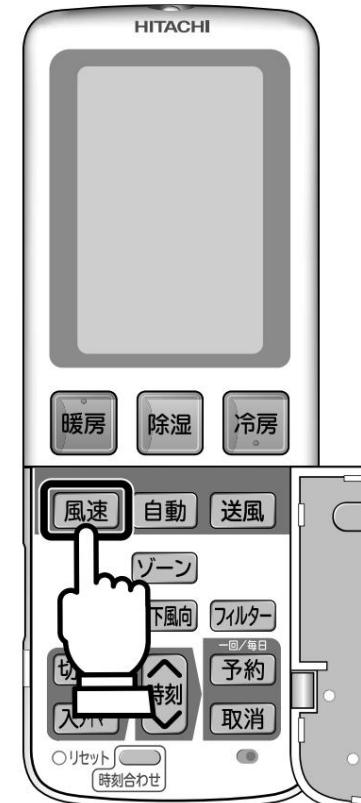
•If the difference between the set temperature and the room temperature continues to be large while the fan speed is set to "Rapid", the fan speed may be increased above the set value to prioritize bringing the room temperature closer to the set temperature. In this case, the unit will operate with maximum cooling and heating capacity.

•When the fan speed is set to "Rapid", the fan noise will be louder as priority is given to cooling and heating capacity. If the fan noise bothers you, press to set the fan speed (風速) or your preferred fan speed.

Sai.

If the air feels cold when the heating fan speed is set to "Rapid" or "Strong" or if you want quieter operation after the room has warmed up, we recommend using the fan speed setting of "Auto."

### Remote control (door open)



# Timer reservation function

The set time will be saved.

"Off timer" to stop operation at a set time, "On timer" to start operation at a set time,  
You can reserve either the "On Timer" or "Off Timer" combination.

## How to set a timer

### To reserve the "Off Timer"

- The "Off Timer" is  
At the set time  
Stop the operation.



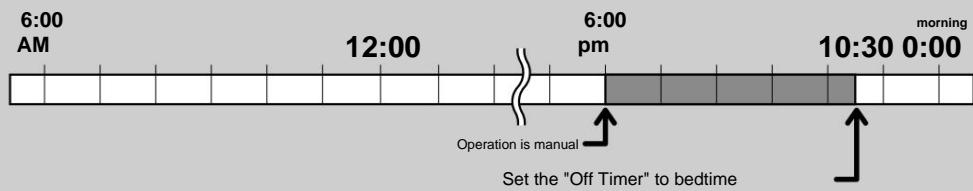
### When reserving the "On Timer"

- The "On Timer" is  
At the set time  
Start driving.

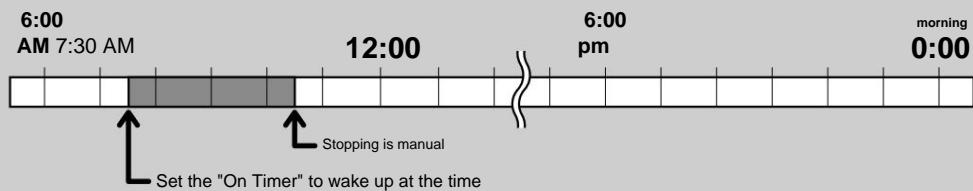


#### Driving example

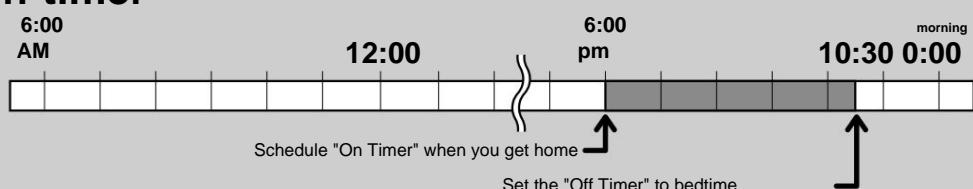
##### • "Off timer"



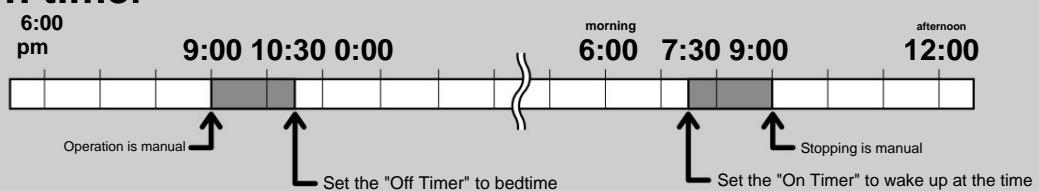
##### • "On timer"



##### • "On timer" + "Off timer"



##### • "Off timer" + "On timer"



## Tips for using timer function



If the indoor unit does not receive the remote control transmission when the timer is set, the air conditioner will not operate even when the timer time comes.

No. Check that the timer is set by listening to the indoor unit's receiving sound and the "TIMER" lamp.

• Even if you schedule the "On Timer" while the unit is operating, the current operation will not be stopped.

# How to set the "Off Timer" and "On Timer"

Example: To set the operation to stop at 10:30 pm and start at 7:30 am

Preparation: Be sure to check the current time → Page 15

**1**

**切タイマ-** Press to turn off the timer and time display



**2**

Press ↑  
時刻 ← Press  
↓ ← return Forward to change the time

Set up

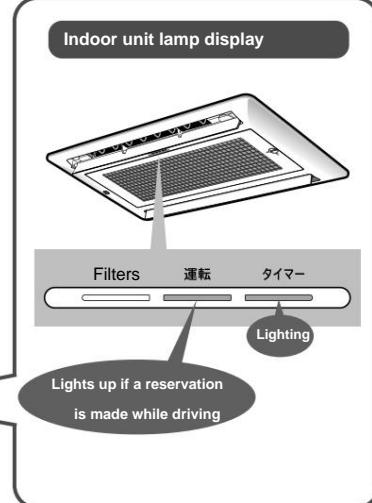
**3**

Point the remote control at the indoor unit.

一回/毎日

**予約** Press

- A beep will sound, the OFF TIMER display will turn ON, and the "TIMER" lamp display will light up. • If you want to change the "OFF TIMER" time, return to again.



Remote control (door open)

**4**

**入タイマ-** Press to turn on the timer and time display



**5**

Press ↑  
時刻 ← move on  
↓ ← return Press to set the time

Set up



**6**

Point the remote control at the indoor unit and press

一回/毎日

**予約** unit and press

- A beep will sound, the ON TIMER display will turn ON, and the "TIMER" lamp display will turn ON. • If you want to change the "ON TIMER" time, return to again. 4

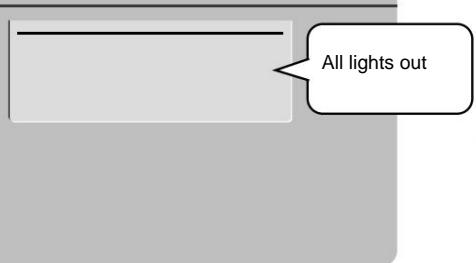


**7**

To cancel a reservation, press

**取消**

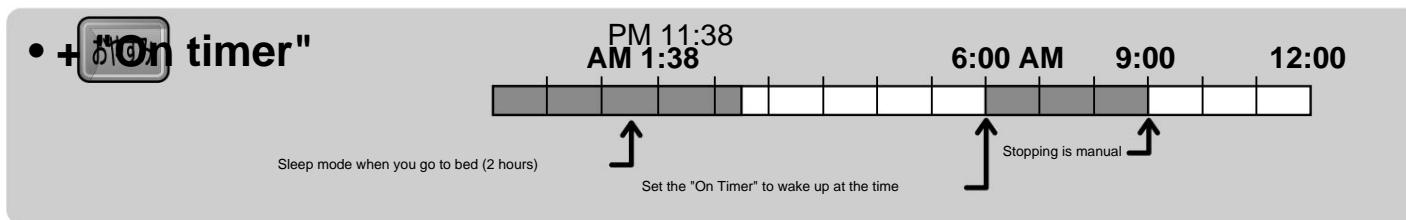
- A beep will sound, the timer display will turn off, and the TIMER lamp will turn off.



# Timer reservation operation function (continued)

The "Sleep" and "On Timer" modes can be set simultaneously.

Operation example (Set heating operation to "Sleep 2 hours" at 11:38 pm, and heating "On timer" to 6:00 am the next morning)



## 1. Reserve the "On Timer" in advance

**1**

Press during

**入タイマー** heating operation to display the on timer and time.

**2**



Press Forward to set the time

**3**

Point the remote control at the indoor unit and press

- A beep will sound, the on timer display will turn on, and the TIMER lamp display will light up.

Remote control display



## 2 Press 4 to schedule a sleep

**休眠**

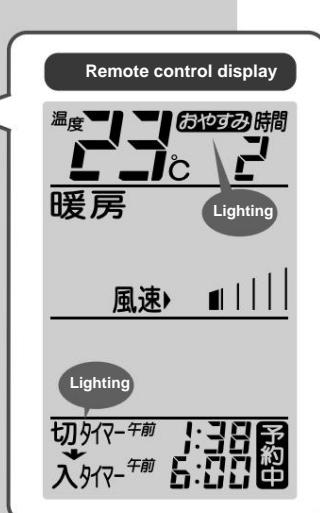
session next and set the timer for 2 hours.

**Set**

- Operation will stop 2 hours later at 1:38 AM and start again at 6:00 AM.
- Sleep timer Set the operation time to occur before the "On timer" time.

Remote Control

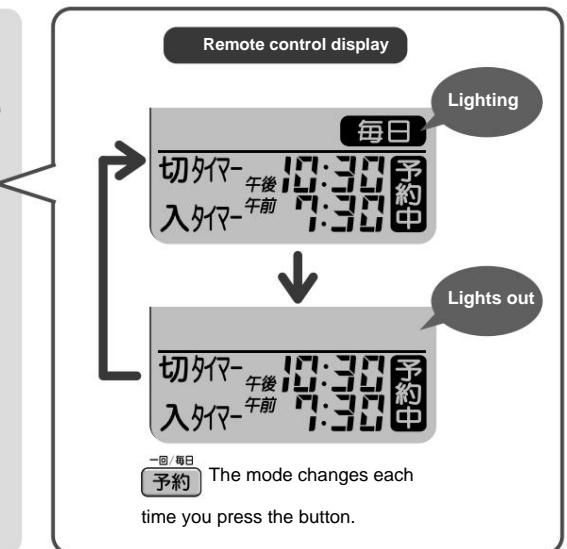
Remote control (door open)



## Tips for using the timer

### >About the daily reservation function

- If you press the button again after programming the "Off Timer", "On Timer" or a combination of the "Off Timer" and "On Timer", the **daily** program will be set.  
can be done.
- If you set a daily reservation, the "On Timer" and "Off Timer" will be set to the same time every day, which is convenient.



## Emergency operation function

If the remote control is broken or the batteries are dead, you can operate it as a temporary measure.

### When operating the air conditioner

#### Press the emergency operation switch while the air conditioner is stopped

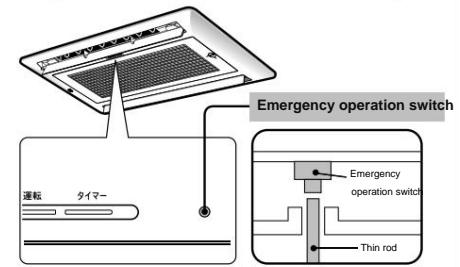
- Please press it with a thin rod-shaped object other than metal. • The machine will operate in an appropriate manner (automatic operation) based on the room temperature and outdoor Masu.  temperatuue.

### When stopping the air conditioner

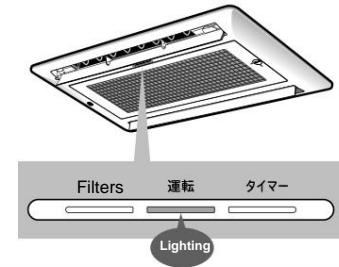
#### Press the emergency operation switch

- When the emergency operation switch is pressed while the air conditioner is operating, the air conditioner Stop.

#### Emergency operation switch position



#### Indoor unit lamp display



# Precautions when cleaning



## caveat

•Do not clean the inside of the indoor unit yourself or spray deodorants Cleaning an air conditioner requires specialized skills, so consult with the store where you purchased it. Using commercially available cleaning agents or deodorants may cause cracks in plastic parts, deterioration of internal parts, and clogging of drainage paths, and may also cause water leaks, electric shock, etc. In addition, if cleaning agents or deodorants come into contact with electrical equipment or motors, it may cause electric shock or fire.



## Note

•Before maintenance, stop operation using the remote control and turn the dedicated breaker to "OFF." •Do not pour water on the unit . This may result in electric shock. •Do not perform maintenance on an unstable stand . This may result in injury due to falling. •Wear gloves when performing maintenance . If you do not wear gloves, you may touch the internal parts and get injured.

### Note

Do not use benzine, thinner, or polishing powder on either the indoor or outdoor unit as they will damage the painted surfaces and plastic parts.  
•Do not use hot water above 40°C for both the indoor and outdoor units. This may cause the filter to shrink and plastic parts to deform.

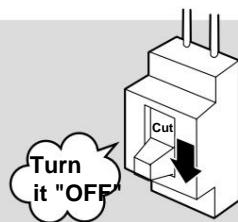
## Decorative panels and upper and lower air deflectors

Please clean it if you notice any dirt.

### Preparation

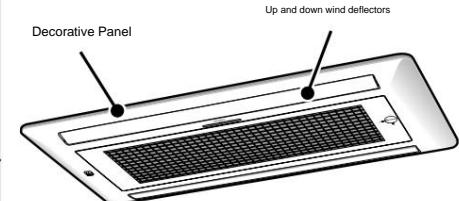
Stop operation and turn on the dedicated breaker.

**Turn it "OFF"**



**Wipe off dirt with a soft cloth.**

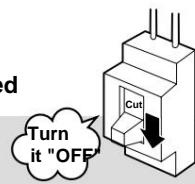
- Always open the upper and lower air deflectors slowly using both hands.
- When using a chemically treated cloth, follow the instructions that come with it.



**Caution:** Do not wash the decorative panel or upper and lower air deflectors with water. This may cause malfunctions. Wipe the decorative panel and upper and lower air deflectors with a soft cloth . Wiping with a hard cloth may cause damage .

# Air Filter

Clean the air filter once every 1.5 months. This will also help save on electricity bills. (If you hear a rustling noise during operation, clean the air filter.) Stop the operation and turn off the dedicated breaker.



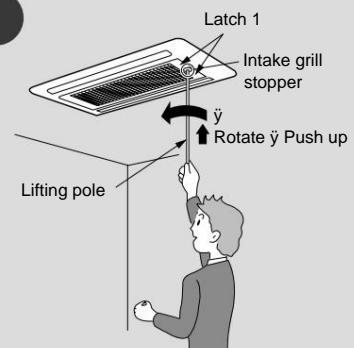
## Removing and installing the intake grille and air filter

### 1 Open the intake grill

Insert the lifting pole into the groove of the intake grill stopper, rotate it about 90 degrees as shown in the right figure, and push it up to release latch 1 (2 places). The oil damper then slowly opens the grille to its front (about 60 degrees).

( If you push it up from an oblique direction, it may be difficult to release latch 1.  
Be sure to push it up from directly below. (The lifting pole is → Page 5 )

included with the decorative panel.)

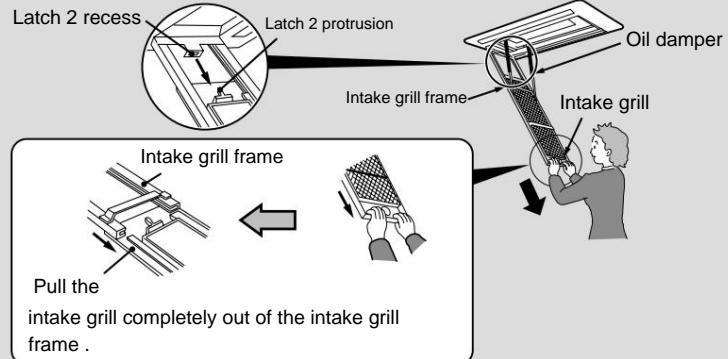


### Note

•When the intake grille starts to open, it may suddenly open up to about 20° while the lifting pole is still inserted into the knob and supporting the intake grille. Please be especially careful when opening it by hand due to loss of the lifting pole, etc. •Do not force the intake grille open by hand until it is completely open. Forcing it open may damage the panel body.

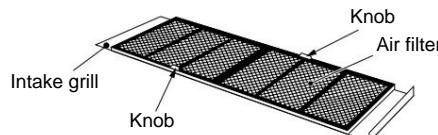
### 2. Remove the intake grille

Hold the end of the intake grill as shown in the figure, and pull it out in the direction of the arrow. The intake grill is secured in place by latch 2, so pull firmly at first. Be sure to pull the intake grill completely out of the intake grill frame.



### 3. Remove the air filter and remove dust with a vacuum cleaner.

- 1 Remove the air filter from the intake grille that you pulled out. (Push the knob inwards and lift it up.)



- 2 Use a vacuum cleaner to remove dust from the intake grille and air filter.

The intake grill can be washed with water. Use a soft sponge to clean it, and if you have used a neutral detergent, rinse it thoroughly with water.

When using a chemically treated cloth, follow the instructions that come with it. If the air filter is very dirty and cannot be removed with a vacuum cleaner, wash it with a neutral detergent, rinse thoroughly, and dry thoroughly in the shade indoors.

#### Caution : Do not press the air filter too hard or use a scrubbing pad or brush.

When cleaning, use a sponge or similar object and do not use excessive force, as this may cause the air filter to tear. •Do not expose the air filter to direct sunlight . Exposing the air filter to direct sunlight may cause it to deteriorate and tear.

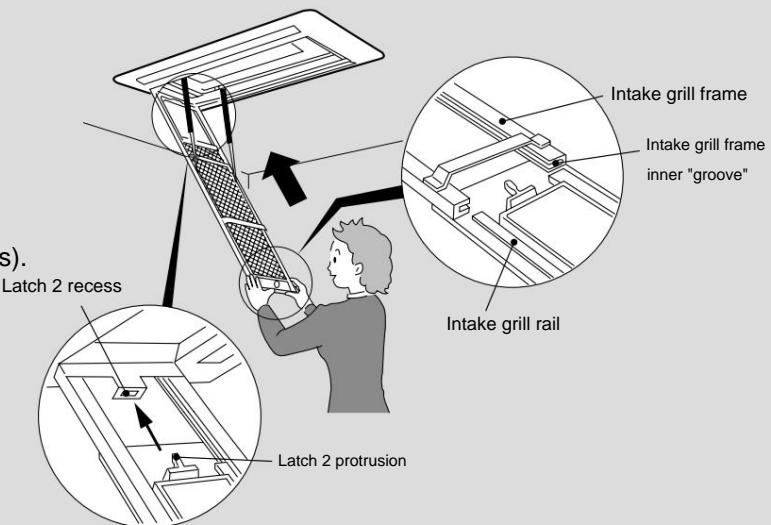
## 4. Install the air filter

- First, insert the tab on the opposite side of the knob into the rectangular hole (the longer side) of the intake grille, then push the knob in. (The side of the knob with the "groove" is the top.)

## 5. Install the intake grille

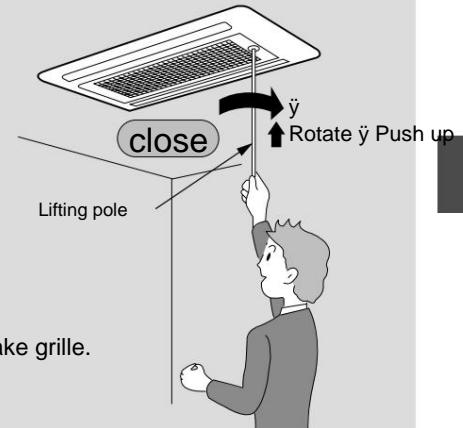
Insert the intake grille rails into the grooves on the inside of the intake grille frame and push them along the grille frame.

Push the intake grille all the way in (until it is inserted into the intake grille latch 2 recess).



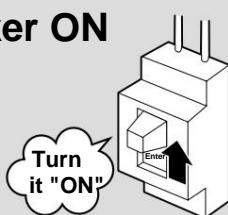
## 6 Close the intake grille

- Insert the lifting pole into the groove of the intake grille stopper and push up the intake grille from directly below. •Make sure that latch 1 (2 places) is fixed, then rotate the stopper about 90 degrees to the right to close the intake grille. \*If you have lost the lifting pole, insert a coin or similar object into the groove of the stopper and rotate it to open or close. Pushing up the stopper will release latch 1, allowing you to open and close the intake grille.



## 7 Turn the dedicated breaker ON To

The upper and lower air deflectors close automatically  
It works.



### Note

**Keep the lifting pole out of reach of children.  
do  
Incorrect use may result in injury.  
Masu.**

### Note

- When removing or installing the air filter, take care not to cut your hands or other parts of your body on the fins of the heat exchanger. •Do not operate the unit with the air filter removed.

Dust will get into the gaps in the heat exchanger and into the mechanism, causing it to malfunction.

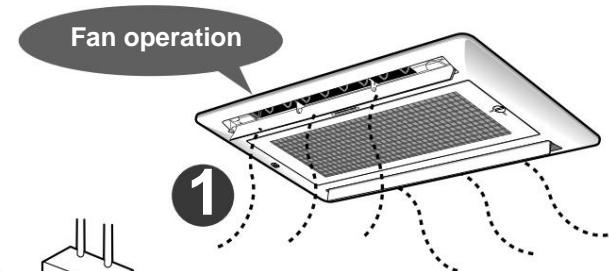
# When not using the product for a long period of time (one month or more)

Please follow the steps below to maintain it.

## 1 送風 Press and run for about half a day

to dry out the inside of the indoor unit.

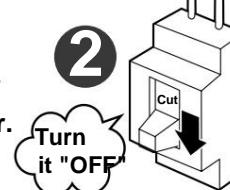
If the inside of the case is left wet for a long period of time, it may  
This makes it more likely for stains to occur.



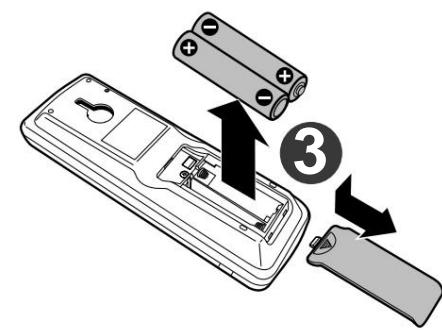
1

## 2 Stop operation and turn on the dedicated breaker. Turn it "OFF"

2 Turn it "OFF"



## 3 Remove the batteries from the remote control



3

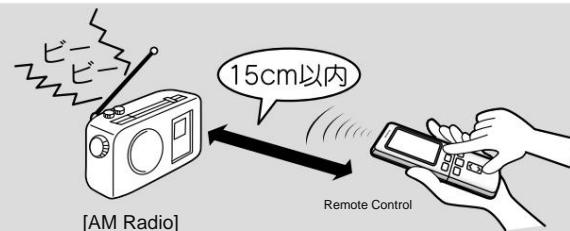
## Checking the remote control

- If you cannot operate the air conditioner with the remote control attached to the wall, check whether you can operate the air conditioner with the remote control removed. If you can operate the air conditioner with the remote control removed, the remote control is working properly. Change the installation position of the remote control to a position where you can turn the air conditioner on and off. • If the remote control is not working properly even after replacing the batteries with new ones, have the remote control inspected. • We recommend that you have it inspected once a year.

### Inspection method

#### AM radio inspection

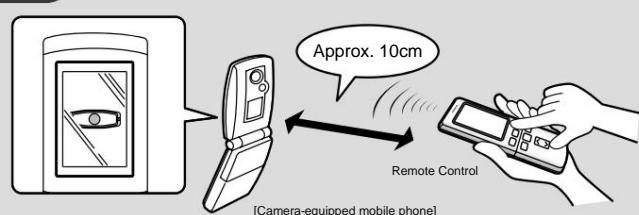
- It is normal if you hear noise (beep sound) when operating the remote control .



#### Inspection using camera-equipped mobile phones and smartphones

- 1 Set the remote control so that the transmitter is visible.
- 2 If the transmitter lights up on the monitor when you operate the remote control, it is working properly.

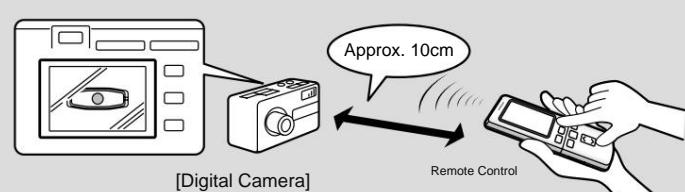
\*Some cameras have difficulty capturing infrared light.



#### Inspection with a digital camera

- 1 Set the remote control so that the transmitter is visible.
- 2 If the transmitter lights up on the monitor when you operate the remote control, it is working properly.

\*Some cameras have difficulty capturing infrared light.

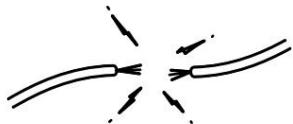


## Periodic Inspection

Please carry out the following inspections periodically, once every six months to one year. If you notice anything suspicious, please contact the store where you purchased the product immediately.

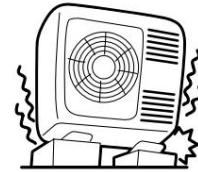
### Ground wire

Is the earthing done properly?



### Installation base

Is the installation unstable?



### caveat

**Check that the earth (ground) is connected correctly.** If the earth wire becomes loose or is cut in the middle, it may cause malfunction or electric shock.



### caveat

**Check that the installation base is not extremely rusted or that the outdoor unit is not tilted.** Otherwise, the outdoor unit may tip over or fall, resulting in injury.

## Inspection and maintenance

After using your air conditioner for several seasons, the inside may become dirty and its performance may decrease.

In addition to regular maintenance, inspection and maintenance We recommend.

•For inspection and maintenance, please consult the store where you purchased the product.



### Note

Dirt and dust can accumulate inside the indoor unit, which is inspected and maintained in addition to regular cleaning, and can clog the drainage path for dehumidified water, causing water to drip from the indoor unit.



### Note

**Inspection and maintenance should be carried out by the dealer where you purchased the product,** as this requires specialized skills. Using commercially available cleaning agents may cause plastic parts to crack or the drainage path to become clogged, resulting in water dripping or electric shock.

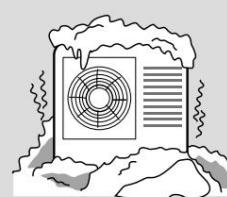


## When there is snow

If the intake or exhaust port of the outdoor unit is blocked by snow, it may become difficult to heat up or may break down.

If you live in an area with heavy snowfall, please take measures to protect the vehicle from snow.

For more information, please consult the store where you purchased the vehicle.



# Installation



## caveat

- Installation and electrical work require specialized skills, so for details such as the cost to have the work

done by the dealer, please consult the dealer where you purchased the product.

- Consult thoroughly with your dealer to decide on the installation location. •

Ensure that the equipment is properly

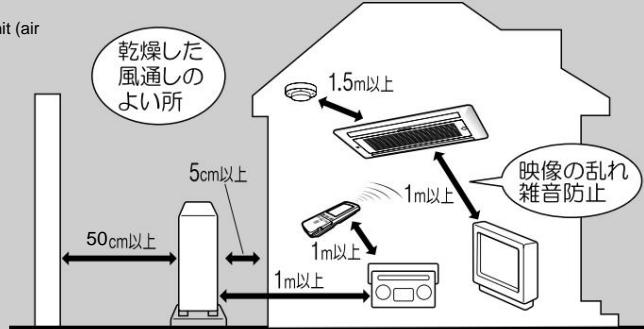
**earthed (grounded)**, which not only prevents electric shock but also helps to prevent static electricity interference and noise.

### Installation location

• Keep the indoor unit and remote control at least 1 m away from television and radio antennas. If reception is weak even when they are more than 1 meter away, move them away until the noise is reduced.

• Please consult with the store where you purchased the product if you plan to use the product in a special environment, such as a beach area where it is exposed to sea breezes or hot spring areas. • Avoid installing the product in places where there is oil splashes or oil smoke, such as kitchens or machine factories, places with frequent voltage fluctuations, such as factories, hospitals or workshops that generate electromagnetic waves, or factories with a lot of powder or dust.

• Please install the indoor unit (air outlet) at least 1.5 m away from the fire alarm.



### Power Supply

• Please use a power circuit that is separated from the distribution board and is dedicated to the air conditioner.

### Be mindful of noise

• When installing the unit, select a location that can adequately withstand the weight of the air conditioner and will not increase noise or vibration. • Select a location where the hot and cold air and noise from the outdoor unit's air outlet will not disturb your neighbors. • Do not place any objects near the outdoor unit's air outlet, as this can cause a decrease in functionality and an increase in noise.

• If you notice any abnormal noises while using the air conditioner, please consult the store where you purchased it.



## Note

• Select a location with good drainage, as dew will drain from the indoor unit drain hose and the outdoor unit drain

outlet (bottom). • Do not use in locations where there is a risk of flammable gas leakage or where steam, oily smoke, etc. are generated.

Doing so may result in fire, explosion, deterioration or damage to the resin. Do not use for special purposes (such as maintaining electronic or precision equipment, preserving food, furs or fine arts and antiques, cultivating or raising organisms, etc.).

Room air conditioners are manufactured in accordance with the Japanese Industrial Standard (JIS C9612) for use in ordinary households.

### About Earth



## caveat

• To prevent electric shock in the unlikely event of a power leak, be sure to properly ground the product in accordance with the "Technical Standards for Electrical Equipment." In addition to preventing electric shock, grounding the product also prevents static electricity that can be felt when touching it, and prevents noise from being heard on televisions and radios when using the remote control. For more information, consult the store where you purchased the product.

Do not connect the earth wire to the following locations:

1. Gas pipes: Risk of fire or explosion.
2. Lightning rods and telephone earth wires: Risk of large currents flowing during lightning strikes.
3. Water pipes: PVC pipes do not function as earths.

In addition, metal pipes may be subject to electrochemical corrosion.



## Note

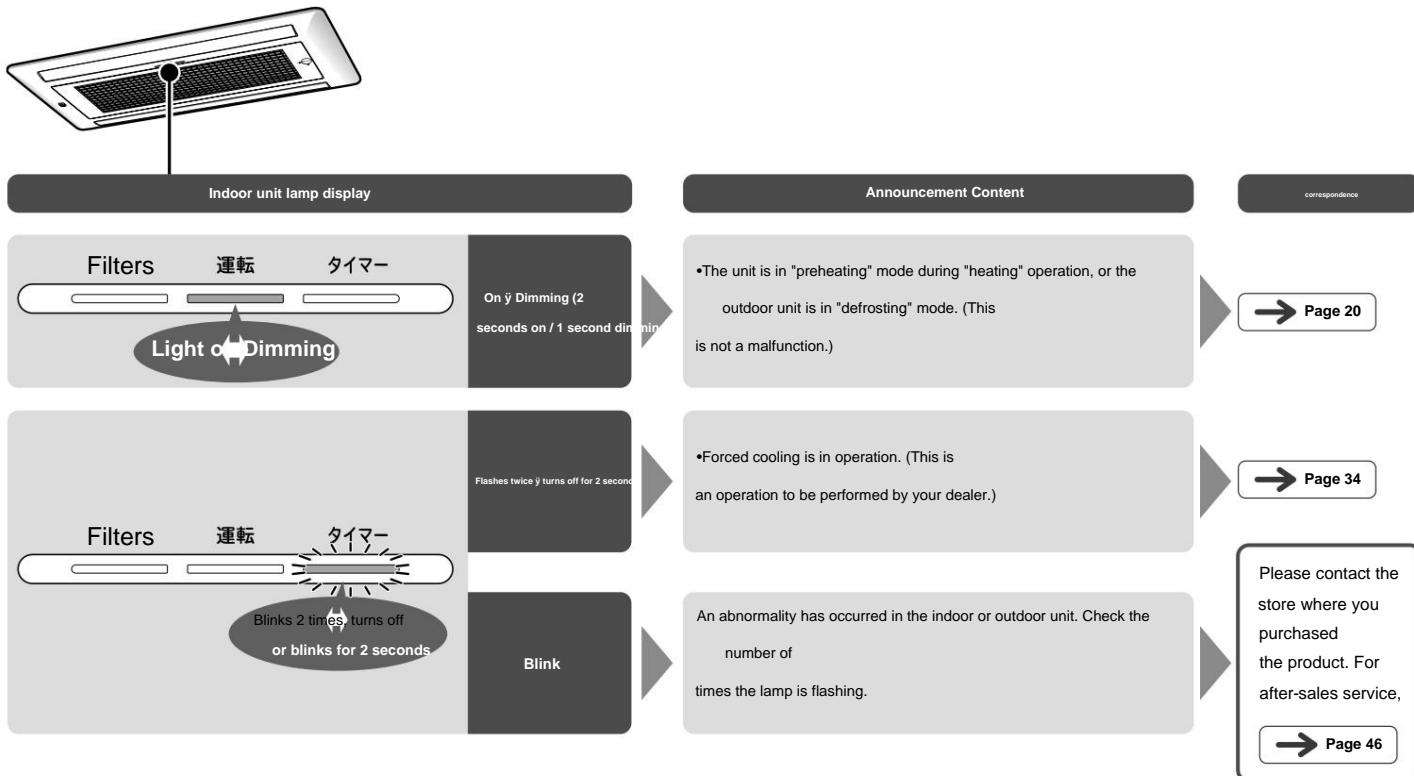
Depending on the **installation**

location, a leakage current breaker may need to be installed in addition to Class D grounding work.

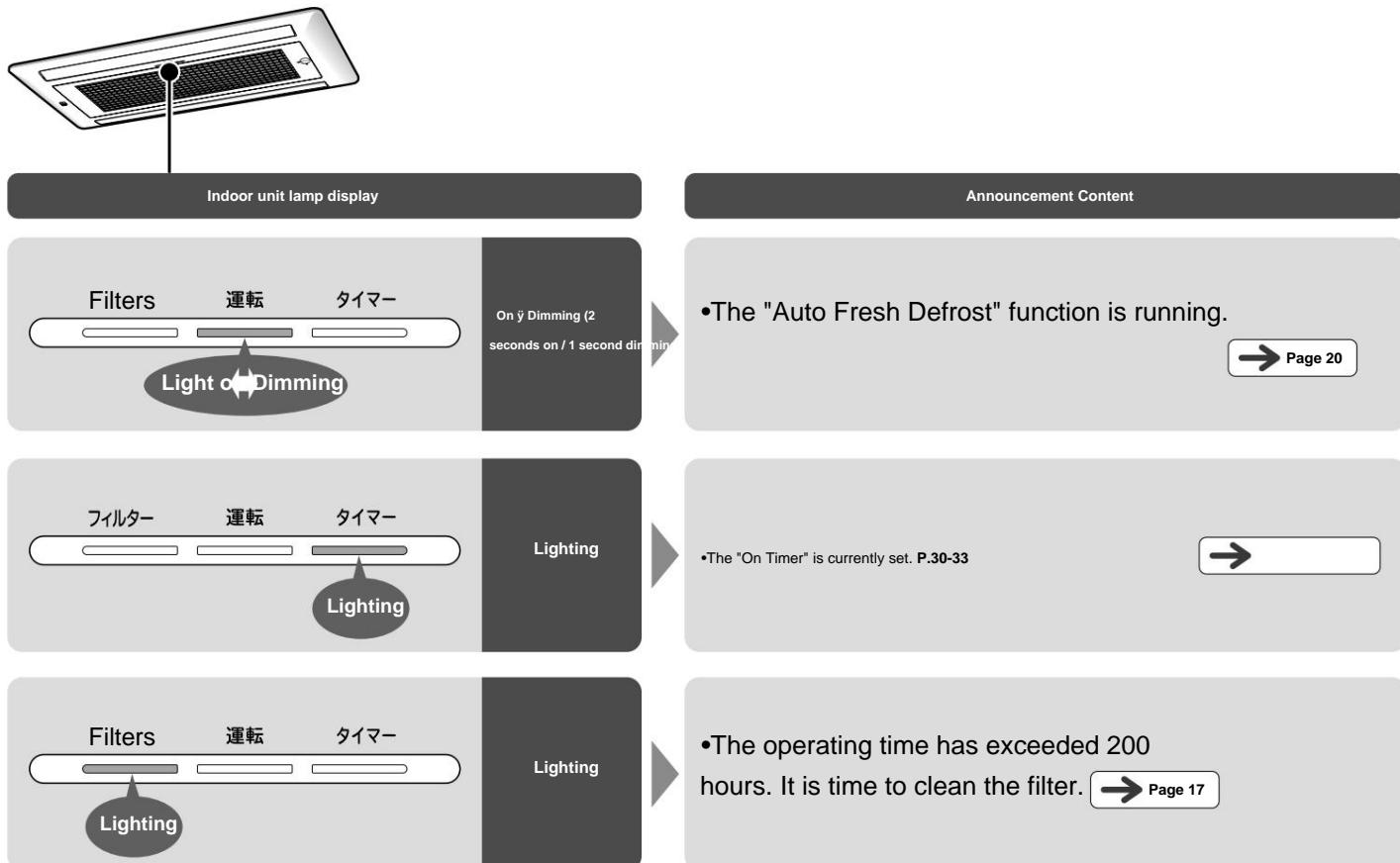
It is required by law to do so. For details, please consult the store where you purchased the product.

# About flashing lights

The blinking lamp indicates the following:

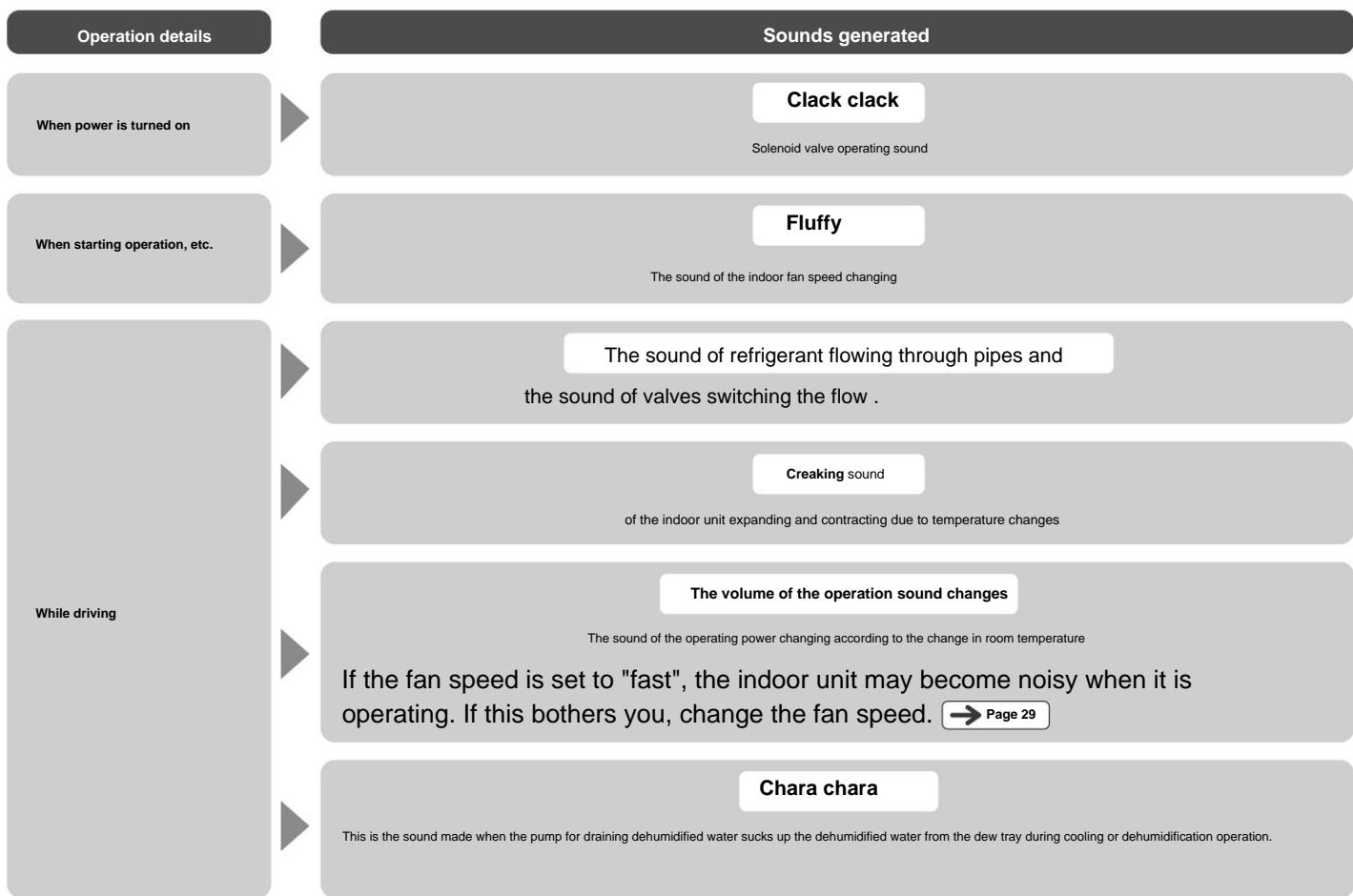


The light remains on even after the machine has stopped operating

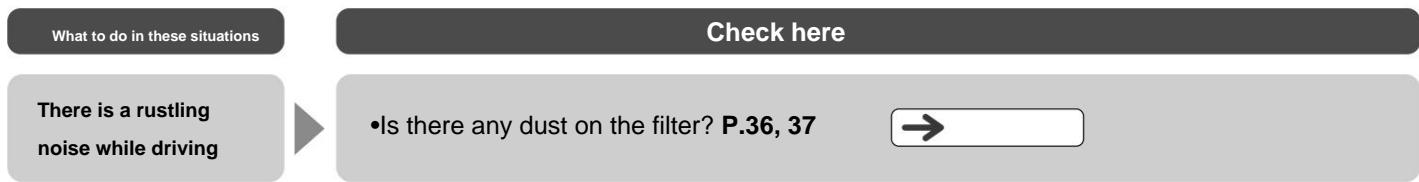


## About the sound

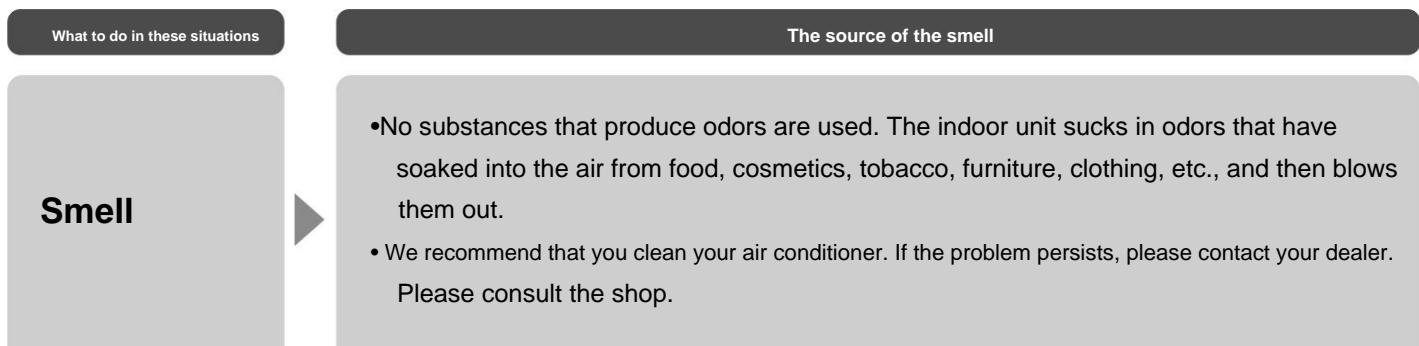
There are various noises that your air conditioner makes when it is operating. The following sounds are produced when your air conditioner is operating normally.



## About the operating noise



## About the smell



# Driving

What to do in these situations

## Check here

### Don't drive

- ▶ • Is there a power outage or has the fuse or breaker been tripped?
- ▶ • Have you changed the operation type? If you change the operation type while the machine is running, the machine may stop operating for approximately 3 minutes to protect it. [→ Page 11](#)
- ▶ • Are the remote control batteries depleted or are the settings reversed? [→ Page 14](#)
- ▶ • Are you trying to operate a combination that cannot be operated simultaneously? [→ Page 4](#)

### Doesn't cool or heat well

- ▶ • Is the "room temperature" setting correct?
- ▶ • Are the air outlets or intakes of the indoor and outdoor units blocked by any obstacles?
- ▶ • Is the fan speed set to "gentle" or "quiet"? When the fan speed is set to "gentle" or "quiet", the cooling and heating capacity will decrease. [→ Page 29](#)
- ▶ • Are the upper and lower air deflectors positioned appropriately for the operation? [→ Page 26](#)
- ▶ • Is the setting set to "Zone"? [→ Page 28](#)
- ▶ • Is there dust accumulated on the air filter? [→ Pages 36 and 37](#)
- ▶ • If multiple units are operated at the same time in midsummer or midwinter, it may take a long time to cool or heat up one room. Drive a certain distance before driving to other rooms.

### The room temperature is not as set on the remote control.

- ▶ • If multiple units are operated at the same time in midsummer or midwinter, it may take a long time to cool or heat up one room. Drive a certain distance before driving to other rooms.

## About the remote control

What to do in these situations

## Check here

### The LCD display is off

- ▶ • If no operation is performed for about 1 minute while the unit is stopped, the LCD display will turn off. Press the button to redisplay the display.

### Don't send

- ▶ • Are you operating the remote control while it is attached to the remote control holder? [→ Page 16](#)
- ▶ • Check that the remote control batteries are exhausted or that the terminals are reversed. [→ Page 14](#)
- ▶ • Check that the remote control can transmit by following the remote control inspection method. [→ P.38](#)

## Fog coming out of the indoor unit

What to do in these situations

**Fog appears**

### Check here

When the air in the room is cooled rapidly by the cold air from the air conditioner and turns into mist

There is.

## The indoor unit is warm when stopped and makes a noise like running water

What to do in these situations

**The indoor unit is warm when stopped**

### Check here

When an air conditioner is operating in another room, a small amount of refrigerant is still flowing through the indoor unit even when it is stopped.

**The indoor unit makes a noise like running water when it is stopped.**

## The outdoor unit fan is still running even when the operation is "stopped"

What to do in these situations

**Even when the operation is "stopped," the outdoor unit fan continues to rotate.**

### Check here

Even when the operation is "stopped," the outdoor unit's fan cools the electrical components.  
It will continue to spin for 10 to 60 seconds.



## Water or steam comes out of the outdoor unit

What to do in these situations

**Steam rising**

### Check here

- This is because the melted water evaporates during the defrosting operation of the outdoor unit.

**Water comes out**

- When heating, condensed water and water from defrosting will flow out of the outdoor unit. In cold regions, this water may freeze, so do not block the drain outlet on the outdoor unit.
- When hanging from a public housing unit, etc., attach a bush and drain pipe to the drain outlet and drain the water.
- When cooling, condensed water may also flow into the pipes, etc.

## Black or red water coming out of the drain hose

What to do in these situations

**Black water coming out of the drain hose**

### Check here

- This is because the deodorizing ingredients contained in the heat exchanger of the indoor unit will flow out temporarily. It will be cleaned with a drainage volume of about 4 to 5 liters. In addition, performance will not change after that.

**Red water coming out of the drain hose**

- Red water is caused by certain bacteria that are generally found in water or soil, and that grow near the drain when the temperature, humidity, and nutrients are appropriate.

It is not something that is discharged from inside the air conditioner. \* The color of the water that changes will vary depending on the type of bacteria and the environmental differences such as temperature and humidity.

# In these cases, go to your dealer immediately.

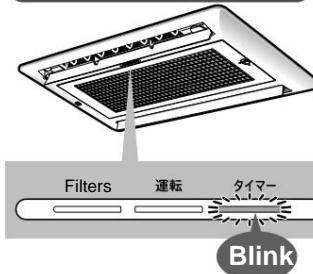
If you have checked the information on pages 41-44 and are still experiencing problems, such as the following:  
If this occurs, turn off the dedicated breaker and immediately contact the store where you purchased the appliance.  
For after-sales service, please see P.46 .

## What to do in these situations

- The dedicated breaker or fuse frequently trips.
- Switch operation is uncertain.
- I accidentally let a foreign object or water into the air conditioner.
- The cord has overheated or the cord insulation is torn.
- The "TIMER" lamp on the indoor unit display is flashing.



## Indoor unit lamp display



## Product labeling based on the Long-Term Use Product Safety Labeling System

### Display content on the unit

\* The following is required by the Electrical Appliance and Material Safety Law to warn that deterioration over time may increase the risk of injury.

This is displayed on the nameplate of the indoor unit.

[Year of manufacture] (The year is displayed in four digits on the indoor unit nameplate.)



\*[Standard design life] 10 years

If you use the product beyond its designed standard lifespan,  
This may result in an accident.

of the risk of fire or injury due to deterioration over time.

### What is the standard design life?

\*Operating time, temperature and humidity, etc. are subject to the standard operating conditions shown on the right.

The product is subject to aging deterioration based on the year of manufacture.

Standard safety standards that can be used without hindrance

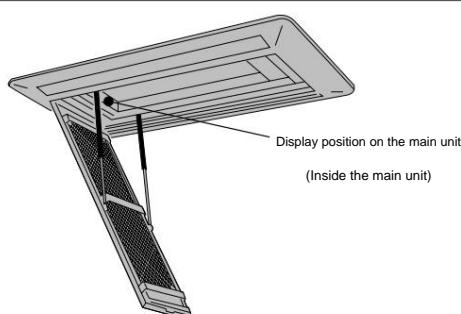
It's a period.

\* The design standard usage period is different from the free warranty period.

In addition, this does not cover general breakdowns.

No, it isn't.

For inquiries regarding long-term use of Hitachi home appliances, please contact Hitachi  
Consult with the Long-Term Use Home Appliances Consultation Center  
please.



### Standard terms of use

JIS C 9921-3 "Standard life span for design of room air conditioners"

According to the "Standard Terms of Use for Setting Up

Environmental conditions	Power supply voltage	Depends on the product's rated voltage
	frequency	50/60Hz 27°C (dry bulb)
	Cooling room temperature	temperature) 47% (wet bulb
	Air-conditioned room humidity	temperature 19°C) 35°C (dry bulb temperature)
	Air conditioning outdoor temperature	40% (wet bulb temperature 24°C)
	Air conditioning outdoor humidity	20°C (dry bulb temperature) 59% (wet bulb
	Heating room temperature	temperature 15°C) 7°C (dry bulb
	Heating room humidity	temperature) 87% (wet bulb temperature
	Heating outdoor temperature	6°C) Standard installation
	Heating outdoor humidity	according to the product's installation
Load Condition	Installation conditions	manual Single-story wooden house, south-facing Japanese style
	Housing	room, living room Room size (number of tatami mats)
	Room size	appropriate for the product's capabilities Tokyo model Cooling: 112 days
Estimated time	Number of days used per year	from June 2nd to September 21st Heating: 169 days from October 28th to April 14th Cooling: 9 hours/day
	Daily usage time	Heating: 7 hours/day Cooling:
	Usage time per year	1,008 hours/year Heating: 1,183 hours/year

If the installation conditions, environment, or frequency of use differ from the above conditions, or

If used for purposes other than its intended use, the lifespan will be shorter than the standard lifespan for which it was designed.

There is a risk of fire, injury, or other accidents due to deterioration over time.

# Warranty and after-sales service (please read)

## ü Warranty card (attached)

- Please make sure to write the date of purchase, the name of the store, etc. on the warranty card.

After checking the contents, please receive it from the dealer, read it carefully, and keep it in a safe place.

The warranty period is one year from the date of purchase.

(However, the refrigeration cycle part is five years.) Please note that even during the warranty period, there may be a charge.

Please read the warranty carefully.

## ü Retention period for repair parts

- Replacement parts for air conditioners will be available for 10 years after production is discontinued. Replacement parts are parts that are necessary to maintain the functionality of the product.

## ü When moving

- If you are moving and will no longer be able to receive after-sales service from the store where you purchased your product, please consult with the store in advance. We will introduce you to a store that sells Hitachi home appliances in your new address.

## ü To apply for re-installation work,

- If you are requesting a dealer to reinstall the product (if you are moving or connecting to a different room), please try to avoid doing so during the summer, which is the busy season for installation work, as installation work tends to be delayed. Installation work also requires specialized skills. For details such as costs, please consult the dealer where you purchased the product.

## ü If you have any questions or would like to inquire about repairs,

- If you have any questions or concerns about repairs, please contact the store where you purchased the product or our customer service center. [Page 47](#)

## ü When requesting repairs (on-site repairs)

- If you check the problem as described on pages 41 to 44 and still find an abnormality, turn the dedicated breaker to "OFF" and contact the store where you purchased the product.

- What to contact us about When you contact us for after-sales service, please contact us with the following information.

Please let us know.

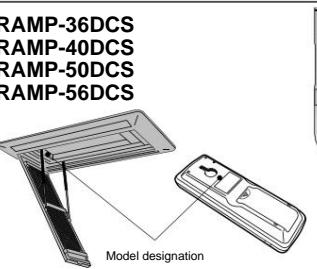
- During the warranty period, please present the warranty card (attached) when requesting repairs. The retailer will carry out repairs in accordance with the terms of the warranty card.

When the warranty period has expired

If the product can be used after repair, we will repair it upon request.

- Repair fee structure

**Repair fee consists of labor fee + parts fee + travel fee etc.**

Product given name	Hitachi room air conditioner	
Type formula	RAMP-36DCS RAMP-40DCS RAMP-50DCS RAMP-56DCS	 Model designation Remote control type (inside door) <b>RAR-5C3</b>
Purchase date	Year Month Day	
Fault status	Be as specific as possible	
Address	Please also let us know any nearby landmarks.	
Name		
telephone number	( ) -	
Preferred date for visit		

\*The model number is also listed on the warranty card.

This is the cost for work such as diagnosis, part replacement, adjustment, and inspection upon completion of repairs. It includes the personnel costs of technicians, technical training costs, facility costs such as measuring equipment, and general administrative costs.

**Parts cost** The cost of the parts used in the repair. Other repair

**travel expenses** The cost of sending a technician to the location of the product.

# Customer Service Center

For inquiries or repairs regarding Hitachi home appliances, please contact the store where you purchased the product.

If you have any questions about moving or repairing a gift item, please contact the office listed below.

## Repair consultation desk

**TEL 0120-3121-68**

From mobile phones and PHS: 0570-0031-68 (charges apply)

**FAX: 0120-3121-87**

(Reception hours) 9:00-19:00 (Monday-Saturday) 9:00-17:30 (Sundays and holidays)

## Contact point for product information and handling inquiries

**TEL 0120-3121-11**

From mobile phones and PHS: 050-3155-1111 (charges apply)

**FAX: 0120-3121-34**

(Reception hours) 9:00-17:30 (Monday-Saturday) 9:00-17:00 (Sundays and public holidays) Closed during the New Year holidays.

You can also request on-site repairs online.

Please go to the URL <http://kadenfan.hitachi.co.jp/afterservice/toiawase.html> or the "Inquiries" page button to proceed to the input **on-site repair**. Please check the products that are eligible for online reception (note) before applying.

Hitachi Appliance Repair  

- For "bring-in repairs" and "purchasing parts," the above service desk will introduce you to the local service center.
- Depending on the content of your consultation or request, we may provide your personal information to our group companies for processing. •We may send a questionnaire postcard regarding after-sales service to customers who request repairs. •The details of the above desk may change without notice.

For inquiries about long-term use of Hitachi home appliances, please contact Hitachi Long-Term Use Home Appliances Consultation Center.

## Hitachi Long-Term Use Home Appliances Consultation Service

**TEL 0120-145-458**

(Reception hours) 9:00-17:30 (Monday-Friday)

We are closed on Saturdays, Sundays, national holidays, and the New Year holidays. You can also call us from your mobile phone or PHS.

- Depending on the content of your inquiry or request, we may provide your personal information to our group companies to handle the matter. •The above contact details may be subject to change without notice.

## Optional parts

Part Name	Model	remarks	Suggested retail price
Antibacterial Air Purifier Filter		One set of SP-KCF2 can be used for approximately 3 months.	1,400 yen (excluding tax)

•Some products may be out of stock or specifications may have changed, so please contact your retailer.

# Attach the optional "air purifying filter" (antibacterial air purifying filter)

**Model: SP-KCF2**

## How to install the antibacterial air purifying filter

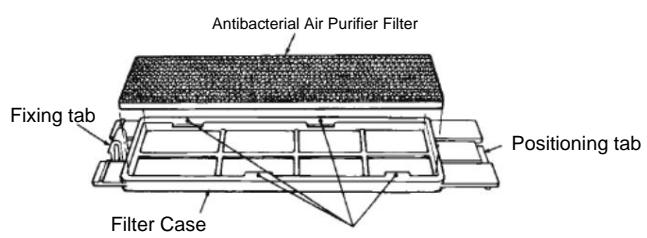
Preparation

**Stop operation and turn on the dedicated breaker.**

**Turn it "OFF"**

### 1 Install the antibacterial air purifying filter

- Place the antibacterial air purifying filter on the decorative panel in the included filter case.



### 2 Open the intake grill

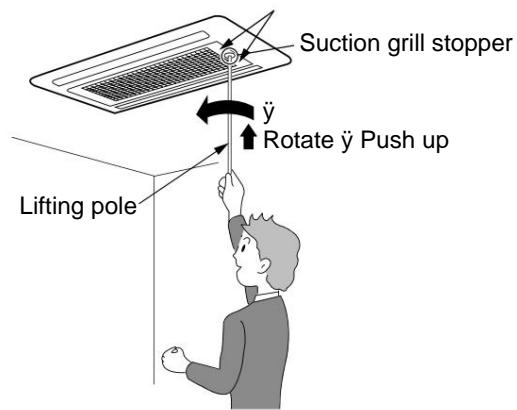
Insert the lifting pole into the groove of the intake grill stopper, rotate it about 90 degrees as shown in the right figure, and push it up to release latch 1 (2 places). The oil damper then slowly opens the grille to its handle (about 60 degrees).

Pushing it up at an angle will release latch 1.

(It may be difficult to push it up from directly below.  
Please.)

→ Page 5

(The lifting pole is included with the decorative panel.)



### Note

When the intake grille starts to open, there is a risk that the intake grille will suddenly open to about 20° while the lifting pole is inserted into the knob and supporting the intake grille.

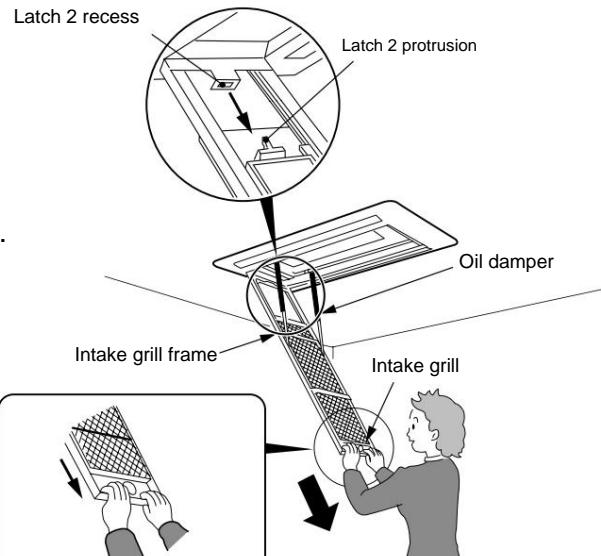
Masu.

Please be especially careful when opening the unit by hand due to loss of the lifting pole,  
etc. Do not force the intake grille open by hand until it is completely open.

Can't

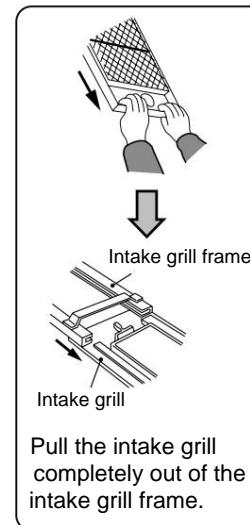
Forcing it open may damage the panel itself.

I will.



### 3. Remove the intake grille

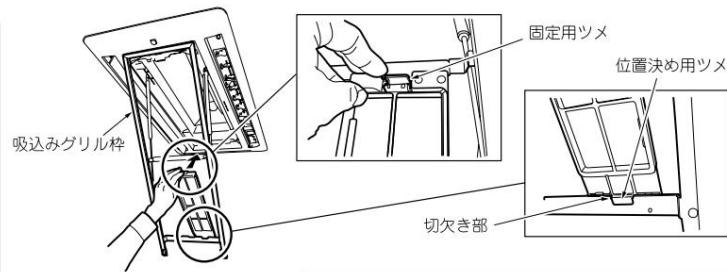
Hold the end of the intake grill as shown in the figure, and pull it out in the direction of the arrow. The intake grill is secured in place by latch 2, so pull firmly at first. Be sure to pull the intake grill completely out of the intake grill frame.



Pull the intake grill completely out of the intake grill frame.

## 4 Antibacterial air purifying filters Install

- As shown in the figure below, place the lattice of the filter case in front, hook the positioning tab onto the intake grill frame, and then fix it in place with the fixing tab. • Set two filter cases, one on the left and one on the right. 左右に2枚セットします。
- Masu.

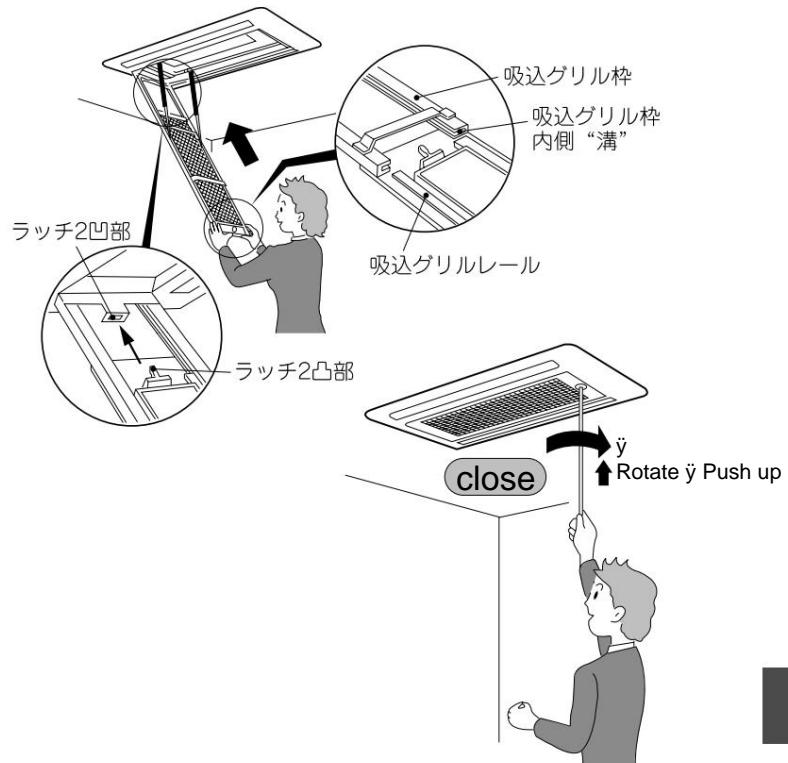


## 5. Install the intake grille

Insert the intake grill rail into the groove on the inside of the frame. Push the intake grill along the grill frame until the latch 2 protrusion on the intake grill is inserted into the latch 2 recess.

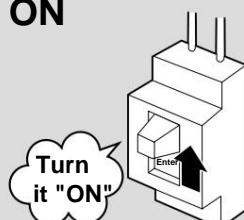
## 6 Close the intake grille

- Insert the lifting pole into the groove of the intake grill stopper and push up the intake grill from directly below.
- Check that latch 1 (2 places) is fixed, then rotate the stopper about 90° to the right to close the suction grill. \*If you have lost the lifting pole, insert a coin or similar object into the groove of the stopper and rotate it to open or close. Push up on the stopper to release latch 1, allowing you to open or close the suction grill.



## 7 Turn the dedicated breaker ON To

The upper and lower air deflectors will close automatically.



### Note

Keep the lifting pole out of reach of children.  
do  
Incorrect use may result in injury.  
Masu.

## How to care for it

We recommend replacing the antibacterial air purifier filter approximately every three months.

- Do not wash with water.

**Specifications**  
**This room air conditioner is for home use in Japan.**

This product cannot be used overseas where the power supply voltage and frequency are different, and after-sales service is not available.

Model	RAMP-36DCS	RAMP-40DCS	RAMP-50DCS	RAMP-56DCS
Power		Single phase 200		
supply (V) Rated		50/60		
frequency (Hz) Nominal capacity (kW class)	3.6	4.0	5.0	5.6
Operating noise (dB: sound power level) JIS C9612:2013	cooling heating	57 58	57 59	60 61
(dB: sound pressure level) JIS C9612:2005	Cooling Heating	40 41	40 42	44 44
Product weight (kg)		19		
External dimensions (mm) (height x width x depth)		195x848x500		

•For heating and cooling capacity, please refer to the outdoor unit's instruction manual.

## Testing institutions and testing methods for the sterilization, anti-mold, and deodorization of this air conditioner

Features	<p>&gt;About the functions of sterilization, anti-mold and deodorization (indoor unit)      The heat exchanger uses a titanium catalyst      for deodorization. It also has sterilization and anti-mold effects.</p>
Testing organization, test method, etc.	<p>[Sterilization] Testing organization that confirmed effectiveness: VOKEN Quality Evaluation Organization, a general incorporated foundation Testing method: JIS Z 2801 quantitative test (film adhesion method) Sterilization method: Titanium catalyst Name of the part where sterilization is performed: Heat exchanger (indoor unit) Test result: Antibacterial activity value suppressed by 99% *This does not sterilize the air coming out of the air conditioner.</p> <p>[Mold prevention] Name of testing organization that confirmed anti-mold effectiveness: Boken Quality Evaluation Organization, a general incorporated foundation Test method: Anti-mold test method (halo method) Anti-mold method: Titanium catalyst Name of part treated with anti-mold treatment: Heat exchanger (indoor unit) Test result: Anti-mold effective *Does not completely prevent mold growth.</p> <p>[Deodorization] Suppression method:      Titanium catalyst Measurement target:      Ammonia gas Measurement method: Inject ammonia gas into a box and measure the concentration decay by operating the air conditioner.      Ammonia removal rate: approx. 57% (after 30 minutes).      *Harmful substances in tobacco (carbon monoxide, etc.) cannot be removed. *Constituents that are constantly generated (building material odor, pet odor, etc.) cannot all be removed.</p>

Have your air conditioner checked if you have been using it for many years! Replacement parts for room air conditioners will be retained for 10 years after production is discontinued.

### Affection Check



- There is a burning smell. • The dedicated circuit breaker frequently trips. • The mounting parts such as the stand and the hanging part are corroded or loose. • Water leaks from the indoor unit.
- The operating noise becomes abnormally loud. • There are other abnormalities or malfunctions.

Do you have any of these symptoms?

If you experience any of these symptoms, turn off the dedicated breaker to prevent breakdowns or accidents, and be sure to consult your dealer for please.

Discontinue use



The J-Moss Green Mark is a mark that protects products from certain chemical substances (lead, mercury, cadmium, hexavalent chromium, etc.). This indicates that the content of PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) is below the standard value set by JIS C 0950:2008 (excluding specified exemptions).

For more information, please visit our website: <http://www.hitachi-ap.co.jp/company/environment/kankyo/jmoss/>

Please be careful when disposing of this product.

Under the Home Appliance Recycling Law that came into effect in April 2001, when customers dispose of used air conditioners, they are required to pay collection and transportation fees, as well as recycling fees, and to properly hand the item over to the retailer or city or town.

### Customer Note

Please write down the date of purchase and the name of the store where you purchased the product. This will be useful when requesting service.

<b>Purchase date</b>	Year    Month    Day
<b>Purchase store</b>	
<b>telephone number ( )</b>	