

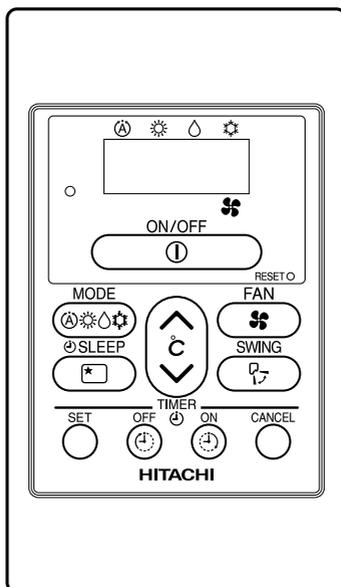
# HITACHI

Inspire the Next

## Remote Controller Manual

MODEL

SPX-RCDB  
(RAR-5G2)



ENGLISH

DEUTSCH

FRANÇAIS

ITALIANO

ESPAÑOL

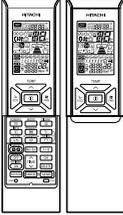
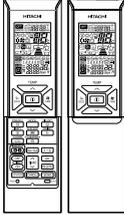
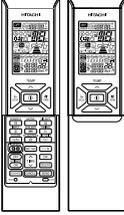
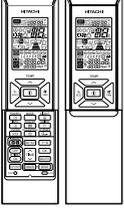
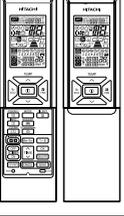
PORTUGUÊS

Ελληνικά

РУССКИЙ

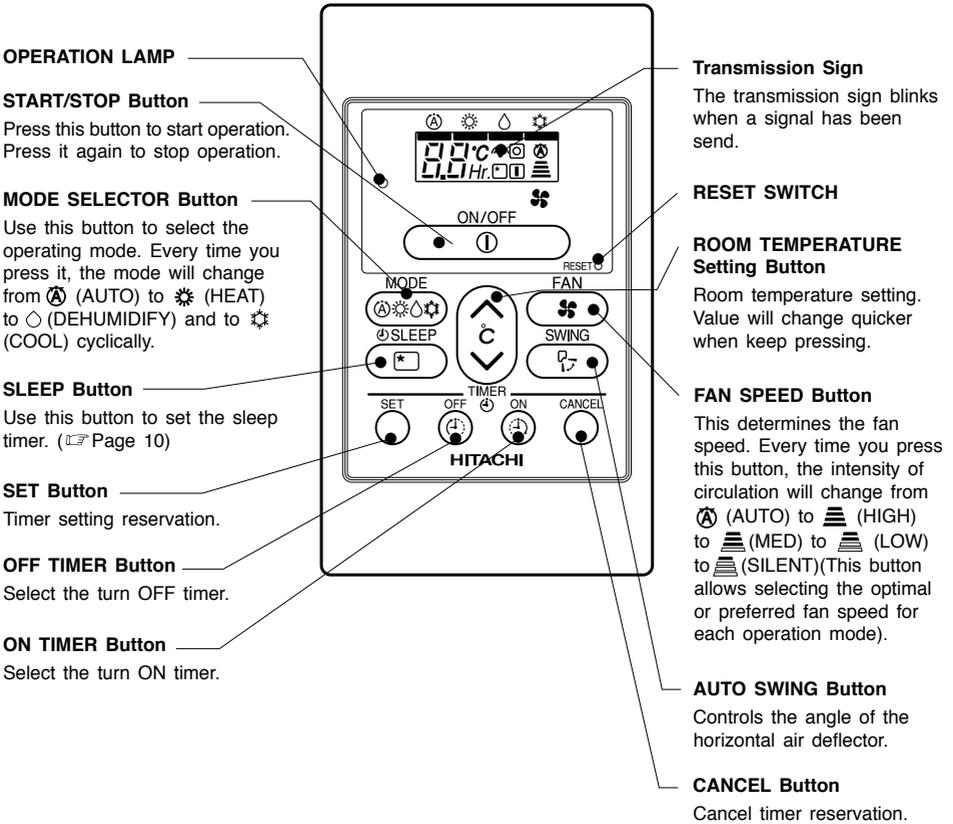
## PRECAUTIONS FOR USE

- In case of power failure happen, Wired Remote Controller may not show current operating mode when power comes back. However unit will continue to operate at previous setting mode.
- It is not recommended to use both Wireless Remote Controller and Wired Remote Controller at the same time.
- Some features of Wireless Remote Controller are not available when use Wired Remote Controller as mentioned below:

Standard Wireless Remote Controller	Features not available on Wired Remote Controller
<p>RAR-5E1</p> 	<ul style="list-style-type: none"> <li>● Powerful </li> <li>● Information </li> <li>● One touch clean </li> <li>● Leave home </li> <li>● Silent </li> <li>● Weekly timer </li> <li>● Auto swing (horizontal) </li> </ul>
<p>RAR-5E2</p> 	<ul style="list-style-type: none"> <li>● Powerful </li> <li>● Information </li> <li>● One touch clean </li> <li>● Leave home </li> <li>● Silent </li> <li>● Weekly timer </li> </ul>
<p>RAR-5E3</p> 	<ul style="list-style-type: none"> <li>● Powerful </li> <li>● Information </li> <li>● One touch clean </li> <li>● Leave home </li> <li>● Silent </li> <li>● Weekly timer </li> <li>● Air purify </li> </ul>
<p>RAR-5E4</p> 	<ul style="list-style-type: none"> <li>● Powerful </li> <li>● Information </li> <li>● One touch clean </li> <li>● Leave home </li> <li>● Silent </li> <li>● Weekly timer </li> <li>● Extended </li> </ul>
<p>RAR-5E5</p> 	<ul style="list-style-type: none"> <li>● Powerful </li> <li>● Information </li> <li>● One touch clean </li> <li>● Leave home </li> <li>● Silent </li> <li>● Weekly timer </li> </ul>

# NAMES AND FUNCTIONS OF REMOTE CONTROLLER

■ This controls the operation function and timer setting of the room air conditioner.



## Precautions for Use

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

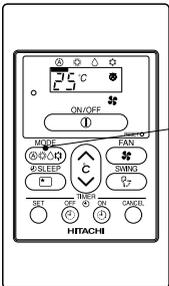
# VARIOUS FUNCTIONS

## Auto Restart Control

- If there is a power failure, operation will be automatically restarted when the power is resumed with previous operation mode.  
(As the operation is not stopped by remote controller.)
- If you intend not to continue the operation when the power is resumed, switch off the power supply. When you switch on the circuit breaker, the operation will be automatically restarted with previous operation mode.  
Note:1. If you do not require Auto Restart Control, please consult your sales agent.  
2. Auto Restart Control is not available when Timer or Sleep Timer mode is set.

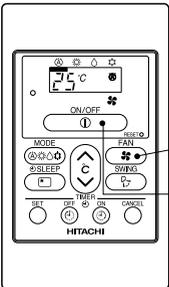
# AUTOMATIC OPERATION

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



1

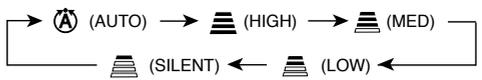
- Press the MODE selector button so that the display indicates the **(A)** (AUTO) mode of operation.
- When AUTO has been selected, the device will automatically determine the mode of operation, HEAT or COOL depending on the current room temperature. However the mode of operation will not change when indoor unit is connected to multi type outdoor unit.
  - If the mode automatically selected by the unit is not satisfactory, manually change the mode setting (HEAT, DEHUMIDIFY or COOL).



2

Press the **(FAN SPEED)** button to select AUTO, HIGH, MED, LOW or SILENT.

Set the desired FAN SPEED with the **(FAN SPEED)** button (the display indicates the setting).



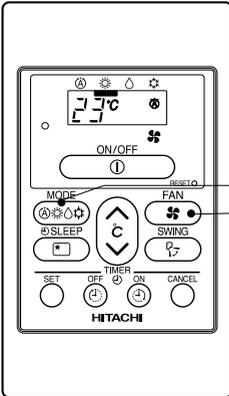
**START STOP**

Press the **(START/STOP)** button. Operation starts.  
Press the button again to stop operation.

- As the settings are stored in memory in the remote controller, you only have to press the **(START/STOP)** button next time.

# HEATING OPERATION

- Use the device for heating when the outdoor temperature is under 21°C.  
When it is too warm (over 21°C), the heating function may not work in order to protect the device.
- In order to maintain reliability of the device, please use this device when outdoor temperature is above -15°C



**1** Press the MODE SELECTOR button so that the display indicates (HEAT).

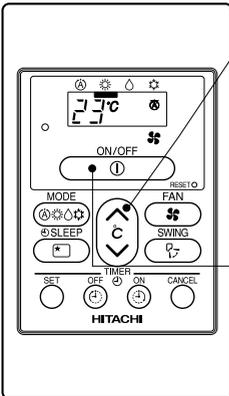
Set the desired FAN SPEED with the (FAN SPEED) button (the display indicates the setting).



**2**

Set the desired room temperature with the ROOM TEMPERATURE setting button (the display indicates the setting).

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



**START STOP** Press the (START/STOP) button. Heating operation starts. Press the button again to stop operation.

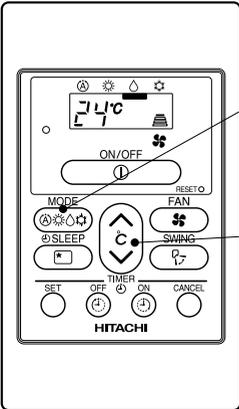
- As the settings are stored in the memory of the remote controller, you only have to press the (START/STOP) button next time.
- During AUTO fan, the fan speed automatically changes as below:
  - When the difference between room temperature and setting temperature is large, fan starts to run at HI speed.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

## Defrosting

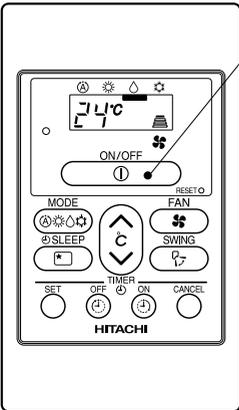
Defrosting will be performed about once an hour when frost forms on the heat exchange of the outdoor unit, for 5~10 minutes each time.  
 During defrosting operation, the operation lamp blinks in a cycle of 3 seconds on and 0.5 second off.  
 The maximum time for defrosting is 20 minutes.  
 However, if the indoor unit is connected to multi type outdoor unit, the maximum time for defrosting is 15 minutes.  
 (If the piping length used is longer than usual, frost is likely to form.)

# DEHUMIDIFYING OPERATION

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



Press the MODE SELECTOR button so that the display indicates  (DEHUMIDIFY).  
Press  (FAN SPEED) button to select SILENT or LOW fan speed.



Set the desired room temperature with the ROOM TEMPERATURE setting button (the display indicates the setting).



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

**START STOP**

Press the  (START/STOP) button. Dehumidifying operation starts. Press the button again to stop operation.

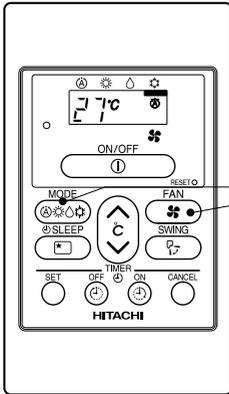
- As the settings are stored in the memory in the remote controller, you only have to press the  (START/STOP) button next time.

## ■ Dehumidifying Function

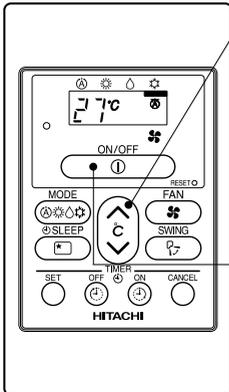
- When the room temperature is higher than the temperature setting: The device will dehumidify the room, reducing the room temperature to the preset level.  
When the room temperature is lower than the temperature setting: Dehumidifying will be performed at the temperature setting slightly lower than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

# COOLING OPERATION

Use the device for cooling when the outdoor temperature is  $-10\sim 43^{\circ}\text{C}$ .  
 If indoor humidity is very high (80%), some dew may form on the air outlet grille of the indoor unit.



**1** Press the MODE SELECTOR button so that the display indicates  (COOL).



Set the desired FAN SPEED with the  (FAN SPEED) button (the display indicates the setting).



**2**

**3**

Set the desired room temperature with the ROOM TEMPERATURE setting button (the display indicates the setting).

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

**START STOP**

Press the  (START/STOP) button. Cooling operation starts. Press the button again to stop operation. The cooling function does not start if the temperature setting is higher than the current room temperature (even though the  (OPERATION) lamp lights). The cooling function will start as soon as you set the temperature below the current room temperature.

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

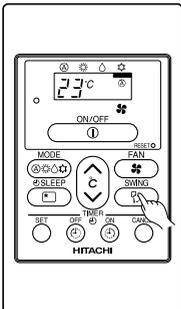
## LEAVE HOME(LH) AND CLEAN (ONE TOUCH CLEAN) OPERATIONS

- Leave Home (LH) and CLEAN(One Touch Clean) operations activation buttons are not available on this device. The operations shall be activated by wireless remote controller.
- Please refer to wireless 'Remote Controller Manual' to activate the operations.

### NOTE

- If  or  is displayed on the wired remote controller display, the unit will operate Leave Home (LH) operation mode or CLEAN (One Touch Clean) which shall be activated by wireless remote controller.
- Push start/stop  button to stop Leave Home (LH) or CLEAN (One Touch Clean) operation.

## AUTO SWING OPERATION



### VERTICAL SWING

#### ■ To start Vertical Auto Swing

- Press  AUTO SWING button. The deflector(s) will start to swing up and down.

#### ■ To cancel Vertical Auto Swing

- Press  AUTO SWING button again. The deflector(s) will stop in the current position.

### NOTE

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

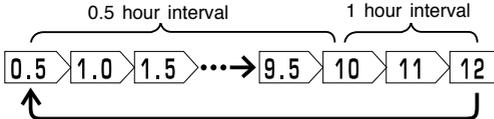
# TIMER RESERVATION

- ON Timer and OFF Timer are available.

## OFF Timer Reservation

### 1 OFF TIMER setting

- Select the OFF TIMER by pressing the  (OFF) Button.
- Setting timer will change according to the below sequence when you press the button.

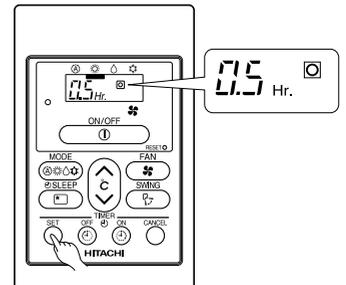
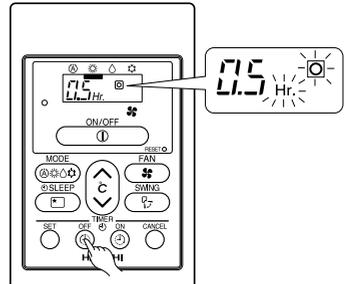


- The value change quicker if you keep pressing the button.

### 2 Press the (SET) button

- OFF TIMER is reserved.
- The  (OFF) Mark starts lighting instead of blinking.

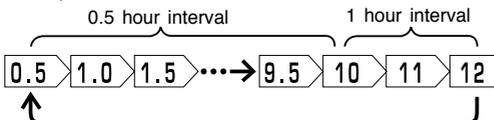
### ■ Operation stop at setting timer



## ON Timer Reservation

### 1 ON TIMER setting

- Select the ON TIMER by pressing the  (ON) Button.
- At the beginning of setting, timer is set to 6 hours.
- Setting timer will change according to the below sequence.

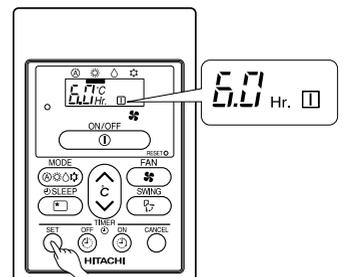
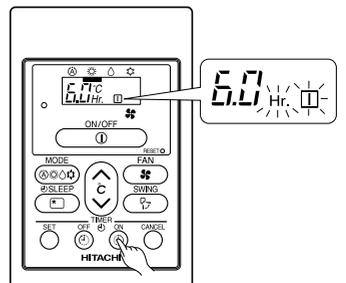


- The value change quicker if you keep pressing the button.

### 2 Press the (SET) button

- ON TIMER is reserved.
- The  (ON) Mark starts lighting instead of blinking.

- Operation will start for setting temperature at setting timer (The starting time may different depend on the room temperature and set temperature).

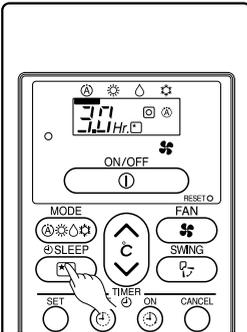


## CANCELLATION of Timer Reservation

### 1 Press the (CANCEL) button

- As the timer settings are stored in remote controller memory, you only have to press the  (SET) button in order to use the same setting next time.

## HOW TO SET THE SLEEP TIMER



Example: Setting 3 hours sleep timer.

Mode	Indication
Sleep timer	

**Sleep Timer:** The device will continue working for the designated number of hours and then turn off.  
Press the SLEEP button.  
The timer information will be displayed on the remote controller.

### How to Cancel Reservation

Press the (CANCEL) button. The and (RESERVED) sign goes out.

## Explanation of the sleep timer

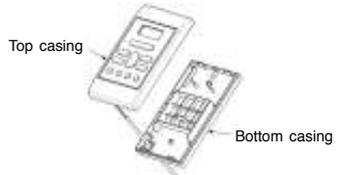
The device will control the FAN SPEED and room temperature automatically so as to be quiet and good for people's health.

### NOTE

- If you set the sleep timer after the off or on-timer has been set, the sleep timer becomes effective instead of the off or on-timer set earlier.
- You can not set other timer during sleep timer operation.
- After sleep timer time is up and when press sleep button again, the sleep timer will be set as last setting.
- Sleep timer effective only once.

# INSTALLATION OF WIRED REMOTE CONTROLLER

- (a) Connection to the electrical box;
  - Remove the cover of electric box
  - Connect the connector of wired remote controller to CN1102 of electrical board
  - Assemble back the cover of electrical box
- (b) Wiring installation for wired remote controller (2 methods);
  - Wired remote controller casing can be opened by pressing the slots with minus screw driver (see below diagram)



- Decide the fixing location of remote controller so that the length of wire shall be within 15 meters.



**CAUTION**

- Do not cut the provided wire. Excess wire should be properly wound and fitted at safe place.
- Do not join the wire with additional wire.

**Wiring installation illustrations**

Wall recessed wiring installation (Supplied)	Inside top wiring installation (Alternative)
<p>1. When connecting the wires via the wall's recessed slot;</p> <ul style="list-style-type: none"> <li>● Fix the bottom casing to the wall by provided screw.</li> <li>● Assemble the top casing to the fixed bottom casing.</li> </ul> <p>(Refer to the illustration below for detail installation)</p> <p>Labels: Lead wires (3 strands) are inserted through and fastened via a rib-clip; Wall mounting screws (2 pieces) (provided); Location of wall mounting screw; Lead wires connector; Wires; Lead wires connector; Wires.</p>	<p>2. When the wires to be connected from the inside top portion of top casing;</p> <ul style="list-style-type: none"> <li>● Break off a perforated aperture located at the top portion of the bottom casing by nipper. Smoothen the aperture by cutter.</li> <li>● Fix the bottom casing to the wall by provided screw.</li> <li>● Connect the wires to the lead wires connector.</li> <li>● Mount the wires through the provided slot on top casing.</li> <li>● Assemble the top casing to the fixed bottom casing (Refer to the illustration below for detail installation)</li> </ul> <p>Labels: Wires; Wires; Wall mounting screws (2 pieces to be used) (provided); Lead wires connector; Lead wires (3 strands).</p>

