

Operation Manual

Wireless Remote Controller
Model: SPRC-101

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Thank you for selecting C&H central air-conditioner!
To ensure using the wireless remote controller correctly, please read this manual carefully before use, and keep it properly. For any questions, please contact your dealer or our service center.

Operation Manual for Wireless Remote Controller

Mode: **SPRC-101**

To ensure using the controller correctly, please read this manual carefully before use.

This manual should be read along with the installation manual of air-conditioner (A/C).

Additional functions of this controller include Health, ECO, Sleep, Boost, Electric Heater, Quiet, I Feel, and Wind-free, Self-cleaning. If a function is not supported by your indoor unit, when setting this function from the controller, the displays may not synchronize with each other, which is a normal phenomenon.

When your indoor unit does not support 3D/Ultra function, the displays may not synchronize with each other when setting to it. When cooperating with wired remote controller with signal receiving function, the display may be inconsistent due to the types of indoor unit when setting lower limit of temperature, which is a normal phenomenon.

Please tick in the box "☐" when confirmed no problem.

1. Before Installation

1) Please check if the following items are complete.

Name	Quantity	Application
Wireless remote controller	1	For operation and control
Holder	1	For holding the controller
Screw (M4×16)	2	For fixing the holder

2. Mounting of Battery

1) Insert two AAA dry batteries inside the controller.

- ① Pull out the cover.
- ② Insert the batteries.

Please pay attention to the electrode when inserting batteries.

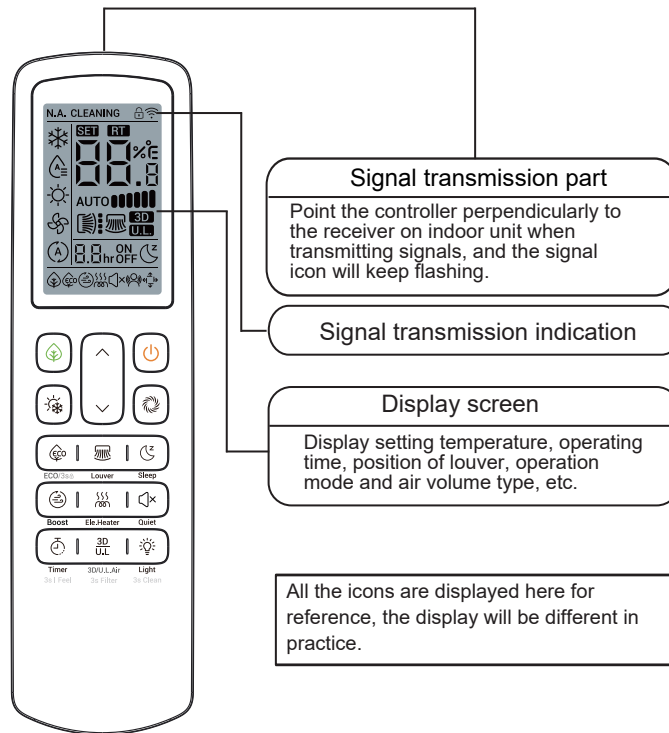
3. Instructions

- 1) Take out the batteries if the controller is not regularly used.
- 2) Please replace the two batteries simultaneously.

4. Description

Wireless remote controller

- Wireless remote controller is a device transmitting instructions, such as operation mode and time setting, to indoor unit by pointing to the signal receiver on indoor unit and pressing button to send IR signals.
- The maximum transmission distance is about 5 meters, or even shorter when transmission path of IR signals is not perpendicular to the receiver or when there is any electronic lighting device nearby.
- The controller supports the function to light up backlight automatically. The backlight will light up when vibration or shaking is detected by the controller.

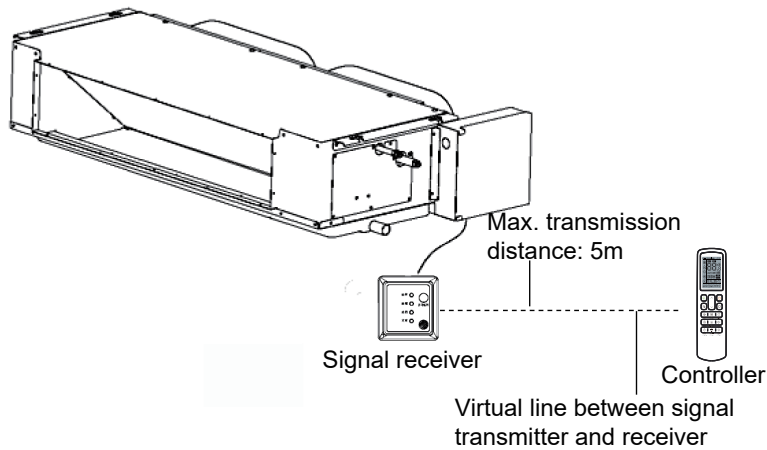


Button Description:

	Health		ON/OFF
	Temp "+"		Temp "-"
	Mode		Fan
	ECO		Louver
	Sleep		Boost
	Electric heater		Quiet
	Timer		3D/Ultra
	Light		

5. Signal Transmission

- Point signal transmitter on controller to the receiver on indoor unit.
- Operation of sending signals should be close to the indoor unit, and make the controller perpendicular to the plane where the receiver is located. If the plane is not perpendicular or fluorescent light is used at this moment, the transmission distance will be shorter.
- When transmitting signals, the controller should be in a cone range of 120 degree based on the receiver plane. When indoor unit is mounted at a low elevation, the reception angle becomes larger and transmission distance gets shorter, which varies depending on the building structure.
- As battery is exhausting, signal transmission distance will get shorter, and might get failed to control A/C. In such case, replace the batteries in time.



Please note: the ceiling ducted type A/C shown in the figure above is taken as an example. Other types may vary from this one.


Tips

- Signal receiver will beep when signal received. When there is no beeping, the signal is not successfully transmitted, please try again.
- Beep may not be heard due to interference of noises nearby.

Note: In some special cases, such as in centralized control state, the signal is received but indoor unit does not operate, at this point the buzzer gives a long beep for 1 second.

6. Operation

When operating the controller, according to [5. Signal transmission], the signal transmitter of controller should point to the receiver on indoor unit, and operate by pressing function buttons.

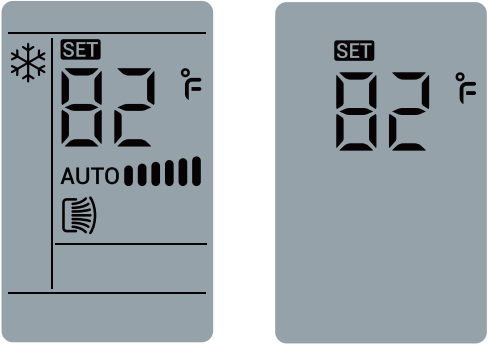
 Caution	<ul style="list-style-type: none"> ● Do not place the controller at any location with elevated temperature in case of malfunction. <ul style="list-style-type: none"> • Direct sunlight • Nearby the stove ● Please be careful when using the controller, otherwise it may break down if dropping onto the ground or affected by damp.
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
ON/OFF

For protection of the compressor, it should be powered on 12 hours before startup. Do not switch off the power source when A/C is regularly used.

After the controller is powered on, the receiver LED will keep flashing at every 0.5 second, which is a process of initialization and no operation available, and then goes off.

ON/OFF



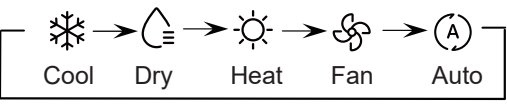
Point signal transmitter of the controller to the signal receiver and press , the signal receiver will beep once to indicate a successful reception.

- ON/OFF operation should be performed at an interval of min.3s, otherwise it may lead to a failure to actuate.

Mode

Mode Button

The icons on screen will switch in the following sequence at each press of Mode button






Cool Dry Heat Fan Auto


- When heat mode stops, sometimes air-supply operation will last for 2 minutes automatically.
- When there are three levels of Dry operation, hold "Mode+Fan" for over 3s when controller is OFF to switch to "dC" unit type.
- When Auto-dry function is available, hold "Mode+Fan" for over 3s when controller is OFF to switch to "AC" unit type.

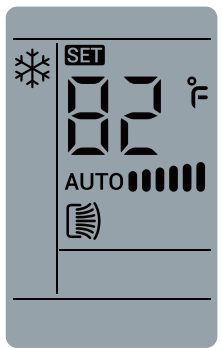
Temperature and Humidity

Temperature

Point signal transmitter on the controller to the signal receiver, and press  .

Each press of  will increase the temperature by 1°F ;

Each press of  will decrease the temperature by 1°F ;



Humidity	<p>Point signal transmitter on the controller to the signal receiver, and press \wedge \vee.</p> <p>Each press of \wedge will increase the humidity by 5% (max. 90%);</p> <p>Each press of \vee will decrease the humidity by 5% (min. 35%).</p>	
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- Humidity can be adjusted when in auto-Dry mode.

Fan

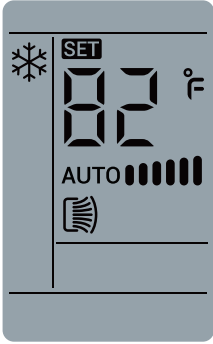
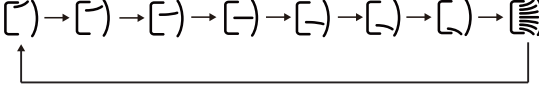
Fan	<p>Press to set speed.</p> <p>Each press of the button will adjust as the following sequence:</p> <p>3-level:</p> <p> (L → M → H → AUTO)</p> <p>4-level:</p> <p> (L → M → H → SH → AUTO)</p> <p>6-level:</p> <p> (Breeze → SL → L → M → H → SH → AUTO)</p>
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- In Dry mode, it is adjustable, but indoor unit is defaulted at the level of Low.
- Auto-fan mode is available only when indoor unit supports this function.
- Hold "Fan+ \wedge " for over 3s when the controller is OFF to select Level 3, 4 or 6.

Louver

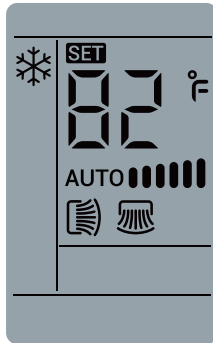
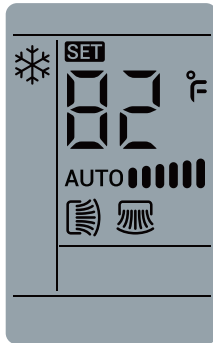
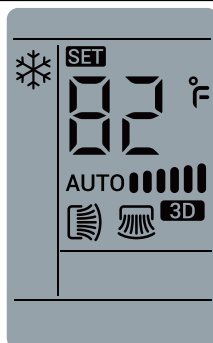
- Angle of louver varies along with the types of indoor unit. Please refer to the manual of indoor unit.
- The location of louver on screen may not match with the actual location when the louver is swinging.
- In Cool and Dry modes, only Mode 1~5 are available.

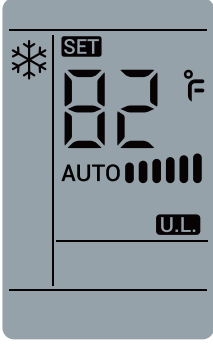
Louver setting when connected with 4-way cassette type indoor unit.

1	
	<p>Press "ON/OFF" to start operation, then press "Louver" to adjust direction of air flow. The louver will adjust as the following sequence at each press.</p> <p>  </p>

Louver setting when connected with 3D panel.

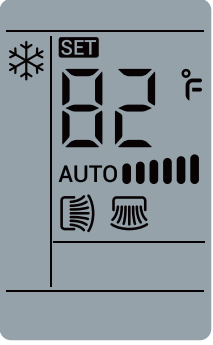
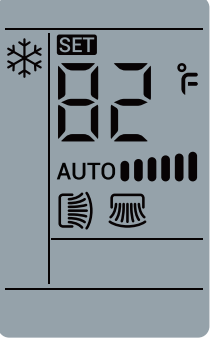
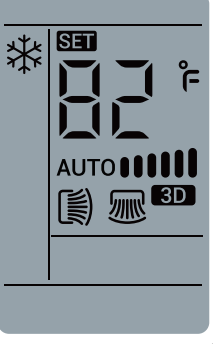
Hold "Louver+Health" for over 3s to switch to "3d" for controlling 3D panel.

1	<p>When the controller is ON, press "Louver", and the icon of up&down air supply flashes. During flashing, press ^ v to adjust the location of louver. The icon stops flashing after 5s, and the louver is at the set location.</p>	
2	<p>When the controller is ON, press "Louver", and the icon of up&down air supply flashes, then press "Louver" again, the icon of left&right air supply flashes. During flashing, press ^ v to adjust the location of louver. The icon stops flashing after 5s, and the louver is at the set location.</p>	
3	<p>When the controller is ON, press "3D/U.L." and the icon 3D is displayed, indicating the louver is in 3D air supply mode.</p>	

4	<p>When the controller is ON, press "3D/U.L." and the icon 3D is displayed. Press "3D/U.L." again and the icon U.L. is displayed, indicating the louver is in ultra-far air supply mode.</p>	
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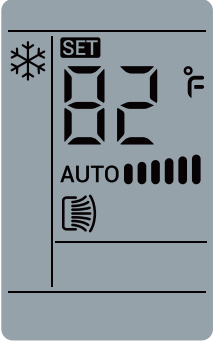
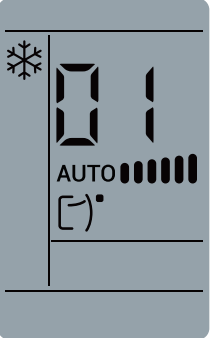
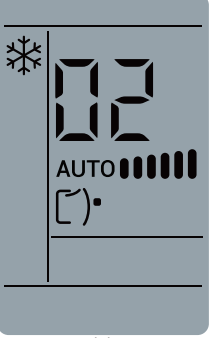
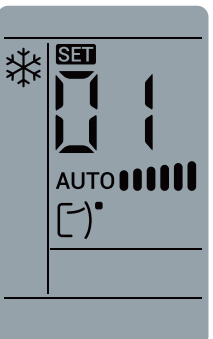

Louver setting when connected with 1-way panel.

Hold "Louver+Health" for over 3s to switch to "1F" to control 1-way panel.

1	<p>When the controller is ON, press "Louver", and the icon of up&down air supply flashes. During flashing, press \wedge \vee to adjust the location of louver. The icon stops flashing after 5s, and the louver is at the set location.</p>	
2	<p>When the controller is ON, press "Louver", and the icon of up&down air supply flashes, then press "Louver" again, the icon of left&right air supply flashes. During flashing, press \wedge \vee to adjust the location of louver. The icon stops flashing after 5s, and the louver is at the set location.</p>	
3	<p>When the controller is ON, press "3D/U.L." and the icon 3D is displayed, indicating the louver is in 3D air supply mode.</p>	

Louver setting when connected with K3 4-way or K3 2-way cassette type indoor units

Hold "Fan+Health" for over 3s to switch to "4F" to control the louver.


<p>1</p>	<p>Louver unified setting: when the controller is ON, press "Louver", the icon of up&down air supply flashes. During flashing, press ^/v to adjust the location of louver. The icon stops flashing after 5s, and the louver is at the set location</p>	
<p>2</p>	 <p>(1)</p>	 <p>(2)</p> <p>Louver separate setting: When the controller is ON, hold "Louver" for over 3s to enter louver separate setting mode. And the display of screen is as Fig. (1), indicating that No.1 louver is in setting state. Then press "Louver" again, the display on screen is as Fig. (2), indicating that No.2 louver is in setting state. (No.1~4 louvers available). The display returns to common interface when there is no operation within 5s.</p>
<p>3</p>	 <p>(1)</p>	 <p>(2)</p> <p>Louver separate setting: When the controller is ON, hold "Louver" for over 3s. And the display of screen is as Fig. (1), indicating the louver is in separate setting state, and "01" means the first louver to be set separately. Then press "Louver" to select target louver, and adjust louver by pressing ^/v. The display returns to Fig (2) When there is no operation within 5s.</p>


- The setting content will be memorized, no repeat setting is required in daily operation. If the setting has to be changed, please refer to this page (setting of temperature, fan and volume)






Timed Operation

Functions




- Timed operation is to turn ON/OFF A/C after a certain period of time.
 - Timer can be switched on or off.
- Press  when the A/C is OFF, and the A/C will turn on at set time.

Press  when the A/C is ON, and the A/C will turn off at set time.


Timer

Press  when the A/C is OFF, the screen displays that the A/C will turn ON in 0.5h, and the icon of 0.5h flashes. The timer will be adjusted once at each press of  or  when the icon is flashing.


The timer jumps by 0.5 hour interval within 10 hours; and 1 hour interval over 10 to max.23 hours.

Press  when the A/C is ON, the screen displays that the A/C will turn OFF in 0.5h, and the icon of 0.5h flashes, the time will be adjusted once at each press of  or  when the icon is flashing. When setting a Timer, the one set last time will display on screen.

Setting

When the timer is adjusted, point the signal transmitter on controller to the signal receiver, and press . The time on screen will stop flashing, indicating a successful setting, and the LED on the receiver lights up.



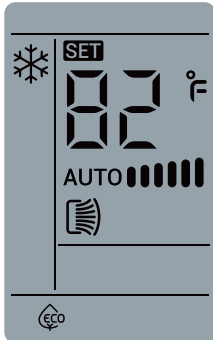
Cancel

When there is a timer to be canceled, point the signal transmitter on controller to the signal receiver, and press . The receiver LED goes off, indicating the Timer is canceled.






Additional Functions





The following additional functions are not available for every A/C, please consult distributor for details. When set an additional function from wireless remote controller, it does not work if the A/C does not have this function. When there is conflict between additional functions, the previously set function will be canceled automatically. At this point, the receiver will beep twice.

ECO	<p>When A/C is turned ON, point the signal transmitter on controller to signal receiver, and press .</p> <p>The receiver beeps once, indicating a successful setting, and the A/C is switched to ECO mode.</p> <p>Press  to exit from ECO mode.</p> <p>※ Only part of A/C models have this function.</p>	
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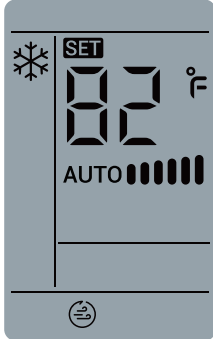
- When setting ECO from controller, speed and temperature can not be adjusted, which will be controlled automatically by the indoor unit.
- ECO mode will be canceled when controller is switched from ON to OFF.
- ECO mode will be canceled when operation mode is changed.

Quiet	<p>When A/C is turned ON, point the signal transmitter on controller to signal receiver, and press .</p> <p>The A/C is switched to Quiet mode.</p> <p>Press  to exit from Quiet mode.</p> <p>※ Only part of A/C models have this function.</p>	
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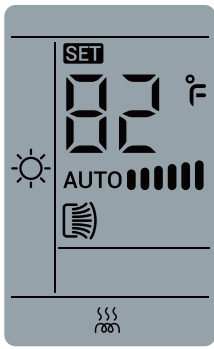
- The indoor unit controls speed automatically in Quiet mode. When setting Quiet mode from controller, current speed is displayed and non-adjustable.
- Quiet mode will be canceled when controller is switched from ON to OFF.
- Quiet mode will be canceled when operation mode is changed.

Sleep	<p>When A/C is turned ON, point the signal transmitter on controller to signal receiver, and press .</p> <p>The icon of Sleep on controller screen lights up, indicating the A/C is switched to Sleep mode.</p> <p>Press  to exit from Sleep mode.</p> <p>Sleep mode is defaulted as 8h, and can be adjusted by pressing .</p> <p>※ Only part of A/C models have this function.</p>	
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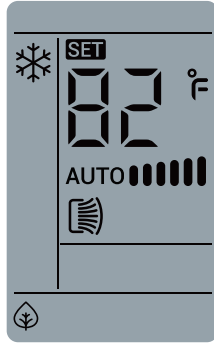
- Sleep mode is available when controller is ON.
- Sleep mode will be canceled when operation mode is changed.
- Sleep mode will be canceled when controller is switched from ON to OFF.
- When the Timer is canceled by pressing Timer button, Sleep mode will also be canceled.

Boost	<p>When A/C is turned ON, point the signal transmitter on controller to signal receiver, and press .</p> <p>Icon of Boost lights up on the screen, indicating the A/C is switched to Boost mode.</p> <p>Press  to exit from Boost mode.</p> <p>※ Only part of A/C models have this function.</p>	
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

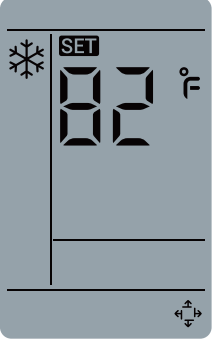
- Boost mode can be set only when in Cool or Heat mode.
- Speed is non-adjustable after setting to Boost.
- Boost mode will be canceled when controller is switched from ON to OFF.
- Boost mode will be canceled when operation mode is changed.

Electric Heater	<p>Point the signal transmitter on controller to signal receiver, and press .</p> <p>Icon of Ele.Heater lights up on the screen, indicating the A/C is switched to Electric Heater mode.</p> <p>Press  to exit from Electric Heater mode.</p> <p>※ Only part of A/C models have this function.</p>	
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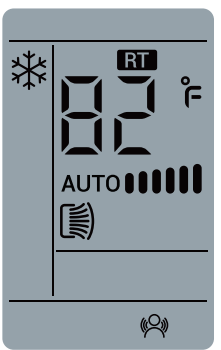
- This function is available only when in Heat mode.
- Electric Heater mode will be canceled when controller is switched from ON to OFF.
- Electric Heater mode will be canceled when operation mode is changed.

Health	<p>Point the signal transmitter on controller to signal receiver, and press .</p> <p>Icon of Health lights up on the screen, indicating the A/C is switched to Health mode.</p> <p>Press  to exit from Health mode.</p> <p>※ Only part of A/C models have this function.</p>	
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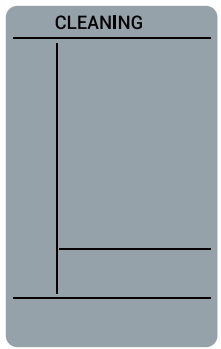
- This function is available only when the controller is ON.
- Health mode will be canceled when controller is switched from ON to OFF.

Wind-Free	<p>Point the signal transmitter on controller to signal receiver, and hold  for over 3s.</p> <p>The icon  lights up on the screen, indicating the A/C is switched to Wind-Free mode.</p> <p>Hold  for over 3s to exit from Wind-Free mode.</p>	
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- Wind-Free mode is available when operating in Fan, Cool, Heat and Dry modes.
- Wind-Free mode will be canceled when Fan and Louver information is changed.
- Screen does not display Fan and Louver when in Wind-Free mode.
- Wind-Free mode will be canceled when controller is switched from ON to OFF.
- Wind-Free mode will be canceled when operation mode is changed.





I Feel	<p>Point the signal transmitter on controller to signal receiver, and hold  for over 3s.</p> <p>The icon  lights up on the screen, indicating the A/C is switched to I Feel mode.</p> <p>※ Only part of A/C models have this function.</p>	
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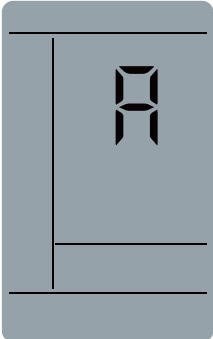
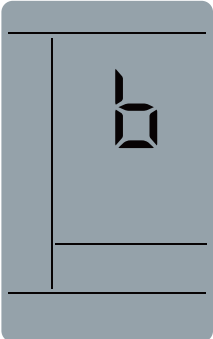
- This function is available only when controller is ON.
- I Feel mode will be canceled when controller is switched from ON to OFF.
- I Feel mode will be canceled when operation mode is changed.
- When in I Feel mode, keep the signal transmitter aiming to receiver.
- Room temperature will display after setting to I Feel mode.


Self-cleaning	<p>When A/C is turned OFF, point the signal transmitter on controller to signal receiver, and hold  for over 3s.</p> <p>Only word "CLEANING" displayed on the screen, indicating the A/C is in Self-cleaning mode. Turn off A/C to exit.</p> <p>※ Only part of A/C models have this function.</p>	
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- When in Self-cleaning mode, turning OFF A/C is the only way to exit.
- The defaulted operation duration of Self-cleaning mode by the controller is 1h, there might be a difference from that of the A/C.

Additional Functions

Button Lock	<p>Hold  for over 3s.</p> <p>The icon  lights up on the screen, indicating the buttons of the controller are locked.</p> <p>Press  for over 3s to unlock.</p>	
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Adjacent Unit Setting	  <p>When controller is turned OFF, hold "Mode+Quiet" for over 3s to enter Adjacent Unit Setting mode, and switch between Mode A/B.</p> <p>※ The receiving end should have sync settings to realize this function.</p>
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Light	<p>Point the signal transmitter on controller to signal receiver, and press  to turn on or off the display panel on A/C.</p> <p>※ Only part of A/C models have this function.</p>
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<h3>Screen Auto-ON</h3>
<p>This wireless remote controller supports the function to light up backlight automatically.</p> <p>This function is defaulted as auto-ON. When vibration or shaking is detected, the backlight will light up automatically.</p> <p>Turn on or off this function by holding "Fan+Quiet" for over 3s.</p>

7. Installation

- Note: when the controller is installed on the wall, do not operate it directly from the wall just in case the indoor unit failing to receive signals. Please take the controller off from the wall, and operate by pointing it to the receiver.
- The location of controller should be at a place accessible to user, but not at any places as shown below:



- Please consider the following tips when the controller is at a location exposed to electromagnetic wave:
 - ① Do not install the controller at a location where there would be interference from electromagnetic wave.
 - ② Keep the controller at least 3 meters away from any device emitting electromagnetic wave to minimize the interference to signal transmission.
- The controller shall not be exposed to any flammable gases.
- Please keep a distance at least 30cm away from the power line when installing the controller on the wall.

The Company is committed to continuous product improvement. We reserve the right, therefore, to alter the product information at any time and without prior announcement.

05.2022 V00