PIONEER
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USER'S MANUAL

Wired Controller

BSG175A8R

Thank you for choosing Pioneer International Air Conditioners, please read this owner's manual carefully before operation and retain it for future reference.
If you have lost the User's Manual,please contact the local agent or visit www.pioneerair.com.au or sent email to sales@pioneerair.com.au

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This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

User Instructions

Please carefully read this manual before installation and use of this product.

- Do not install or remove the wired controller by yourself. If necessary, please contact the after- sales serviceman.
- Do not install the wired controller in the humid area or under direct sunlight.
- Do not beat, toss, or frequently assemble/disassemble the wired controller.
- Do not operate the wired controller with wet hands.
- This wired controller is applicable to various kinds of air conditioners, while some specific functions unavailable to the duct type air conditioners will not be covered in this manual.

Installation and Disassembly

1.Installation Place and Installation Requirements

- Do not install the wired controller in the humid area or under direct sunlight
- Do not install the wired controller close to the high-temperature object or place where is easy to splash on the wired controller.
- Do not install the wired controller directly opposite to the window so as to avoid improper operation caused by the interference of the neighbor's same model wired controller.
- Please cut off the power supply of wires embedded in the wall. No operation is allowed with electricity.
- To avoid abnormal operation caused by electromagnetic interference or other causes, please take notice of the following statements during wiring.
  1. Be sure the communication line is wired into the correct port, otherwise it would lead to communication fault.
  2. The communication line (wired controller) and power line must be separated with the minimal distance of 20cm, otherwise it would lead to communication fault.
  3. If the air conditioner is installed where is easy to suffer electromagnetic interference, the communication line of the wired controller must be shielded twisted pair.

2. Installation of the Signal Wire

1. Open the indoor unit electric box cover.
2. Make the signal line go through the rubber band
3. Insert the signal wire port in the 4-seat needle which on the indoor unit circuit board.
4. Tightly fix the signal wire with wire ties.

Notice:

The communication distance between main board and wired controller can reach 20m. (The recommended length is 8m)

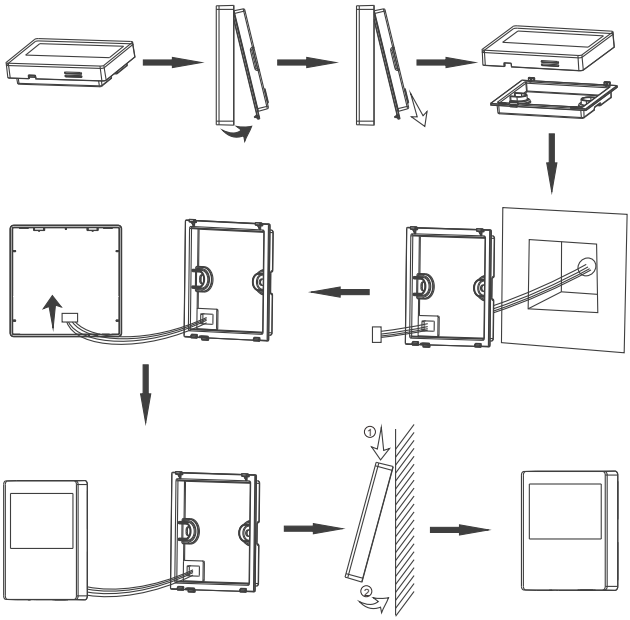
Installation and Disassembly

3. Installation of Wired Controller

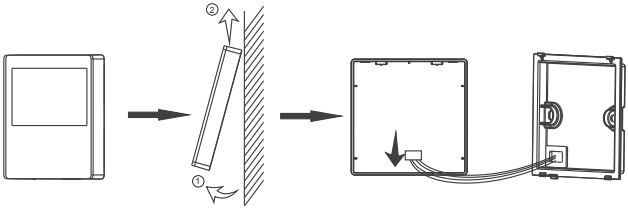
The simple installation step of wired controller is as shown on the figure, please notice below issues:

- Pull out the 4 core twisted pair wire from the mounting hole and pass this line through the oblong hole located at the bottom of the wired controller.
- Use M4×25 screws to fix the base plate together with installation hole of the wall.
- Insert the through signal wire in the slot on the wired controller , also lock the wired controller panel and base plate together.

Wired controller installation steps:

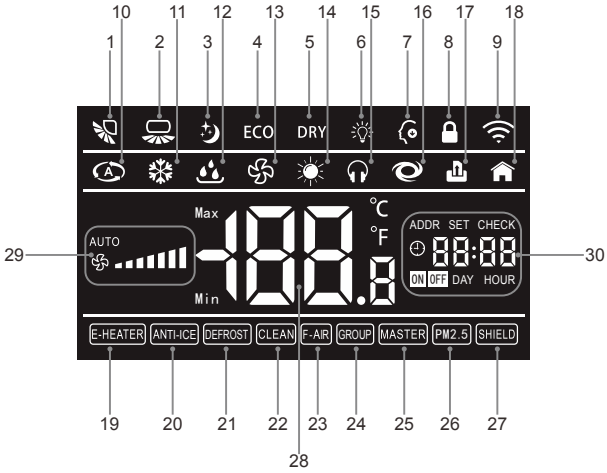


4. Disassembly the Wired Controller



Display and Installation instruction

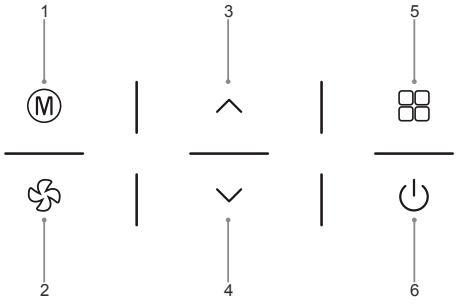
Liquid crystal display



No.	Icon Name	Icon Instruction
1	Vertical Swing	Vertical Swing function status
2	Horizontal Swing	Horizontal Swing function status (N/A)
3	Sleep	Sleep function status
4	ECO	Energy saving function status
5	Dry	Dry function status
6	Light	Light of indoor unit display panel status；(not refer to wired controller)
7	Memory	Memory function status
8	Lock	Keyboard lock status
9	Wi-Fi	Wi-Fi function status
10	Auto	Operating in AUTO mode
11	Cooling	Operating in Cooling mode
12	Dehumidification	Operating in Dehumidification mode
13	Fan	Operating in Fan mode
14	Heating	Operating in Heating mode
15	Quiet	Quiet function status
16	Turbo	Turbo function status

17	Access control	Plug-in/out card status (N/A)
18	N/A	Low temperature heating function status
19	E-Heater	E-Heater function status
20	Anti-ice	Anti-ice function status
21	Defrost	Defrost function status
22	Clean	Refer to filter clean reminding
23	Fresh air	Fresh air function status (N/A)
24	Group	Group function status (N/A)
25	Master	Refer to master indoor unit
26	PM2.5	Refer to PM2.5 (N/A)
27	Shield	Shield status (N/A)
28	TEMP.	Ambient temp. / setting temp.
29	Fan speed	Current setting fan speed
30	Timer	Timer status

Buttons



No.	Button Name	Button Instruction
1	Mode	Setting the operating mode: Auto,Cooling,Dehumidication,Fan， Heating
2	Fan	Setting fan speed
3	Increase	Setting operating temp., range:20°C~25°C (68°F-77°F) Setting timer time, range: 0.5-24 hour
4	Decrease	
5	Function	Select CLEAN, ECO, SLEEP, TURBO, QUIET, etc. functions
6	ON/OFF	Turn on/off unit

Operation Installation

Lock Function

In the on/off-state, press " ∧ " and " ∨ " buttons at the same time for 5s till the wired controller enters the lock state. In this case, the LED display " 🔒 ". After that, repress these two buttons at the same time for 5s to quit the lock state.

Notice:

In the lock state, if malfunction occur, all the buttons will be shield besides ON/OFF button.

The Switch of Centigrade and Fahrenheit

In On/Off-state, press " Ⓜ " and " " button for 5s to switch between Centigrade and Fahrenheit.

Defrost Function

In Heating mode, when the condition meets the standard that the outdoor unit control system can turn on the defrost function, the units will defrost automatically, " DEFROST " icon appear.

Wi-Fi Function

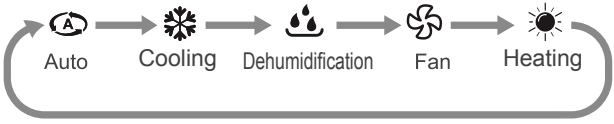
Press the " ⏻ " and " Ⓜ " buttons for 3s into the Wi-Fi setting.

On/Off

Press the " ⏻ " button to turn on or off the unit.

Mode Setting

In on-state, press the " Ⓜ " button to switch the operation modes as the sequence shown in below:



Temperature Setting

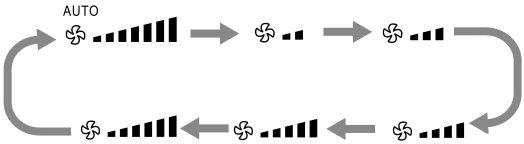
Press " ∧" or " ∨" button to increase or decrease setting temperature in on-state of the unit. If press either of them continuously, temperature will be changed rapidly. Temperature setting range is 20°C~25°C (68°F-77°F).

Operation Installation

Notice:
In Auto mode, the setting temperature is un-adjustable.

Fan Speed Setting

Press "" button, fan speed of indoor unit will change as the sequence below:

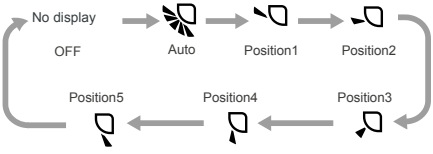


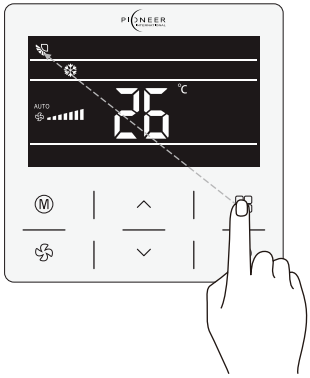
Notice:

- After installation completed, wired controller will detect the unit type automatically. Different types may have different ways of fan speed display, it can be divided into the 2 kinds above.
- In Dehumidification mode, the fan speed is default to low fan speed and can not be adjusted.
- When set the AUTO mode, the indoor fan speed will be changed according to the indoor ambient temp., the fan speed strip is not displayed.

Swing Setting

In On-state,press" " button to access the function selection mode, press" ^ " or " v " button to switch the swing function，" " icon blinking，then press" Ⓜ " button to access the swing position selection， press" ^ " or " v " button to adjust the swing position，press" " button to turn on/off this function.
The swing function will be adjusted as below sequence:





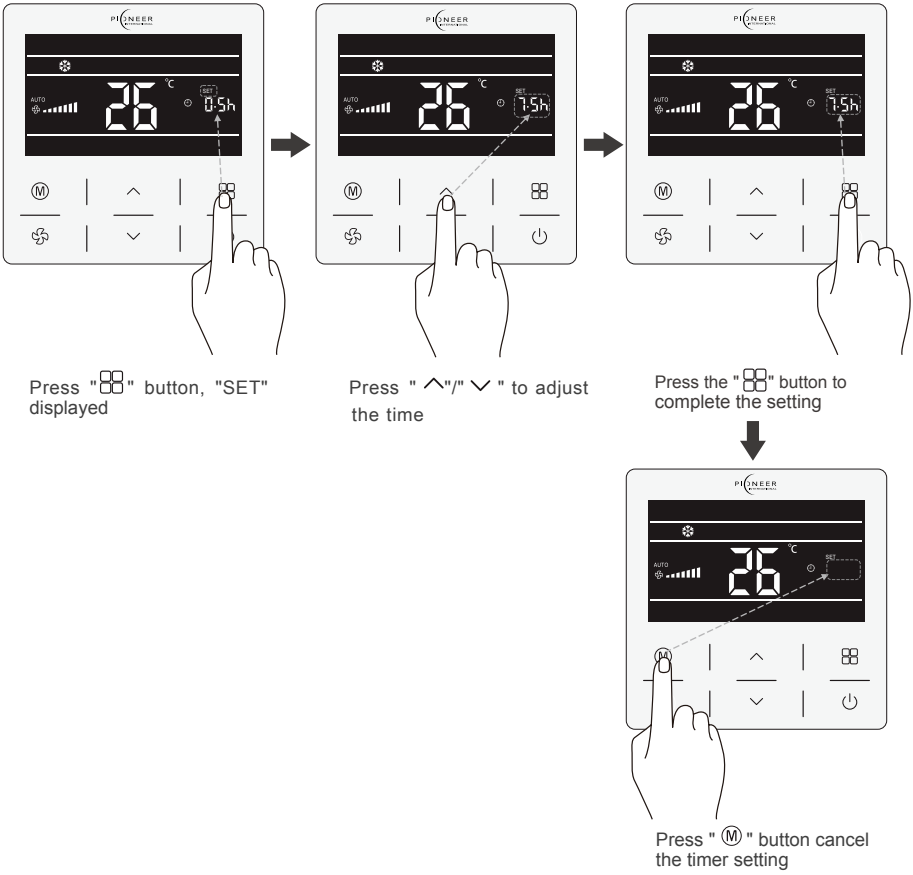
Operation Installation

Timer Setting

In on-state, press " ⊞ " button for 3s to set turn off time; in off-state,press " ⊞ " button for 3s to set turn on time. Timer range: 0.5-24h

Notice: The min gap of time display is 0.5h, less than 0.5h will display 0.5h.

- Timer Setting:
  Press " ⊞ " button, " SET" icon displayed, then press " ∧ " or " ∨ " to adjust the time, after that, press the " ⊞ " button again to make a confirmation (" SET " disappeared), setting complete.
- Cancel Timer Setting:
  After Timer is set, press " ⊞ " button, " SET " icon displayed ,then press " Ⓜ " button for 3s, " SET " icon and timer time disappear, setting canceled.



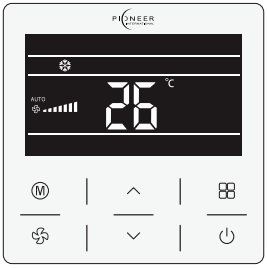
Operation Installation

Turbo Function Setting

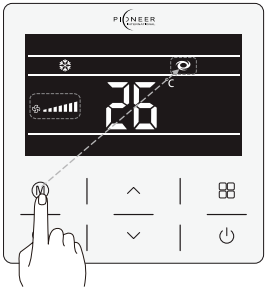
In Cooling/Heating/Fan mode, press" " button for 3s to switch the Turbo function, In this case,the LED display " " and " " .After that, press" " button at the at the same time for 3s to quiet function. Then press" " button to turn off the function.

Notice:

- When turn on Turbo function, the fan speed strip will not change.
- Switch to other mode and adjust the fan speed will both exit the Turbo function automatically.
- Can not turn on "Turbo" and "Quiet" function in the same time.
- There has no Turbo function in Dehumidification/Auto mode.



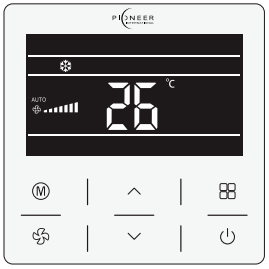
In Cooling/Heating/Fan mode



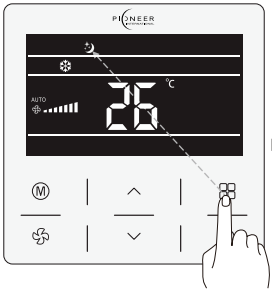
Press " " button switch to the Turbo function

Sleep Function Setting

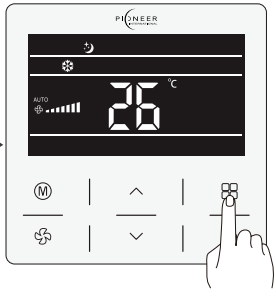
In Cooling/Heating/Dehumidification mode, press " " button to access the function selection mode, press " " or " " button to switch the Sleep function, " "icon blinking, press " " button to turn on/off the function.



In Cooling/Heating/ Dehumidification mode



Press " " button switch to the Sleep function, " " icon blinking



Press the " " button to turn on/off the function

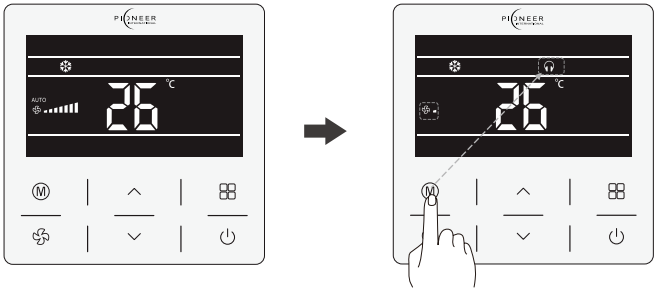
Operation Installation

Quiet Function Setting

In Auto/Cooling/Dehumidification/Fan/Heating mode,press" "button for 3s to switch the Turbo function,After that press" "button at the same time for 3s to Quiet function ,In this case ,the LED display " "and " ".Then press " "button to turn off the function.

Notice:

- When turn on Quiet function, the fan speed strip will not change.
- Switch to other mode and adjust the fan speed will both exit the Quiet function automatically.
- Can not turn on "Turbo" and "Quiet" function at the same time.



In Auto/Cooling/Dehumidification Fan/Heating mode

Press " " button switch to the Quiet function

Clean Reminder

When the wired controller received Clean Reminder, " CLEAN " icon blinking, press " " to cancel the reminder

Master indoor unit setting

In on/off state of the unit, press" " and "Ⓜ" buttons for 5 seconds, then LED display " F00", press " " button for 5 seconds , LED display “A01”, then press "Ⓜ" button, timer setting area blinking, adjust the value to "01"by pressing " ", " " button, at last press " " button to make a confirm.

DRY function setting

In Cooling/Dehumidification mode, press " " button to access the function selection mode, press" "or " "button to switch the DRY function, "DRY "icon blinking, then press " " button to turn on/off this function.

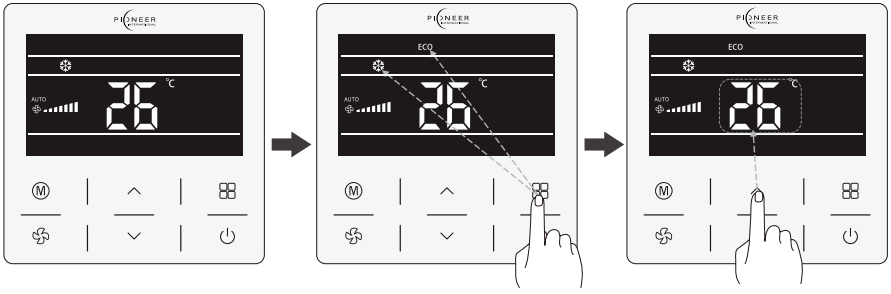
Operation Installation

ECO Function Setting

ECO function can make the air conditioner runs in a smaller temperature range by setting limited value of setting temperature in the Cooling or heating mode to achieve energy saving.

In Cooling/Dehumidification/Heating mode, press " ⊞ " button to access the function selection mode， press" ∧ " or " ∨ " button to switch the ECO function， " ECO " icon blinking, then press" Ⓜ " button to set cooling(heating) limited setting temperature ， press " ∧ " / " ∨ " button to adjust the limited setting temperature, then press " ⊞ " button to turn on/off this function.

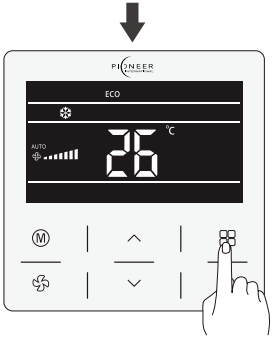
The initial min. limited cooling setting temperature is 25°C(77°F), the initial heating max. limited heating setting temperature is 22°C(72°F).



In Cooling/Dehumidification /Heating mode

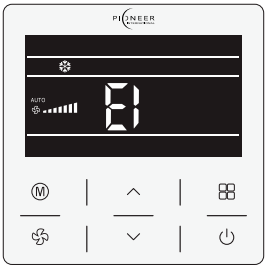
Press " ⊞ " button to access the function selection mode

Press " ∧ " / " ∨ " button to set cooling(heating) limited setting temperature



Press " ⊞ " button to turn on/off this function

Error Code



When error happens to the unit, the error code will be shown on the wired controller. When multiple errors simultaneously happen, the error codes will circularly show up.
When error occurs, please immediately shut down the unit and contact service center.

- If show other code, please turn off and contact the service center.
- If show "CL", please turn off and clean the filter(please cut off power before take out filter).
  Finish clean and well install the filter, please turn on , then the code will disappear.

Error Code	Name
CL	Filter clean remind
H0	High exhaust temp. protection
H1	Overcapacity protection
H2	Compressor overload protection
H3	Anti-frost protection
H4	System high pressure protection
H5	System low pressure protection
H6	Lack refrigerant/ valve stop protection
C8	Auxiliary heat adhesion protection
C9	The communication between indoor unit and wired controller fault
E0	Indoor temp. sensor open/short circuit
E2	Outdoor temp. sensor open/short circuit
CJ	Wired controller temp. sensor fault
FF	Defrost or heating oil return
C3	Indoor unit report outdoor unit fault
Cb	Water full protection
CF	Refrigerant leakage failure
Eb	Gas sensor failure