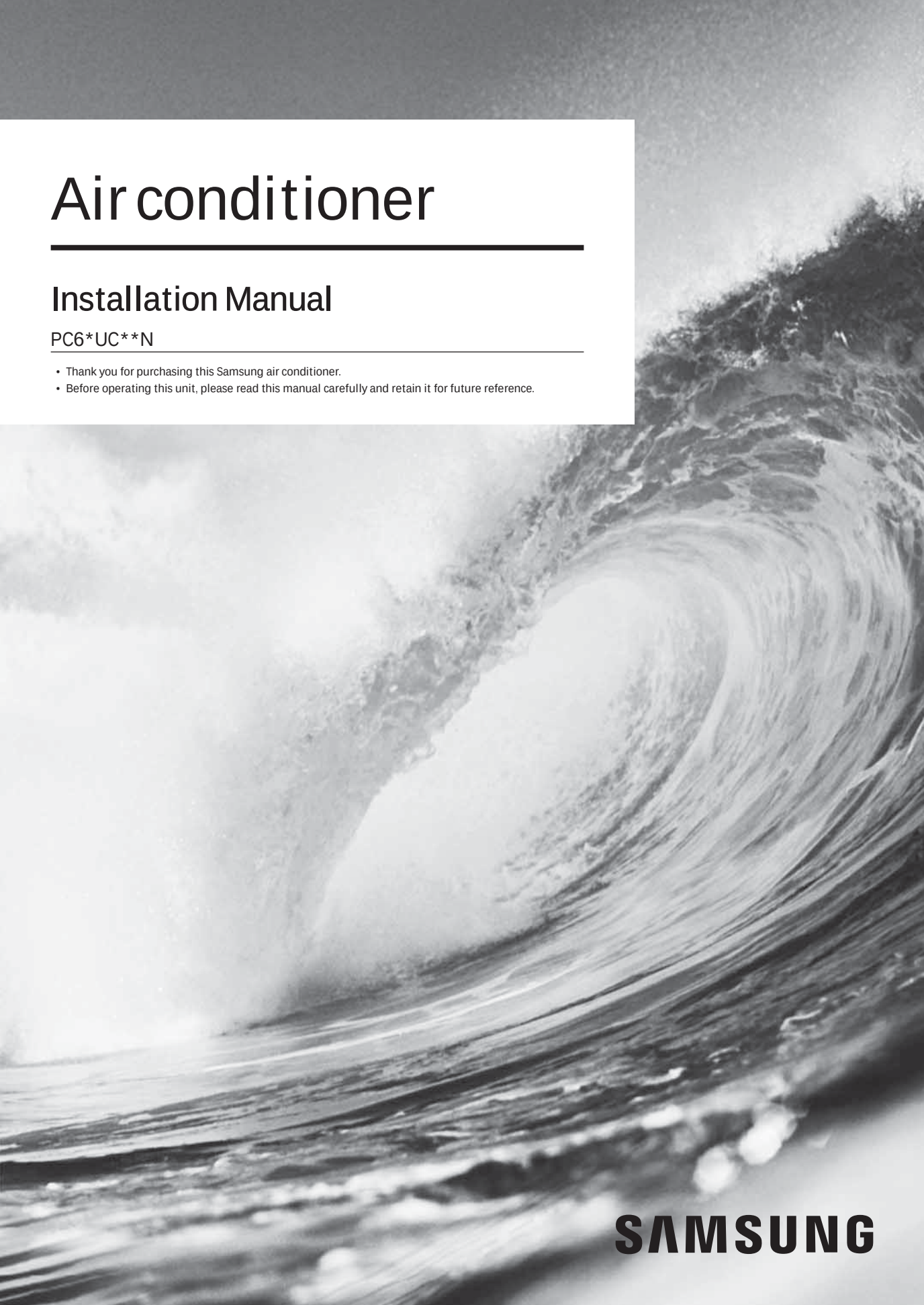
Air conditioner

Installation Manual

PC6*UC**N

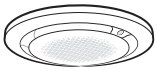
- Thank you for purchasing this Samsung air conditioner.
- Before operating this unit, please read this manual carefully and retain it for future reference.



SAMSUNG

Installing the 360 CST purification panel

Types of 360 cassette air purification panels

Type A: Square panel	Type B: Circular panel
	

Accessories

M4 X L25 bolt (4) (Type A only)	Installation manual (1)
User manual (1)	M4 screw (4)

⚠ CAUTION

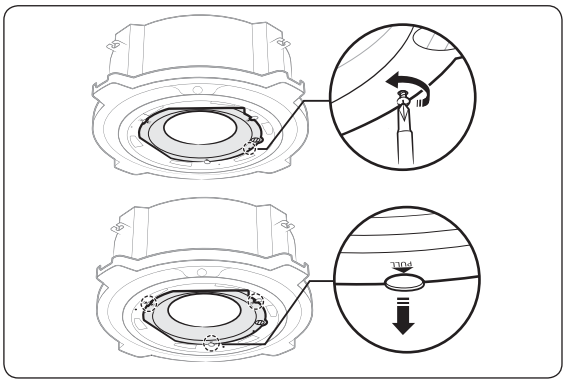
- After installing the product, the installation technician must show the user how to use the air conditioner.

NOTE

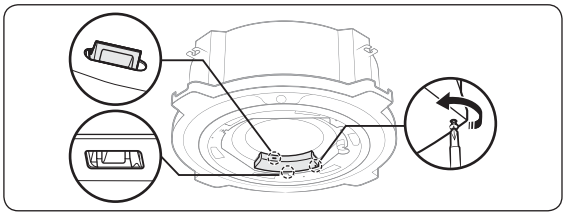
- M4 screw tightening torque: 1.2–1.8 N·m

Installing the air purification kit

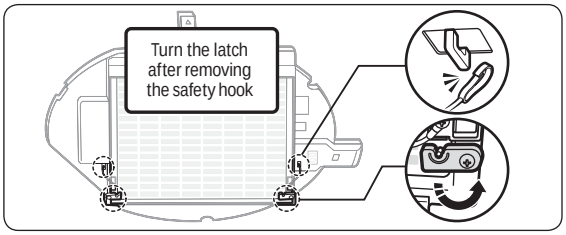
1 Remove the protective cover.

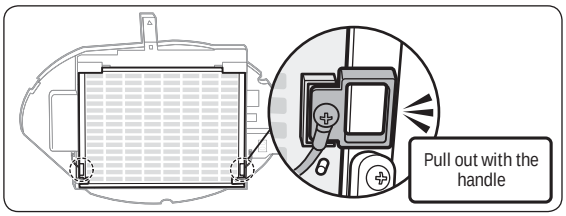


2 Remove the electrical system unit cover.

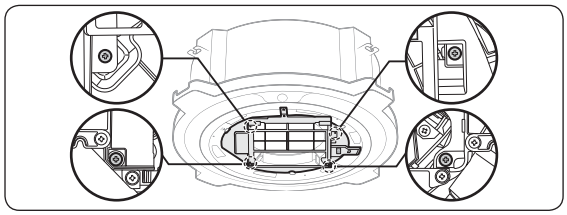


3 Remove the filter from the air purification kit.



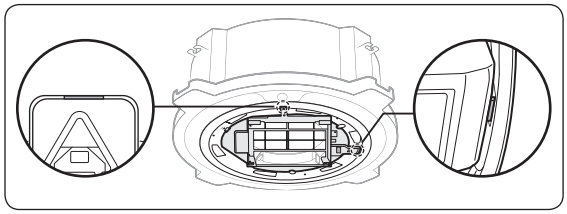


4 Use the hooks to fasten the air purification kit to the indoor unit, and then tighten the screws.

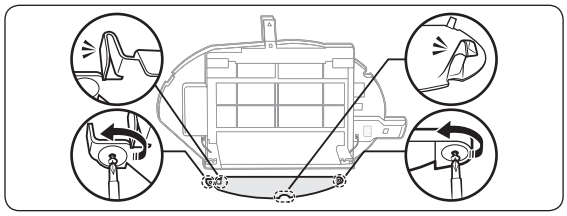


⚠ CAUTION

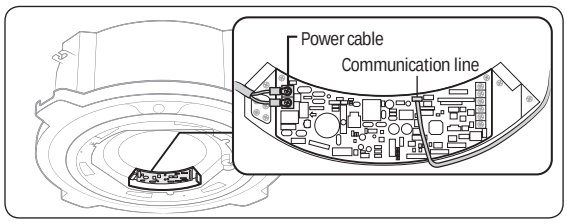
- Make sure the hooks on the air purification kit have been fastened properly.



5 Remove the protective cover.



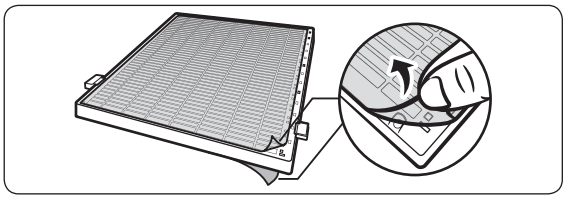
6 Connect the power and communication lines, and then fix the wiring as shown in the figure. Next, attach the electrical system unit cover and then the protective cover.



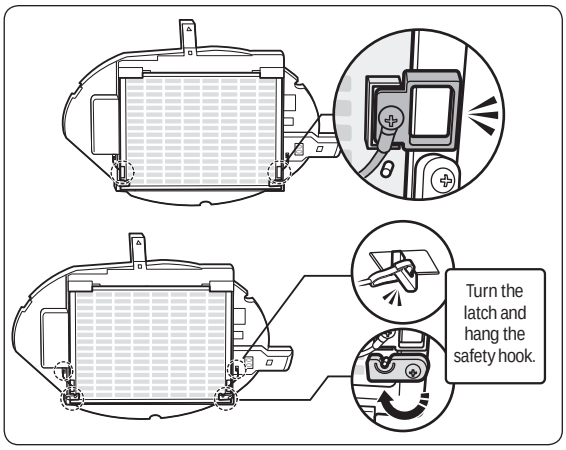
⚠ CAUTION

- If installing the AM********** model, make sure the two power lines, going into the indoor unit, are fastened using a single compressed ring terminal.

7 Remove the protective tape on the filter.



8 Assemble the purification filter.



NOTE

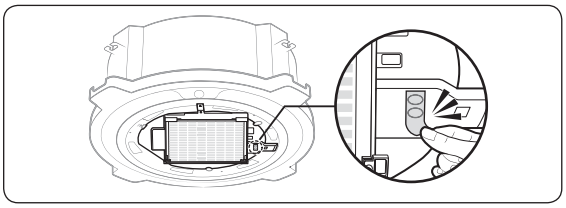
- Push the purification filter inside and turn both latches until a click sound is audible.

⚠ CAUTION

- If the purification filter is not secured properly, noise may occur.

Installing the 360 CST purification panel

9 Remove the protective tape covering the dust sensor inlet on the air purification kit.

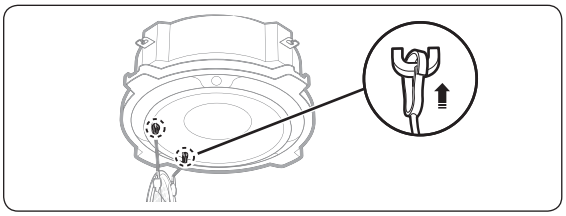


⚠ CAUTION

- After installation, be sure to check that the protective film is removed.
  - Remove the protective tape attached on the purification filter.
  - Remove the protective tape for blocking the panel dust sensor inlet.
- If the protective tape is not removed, the purification filter may not operate.

Installing the grille

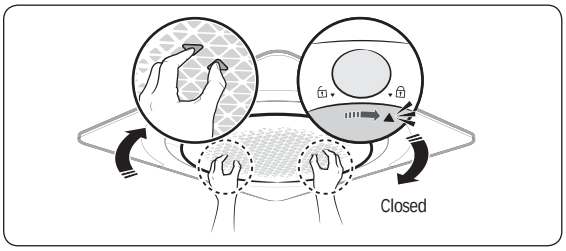
1 Make sure you connect the (two) wires on the grille to the clip wires on the indoor unit.



NOTE

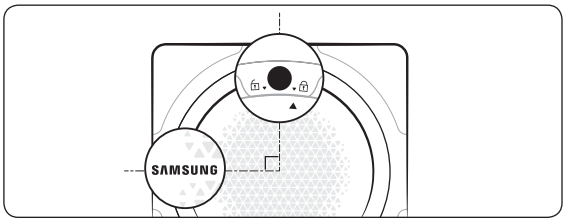
- Before installing the grille, make sure you connect the (two) safety rings to both ends of the grille to prevent it from falling.

2 Attach the grille by turning it clockwise until a 'click' sound is audible.



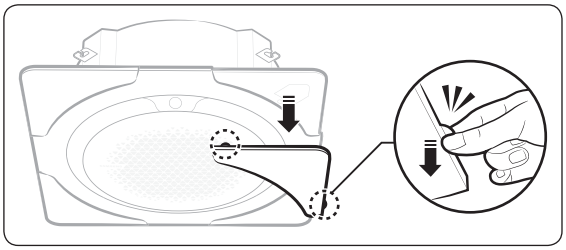
NOTE

- If the grille is installed correctly, the indicator on the indoor unit is at a 90 degree angle with the Samsung logo on the grille and the triangle next to the lock engraved on the indoor unit is aligned with the triangle on the grille.
- The grille cannot be assembled in other directions.



Installing the panel front for the ceiling type

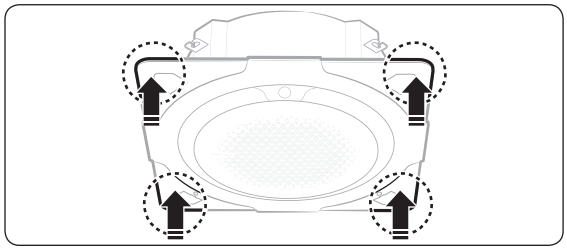
1 Remove the four cover panels from the panel front.



NOTE

- To remove the cover panels, use the two tongues at the ends of each cover panel.

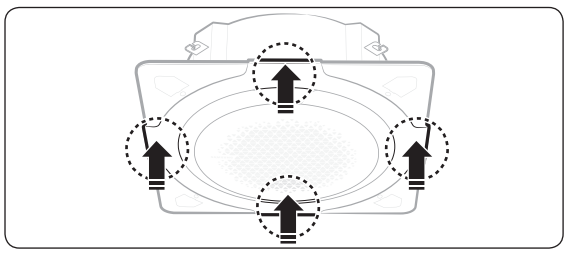
2 Push the four corners of the panel front toward the indoor unit body one at a time until you hear “click” so that they are assembled in place.



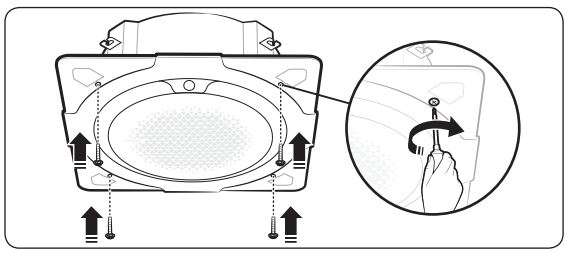
NOTE

- After assembling the panel front in place, you can slightly adjust its position left and right. If required, adjust the position of the panel front so that it aligns with the ceiling opening.

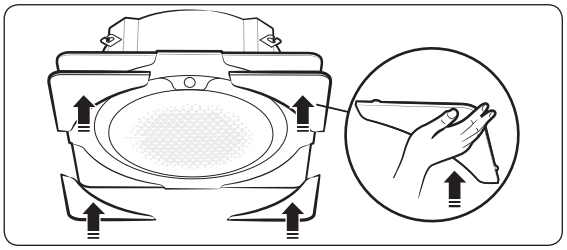
3 Push the centres of the four sides of the panel front toward the indoor unit body one at a time until you hear “click” so that they are hooked in place.



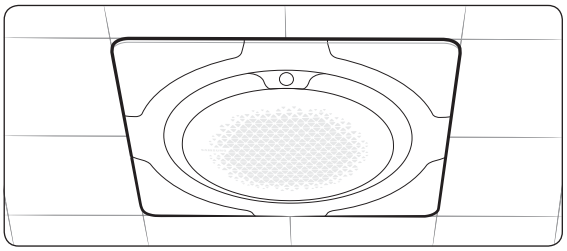
4 Insert halfway the four screws into the four holes on the panel front. Then fasten the screws tightly until there is no gap between the ceiling and the panel front.



5 Place each cover panel on a corner of the panel front. Then push the cover panel upward until it is firmly assembled to the panel front.



6 Check whether the panel front is firmly fixed to the indoor unit body.



NOTE

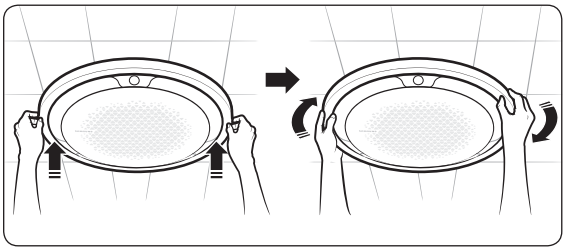
- Make sure that the screws are fastened tightly until there is no gap between the ceiling and the panel.
- If the panel is installed incorrectly, air may leak out.

Installing the 360 CST purification panel

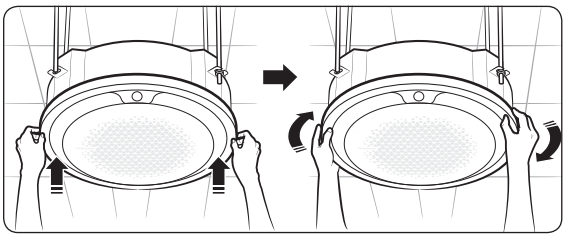
Installing the circular panel on the indoor unit

1 Insert the decoration panel the indoor unit body. Then rotate the decoration panel clockwise until it is assembled firmly.

- Ceiling type



- Open type



NOTE

- Make sure that the decoration panel is installed correctly so that there is no gap between the ceiling and the panel.
- If the panel is installed incorrectly, air may leak out.

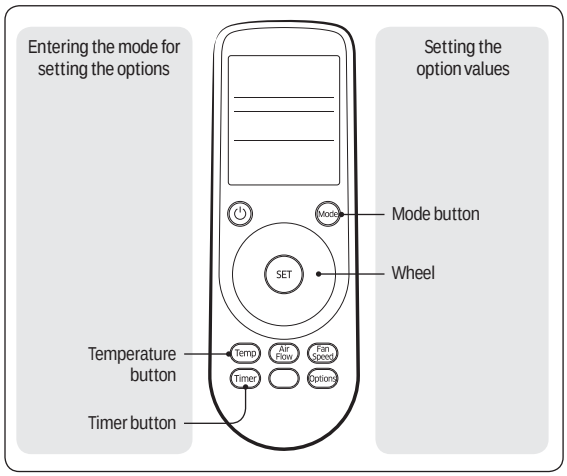
⚠ CAUTION

- Make sure to only apply paints and varnishes for resins (ABS, HIPS) or paint thinners.
  If you apply lacquers for general use on the panel, it may lead to discoloration or erosion on the surface of the panel.

Setting the indoor unit address and setup options

Common steps for setting the addresses and options

AR-KH0** remote control (for 360 cassette only)



NOTE

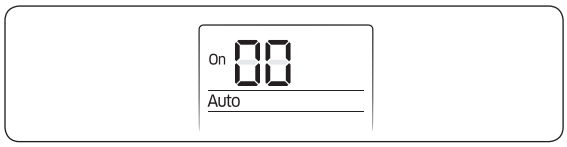
- The remote control display may vary depending on the model.

1 Enter the mode for setting the options:

   a Remove the batteries from the remote control.

   b While holding down the (Temp) (Temp) and (Timer) (Timer) buttons simultaneously, insert the batteries into the remote control.

   c Make sure that you are entered to the mode for setting the options:

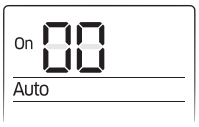
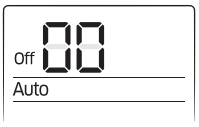


2 Set the option values.

⚠ CAUTION

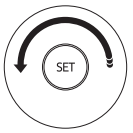
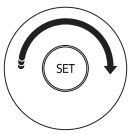
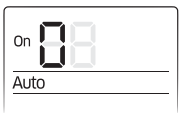
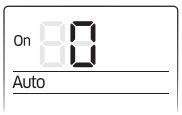
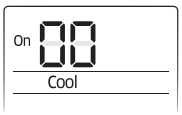
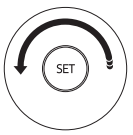
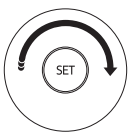
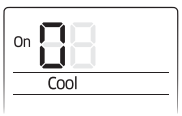
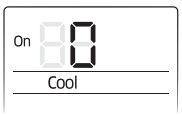
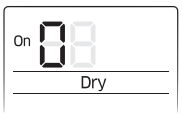
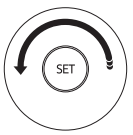
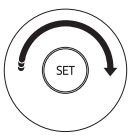
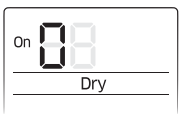
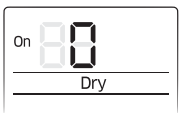
- The total number of available options are 24: SEG1 to SEG24.
- Because SEG1, SEG7, SEG13, and SEG19 are the page options used by the previous remote control models, the modes to set values for these options are skipped automatically.
- Set a 2-digit value for each option pair in the following order: SEG2 and SEG3 → SEG4 and SEG5 → SEG6 and SEG8 → SEG9 and SEG10 → SEG11 and SEG12 → SEG14 and SEG15 → SEG16 and SEG17 → SEG18 and SEG20 → SEG21 and SEG22 → SEG23 and SEG24

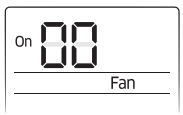
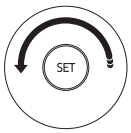
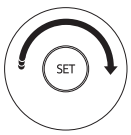
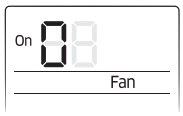
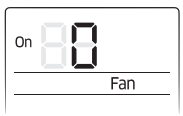
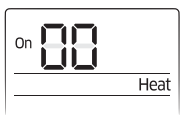
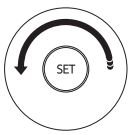
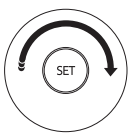
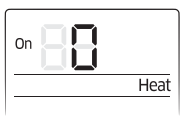
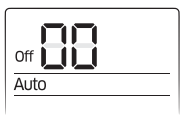
SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	X	X	X	X	X
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	X	X	X	X	X
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	X	X	X	X	X

On (SEG1 to SEG12)	Off (SEG13 to SEG24)
	

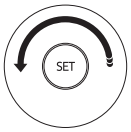
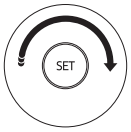
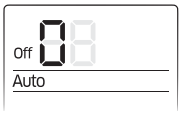
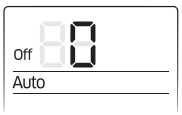
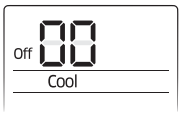
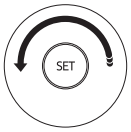
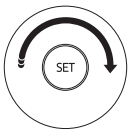
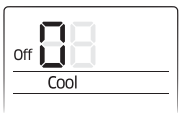
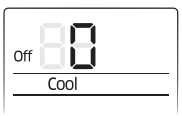
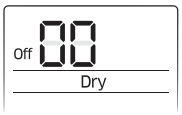
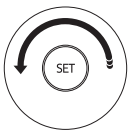
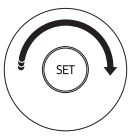
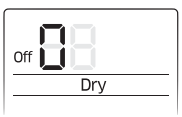
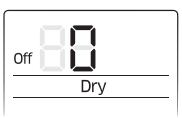
Setting the indoor unit address and setup options

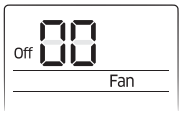
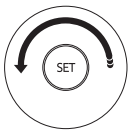
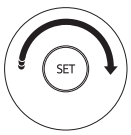
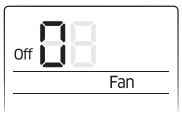
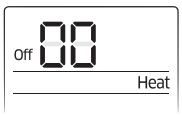
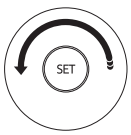
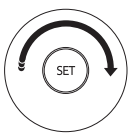
Take the steps presented in the following table:

Steps	Remote control display
1 Set the SEG2 and SEG3 values: a Set the SEG2 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG3 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG2  SEG3
2 Press the Mode (Mode) button. Cool and On appear on the remote control display.	
3 Set the SEG4 and SEG5 values: a Set the SEG4 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG5 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG4  SEG5
4 Press the Mode (Mode) button. Dry and On appear on the remote control display.	
5 Set the SEG6 and SEG8 values: a Set the SEG6 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG8 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG6  SEG8

Steps	Remote control display
6 Press the (Mode) button. Fan and On appear on the remote control display.	
7 Set the SEG9 and SEG10 values: a Set the SEG9 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG10 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG9  SEG10
8 Press the (Mode) button. Heat and On appear on the remote control display.	
9 Set the SEG11 and SEG12 values: a Set the SEG11 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG12 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG11  SEG12
10 Press the (Mode) button. Auto and Off appear on the remote control display.	

Setting the indoor unit address and setup options

Steps	Remote control display
11 Set the SEG14 and SEG15 values: a Set the SEG14 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG15 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG14  SEG15
12 Press the Mode (Mode) button. Cool and Off appear on the remote control display.	
13 Set the SEG16 and SEG17 values: a Set the SEG16 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG17 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG16  SEG17
14 Press the Mode (Mode) button. Dry and Off appear on the remote control display.	
15 Set the SEG18 and SEG20 values: a Set the SEG18 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG20 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG18  SEG20

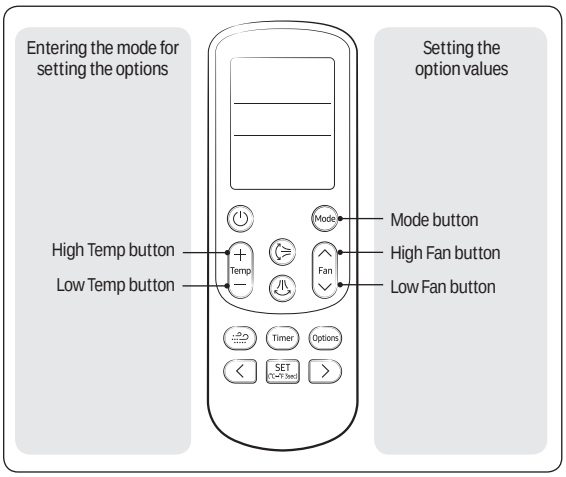
Steps	Remote control display
16 Press the (Mode) button. Fan and Off appear on the remote control display.	
17 Set the SEG21 and SEG22 values: a Set the SEG21 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG22 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG21 SEG22
18 Press the (Mode) button. Heat and Off appear on the remote control display.	
19 Set the SEG23 and SEG24 values: a Set the SEG21 value by rotating the Wheel counterclockwise until the value you want to set appears on the remote control display.  b Set the SEG22 value by rotating the Wheel clockwise until the value you want to set appears on the remote control display.  When you rotate the Wheel, values appear in the following order: 0 → 1 → ··· E → F	 SEG23 SEG24

Setting the indoor unit address and setup options

Set the indoor unit's address and installation options with the remote control. The address and indoor unit settings cannot be configured at the same time so be sure to set the options individually.

If both settings are required, enter the settings twice.

Common steps for setting the addresses and options



NOTE

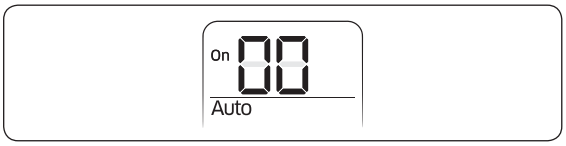
- The remote control display and buttons may vary depending on the model.

1 Enter the mode for setting the options:

   a Remove the batteries from the remote control, and then insert them again.

   b While holding down the (High Temp) and (Low Temp) buttons simultaneously, insert the batteries into the remote control.

   c Make sure that you are entered to the mode for setting the options:



2 Set the option values.

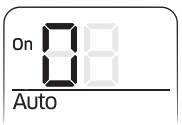
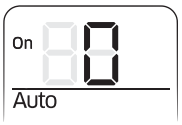
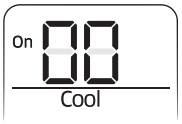
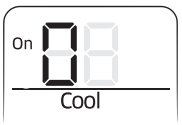
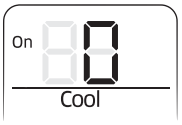
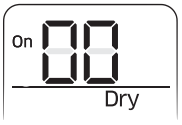
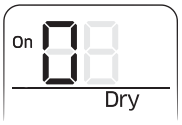
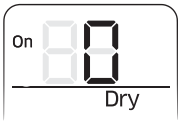
⚠ CAUTION

- The total number of available options are 24: SEG1 to SEG24.
- Because SEG1, SEG7, SEG13, and SEG19 are the page options used by the previous remote control models, the modes to set values for these options are skipped automatically.
- Set a 2-digit value for each option pair in the following order: SEG2 and SEG3 → SEG4 and SEG5 → SEG6 and SEG8 → SEG9 and SEG10 → SEG11 and SEG12 → SEG14 and SEG15 → SEG16 and SEG17 → SEG18 and SEG20 → SEG21 and SEG22 → SEG23 and SEG24

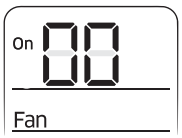
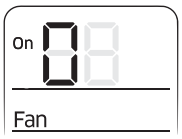
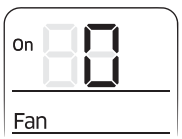
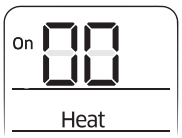
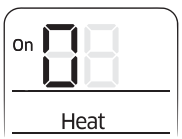
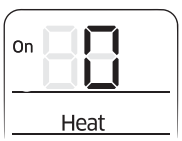
SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	X	X	X	X	X
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	X	X	X	X	X
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	X	X	X	X	X

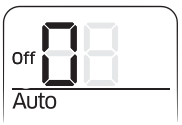
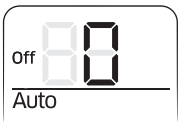
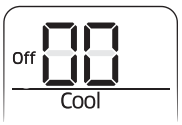
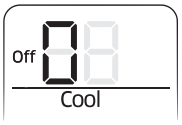
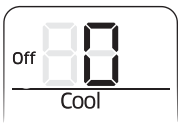
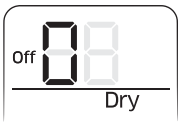
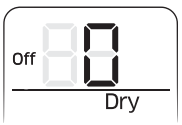
On (SEG1 to SEG12)	Off (SEG13 to SEG24)

Take the steps presented in the following table:

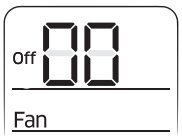
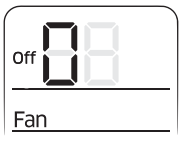
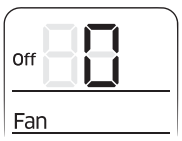
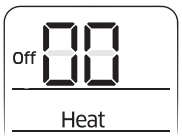
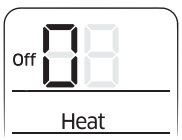
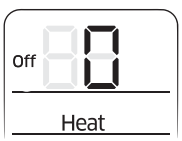
Steps	Remote control display
1 Set the SEG2 and SEG3 values: a Set the SEG2 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG2
b Set the SEG3 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG3
2 Press the (Mode) button. Cool and On appear on the remote control display.	
3 Set the SEG4 and SEG5 values: a Set the SEG4 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG4
b Set the SEG5 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG5
4 Press the (Mode) button. Dry and On appear on the remote control display.	
5 Set the SEG6 and SEG8 values: a Set the SEG6 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG6
b Set the SEG8 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG8

Setting the indoor unit address and setup options

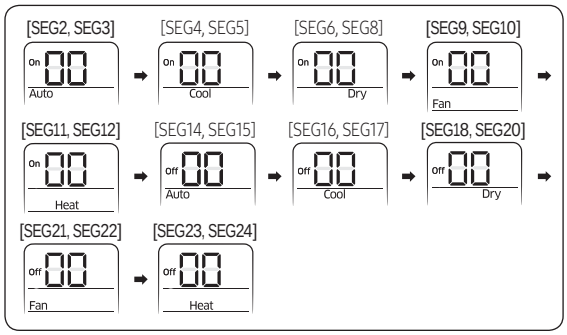
Steps	Remote control display
6 Press the (Mode) button. Fan and On appear on the remote control display.	
7 Set the SEG9 and SEG10 values: a Set the SEG9 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display. b Set the SEG10 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG9  SEG10
8 Press the (Mode) button. Heat and On appear on the remote control display.	
9 Set the SEG11 and SEG12 values: a Set the SEG11 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display. b Set the SEG12 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG11  SEG12
10 Press the (Mode) button. Auto and Off appear on the remote control display.	

Steps	Remote control display
11 Set the SEG14 and SEG15 values: a Set the SEG11 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG14
b Set the SEG15 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG15
12 Press the (Mode) button. Cool and Off appear on the remote control display.	
13 Set the SEG16 and SEG17 values: a Set the SEG16 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG16
b Set the SEG17 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG17
14 Press the (Mode) button. Dry and Off appear on the remote control display.	
15 Set the SEG18 and SEG20 values: a Set the SEG18 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG18
b Set the SEG20 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG20

Setting the indoor unit address and setup options

Steps	Remote control display
16 Press the (Mode) button. Fan and Off appear on the remote control display.	
17 Set the SEG21 and SEG22 values: a Set the SEG21 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG21
b Set the SEG22 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG22
18 Press the (Mode) button. Heat and Off appear on the remote control display.	
19 Set the SEG23 and SEG24 values: a Set the SEG23 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG23
b Set the SEG24 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG24

3 Check whether the option values that you have set are correct by pressing the (Mode) button repeatedly.



4 Save the option values into the indoor unit:
Point the remote control to the remote control sensor on the indoor unit and then press the (Power) button on the remote control twice. Make sure that this command is received by the indoor unit. When it is successfully received, you can hear a short sound from the indoor unit. If the command is not received, press the (Power) button again.

5 Check whether the air conditioner operates in accordance with the option values you have set:

a Reset the indoor unit by disconnecting and then reconnecting the power cable of the indoor unit or by pressing the RESET button on the outdoor unit.

b Remove the batteries from the remote control, insert them again, and then press the (Power) button on the remote control.

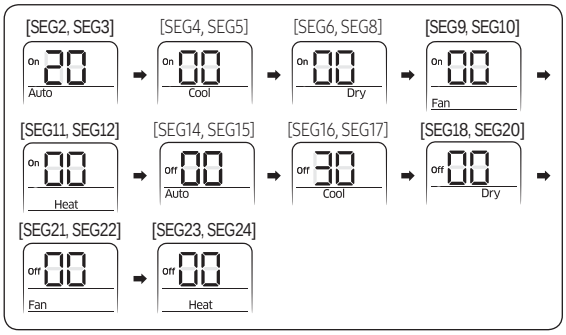
Setting the purification enabling option

1 Check if power is supplied to the indoor unit.
- If the power supply is not connected, a separate power supply is required.

2 The panel or display on which the options can be entered, must be connected to the indoor unit.

3 Set the indoor unit's installation options according to the installation conditions.
- The default installation options of the indoor unit are as follows.
  - AC*** model: 020000-100001-200000-300000
  - AM*** model: 020010-100000-200000-300000
- If you set numbers that cannot be allowed for each SEG, the default settings are returned.
- The setting "RESERVED" is ignored.
- For the purification function, change the value of SEG 16 to 3 for installation options.
  - The setting of the purification enabling option is "020000-100001-200300-300000" (AC*** model) and "020010-100000-200300-300000" (AM*** model).

Example (AM*** model)



Setting the product options for each indoor unit

To set the setup options, refer to a separate sheet that includes option codes for each indoor unit's model.

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