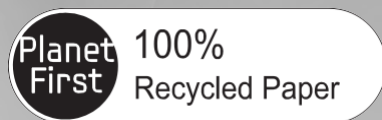




AR□□HSFS□□Series
AR□□HSSD□□Series

Air Conditioner user & installation manual



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This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received,
including interference that may cause undesired operation.

Caution: Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.





Features of your new air conditioner

2-step cooling

2-step cooling function will quickly cool the room to reach the desired temperature and then it will adjust the fan speed and air flow direction automatically to help you stay comfortable and refreshing.

Fast cooling/heating

If you want the strong and cool/warm air, just select Fast function! It will get you the strongest air!

Comfort cooling/heating

If you want the comfortable and refreshing air, Comfort function will spread the cool/warm air indirectly to you, so that you can stay comfortable.

Single User

Use Single User function when you are alone at home. Single User function will minimize the energy consumption with inverter technology and reduce your electricity bill by adjusting the maximum operating capacity of the compressor.

Easy Filter

There is no grille to remove before separating the filter from the air conditioner! Therefore, filter can be cleaned easily, more frequently! Frequent filter cleaning will prevent dust from entering into the product or accumulating on the filter.

good'sleep function

good'sleep function will allow you to have deep, good night's sleep by adjusting the temperature, fan speed and air flow direction.

Smart Install

When the installation is done, your product will examine itself through trial operation to check if it was installed properly.

Easy Installation

It's so easy to install! You can easily hang the product on the wall and connect the pipes and wires by opening the cover on the bottom of the product. Now you won't have to tilt the product to connect the pipe and the wires!



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Safety precautions

Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at www.samsung.com.

Important safety symbols and precautions:

 WARNING	Hazards or unsafe practices that may result in severe personal injury or death.		
 CAUTION	Hazards or unsafe practices that may result in minor personal injury or property damage.		
	Follow directions.		Cut-off the power supply.
	Do NOT attempt.		Do NOT disassemble.
	Make sure the machine is grounded to prevent electric shock.		

FOR INSTALLATION

WARNING

-  **Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.**

- ▶ Extending the power line may result in electric shock or fire.
- ▶ Do not use an electric transformer. It may result in electric shock or fire.
- ▶ If the voltage/frequency/rated current condition is different, it may cause fire.

The installation of this appliance must be performed by a qualified technician or service company.

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury and may also void warranty on the installed product.

Install a Isolation Switch next to the Air Conditioner (but not on the panels of the Air Conditioner) and circuit breaker dedicated to the air conditioner.

- ▶ Failing to do so may result in electric shock or fire.

Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product.





- ⊘ **Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.**
 - ▶ This may result in electric shock or fire.**Never install the outdoor unit in a location such as on a high external wall where it could fall.**
 - ▶ If the outdoor unit falls, it may result in injury, death or property damage.
- ⚠ **This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.**
 - ▶ Failure to do so may result in electric shock, fire, and explosion.
 - ▶ Make sure to use a socket-outlet with ground.

FOR INSTALLATION | ⚠ CAUTION

- ⓘ **Install your appliance on a level and hard floor that can support its weight.**
 - ▶ Failing to do so may result in abnormal vibrations, noise, or problems with the product.**Install the draining hose properly so that water is drained correctly.**
 - ▶ Failing to do so may result in water overflowing and property damage. Avoid adding drain to waste pipes as odours may arise in the future.**When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.**
 - ▶ The water generated during the heating operation by the outdoor unit may overflow and result in property damage.
In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

FOR POWER SUPPLY | ⚠ WARNING

- ⓘ **When the circuit breaker is damaged, contact your nearest service center.**
- ⊘ **Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object, place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.**
 - ▶ This may result in electric shock or fire.



Safety precautions

FOR POWER SUPPLY | ⚠ CAUTION

- ⚡ **When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.**
 - ▶ Failing to do so may result in electric shock or fire.

FOR USING | ⚠ WARNING

- ❗ **If the appliance is flooded, please contact your nearest service center.**
 - ▶ Failing to do so may result in electric shock or fire.**If the appliance generates a strange noise, a burning smell or smoke, cut-off the power supply immediately and contact the nearest service center.**
 - ▶ Failing to do so may result in electric shock or fire.**In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.**
 - ▶ Do not use a ventilating fan.
 - ▶ A spark may result in an explosion or fire.**To reinstall the air conditioner, please contact your nearest service center.**
 - ▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.
 - ▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.
 - ▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.
- ⊘ **Do not touch the circuit breaker with wet hands.**
 - ▶ This may result in electric shock.**Do not turn the air conditioner off with the circuit breaker while it is operating.**
 - ▶ Turning the air conditioner off and then on again with the circuit breaker may cause a spark and result in electric shock or fire.**After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.**
 - ▶ If a child places a bag over its head, it may result in suffocation.



- ⊘ **Do not insert your fingers or foreign substances into the outlet when the air conditioner is operating.**
 - ▶ Take special care that children do not injure themselves by inserting their fingers into the product.
- Do not touch the air flow blade with your hands or fingers during the heating operation.**
 - ▶ This may result in electric shock or burns.
- Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.**
 - ▶ Take special care that children do not injure themselves by inserting their fingers into the product.
- Do not strike or pull the air conditioner with excessive force.**
 - ▶ This may result in fire, injury, or problems with the product.

FOR USING

⚠ WARNING

- ⊘ **Do not place an object near the outdoor unit that allows children to climb onto the machine.**
 - ▶ This may result in children seriously injuring themselves.
- Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.**
 - ▶ Since this may be dangerous due to a lack of oxygen, Open a window at least once an hour.
- ⊘ **If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service center.**
 - ▶ Failing to do so may result in electric shock or fire.
- ⊘ **Do not attempt to repair, disassemble, or modify the appliance yourself.**
 - ▶ Do not use any fuse (such as cooper, steel wire, etc.) other than the standard fuse.
 - ▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.



Safety precautions

FOR USING

⚠ CAUTION

- ❗ **Do not place objects or devices under the indoor unit.**
 - ▶ Water dripping from the indoor unit may result in fire or property damage. (example electrical appliances)**Check that the installation frame of the outdoor unit is not broken at least once a year.**
 - ▶ Failing to do so may result in injury, death or property damage.**Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.**
- ⊘ **Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.**
 - ▶ This may result in electric shock, fire, problems with the product, or injury.**Do not operate the appliance with wet hands.**
 - ▶ This may result in electric shock.**Do not spray volatile material such as insecticide onto the surface of the appliance.**
 - ▶ As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.**Do not drink the water from the air conditioner.**
 - ▶ The water may be harmful to humans.**Do not apply a strong impact to the remote controller and do not disassemble the remote controller.****Do not touch the pipes connected with the product.**
 - ▶ This may result in burns or injury.**Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.**
 - ▶ This may result in property damage.**Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.**
 - ▶ This may result in harm to humans, animals or plants.



- ⊘ This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

FOR CLEANING | ⚠ WARNING

- ⊘ Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner or alcohol to clean the appliance.
 - ▶ This may result in discoloration, deformation, damage, electric shock or fire.**Before cleaning or performing maintenance, cut-off the power supply and wait until the fan stops.**
 - ▶ Failing to do so may result in electric shock or fire.

FOR CLEANING | ⚠ CAUTION

- ⓘ Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.
 - ▶ This should be done by a qualified technician please contact your installer or service center.
- ⊘ Do not clean the inside of the air conditioner by yourself.
 - ▶ For cleaning inside the appliance, contact your nearest service center.
 - ▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning the air conditioner' section.
 - ▶ Failure to do may result in damage, electric shock or fire.

⚠ State of California Proposition 65 Warning (US only)
WARNING ▶ This product contains chemicals known to the State of California to cause cancer and reproductive toxicity.



Checking before use

Operation ranges

The table below indicates the temperature and humidity ranges the air conditioner can be operated within. Refer to the table for efficient use.

Mode	Indoor temperature	Outdoor temperature	Indoor humidity
Cooling	61°F~90°F (16°C~32°C)	14°F~115°F (- 10°C~46°C)	Relative humidity 80% or less
Heating	81°F(27°C) or less	5°F~76°F (-15°C~24°C)	-
Dry	65°F~90°F (18°C~32°C)	14°F~115°F (- 10°C~46°C)	-

- ▶ If the air conditioner operates in cooling mode for long period of time in high humidity area, dew may be formed.
- ▶ If the outdoor temperature goes down to 23°F(-5°C), heating capacity may decrease as much as 60%~70% of specified capacity according to the using conditions.

Maintaining your air conditioner

Internal protections via the unit control system

- ▶ This internal protection operates if an internal fault occurs in the air conditioner.

Type	Description
Against cold air	The internal fan will be off to prevent cold air when the heat pump is heating.
Defrost cycle	The internal fan will be off to defrost ice when the heat pump is heating. Vertical air flow blade will be closed during defrost cycle and it will open again during heating operation after defrost cycle.
Protect compressor	The air conditioner does not start operating immediately to help protect the compressor of the outdoor unit after it has been started.



- If the heat pump is operating in Heat mode, defrost cycle is actuated to help remove frost from an outdoor unit that may have deposited at low temperatures.
The internal fan is switched off automatically and restarted only after the defrost cycle is completed.





Smart install

- ▶ Through Smart install function, installer can check if the installation was done properly.
- ▶ If the installation was not done properly, error indicator will turn on the indoor unit display. Therefore user will know if the installation was done properly or not.

Checking the power consumption

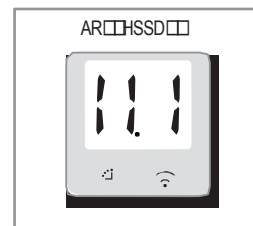
This function will display the amount of electricity consumed by operating the air conditioner.

(You have to use the remote controller to check the power consumption but it will not be displayed on the remote controller display.)

Press the 2ndF button and then press the Usage button on the remote controller while the air conditioner is operating.

When the air conditioner is not in use, power consumption will not be displayed on the indoor unit display even if you press the 2ndF Usage button.

- ▶ Indoor unit will display the amount of Power consumption for few seconds and then return to usual status by displaying the indoor temperature.
- ▶ Power consumption will be calculated from the moment the air conditioner is turned on and calculated value will be reset when the air conditioner turns off.
- ▶ 0.1 is the default value of the electricity consumption and 99 is the maximum value. Unit is in kWh.

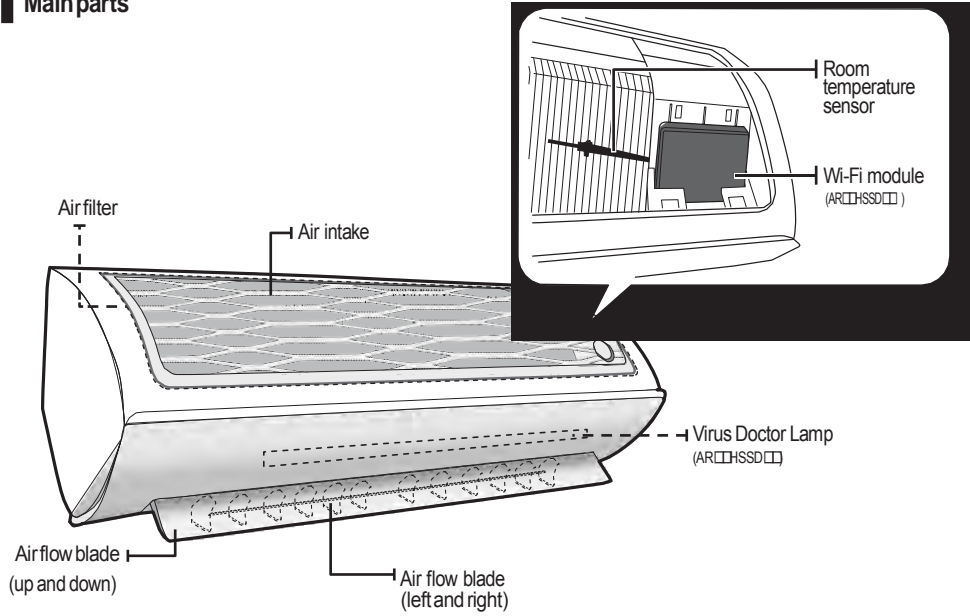




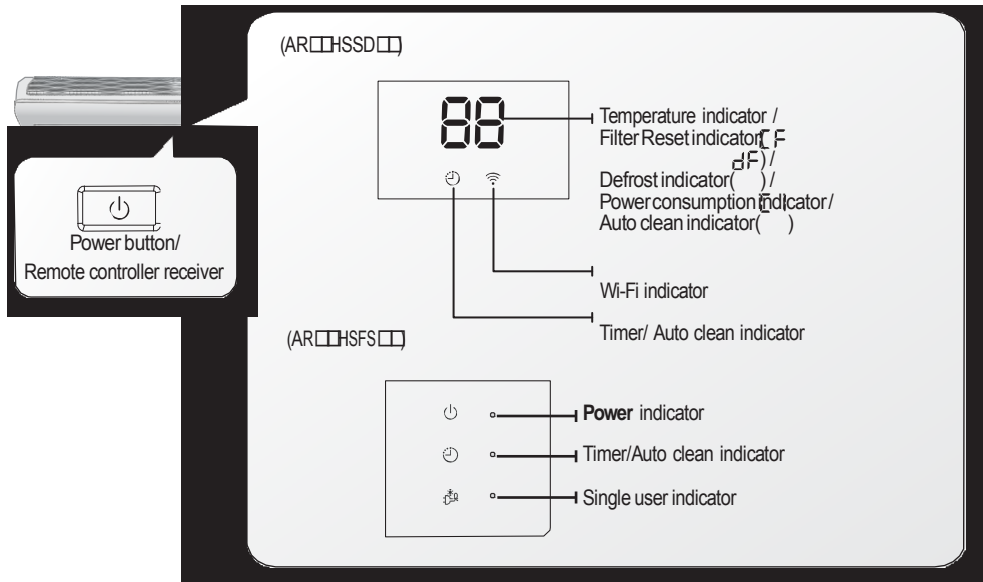
Checking the name of the parts

Your air conditioner may slightly look different from illustration shown below depending on your model.


Mainparts



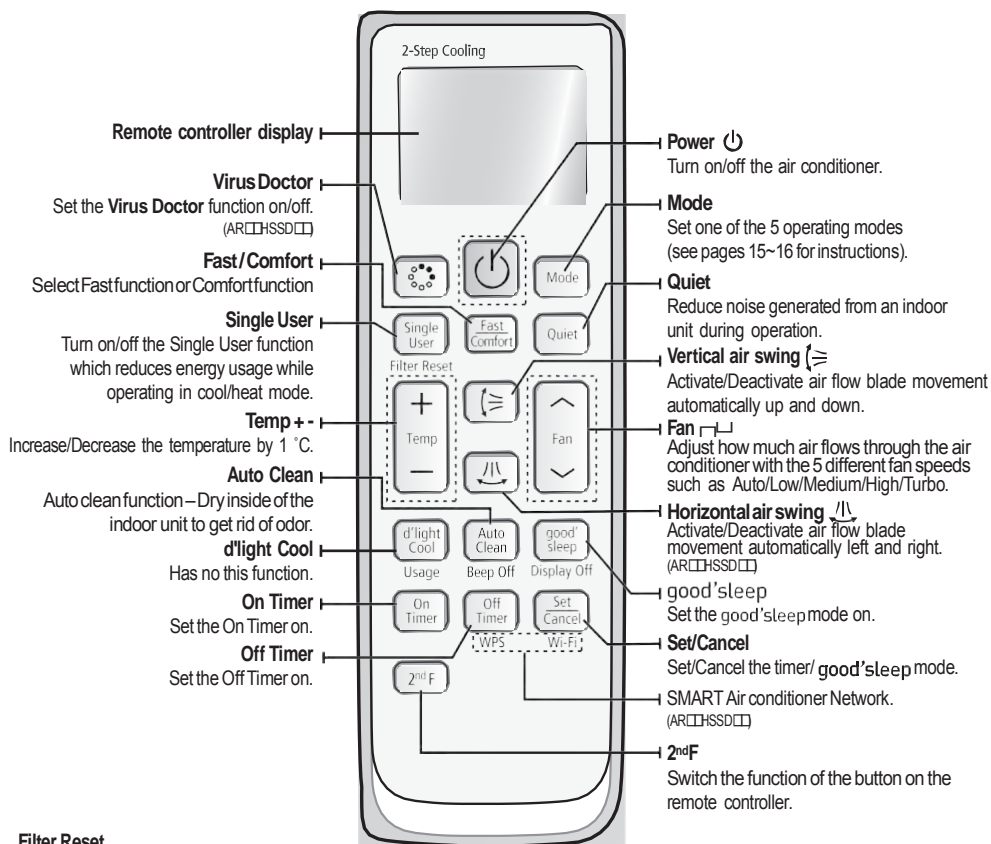
Display



Checking the remote controller

- Point the remote controller towards the remote controller receiver of the indoor unit.
- When you properly press the button on the remote controller, you will hear beep sound from the indoor unit and a transmit indicator() appears on the remote controller display.

Remote controller buttons



Filter Reset

Reset the Filter Clean reminder

Usage (AR□□HSSD□□)

Display the amount of power consumption for few seconds on the indoor unit display.

Beep off

To silence the beep sound when pressing the button.

Display off (AR□□HSSD□□)

To turn off the display light



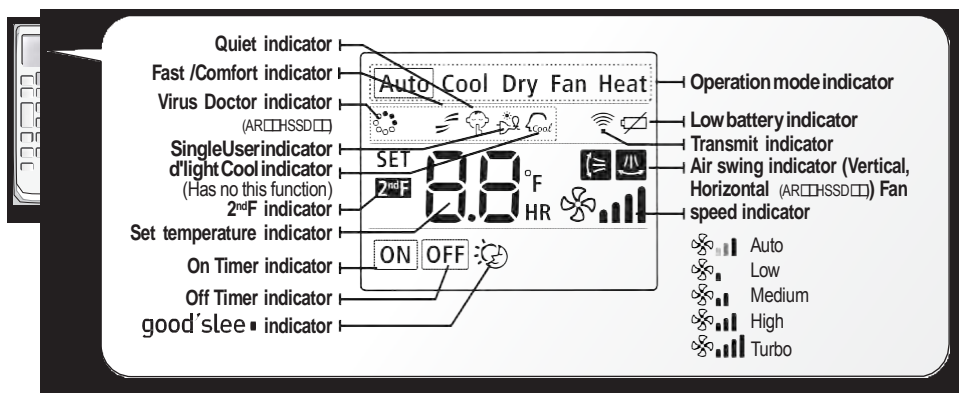
- When you press **2ndF** button, the **2ndF** indicator will be displayed on the remote controller and you can change the functions on the remote controller as listed below.

Single User ▶ Filter Reset, d'light Cool ▶ Usage, Auto Clean ▶ Beep Off, good'sleep ▶ Display Off function.

If you select the function under the button while the function of the button is switched by **2ndF** button, the **2ndF** function is canceled.

Checking the remote controller

Remote controller display



• Make sure that the water does not get to the remote controller.

Battery changing time

When the battery is exhausted, (🔋) will be displayed in the remote controller display. When the icon appears, change the batteries. The remote controller requires two 1.5 V AAA type batteries.

Storing the remote controller

When you do not use the remote controller for long time, remove the batteries from the remote controller and store it.

Inserting the batteries



1. Push the lever as arrow indicates on the rear side of the remote controller and pull up.



2. Insert two AAA batteries. Check and match the "+" and "-" signs accordingly. Make sure you have inserted the batteries in correct position.



3. Close the cover by place it back to its original position. You should hear click sound when the cover is locked properly.



• The signal may not be received well of electronic lighting style fluorescent lamps such as inverter fluorescent lamps are in the same space.
• If other electrical products operate by the remote controller, call your nearest contact center.



Basic function

Basic operation is an operation mode that can be selected by pressing the **Mode** button.


Auto(2-Step Cooling or Heat)

In Auto mode, the air conditioner will automatically set the temperature and fan speed depending on the room temperature detected by the room temperature sensor.

- 2-Step Cooling mode sets the air conditioner to operate in Fast + Cool mode when set temperature is lower than indoor temperature, and then the air conditioner will automatically operate in Dry mode when indoor temperature reaches set temperature.

Cool

In Cool mode, the air conditioner will cool your room. You can adjust the temperature and the fan speed to feel cooler in hot season.

- If current outside temperature is much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness.
- Quiet mode() makes the noise quieter during the operation of the indoor unit in the Cool mode.

Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. Dry mode makes the air feel refreshing in a humid climate.


To activate the Dry mode, set temperature **on the remote controller** should be lower than indoor room temperature.

Fan

Fan mode can be selected to circulate your room. Fan mode will be helpful to refresh the stale air in your room.

Heat

The air conditioner heats as well as cools. Warm your room with this versatile appliance in the cold of winter.

- Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.
- Quiet mode() makes the noise quieter during the operation of the indoor unit in the Heat mode.
- Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperature is extremely low.
Use an additional heating appliance in combination with the air conditioner if you feel the air conditioner heats insufficiently.

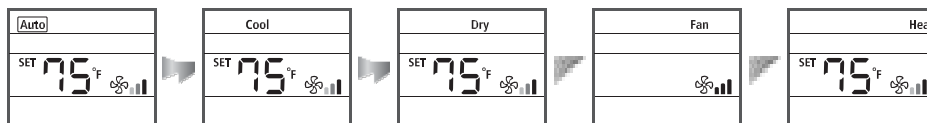
Basic function

Press the  button to turn on the air conditioner.

















Press the  button to set the operating mode.

- Each time you press the **Mode** button, the mode will change in order of Auto, Cool, Dry, Fan and Heat.

When the Auto mode is selected, air conditioner will operate in 2-Step Cooling for cooling condition or in Auto Heat for heating condition.



Press the  button to set the desired fan speed.

Auto(2-Step Cooling or Heat)	 (Auto)
Cool	 (Auto),  (Low),  (Med),  (High),  (Turbo)
Dry	 (Auto)
Fan	 (Low),  (Med),  (High),  (Turbo)
Heat	 (Auto),  (Low),  (Med),  (High),  (Turbo)

Press the  button to adjust the temperature.

Auto(2-Step Cooling or Heat)	You can adjust the desired temperature by 1 °F (1°C) within the range of 61°F~86°F (16°C~30°C).
Cool	You can adjust the desired temperature by 1 °F (1°C) within the range of 61°F~86°F (16°C~30°C).
Dry	You can adjust the desired temperature by 1 °F (1°C) within the range of 65°F~86°F (18°C~30°C).
Fan	Temperature adjustment is not possible.
Heat	You can adjust the desired temperature by 1 °F (1°C) within the range of 61°F~86°F (16°C~30°C).



- Dry mode is only available in the cooling mode.

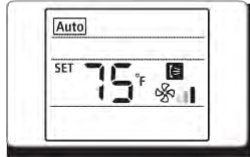


Adjusting the air flow direction

Air flow can be directed to your desired position.

Vertical air flow

Air flow blades move up and down.



Press the **Vertical air swing** button on the remote controller.

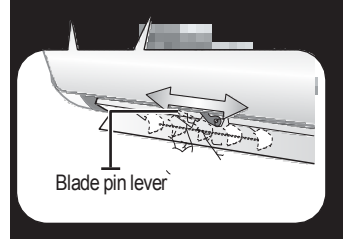
- ▶ Air swing indicator will be on the remote controller display and air flow blades move up and down continuously to circulate the air.
- ▶ Press the **Vertical air swing** button on the remote controller again, to keep the air flow direction in a constant position.
- ▶ If you adjust the vertical air flow blade manually, it may not close completely when you turn off the air conditioner.



- Adjusting the air flow direction is not available in good'sleep mode while it is in cool mode.
- However, you can adjust the air flow direction in good'sleep mode while it is in heat mode.

Horizontal air flow (AR□□HSFS□□)

Make sure one of the blade pin lever that stick out of the air flow blades are not broken.



Move the blade pin lever left or right to keep the air flow direction in a constant position you prefer.



- Be extremely careful with your fingers while adjusting the Horizontal air flow direction. There is a potential risk of personal injury when the unit is mishandled.

Horizontal air flow (AR□□HSSD□□)

Air flow blades move left and right.



Press the **Horizontal air swing** button on the remote controller.

- ▶ Air swing indicator will be on the remote controller display and air flow blades move left and right continuously to circulate the air.
- ▶ Press the **Horizontal air swing** button on the remote controller again, to keep the air flow direction in a constant position.
- ▶ If you adjust the horizontal air flow blade manually, it may not operate normally.

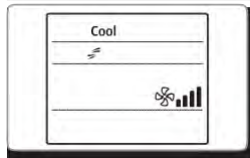
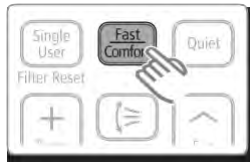


- Adjusting the air flow direction is not available in good'sleep mode while it is in cool mode.
- However, you can adjust the air flow direction in good'sleep mode while it is in heat mode.



Using the Fast function

You can set the Fast function to provide powerful cooling/heating.



Press the Fast/Comfort button on the remote controller once to select Fast function.

- ▶ Fast indicator () appears on the remote controller display and the air conditioner operates in Fast function for 30 minutes.
- ▶ When you select Fast function, your air conditioner will operate more powerfully to quickly cool or warm your room.

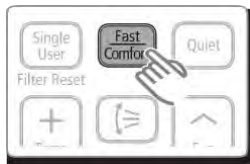
Cancel Press the **Fast/Comfort** button twice when the Fast function is on.



- Fast function is only available in Cool/Heat mode.
- If you press the **Mode** button while the Fast function is on, it will cancel the function.
- Temperature/Fan speed cannot be adjusted when the function is on.
- When you select Fast function in Heat mode, you may not be able to increase fan speed in order to prevent any cool air from blowing.

Using the Comfort function

You can set the Comfort function to provide mild cooling/heating.



Press the Fast/Comfort button on the remote controller twice to select Comfort function.

- ▶ Comfort indicator () appears on the remote controller display.
- ▶ When you select Comfort function, your air conditioner will operate mildly to provide you comfort cooling/heating.

Cancel Press the **Fast/Comfort** button once when the Comfort function is on.



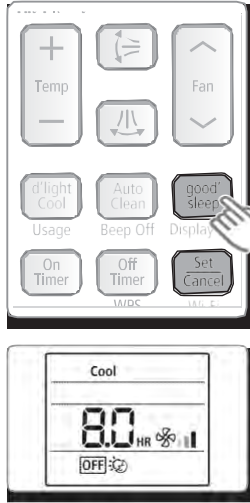
- Comfort function is only available in Cool/Heat mode.
- If you press the **Mode** button while the Comfort function is on, it will cancel the function.
- You can adjust the temperature but fan speed cannot be adjusted when the function is on.



good'sleep mode

For a comfortable sleep, the air conditioner will operate it Fall asleep > Sound sleep > Wake up from good'sleep mode.

When the air conditioner is on and in cool/heat mode



1. Press the good'sleep button on the remote controller.
 - ▶ indicator appears and Off timer indicator starts blinking on the remote controller display.
2. Press the good'sleep button to set the time.
 - ▶ You can set the time in half hourly unit from 30 minutes ~ 3 hours and hour unit from 3 hours ~ 12 hours.
 - ▶ Operating hour can be set from minimum 30 minutes to maximum 12 hours.
 - ▶ Default operation hour is set to 8 hours.
3. Press the Set/Cancel button to activate it.
 - ▶ Off timer indicator stops blinking and reserved time will be displayed for 3 seconds. Then the air conditioner operates in good'sleep mode.
 - ▶ If you don't press Set/Cancel button within 10 seconds after pressing the button, good'sleep the air conditioner will return to previous status. Check Off timer indicator on the remote controller display and indicator on the indoor unit.

Cancel Press the Set/Cancel button once again.

	You can set the desired temperature by 1°F in the range of 61°F~86°F(16°C~30°C).
	Fan speed will be adjusted automatically according to the good'sleep mode. However, If you select good'sleep mode while heating operation is on, you can adjust fan speed.
	When the good'sleep mode is on. In Cool mode : Air flow direction will be adjusted automatically. In Heat mode : Adjusting air flow direction is available.

Temperature and fan speed change in good'sleep mode

- Fall asleep: Eases you into sleep by dropping the temperature.
- Sound sleep: Relaxes your body and raises your temperature slightly.
- Wake up from good'sleep mode: Allows you to wake up from comfortable intermittent air and it makes you feel refreshed.



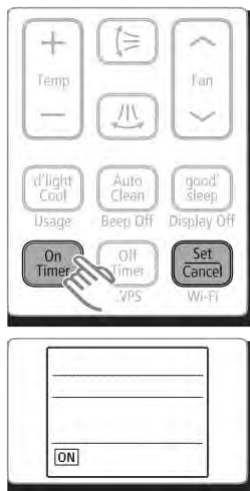
- Set Off timer in good'sleep mode over 5 hours. You fell disturbed sleep if the good'sleep is set too short or long because the default is set to 8-hour-operation.
- If the good'sleep mode is set less than 4 hours, the operation will stop at the same time.
If the good'sleep mode is set over 5 hours, it will run as Wake up stage from the last one hour before it stops.
- Recommended set temperature is between 77°F~81°F (25°C~27°C) for cooling and 70°F~73°F (21°C~23°C) for heating.


Setting the On/Off timer

You can set the air conditioner to turn on/off automatically at desired time.

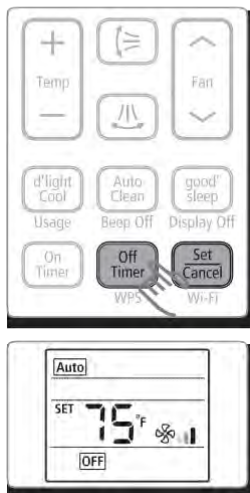
Setting On timer while the air conditioner is off / Off timer while the air conditioner is on

Setting On timer





1. Press the **On Timer** or **Off Timer** button to set the time.
 - ▶ On/Off timer indicator will blink on the remote controller display.
 - ▶ You can set the time in half hourly unit from 30 minutes ~ 3 hours and hour unit from 3 hours ~ 24 hours.
 - ▶ Operating hour can be set from minimum 30 minutes to maximum 24 hours.
2. Press the **Set/Cancel** button to activate it on.
 - ▶ On timer indicator stops blinking and reserved time will be displayed for 3 seconds.
 - ▶ If you don't press **Set/Cancel** button within 10 seconds after selecting the time the air conditioner will return to previous status. Check On timer or Off timer indicator on the remote controller display and  indicator on the indoor unit.

Setting Off timer



Cancel Press the **Set/Cancel** button once again.

Additional options available in On timer mode

	You can select from Auto/Cool/Dry/Fan /Heat.
	You can adjust the temperature in Auto/Cool/Dry /Heat mode.



- Only the latest setting timer will be applied between the On Timer/Off Timer and **good' sleep** Off timer functions.
- After setting the timer, the set time will be displayed for 3 seconds before it disappears.



Combining On Timer and Off Timer

If the air conditioner is on	If the air conditioner is off
<p>Preset time on On timer is longer than Off timer</p> <p>Ex) On timer : 3 hours, Off timer : 1 hour</p> <ul style="list-style-type: none"> - The air conditioner will operate the Off timer after 1 hour from the moment you have set the timer. Your air conditioner will turn on after 2 hours. 	<p>Preset time on On timer is shorter than Off timer</p> <p>Ex) On timer : 3 hours, Off timer : 5 hours</p> <ul style="list-style-type: none"> - The air conditioner will operate On timer after 3 hours from the moment you have set the timer. Your air conditioner will remain on for 2 hours and then turn off automatically.



- NOTE**
- On timer and Off timer setting time should be different from each other.
 - Press the **Set/Cancel** button on the remote controller while timer combination is on. Both of the On and Off timer will be canceled and the indicator will disappear.

Using the Auto Clean function

Auto clean function will minimise the moisture inside of the indoor unit. Activate this function to help provide you with clean air.



(AR □□HSSD □□)



(AR □□HSFS □□)



Press the Auto Clean button.

When the air conditioner is turned off,

- ▶ The Auto clean indicator on the indoor unit display appears and the Auto clean function runs.

When the air conditioner is turned on,

- ▶ After stopping the air conditioner operation, the Auto clean indicator on the indoor unit display appears and the Auto clean function runs.

* Auto Clean time can vary, depending on the previously used mode.

Auto(cool), Cool, Dry mode : approximately 30 minutes.

Auto(heat), Heat, Fan mode : approximately 15 minutes.

Cancel Press the **Auto clean** button once again.



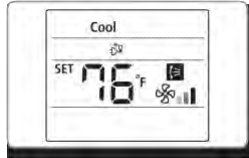
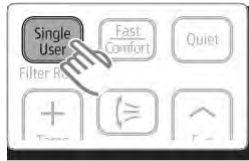
- NOTE**
- During the auto clean function, indoor fan will continue to run and air flow blade will remain open to expel ambient air.





Using the Single User function

This function will reduce the energy usage while the air conditioner is operating in Cool/Heat mode.



Press the **Single User** button on the remote controller while the air conditioner is operating in Cool/Heat mode.

- ▶ "☰ ☱ ☲ ☳" appears on the remote controller display for few seconds and disappears.
- ▶ Single User indicator and air swing indicator (🌀) appear automatically on the remote controller display.
The air flow blades move up and down.
- ▶ If the current set temperature is lower than 76°F(24°C) in Cool mode, it will be automatically raised to 76°F(24°C).

Cancel Press the **Single User** button once again.



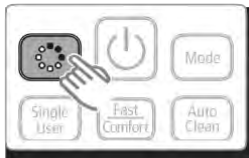
NOTE

- Single User function is only available in Cool/Heat mode.
- When Single User function is activated in Cool mode, temperature range will be limited to 76°F~86°F (24°C~30°C). However, temperature range during Heat mode will remain same at 61°F~86°F (16°C~30°C).
- If the desired temperature is lower than 76°F(24°C) in Cool mode, turn off the Single User function by pressing the **Single User** button again.
- Temperature/Fan speed can also be adjusted (see page 16 for instructions).
- Air flow can be adjusted. (see page 17 for instruction).
- If you press the **Mode** button while the Single User function is on, it will cancel the function.

Using the Virus Doctor function

(AR□□HSSD□□)

This function will produce positive ions and supply them into the airflow.



Press the **Virus Doctor** button on the remote controller.

- ▶ 🌀 indicator will appear on the remote controller display and the air conditioner generates Virus Doctor.
- ▶ Virus Doctor Lamp on the indoor unit will turn on when the Virus Doctor function is on and it will turn off when the function is canceled.

Cancel Press the **Virus Doctor** button once again.



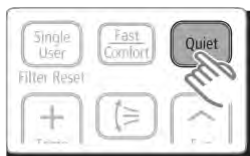
NOTE

- The Virus Doctor 🌀 function can be selected whether the air conditioner is on/off.
- The Virus Doctor 🌀 function may not be available for some models.



Using the Quiet function

You can reduce the noise generated from an indoor unit.



Press the **Quiet** button on the remote controller while the air conditioner is operating in **Cool/Heat mode**.

- ▶ Quiet indicator appears on the remote controller display.
- ▶ The indoor unit will operate more quietly.

Cancel Press the **Quiet** button once again.

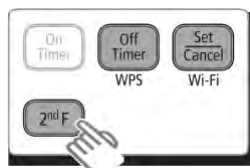


- NOTE**
- If using a multi system, this function will work only when the Quiet function is set on all operated indoor units.

Using the Smart A/C application

(AR□□HSSD□□)

You can conveniently control your air conditioner anywhere with Smart APP.

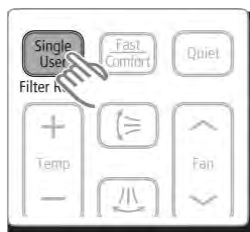


- NOTE**
- For detail information, please refer to Smart A/C application manual.
 - Smart A/C application may not be available for some models.

Using the Filter reset

Filter clean reminder (CF) will light up on the indoor unit display to notify you that the filter needs cleaning.

After cleaning the filter, press the **2nd F** button and then press the **Single User** button to reset the Filter clean reminder. Filter clean reminder will be turned off.





Cleaning the air conditioner



CAUTION

- Make sure to turn off the power of the indoor unit and cut-off the power supply before cleaning the air conditioner.

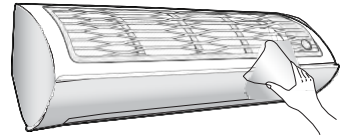
Cleaning the indoor unit

- ▶ Wipe the surface of the unit with a slightly damp micro fiber cloth when needed.



NOTE

- Contact the service center when you clean the indoor unit heat exchanger because it needs to be disassembled.
 - Since the panel of the indoor unit is easily scratched, you should use a micro fiber cloth to clean the panel. When you use the micro fiber cloth, slightly dampen the cloth and remove any debris on the cloth to avoid scratches.



CAUTION

- Do not clean the display using alkaline detergent.
- Do not use sulfuric acid, hydrochloric acid, organic solvents (such as thinner, kerosene and acetone etc.) to clean the surface of the product or put any stickers on it. They may damage the surface of the air conditioner.

Cleaning the outdoor unit heat exchanger

- ▶ When dust accumulates on the heat exchanger, it may decrease cooling performance. Therefore, clean it regularly.
- ▶ Spray water to clean the dust.



NOTE

- If it is difficult to clean the outdoor unit heat exchanger on your own, contact service center.



CAUTION

- Be careful with the sharp edges on the outdoor unit heat exchanger.



Heat exchanger

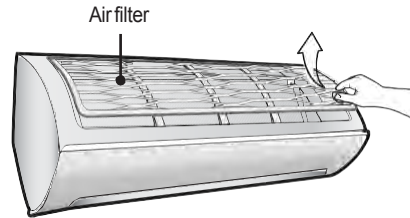
(Illustration may differ slightly depending on the models)





Removing the Air filter

There is a hole on the bottom right side of the filter. Put your finger in that hole to get a grip on the filter and slightly push it up to release the hooks from the bottom side. Then, pull it down to remove the filter from the main body.

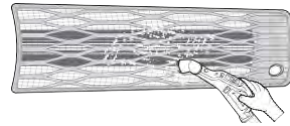


Cleaning the air filter

Washable foam based air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

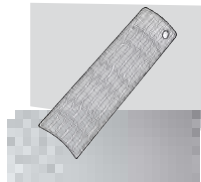
Remove the Air filter from the main body.

Clean the Air filter with a vacuum cleaner or soft brush.
If dust is too heavy, rinse it with running water.



Insert the Air filter back in its original position.

Dry the Air filter in a ventilated area.



NOTE

- Clean the Air filter every 2 weeks. Cleaning term may differ depending on the usage and environmental conditions. In dusty area, clean it once a week.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.
- When the filter clean reminder is on, please press the **2nd F** button and then press the **Single User** button on remote controller.

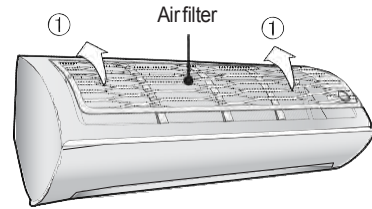




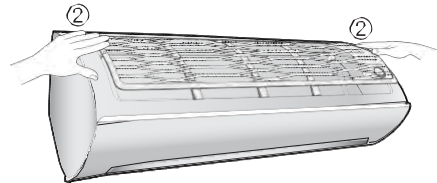
Cleaning the air conditioner

Reassembling the Air filter

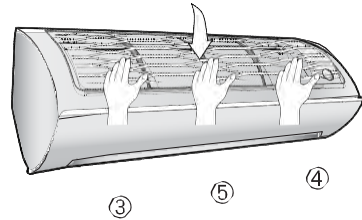
1. Put the filter on the main body and insert the hooks which are in the top of the Air filter into the the main body. □



2. There's one hook in both side of the filter, press the surface of the Air filter softly and get the hooks into the main body. □



3. Press the bottom of the filter lightly to securely fix the main body. □□□





Maintaining the air conditioner

If the air conditioner will not be used for an extended period of time, dry the air conditioner to maintain it in best condition.

1. Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and cut-off the power supply. There may be internal damage if moisture is left in components.
2. Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odors which may have generated from dampness.

Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Every 2 weeks	Every 3 months	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	<input type="checkbox"/>			
	Clean the condensate drain pan (2)				<input type="checkbox"/>
	Thoroughly clean the heat exchanger (2)				<input type="checkbox"/>
	Clean the cross fan (2)			<input type="checkbox"/>	
	Clean the condensate drain pipe (2)			<input type="checkbox"/>	
	Replace the remote controller batteries (1)				<input type="checkbox"/>
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)			<input type="checkbox"/>	
	Clean the heat exchanger on the inside of the unit (2)				<input type="checkbox"/>
	Clean the electric components with jets of air (2)				<input type="checkbox"/>
	Verify that all the electric components are firmly tightened (2)				<input type="checkbox"/>
	Clean the fan (2)				<input type="checkbox"/>
	Verify that all the fan assembly is firmly tightened (2)				<input type="checkbox"/>
	Clean the condensate drain pan (2)				<input type="checkbox"/>

: This check mark requires checking the indoor/outdoor unit periodically.
Follow the description to maintain the air conditioner properly.



CAUTION

- (1) The described operations should be performed more frequently if the area of installation is very dusty.
- (2) These operations must always be performed by qualified personnel. For more detailed information, see the installation part in the manual.





Troubleshooting

Refer to the following chart if the air conditioner operates abnormally. This may save time and unnecessary expenses.

PROBLEM	SOLUTION
The air conditioner does not work at all.	<ul style="list-style-type: none">• Check power status and then operate the air conditioner again.• Plug in or switch on the circuit breaker and then operate the air conditioner again.• Ensure Isolator is switch on.• Check if you have set the Off Timer. Operate the air conditioner again by pressing the Power button.
The temperature adjustment is not working.	<ul style="list-style-type: none">• Check if you have selected Fan/Fast mode. In these modes, desired temperature is set to auto and you cannot adjust the temperature.
Cool/Warm air does not come out of the air conditioner.	<ul style="list-style-type: none">• Check if the set temperature is higher (during Cool mode)/ lower (during Heat mode) than the current temperature. Press the Temp + or - button on the remote controller to change the set temperature.• Check if the Air filter is blocked by dirt. If there is a lot of dust on the Air filter, cooling (heating) performance may decrease. Clean them frequently.• Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away.• Check if the air conditioner is operating in defrost mode. When the ice formed in winter or the outdoor temperature is too low, the air conditioner operates in defrost mode automatically. In defrost mode, indoor fan stops and warm air does not come out.• If the doors or windows are open, it may cause bad cooling (heating) performance. Close the doors and windows.• Check if the air conditioner has just been turned on after stopping cooling or heating operation. In this case, just a fan will run to protect the outdoor unit compressor.• Check if the pipe length is too long. When the pipe length exceeds maximum allowable pipe length, cooling (heating) performance may decrease.
Air flow adjustment is not working.	<ul style="list-style-type: none">• Check if you have selected good'sleep mode. In cool mode, you cannot adjust the air flow direction. (If the good'sleep mode is operating in Heat mode, you can adjust the air flow direction.)





PROBLEM	SOLUTION
Fan speed adjustment is not working.	<ul style="list-style-type: none">• Check if you have selected Auto/Dry/Fast/Comfort/ good sleep mode. In these mode, fan speed is set to Auto and you cannot adjust the fan speed.
Remote controller is not working.	<ul style="list-style-type: none">• Check if your batteries are depleted.• Make sure nothing is blocking your remote controller sensor.• Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.
Timer function does not set.	<ul style="list-style-type: none">• Check if you press the Set/Cancel button on the remote controller after you have set the time.
The indicator is blinking continuously.	<ul style="list-style-type: none">• Press the Power button or disconnect the power plug/switch off the auxiliary power switch. If the indicator is still blinking, contact the service center.
Odors permeate in the room during operation.	<ul style="list-style-type: none">• Check if the appliance is running in a smoky area. Ventilate the room or operate the air conditioner in Fan mode for 1~2 hours. (We do not use smelly components in the air conditioner.)• Check the Drains have been cleared Regular Maintenance.
Error is indicated.	<ul style="list-style-type: none">• When an indoor unit indicator blinks, contact the nearest service center. Please ensure the error code is passed onto the service center when booking the service call.
Noise is generated.	<ul style="list-style-type: none">• Depending on the status of the air conditioner usage, noise can be heard when refrigerant flow movement changes. It is normal.
Smoke is generated from the outdoor unit.	<ul style="list-style-type: none">• If may not be a fire but it can be a steam generated by the defrost operation from outdoor heat exchanger during Heat mode in winter.
Water is dropping from the outdoor unit piping connection.	<ul style="list-style-type: none">• Water may be generated because of the temperature difference. It is normal.