

Air conditioner

User manual

AC***BNAPKG

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

SAMSUNG

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***Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)***

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product-specific regulatory obligations, e.g. REACH, visit: www.samsung.com/uk/aboutsamsung/sustainability/environment/our-commitment/data/



Safety Information

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 centre or find help and information online at www.samsung.com.

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.
-  Do NOT attempt.
-  Make sure the machine is grounded to prevent electric shock.
-  Cut-off the power supply.
-  Do NOT disassemble.



FOR GENERAL

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.

IMPORTANT

To perform its antimicrobial function this product has been treated with the biocide substance Silver zinc zeolite.

FOR INSTALLATION

-  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. This 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.



Safety Information

- ❗ **Install a switch 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 or fire.
- ⊘ **Do not install this appliance near a heater or open flame, as it contains inflammable materials and substances.**

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, an explosion, or other problems with the product.



 **CAUTION**

- 
- Please cover the air conditioner with PE BAG after installation, and remove it when you start to run air conditioner.

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.

The product shall be stored in a room with no ignition sources (e.g. open flames, gas appliance, electric heater, etc.).

- Note that the refrigerant has no odour.

When using the outdoor unit for heating, make sure not to connect a drain hose, a drain plug and a drain cap so that draining is performed more rapidly with less risk of freezing.

- The water generated during the heating operation in 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.

Do not install the product in a place where thermo-hygrostat is needed (such as server room, machinery room, computer room, etc.)

- Those places do not provide guaranteed operation condition of the product therefore performance can be poor in these places.



Safety Information

FOR POWER SUPPLY

- ❗ When the circuit breaker is damaged, contact your nearest service centre.
- ⊘ 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.



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 centre.
 - 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 case of a malfunction, immediately stop operation of the air conditioner and disconnect the entire power system. Then consult the authorized service personnel.

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 centre.

- 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 salt in the air, please contact your nearest service centre.

- ⊘ 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.



Safety Information

⊘ 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 touch the front panel 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 outlet when the air conditioner is operating or the front panel is closing.

- Take special care that children do not injure themselves by inserting their fingers into the product.

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.

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.

Do not use means to accelerate the defrost operation or to clean, other than those recommended by Samsung.

Do not pierce or burn.

Be aware that refrigerants may not contain an odour.



-  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 copper, steel wire, etc.) other than the standard fuse.
 - Failing to do so may result in electric shock, fire, problems with the product, or injury.

CAUTION

-  Do not place objects or devices under the indoor unit.
 - Water dripping from the indoor unit may result in fire or property damage.

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.

To prevent personal injury, make sure that you change the directions of the horizontal airflow blades after stopping the movements of the vertical airflow blade. (In case of adjusting the horizontal airflow manually)

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

When the air conditioner does not operate properly for cooling or heating, there is a possibility of refrigerant leakage. If any leakage, stop operation, ventilate the room, and consult your dealer immediately for recharging refrigerant.

The refrigerant is not harmful. However, if it comes in contact with fire, it may generate harmful gases and there is risk of fire.



Safety Information

! During transportation of the indoor unit, the pipe lines shall be covered with brackets for protection. Do not move the product with holding the pipe lines.

- It may cause gas leakage.

Do not install the product in a ship or a vehicle (such as a campervan).

- Salt, vibration or other environmental factor may cause the product malfunction, electric shock or fire.

⊘ 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 cut or burn the refrigerant container or pipings.

Do not point the air direction to the fireplace or heater.

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 to 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 use in Europe: This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.



Safety Information

FOR CLEANING

WARNING

 Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner, alcohol or acetone 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.

CAUTION

 **Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.**

- To avoid cutting your fingers, wear thick cotton gloves when cleaning it.
- This should be done by a qualified technician please contact your installer or service centre.

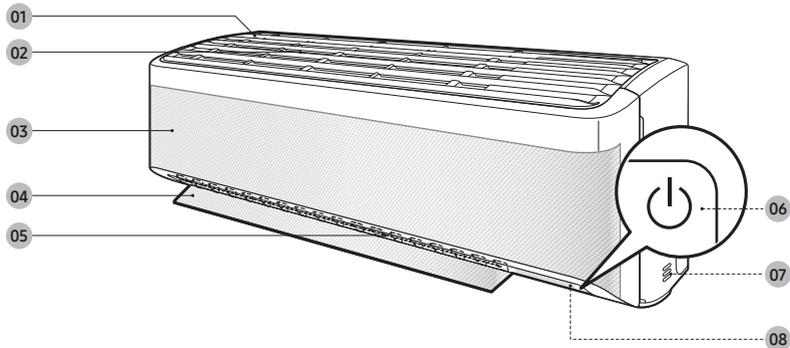
 **Do not clean the inside of the air conditioner by yourself.**

- For cleaning inside the appliance, contact your nearest service centre.
- When cleaning the internal filter, refer to the descriptions in the 'Cleaning and Maintaining' section.
- Failure to do may result in damage, electric shock or fire.
- Make sure to prevent any injury from sharp edges of the surface when handling the heat exchanger.



Indoor Unit Overview

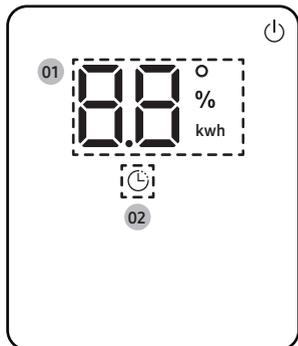
The appearance of the actual product may differ slightly from the image below.



- | | |
|---------------------------------------|--|
| 01 Air intake | 05 Airflow blade (left and right) |
| 02 Air filter | 06 Power button/Remote control receiver |
| 03 Wind-Free panel | 07 Room temperature sensor |
| 04 Airflow blade (up and down) | 08 Display |

At a Glance

Display

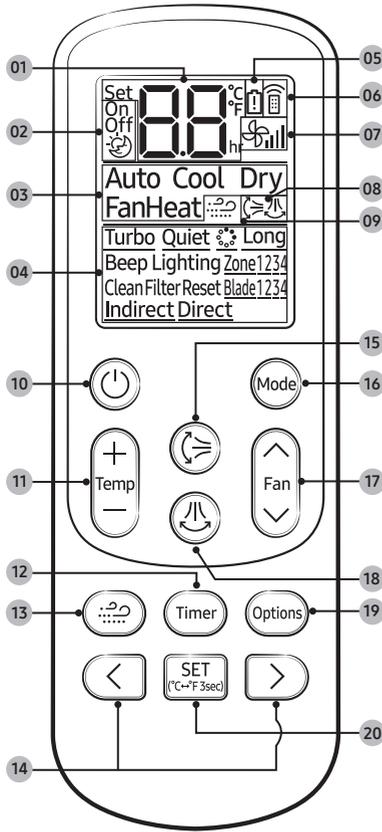


- | |
|--|
| 01 Temperature indicator (numeric)
Filter reset indicator (CF)
Auto clean indicator (C)
Defrost indicator (dF) |
| 02 Timer indicator
good'sleep indicator |

Remote Control Overview

Most operating instructions in this manual require using the remote control.

At a Glance



- 01 Set temperature / Timer indicator
- 02 Timer option indicator
- 03 Operation mode indicator
- 04 Options indicator
- 05 Low battery indicator
- 06 Signal transmission indicator
- 07 Fan speed indicator
- 08 Air flow direction indicator
- 09 Wind-Free indicator
- 10 Power button
- 11 Temperature button
- 12 Timer button
- 13 WindFree button
- 14 Direction button / Selection button
- 15 Vertical air swing button
- 16 Mode button
- 17 Fan speed button
- 18 Horizontal air swing button
- 19 Options button
- 20 SET button/Temperature type button(°C ↔ °F)

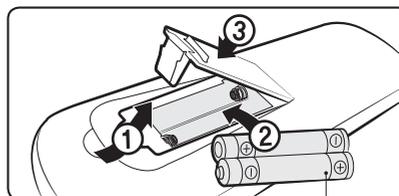
NOTE

- To select a function, point the remote control to the remote control sensor on an indoor unit.
- Although **Ionizer** (☼☼), **Long**, **Indirect**, **Direct**, **Blade 1234** is displayed on the remote control display, it is not available on this model.
- If you turn off the remote control and then turn it on, the settings of Timed on/off and other options that you set previously are cancelled. Air flow direction setting will not be cancelled.
- If the indoor unit number (Zone 1 to Zone 4) that you select on the remote control display does not match the indoor unit (default: Indoor Unit 1) pointed by the remote control, the indoor unit will not operate.
- If you press a button on the remote control near a strong light such as a compact fluorescent lamp or neon sign, the air conditioner may not operate. In this case, move close to the indoor unit, and then operate the remote control.
- If other appliances respond to the remote control, contact a service centre.



Replacing the remote control batteries

When the  icon appears in the remote control display, replace the batteries with new ones. Two 1.5V AAA type batteries are required.



two 1.5V AAA type batteries

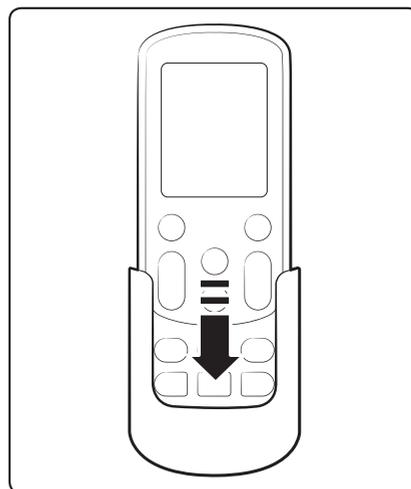


Storing the remote control

If the remote control will not be used for an extended period of time, store it in the remote control holder with the batteries removed.

 **CAUTION**

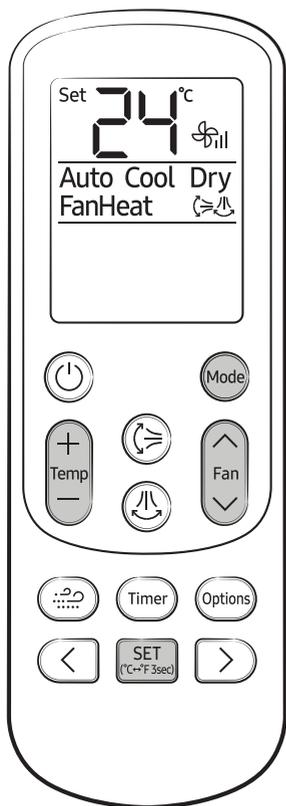
- Make sure that water does not come into the remote control.



Remote Control Operation

You can use the air conditioner easily by selecting a mode and then by controlling the temperature, fan speed, and air flow direction.

At a Glance



Operation modes

You can change the current mode between Auto, Cool, Dry, Fan, and Heat by pressing the **Mode** button.

Controlling temperature

You can control the temperature in each mode as follows:

Mode	Temperature control
Auto/Cool/Dry	Adjust by 1 °C between 18 °C and 30 °C.
Fan	You cannot control the temperature.
Heat	Adjust by 1 °C between 8 °C and 30 °C.

You can switch between Celsius and Fahrenheit indications on the remote control.



▶ Press and hold for 3 or more seconds.

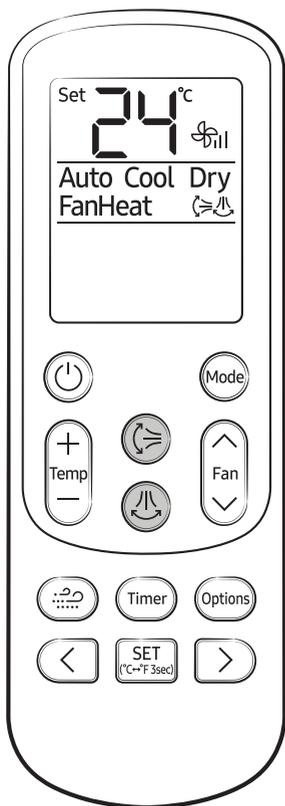
NOTE

- The temperature indications on the indoor unit are not switched.
- This function is canceled when the remote control batteries are replaced. In this case, run this function again.

Controlling fan speed

You can select the following fan speeds in each mode:

Mode	Available fan speeds
Auto/Dry	🌀 (Auto)
Cool/Heat	🌀 (Auto), 🌀 (Low), 🌀 (Med), 🌀 (High)
Fan	🌀 (Low), 🌀 (Med), 🌀 (High)



Controlling air flow direction

Selecting air flow direction

You can change air flow direction to either vertical or horizontal.

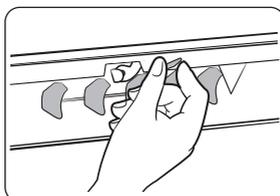
In operation ►  or 

NOTE

- To lock a specific air flow direction, press either the  or  button when the air flow blades are in the intended position.

Horizontal air flow (manual)

Keep the horizontal air flow in a constant direction by changing the directions of the horizontal air flow blades manually.



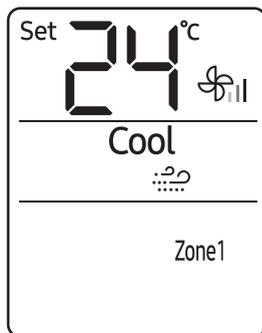
NOTE

- Although you press the  button, this function does not work.

CAUTION

- To prevent personal injury, make sure that you change the directions of the horizontal air flow blades after stopping the movements of the vertical air flow blade.

Power Smart Features



WindFree Cooling function

Use the WindFree Cooling function to enjoy mild cool breeze exuding from fine holes on the WindFree panel with the air flow blade closed, instead of getting cool wind directly. The automated control of the temperature and fan speed according to the indoor temperatures keeps your room cool and pleasant.

In the Cool, Dry,
or Fan mode



NOTE

- To cancel this function, press the  button again.
- If the WindFree Cooling function is cancelled, the air conditioner returns to the original fan speed.
- You can adjust the set temperature during the WindFree Cooling function, and recommended set temperatures are 24 °C to 26 °C. However, you cannot change the set temperature in the Fan mode.
- You can use the WindFree Cooling function when the Cool, Dry, or Fan mode is running.
- If the room temperature goes high because of rise of external temperature, heat from cooking, or other reason, operate the WindFree Cooling function after operating in the Cool mode.
- If you select the WindFree Cooling function in the Fan mode, the compressor stops working so that cool air does not come out. However, mild breeze comes out and starts to clean the air in the room.

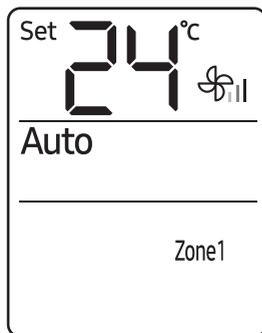
- During the WindFree Cooling operation, the cold air may be intermittently weakened depending on the temperature and humidity in the room. But the WindFree air currents are maintained and the weakened cold air is immediately recovered, consequently keeping the room comfortable. (During the WindFree Cooling operation, the air flow blades may open to control the indoor air currents smoothly, depending on the installation settings. In this case, as soon as the indoor temperature and humidity change, the air flow blades are closed and the WindFree Cooling operation restarts. For more information on the installation settings, see "Setting the indoor unit addresses and the installation options" in the installation manual of the indoor unit.)

Change of the air flow blade by temperature and humidity

Indoor temperature and humidity	Low	High	
	Breeze is blown via the micro holes on the air flow blades	Breeze is blown via the micro holes on the air flow blades	Breeze comes from the air flow blade depending on the setting
Air flow blade	Closed	Closed (default)	Opened (according to setting)

- When the WindFree Cooling function runs while sleeping, you may feel cold air if the air conditioner is installed over the bed. In this case, set the desired temperature higher than the normal setting temperature.
- If you select the WindFree Cooling function while such functions as Turbo, Quiet, an Air flow direction (🌀, 🌀) or good'sleep are running, these functions are cancelled.

Power Smart Features



Auto mode

Use the Auto mode when you want the air conditioner to automatically control the mode (Heat or Cool). The air conditioner will provide the most comfortable atmosphere that it can.



NOTE

- You cannot change the fan speed.
- While the Cool mode is running, the air conditioner produces a strong cold air if there is a large difference between the set temperature and the current temperature. When the temperature difference becomes small, the air conditioner automatically changes the air flow direction to Wide and keeps the room at a comfortable temperature.

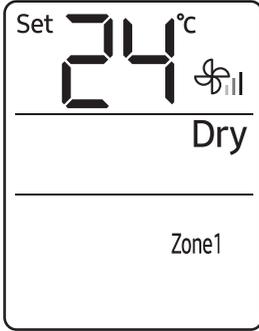
Cool mode

Use the Cool mode to stay cool in hot weather.



NOTE

- For comfort, keep the temperature difference between the indoor and outdoor air within 5°C in the Cool mode.
- To cool your room quickly, select a low temperature and a high fan speed.
- To save energy, select a high temperature and a low fan speed.
- As the indoor temperature approaches the set temperature, the compressor will operate at a low speed to save energy.



Dry mode

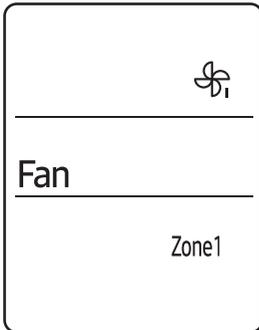
Use the Dry mode in rainy or humid weather.



Select Dry.

NOTE

- You cannot change fan speed in the Dry mode.
- The greater the difference between the set temperature and the current temperature is, the greater the amount of air that is dehumidified is.



Fan mode

Use the Fan mode to run the air conditioner like a common fan. The air conditioner provides a natural breeze.

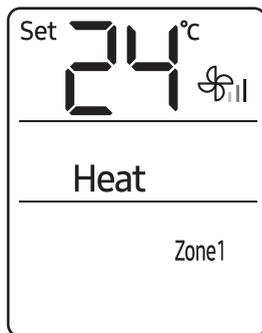


Select Fan.

NOTE

- If the air conditioner will not be used for an extended period of time, dry the air conditioner by running it in the Fan mode for 3 or 4 hours.
- The outdoor unit does not operate in Fan mode. This is normal and not a fault with the air conditioner.

Power Smart Features



Heat mode

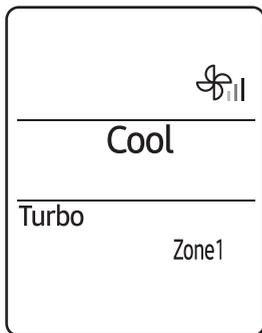
Use the Heat mode to stay warm.



NOTE

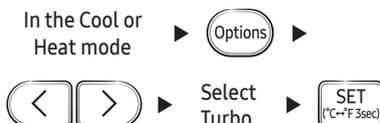
- While the air conditioner warms up, the fan may not operate for a while at the beginning to prevent cold wind.
- While the defrost function is running, the indoor unit provides no breeze to prevent cold wind.
- If the outdoor temperature is low and the humidity is high while the Heat mode is running, the heating performance of the air conditioner may decrease due to frost and ice that formed on the outdoor heat exchanger. When this condition happens, the air conditioner runs the defrost function for about 5 to 12 minutes to remove the frost and ice, and water steam is released from the outdoor unit.
- The operation time of the defrost function varies depending on the amount of the frost and ice and the humidity.
- While the defrost function is running, none of other functions will work, even if you select them on the remote control.

Variety Smart Features



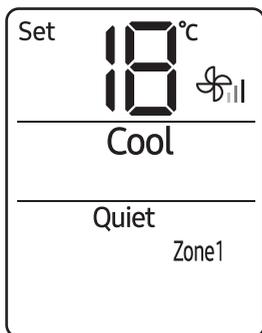
Turbo function

Use the Turbo function to provide intensive cooling or heating to sharply decrease or increase indoor temperature within 30 minutes.



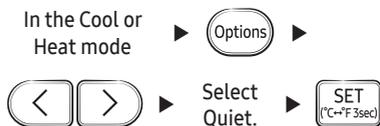
NOTE

- After 30-minute operation, the air conditioner automatically switches to standard the Cool or Heat mode.
- You can change air flow direction.
- You cannot change set temperature or fan speed.
- If you select the Turbo function while such functions as WindFree Cooling, Quiet, or good'sleep are running, these functions are cancelled.



Quiet function

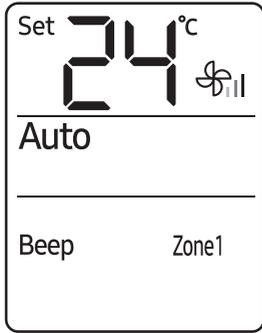
Use the Quiet function to reduce operating noise. You can select this function both in the Cool and Heat modes.



NOTE

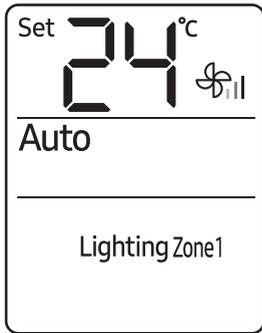
- You can change set temperature and air flow direction.
- You cannot change the fan speed.
- If you select the Quiet function while such functions as Turbo, or good'sleep are running, these functions are cancelled.

Variety Smart Features



Beep sound function

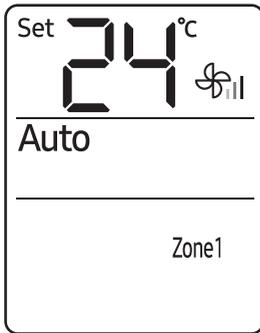
Use the Beep sound function to turn on or off the beep sound that plays when you press a button on the remote control.



Display lighting function

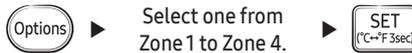
Use the Display lighting function to turn on or off the lighting of the indoor unit display.





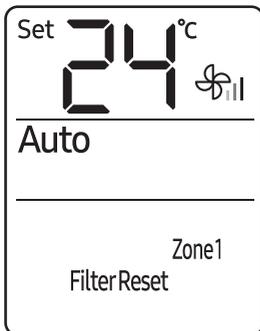
Controlling the indoor units individually

Use the Zone function to choose the indoor unit you want to operate individually. For example, select Zone 1 to control only the indoor unit 1.



NOTE

- You can select either one or all of Zone 1 to Zone 4.
- The indoor unit numbers must be set by the installer: the installer sets a number on each indoor unit. To change the existing indoor unit numbers, contact a service centre.
- The current Zone function settings persist even if you change the current mode or you turn off and then turn on the remote control. The zone selection you made using the remote control is reset when the remote control batteries are replaced.

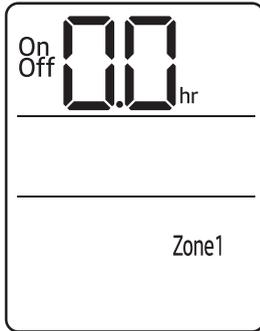


Clearing the filter-cleaning reminder

Use the Filter Reset function to reset the filter-cleaning reminder after cleaning or replacing the filter.

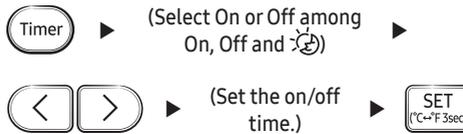


Energy-Saving Features



Timed on/Timed off function

Use the Timed on/Timed off to turn on or off the air conditioner after the time that you set.



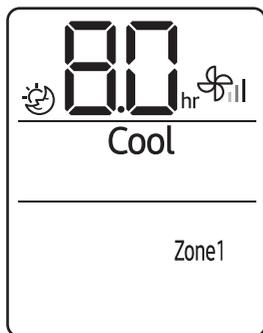
- Press the **Timer** (Timer) button to change the current function between On, Off, and (good'sleep). (good'sleep) is displayed in the Cool and Heat mode only.

NOTE

- You can set a time between 0.5 and 24 hours. Set the time interval to 0.0 to cancel the Timed on/off function.
- After starting the Timed on function, you can change the mode and the set temperature. When you apply the Timed on/off function to the Fan mode, you cannot change the set temperature.
- You cannot set the same time for both of the Timed on and Timed off functions.
- If you press the **Timer** button when the remote control is off, On is displayed first on the remote control display; if you press the **Timer** button when the remote control is on, Off is displayed first.

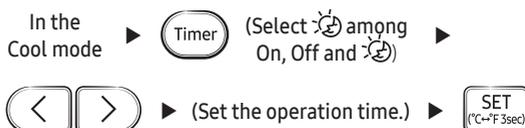
Combining Timed on and Timed off

When the air conditioner is off	Example) Timed on: 3 hours, Timed off: 5 hours The air conditioner turns on after 3 hours from the moment you start Timed on/off, remains on for 2 hours, then turns off automatically.
When the air conditioner is on	Example) Timed on: 3 hours, Timed off: 1 hours The air conditioner turns off after 1 hour from the moment you start Timed on/off, then turns on after 2 hours from the moment it is turned off.



good'sleep function

Use the good'sleep function to get a good sleep at night and to save energy. You can select this function in the Cool mode.

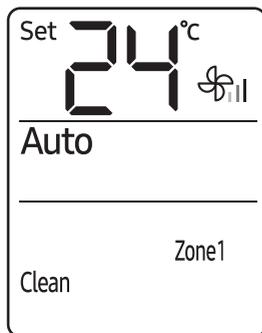


- Press the **Timer** (Timer) button to change the current function between On, Off, and **good'sleep**.

NOTE

- Fan speed and air flow directions are automatically adjusted.
- You can adjust the set temperature by 1°C between 18 °C and 30 °C.
- The recommended set temperature in good'sleep function is 25 °C to 27 °C.
- You can set the operation time to between 0.5 and 12 hours. Set the operation time to 0.0 to cancel the good'sleep function.
- The default operation time for the good'sleep function in the Cool mode is 8 hours. If the operation time is set to over 5 hours, the Wake up function begins 1 hour before the set time. The air conditioner stops automatically when the operation time expires.
- When the Timed on, Timed off, and good'sleep functions are overlapped, the air conditioner operates its timer with only the function that you have started most recently.
- If you select the good'sleep function while such functions as WindFree Cooling, Turbo, or Quiet are running, these functions are cancelled.

Cleaning



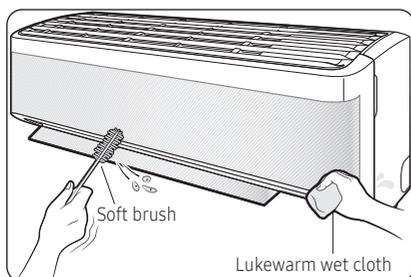
Auto clean function

Use the Clean function to remove moisture from the inside of the air conditioner for preventing propagation of fungi, bacteria, etc.



NOTE

- Depending on the condition of the indoor unit, the Clean operation stops after running for 30 seconds to 20 minutes.
- When the Clean Function is set, the indoor unit displays "Cl". When the Clean function is cancelled, the indoor unit displays nothing.
- You cannot use the Clean function after starting the Timed Off or good'sleep function.
- If you turn on the air conditioner and then turn it off within 20 seconds, the Clean function does not operate.
- When the air conditioner is turned off, the Clean function operates immediately. When it is turned on, the Clean function operates after it is stopped.
- Once the Clean function is started, it automatically continues to operate until it is cancelled.



Cleaning the outside of the indoor unit

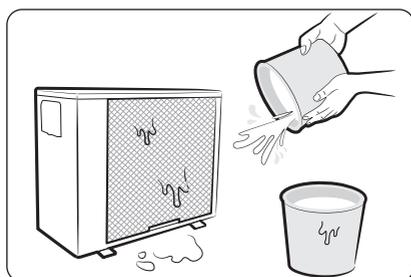
- 1 Turn off the air conditioner and wait until the fan stops.
- 2 Disconnect the power supply.
- 3 Use a soft brush or lukewarm wet cloth to clean the exterior.

WARNING

- Do not clean the appliance by spraying water directly onto it. Water entering the unit may result in electric shock or fire that could cause death, serious injury, or property damage:

CAUTION

- Do not use an alkaline detergent to clean the indoor unit display.
- Do not use sulphuric acid, hydrochloric acid, or organic solvents such as paint thinner, kerosene, acetone, benzene, or alcohol to clean the unit surfaces.



Cleaning the heat exchanger on the outdoor unit

- 1 Turn off the air conditioner and wait until the fan stops.
- 2 Disconnect the power supply.
- 3 Spray water on the heat exchanger to remove dust and other debris.

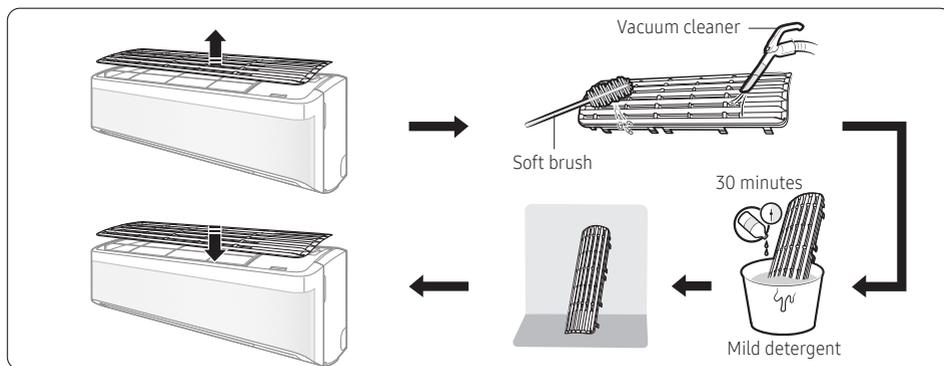
CAUTION

- Do not use sulphuric acid, hydrochloric acid, or organic solvents such as paint thinner, kerosene, acetone, benzene, or alcohol to clean the unit surfaces.
- If you need to inspect or clean the inside of the heat exchanger on the outdoor unit, contact a local service centre for help.

Cleaning

Cleaning the filter

Clean the air filter every two weeks or when the **C/F** (filter-cleaning reminder) appears on the indoor unit display. The time between cleanings may vary, depending on the usage and environmental conditions.



- 1 Slide the filter off of the unit.
- 2 Use a soft brush or vacuum cleaner to remove any dust or debris on the filter.
- 3 Soak the filter in a solution of water and mild detergent for 30 minutes.
- 4 Rinse the filter and let it air dry in a well-ventilated area that is out of direct sunlight.
- 5 Reinstall the filter.
- 6 Reset the filter-cleaning reminder:

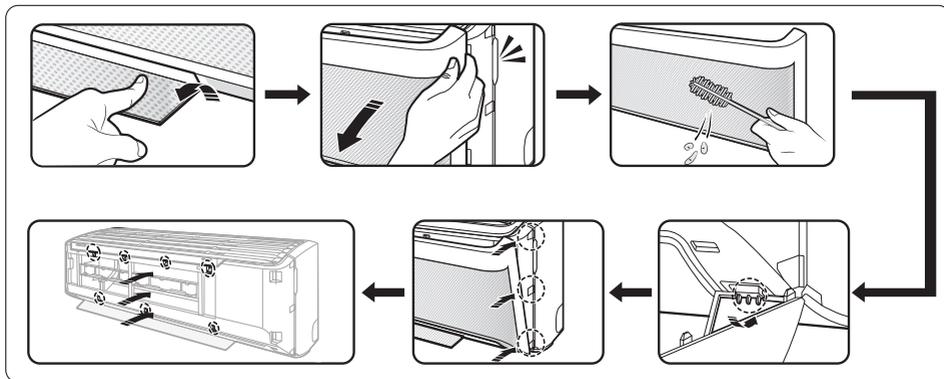
In operation ► **Options** ► **<** **>** ► Select Filter Reset. ► **SET**
(¹C=+F 3sec)

⚠ CAUTION

- Take care not to damage the filter during cleaning.
- Do not scrub the air filter with a hard-bristle brush or another cleaning utensil.
- Do not expose the air filter to direct sunlight when drying it.

Cleaning the WindFree panel

Clean the WindFree panel at least once a month.



- 1 Pull the airflow blade open.
- 2 Hold and pull both sides of the WindFree panel until it comes free from the air conditioner.
- 3 Use a soft brush or vacuum cleaner to remove any dust.
- 4 Hang the WindFree panel in the grooves at the bottom left and right.
- 5 Align the projections of the WindFree panel with the grooves at the top, middle, and bottom of the front panel.
- 6 After inserting the WindFree panel, press the top 4 places and the bottom 3 places by hand so that there is no gap to the panel.

CAUTION

- If you attach the WindFree panel without the airflow blade being open, it may become obstructed by the WindFree panel and may not open properly.

Maintaining the Air Conditioner

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

- 1 Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and disconnect the power plug. 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 odours that may have generated from dampness.

Periodical checks

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

Type	Description	Monthly	Every 4 months	Once a year
Indoor unit	Clean the air filter (1).	●		
	Clean the condensate drain pan (2).			●
	Thoroughly clean the heat exchanger (2).			●
	Clean the condensate drain pipe (2).		●	
	Replace the remote control batteries (1).			●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2).		●	
	Clean the heat exchanger on the inside of the unit (2).			●
	Clean the electric components with jets of air (2).			●
	Verify that all the electric components are firmly tightened (2).			●
	Clean the fan (2).			●
	Verify that all the fan assembly is firmly tightened (2).			●
	Clean the condensate drain pan (2).			●

NOTE

- The checks and maintenance operations described above are essential to guarantee the efficiency of the air conditioner. The frequency of these operations may vary depending on the characteristics of the area, the amount of dust, etc.
 - (1) The above mentioned 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, refer to Installation Manual.

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 against cold air when the heat pump is heating.
Defrost cycle	The internal fan will be off against cold air when the heat pump is heating.
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.

 **NOTE**

- If the heat pump is operating in Heat mode, the Defrost cycle is actuated to 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.
- When the Defrost cycle is operating, it may generate strange sound. It is normal operation for product safety.

Troubleshooting

If the air conditioner operates abnormally, refer to the following chart to save time and unnecessary expenses.

Problem	Solution
<p>The air conditioner does not work at all.</p>	<ul style="list-style-type: none"> • Check the power status, then operate the air conditioner again. • Switch on the circuit breaker, plug in the power cord, then operate the air conditioner again. • Make sure that the isolator is turned on. • Check whether the Timed off function is running. Operate the air conditioner again by pressing the Power button.
<p>I cannot change the temperature.</p>	<ul style="list-style-type: none"> • Check whether the Fan or Fast mode is running. In these modes, the air conditioner controls the set temperature automatically, and you cannot change the set temperature.
<p>Cool/Warm air does not come out the air conditioner or performance is reduced.</p>	<ul style="list-style-type: none"> • Check whether the set temperature is higher in the Cool mode or lower in the Heat mode than the current temperature. Press the Temperature button on the remote control to change the set temperature. • Check whether the air filter is blocked with dirt. If the air filter is blocked, the cooling and heating performance may decrease. Remove dirt regularly. • Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away. When clearing the obstacle (e.g. snow or ice), use suitable tools so as to be careful not to damage the product nor injure yourself during this process. • Check whether the air conditioner is running the defrost function. When ice forms in winter or the outdoor temperature is too low, the air conditioner runs the defrost function automatically. While this function is running, the indoor fan stops and warm air does not come out. • Check whether doors or windows are open. This may cause poor cooling or heating performance. Close the doors and windows. • Check whether the air conditioner is turned on immediately after the cooling or heating operation stops. In this case, only the fan runs to protect the outdoor unit compressor. • Check whether the pipe length is too long. When the pipe length exceeds the maximum pipe length, the cooling and heating performance may decrease.
<p>I cannot change the air flow direction.</p>	<ul style="list-style-type: none"> • When the Auto, Dry, or Fast mode is running or the good'sleep function is running in the Cool mode, the air conditioner controls the fan speed automatically and you cannot change the fan speed.

Problem	Solution
I cannot change the fan speed.	<ul style="list-style-type: none"> Check if the unit is in Auto, Dry, or Fast mode or the good'sleep function is on in Cool mode. In these conditions, you cannot control the fan speed; the unit automatically controls the fan speed.
The remote control does not work.	<ul style="list-style-type: none"> Replace the batteries in the remote control with new ones. Make sure that nothing is blocking the remote control sensor. Check whether there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.
The Timed on/off function does not work.	<ul style="list-style-type: none"> Check whether you pressed the SET button on the remote control after setting the time.
The indicator blinks continuously.	<ul style="list-style-type: none"> Press the Power button to turn off the air conditioner or disconnect the power plug. If the indicator is still blinking, contact the service centre.
Odours permeate in the room during operation.	<ul style="list-style-type: none"> Check whether the air conditioner is running in a smoky area. Ventilate the room or operate the air conditioner in the Fan mode for 3 to 4 hours. (There are no components used in the air conditioner that emit a strong odour.) Check whether the drains are clean. Clean them regularly.
An error is indicated.	<ul style="list-style-type: none"> If the indoor unit indicator blinks, contact the nearest service centre. Be sure to pass the error code to the service centre.
Noise is generated.	<ul style="list-style-type: none"> When refrigerant flow changes, noise may be generated, depending on the status of the air conditioner. This is a normal operation.
'Excessive Noise is Generated' and 'Reduced Performance'	<ul style="list-style-type: none"> If excessive/irregular noise is generated in conjunction with reduced product performance, please refer to your service engineer to ensure the product is operating correctly.
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 from the outdoor heat exchanger while the defrost function is running in the Heat mode in winter.
Water drops from the pipe connections of the outdoor unit.	<ul style="list-style-type: none"> Condensation may develop when the ambient temperature changes excessively. This is a normal operation.

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	OPERATIONAL TEMPERATURE		INDOOR HUMIDITY
	INDOOR	OUTDOOR	
Cool	18 °C to 32 °C	- 20 °C to 52 °C	80% or less
Heat	30 °C or less	-25 °C to 24 °C	-
Dry	18 °C to 32 °C	- 20 °C to 52 °C	80% or less

NOTE

- The standardized temperature for heating is 7 °C . If the outdoor temperature drops to 0 °C or below, the heating capacity can be reduced depending on the temperature condition.
- If the cooling operation is used at over 32 °C (indoor temperature), it does not cool at its full capacity.

Technical specifications

Type	Model	Net weight	Net dimension (W x D x H)
Indoor unit	AC026BNAPKG	10.6 kg	889 x 299 x 215
	AC035BNAPKG	10.6 kg	889 x 299 x 215
	AC052BNAPKG	12.7 kg	1055 x 299 x 215
	AC071BNAPKG	12.7 kg	1055 x 299 x 215

Information about refrigerant

Important information: regulation regarding the refrigerant used

This product contains fluorinated greenhouse gases. Do not vent gases into the atmosphere.

CAUTION

- If the system contains 5 tCO₂e or more of fluorinated greenhouse gases, it must be checked for leakage at least once every 12 months, according to regulation No. 517/2014. This activity must be covered by qualified personnel only. In the case of the situation above, the installer (or authorized person with responsibility for final check) must provide a maintenance book, with all the information recorded, according to REGULATION (EU) No. 517/2014 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 April 2014 on fluorinated greenhouse gases.

Refrigenat type	GWP value
R-32	675

- GWP: Global Warming Potential
- Calculating tCO₂e: kg x GWP/1000

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
UK	0333 000 0333	www.samsung.com/uk/support
IRELAND (EIRE)	0818 717100	www.samsung.com/ie/support
GERMANY	06196 77 555 77	www.samsung.com/de/support
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ITALIA	800-SAMSUNG (800.7267864)	www.samsung.com/it/support
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GREECE	80111-SAMSUNG (80111 726 7864) only from land line (+30) 210 6897691 from mobile and land line	
POLAND	801-172-678* lub +48 22 607-93-33* * (optata według taryfy operatora)	http://www.samsung.com/pl/support/
LITHUANIA	8-800-77777	www.samsung.com/lt/support
LATVIA	8000-7267	www.samsung.com/lv/support
ESTONIA	800-7267	www.samsung.com/ee/support

Samsung, PO Box 12987, Blackrock, Co.Dublin. IE
or Euro QA Lab. Saxony Way, Yateley, Hampshire GU46 6GG, UK



This appliance is filled with R-32.