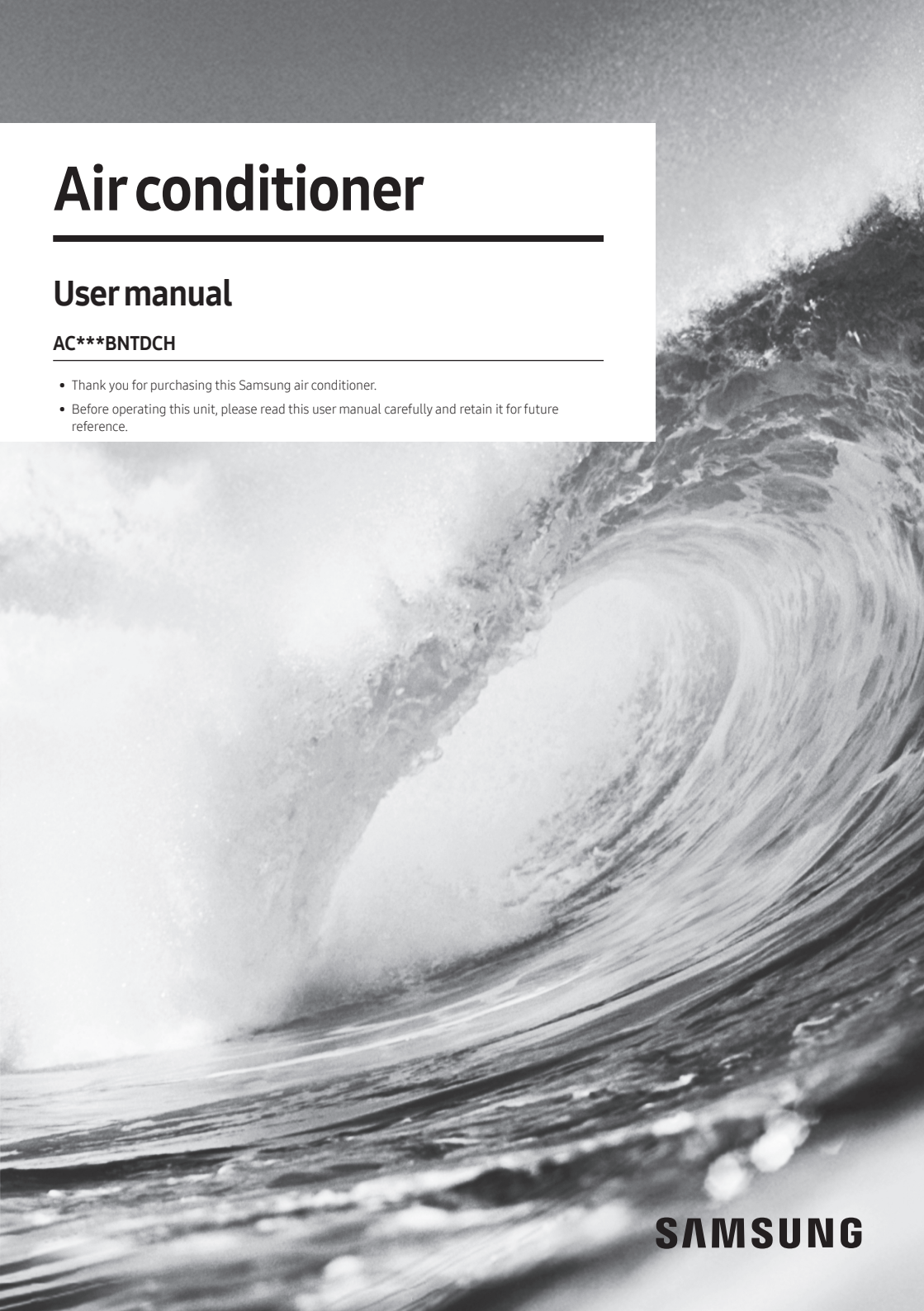


Air conditioner

User manual

AC***BNTDCH

- 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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Safety Information

California Proposition 65 Warning (US)

WARNING

Cancer and Reproductive Harm - www.P65Warnings.ca.gov.

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.samsunghvac.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.

Safety Information

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 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, explosion, or 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, 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.

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 centre.

Safety Information

-  **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 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 the 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.

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.

Safety Information

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.



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.

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.

Safety Information

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, 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.



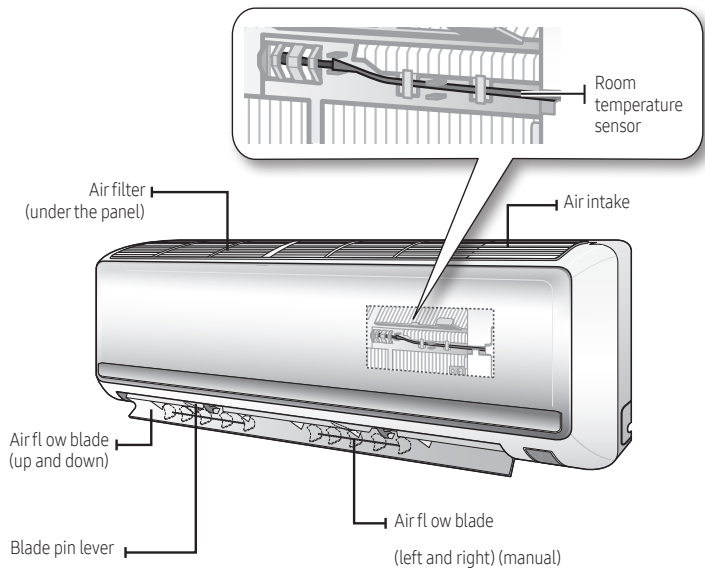
Do not clean the inside of the air conditioner by yourself.

- 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.

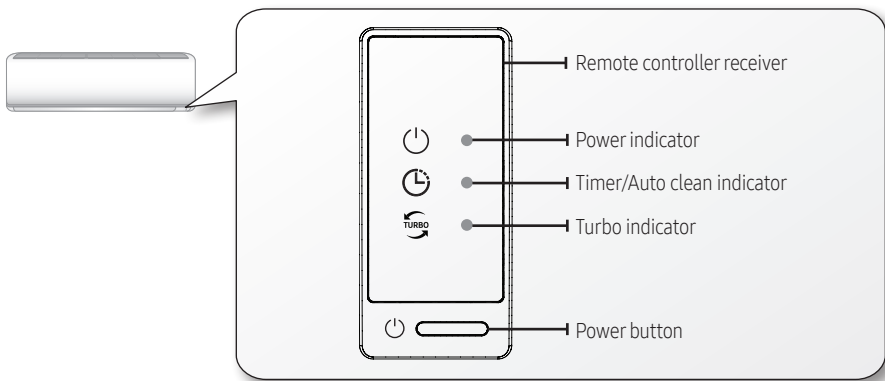
Indoor Unit Overview

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

Main parts

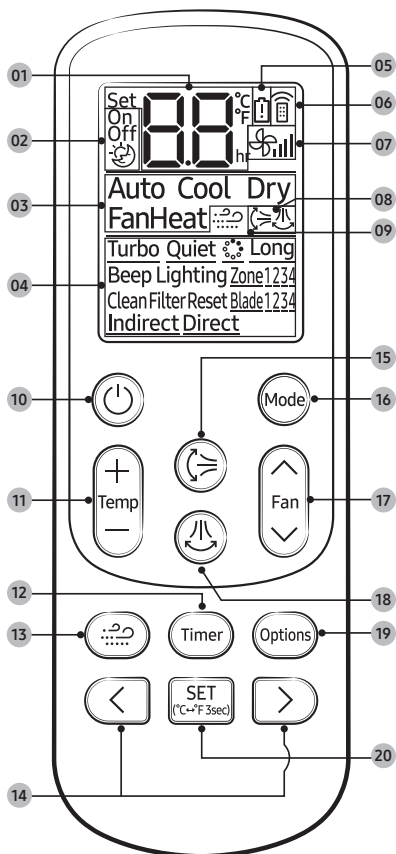


Display



Remote Control Overview

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



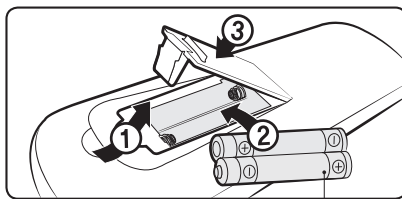
- 01 Set temperature / Timer indicator
- 02 Timer option indicator
- 03 Operation mode indicator
- 04 Options indicator
- 05 Low battery indicator
- 06 Signal transmission indicator
- 07 Fan speed indicator
- 08 Air flow direction indicator
- 09 Wind-Free indicator
- 10 Power button
- 11 Temperature button
- 12 Timer button
- 13 Wind-Free 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 (⚡), Wind-Free, Long, Indirect, Direct, Blade 1234, Horizontal air swing 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

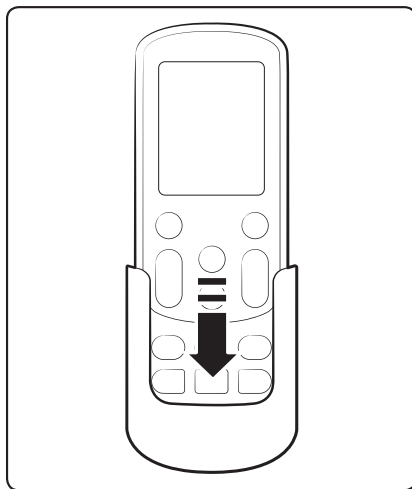
Storing the remote control

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.



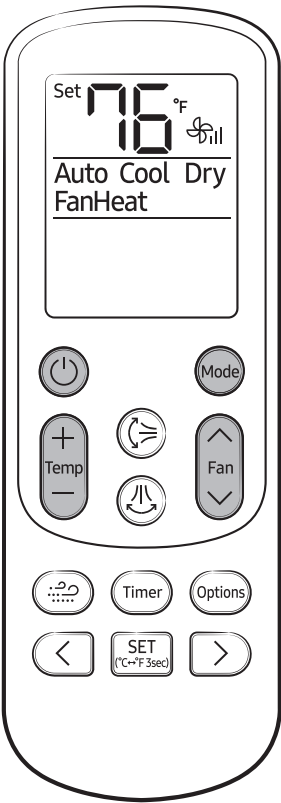
CAUTION

- 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.



Operation modes

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

Controlling temperature

You can control the temperature in each mode as follows:

Mode	Temperature control
Auto/Cool/Dry	Adjust by 1 °F between 65°F and 86°F(18°C and 30°C)
Fan	You cannot control the temperature.
Heat	Adjust by 1 °F between 47°F and 86°F(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.

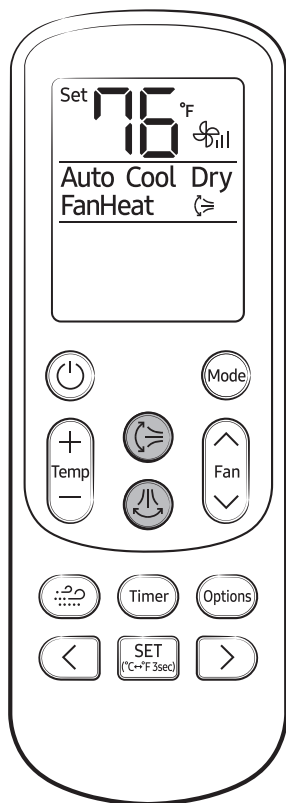
NOTE

- 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.

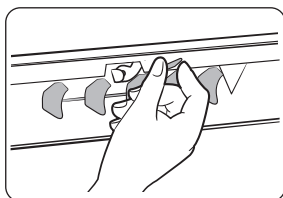
In operation ►

NOTE

- To lock a specific air flow direction, press either the 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

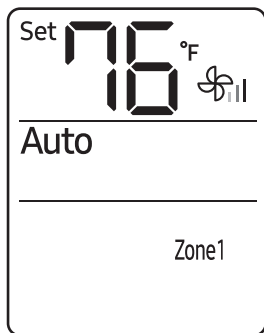
- Although you press the button, this function does not work.



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



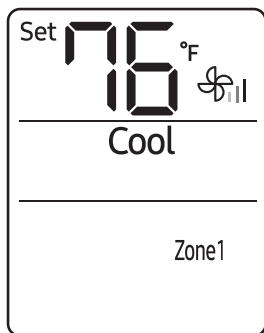
Auto mode

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.



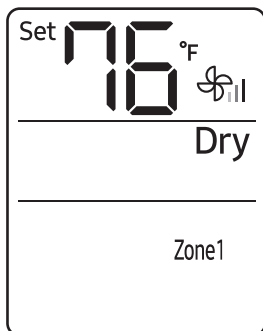
Cool mode

Use the Cool mode to stay cool in hot weather.



NOTE

- For comfort, keep the temperature difference between the indoor and outdoor air within 9°F (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.



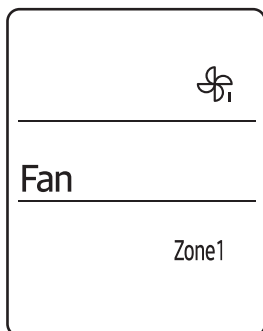
Dry mode

Use the Dry mode in rainy or humid weather.



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

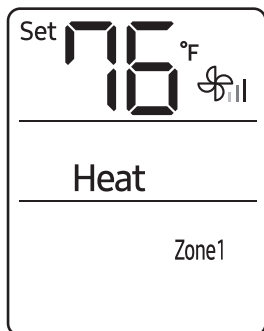
Use the Fan mode to run the air conditioner like a common fan. The air conditioner provides a natural breeze.



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

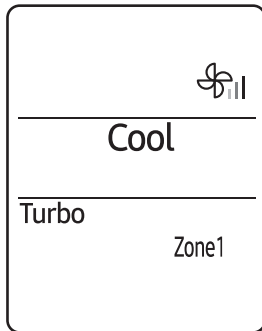
Use the Heat mode to stay warm.



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



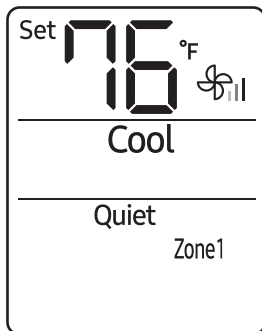
Turbo function

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

In the Cool or Heat mode ► Options ► < > ► Select Turbo. ► SET (°C/°F 3sec)

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, Quiet, or good'sleep are running, these functions are cancelled.



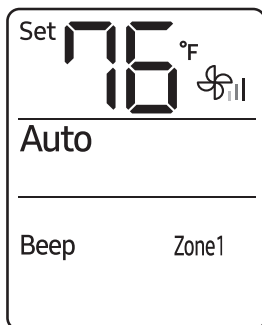
Quiet function

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

In the Cool or Heat mode ► Options ► < > ► Select Quiet. ► SET (°C/°F 3sec)

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.

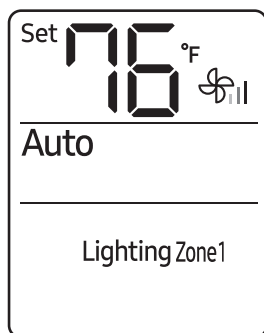


Beep sound function

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

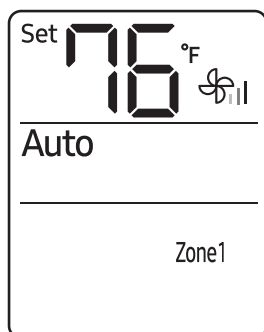
Options ► < > ► Select Beep. ► SET (°C/°F 3sec)

Variety Smart Features



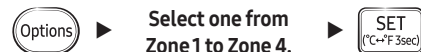
Display lighting function

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



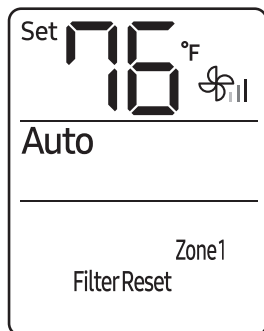
Controlling the indoor units individually

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.

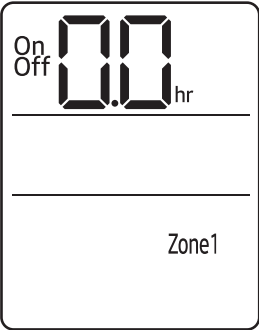


Clearing the filter-cleaning reminder

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

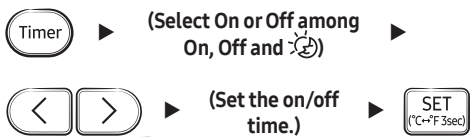


Energy-Saving Features



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.



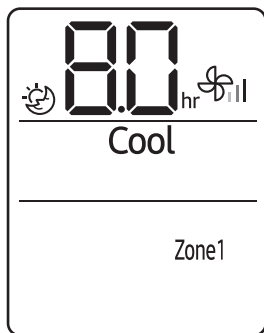
- Press the **Timer** button to change the current function between On, Off, and Sleep. Sleep is displayed in the Cool and Heat mode only.

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.

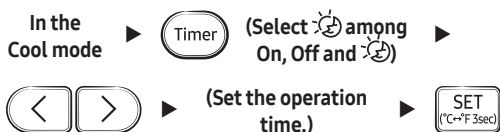
Combining Timed on and Timed off	
When the air conditioner is off	Example) Timed on: 3 hours, Timed off: 5 hours The air conditioner turns on after 3 hours from the moment you start Timed on/off, remains on for 2 hours, then turns off automatically.
When the air conditioner is on	Example) Timed on: 3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

Energy-Saving Features



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.

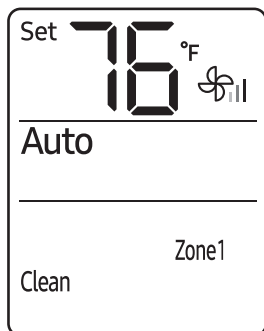


- Press the **Timer** (Timer) button to change the current function between On, Off, and **good'sleep**.

NOTE

- Fan speed and air flow directions are automatically adjusted.
- You can adjust the set temperature by 1 °F (1 °C) between 65 °F (18 °C) and 86 °F (30 °C).
- The recommended set temperature in good'sleep function is 77 °F (25 °C) to 81 °F (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 Wind-Free Cooling, Turbo, or Quiet are running, these functions are cancelled.

Cleaning the Air Conditioner



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

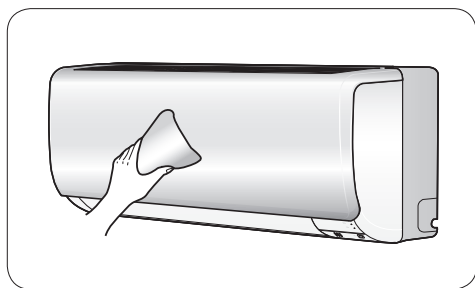
- Depending on the condition of the indoor unit, the Clean operation stops after running for 30 seconds to 20 minutes.
- When the Clean Function is set, Timer Indicator of the indoor unit blinking 3 times. When the Clean Function is cancelled, Timer Indicator of the indoor unit blinking once.
- You cannot 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 Air Conditioner

⚠ CAUTION

- Before cleaning or performing maintenance, cut-off the power supply and wait until the fan stops.

Cleaning the exterior



Wipe the surface of the unit with a slightly wet or dry cloth when needed. Wipe off dirt from oddshaped areas by using a soft brush.

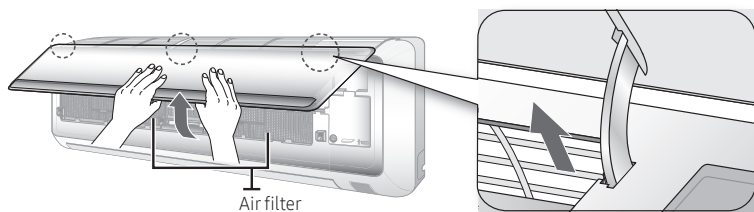
⚠ CAUTION

- Do not clean the display by using alkaline detergent.
- Do not use sulphuric acid, hydrochloric acid, or organic solvents (such as thinner, kerosene, and acetone) to clean the surfaces. Do not put any stickers on it as this can damage the surface of the air conditioner.

Cleaning the filter

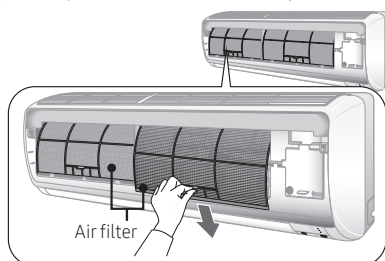
1. Opening the panel

Tightly grab top of the front panel and pull it down to open. Then slightly lift the panel up.



2. Removing the Air filter

Grab the handle and lift it up. Then pull the Air filter towards you and slide it down.

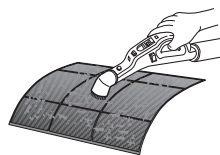


3. Cleaning the air filter

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

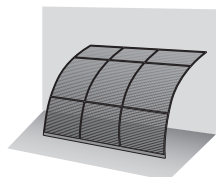
Open the panel and put the Air filter out.

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 and close the front panel.

Dry the Air filter in a ventilated area.



CAUTION

- Do not scrub the air filter with a brush or other cleaning utensil. This may damage the filter.
- Do not expose the air filter to direct sunlight when drying it.



NOTE

- Clean the air filter every 2 weeks. Cleaning term may vary depending on the usage and environmental conditions.
- If the air filter dries in a humid area, it may produce offensive odours. Clean it again and dry it in a well-ventilated area.

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 then turn off the power. 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.
 - a. The above mentioned operations should be performed more frequently if the area of installation is very dusty.
 - b. 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.
De-ice cycle	The internal fan will be off against cold air when the heat pump is heating.
Anti-protection of internal battery	The compressor will be off to protect internal battery when the air conditioner operates in Cool mode.
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 de-ice 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 de-ice cycle is completed.
- When the de-ice 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
The air conditioner does not work at all.	• 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.
I cannot change the temperature.	• 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.
Cool/Warm air does not come out the air conditioner or performance is reduced.	• 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.
I cannot change the air flow direction.	• 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.	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.	- 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.	Check whether you pressed the SET button on the remote control after setting the time.
The indicator blinks continuously.	Press the Power button to turn off the air conditioner or cut-off the power supply. If the indicator is still blinking, contact the service centre.
Odours permeate in the room during operation.	- 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.	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.	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'	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.	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.	Condensation may develop when the ambient temperature changes excessively. This is a normal operation.

Operation Ranges

Operating temperature and humidity

When using the air conditioner follow the operating temperature and humidity ranges.

Mode	Indoor temperature	Outdoor temperature	Indoor humidity	If out of conditions
Cooling	64°F to 90°F (18°C to 32°C)	0 °F to 122 °F (-18 °C to 50 °C)	80% or less	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor. Internal protection triggers and the air conditioner will stop.
Drying	64°F to 90°F (18°C to 32°C)	0 °F to 122 °F (-18 °C to 50 °C)	80% or less	
Heating	86°F or less (30°C or less)	-4 °F to 75 °F (-20 °C to 24 °C)	-	Internal protection triggers and the air conditioner will stop.

 CAUTION

- If you use the air conditioner at a relative humidity above 80%, it may cause a formation of condensation and a leakage of water on the floor.
- The standardized temperature for heating is 45 °F (7 °C). If the outdoor temperature drops to 32 °F (0 °C) or below, the heating capacity can be reduced depending on the temperature condition. If the cooling operation is used at over 90 °F (32 °C) (indoor temperature), it does not cool at its full capacity.
- If the indoor unit is out of the operating temperature and humidity range, the safety device may operate and the air conditioner may stops.

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
AMERICA	888-699-6067 (Samsung HVAC)	www.samsunghvac.com