Features of your new air conditioner **Contents**

Cool Summer Offer

On those hot sweltering summer days and long restless nights, there is no better escape from the heat than the cool comforts of home. Your new air conditioner brings an end to exhausting hot summer days and lets you rest. Beat the heat with your own air conditioner this summer.

Cost Efficient System

Your new air conditioner not only provides maximum cooling power in the summer, but also can be an efficient heating method in the winter with the advanced Heat pump system. Heat pump system is 3 times more efficient compare to the other electrical heating appliance, so you can further reduce its running cost. Now, meet year-round needs with one air conditioner.

Look for Everywhere

The elegant and harmonious design gives priority to the esthetics of your space and complements any of your existing interior décor. With its soft color and rounded-edge shape, the new air conditioner adds class to any room. Enjoy what your air conditioner offers both functionally and esthetically.

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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: samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data corner.html

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:

	Hazards or unsafe practices that may result in severe personal injury or death.
	Hazards or unsafe practices that may result in minor personal injury or property damage.
0	Follow directions.
\otimes	Do NOT attempt.
	Make sure the machine is grounded to prevent electric shock.
ß	Unplug the power plug from the wall socket.
\odot	Do NOT disassemble.

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. 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.

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.

FOR INSTALLATION

WARNING

O 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.
- Never plug the power cord into a socket that is not grounded correctly and make sure that it is in accordance with local and national codes.

FOR INSTALLATION



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.

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.

In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.



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

FOR POWER SUPPLY

WARNING

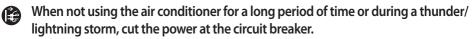


When the circuit breaker is damaged, contact your nearest service center.

- Do not pull or excessively bend the power line. Do not twist or tie the power line. \bigcirc 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.

FOR POWER SUPPLY

▲ CAUTION



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

FOR USING

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- 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, unplug the power plug immediately and contact your 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.

FOR USING



Do not touch the circuit breaker with wet hands.

This may result in electric shock.

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.



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 or the front panel is closing.

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

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 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 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.

FOR USING

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If any foreign substance such as water has entered the appliance, cut the power by unplugging the power plug and turning the circuit breaker off and then contact your 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.

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.

Check that the installation frame of the outdoor unit is not broken at least once a vear.

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.

O 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.

ENGLISH

FOR USING

CAUTION

Do not use this air conditioner to preserve precision equipment, food, animals, \bigcirc 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 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.

FOR CLEANING

WARNING

O 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, unplug the air conditioner from the wall socket 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.

▶ To avoid cutting your fingers, wear thick cotton gloves when cleaning it.



O 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 and maintaining the air conditioner' section.
- Failure to do may result in damage, electric shock or fire.

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	OU	TDOOR TEMPERATURE	INDOOR TEMPERATURE	INDOOR HUMIDITY	
	2.6kW		C/115°F 18°C/64°F to 32°C/90°F		
COOLING	3.5kW	-10°C/14°F to 46°C/115°F			
COOLING	5.2kW			18°C/64°F to 32°C/90°F	
	7.1kW	-15°C/5°F to 50°C/122°F			
	2.6kW		-15°C/5°F to 24°C/75°F 27°C/81°F to less		
HEATING	3.5kW	-15°C/5°F to 24°C/75°F		80% or less	
HEATING	5.2kW		27 C/01 F to less	0070 OF IESS	
	7.1kW	-20°C/-4°F to 24°C/75°F			
	2.6kW		10% // 4% 4+ 22% /00%		
DRYING	3.5kW	-10°C/14°F to 46°C/115°F			
DRIING	5.2kW		18°C/64°F to 32°C/90°F		
	7.1kW	-15°C/5°F to 50°C/122°F			

 The standardized temperature for heating is 7°C/45°F. If the outdoor temperature drops to 0°C/32°F or below, the heating capacity can be reduced depending on the temperature condition.
 If the cooling operation is used at over 32°C/90°F (indoor temperature), it does not cool at its full capacity.

• The use of the air conditioner at a relative humidity above the expected one (80%) may cause the formation of condensate and the leakage of water drops on the floor.

Maintaining your air conditioner

Internal protections via the unit control system

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

Туре	Description	
Against cold air	The internal fan will be off to against cold air when the heat pump is heating.	
De-ice cycle (Defrost cycle)	The internal fan will be off to 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 operate 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 have deposited at low t	rating in Heat mode, De-ice cycle is actuated to remove frost from an outdoor unit that may emperatures. hed off automatically and restarted only after the de-ice cycle is completed.	

Tips on using air conditioner

Here are some tips that you would follow when using your air conditioner.

ΤΟΡΙΟ	RECOMMENDATION
Cooling	 If current outside temperatures are much higher than the selected indoor temperature, it may take time to bring the inner temperature to the desired coolness. Avoid drastically turning down the temperature. Energy is wasted and the room does not cool faster.
Heating	• Since the air conditioner heats the room by taking heat energy from outdoor air, the heating capacity may decrease when outdoor temperatures are extremely low. If you feel the air conditioner insufficiently heats, using an additional heating appliance in combination with the air conditioner is recommended.

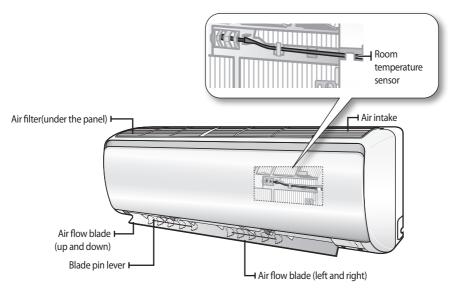
ΤΟΡΙΟ	RECOMMENDATION
Frost & De-ice	 When the air conditioner runs in Heat mode, due to temperature difference between the unit and the outside air, frost will form. If this happens: The air conditioner stops heating. The air conditioner will operate automatically in De-ice mode for 10 minutes. The steam produced on the outdoor unit in De-ice mode is safe. No intervention is required; after about 10 minutes, the air conditioner operates again normally. The unit will not operate when it starts to de-ice.
Fan	 Fan may not operate for about 3~5 minutes at the beginning to prevent any cold blasts while the air conditioner is warming up.
High indoor/ outdoor temperatures	• If both indoor and outdoor temperatures are high and the air conditioner is running in Heat mode, the outdoor unit's fan and compressor may stop at times. This is normal; wait until the air conditioner turns on again.
Power failure	 If a power failure occurs during the operation of the air conditioner, the operating immediately stops and unit will be off. When power returns, the air conditioner will run automatically.
Protection mechanism	 If the air conditioner has just been turned on after operation stops or being plugged in, cool/warm air does not come out for 3 minutes to protect the compressor of the outdoor unit.

Model specification (Dimension and weight)

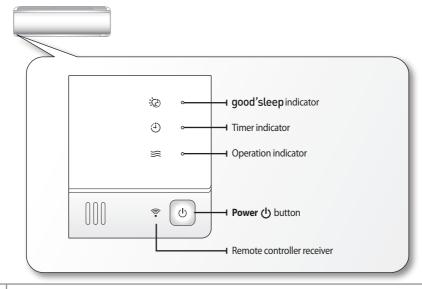
Dimension and weight				
Туре	Type Model Net dimension (WxDxH) (mm)		Net weight(kg)	
	AC026FBRDEH/EU	820*285*215	8.2	
	AC035FBRDEH/EU	820*285*215	8.2	
	AC052FBRDEH/EU	1065*298*230	11.5	
Indoor unit	AC071FBRDEH/EU	1065*298*230	11.5	
indoor unit	AC026JBRPEH/EU	820*285*215	8.2	
	AC035JBRPEH/EU	820*285*215	8.2	
	AC052JBRPEH/EU	1065*298*230	11.5	
	AC071JBRPEH/EU	1065*298*230	11.5	

Viewing the parts

Main parts



Display



· Your air conditioner and display may look slightly different from the illustration shown above depending on your model. NOTE

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Cleaning and maintaining the air conditioner



Make sure the power is turned off and unplugged from the wall socket when cleaning the air conditioner.

Cleaning the indoor unit

 Wipe the surface of the unit with a slightly wet or dry cloth when needed.



Contact the service center when you clean the indoor unit heat exchanger because it needs to be disassembled.



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.



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



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

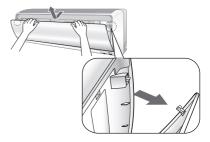




Heat exchanger (Illustration may differ slightly depending on the models)

Opening the panel

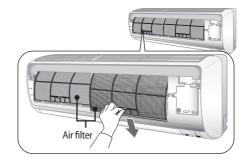
Tightly grab top of the front panel and pull it down to open. Then slightly lift the panel up.



Cleaning and maintaining the air conditioner

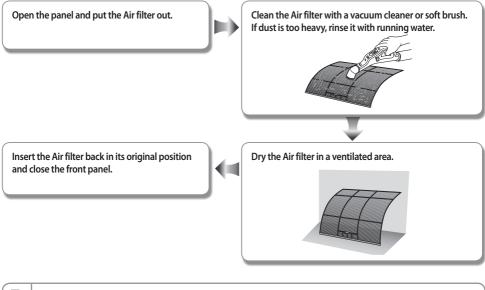
Removing the Air filter

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



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.



► Clean the Air filter every 2 weeks or when the filter clean reminder lights up. Cleaning term may differ depending on the usage and environmental conditions. In dusty area, clean it once a week.

- If you turn off the air conditioner by pressing **Power** 🙂 button, the filter clean reminder will be turned off.
- 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.

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

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.

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.

Туре	Description	Monthly	Every 4 months	Once a year
	Clean the air filter (1)	•		
	Clean the condensate drain pan (2)			•
Indoor unit	Thoroughly clean the heat exchanger (2)			•
	Clean the condensate drain pipe (2)		•	
	Replace the remote control batteries (1)			•
	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)			•
Outdoor unit	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)			•

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



The described operations should be performed more frequently if the area of installation is very dusty.



 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.	 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. Check if you have set the Off Timer. Operate the air conditioner again by pressing the Power button. 	
The temperature adjustment is not working.	 Check if you have selected Fan/Turbo 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.	 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. If you want to operate the air conditioner in the sunlight, cover the outdoor unit using curtains or etc. Check if the air conditioner is operating in De-ice mode. When the ice formed in winter or the outdoor temperature is too low, the air conditioner operates in De-ice mode automatically. In De-ice mode, indoor fan stops and cool 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(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. 	

PROBLEM	SOLUTION	
Remote controller is not working.	 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.	Check if you press the Set button on the remote controller after you have set the time.	
The indicator is blinking continuously.	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.	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.)	
Error is indicated.	When an indoor unit indicator blinks, contact the nearest service center.	
Noise is generated.	 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.	• 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.	• Water may be generated because of the temperature difference. It is normal.	

QUESTIONS OR COMMENTS?

COUNTRY	CALL	OR VISIT US ONLINE AT
UK	0330 SAMSUNG (7267864)	www.samsung.com/uk/support
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ESTONIA	800-7267	www.samsung.com/ee/support

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Commercial-Split Type



Air Conditioner user manual

imagine the possibilities

Thank you for purchasing this Samsung product.



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