Air conditioner **User manual**

AM*DNCDKG**

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



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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 regulatory obligations, e.g. REACH, visit our sustainability page available via www.samsung.com

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

Symbol	Meaning	
	Flammable gas	
	Flammable materials	
Refrigerant Safety Group AZL	Refrigerant safety group	
	Read operating manual	
Ţi	Refer to operating manual	
	Read service manual	

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. This may result in electric shock or fire.
- If the voltage/frequency/rated current condition is different, it may cause fire.

Safety Information

- 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.

This product is equipped with a safety device that operates on electricity.

 To ensure normal operation of the safety device, power must be supplied to the product at all times after installation, except when repairing it.

This product is equipped with a refrigerant leak sensor for the purpose of safety.

- To ensure normal operation of the refrigerant leak sensor, power must be supplied to the product at all times after installation, except when repairing it.
- 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.
 - Make sure that it is in accordance with local and national codes.

↑ CAUTION

- Install your appliance on a level and hard floor that can support its weight.
 - Failing to do so may result in abnormal vibrations, noise, or problems with the product.

Install the drain 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 drain hose so that draining is performed correctly.

 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.

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 odor.

Safety Information

FOR POWER SUPPLY



♠ WARNING

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

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

Safety Information

- O 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.
- If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service centre.
 - 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.

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 to recharge the refrigerant.

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

During the transportation of the indoor unit, the pipelines shall be covered with brackets for protection. Do not move the product by holding the refrigerant or drain pipe connections.

• It may cause gas leakage.

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

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

Safety Information

- O 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 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.

FOR CLEANING



↑ WARNING

- O 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.
- O 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.

Checking before use

Operation ranges

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

MODE	INDOOR	OUTDOOR	INDOOR HUMIDITY	IF OUT OF CONDITIONS
COOLING	18°C to 32°C	-5°C to 48°C	80% or less	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.
HEATING	27°C or less	-20°C to 24°C	-	Internal protection triggers and the air conditioner will stop.
DRYING	18°C to 32°C	-5°C to 48°C	-	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.

↑ 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 rated heating capacity is based on an outdoor temperature of 7°C. If the outdoor temperature goes
 down below 0°C, heating efficiencies may decrease depending on the temperature conditions.
- If the indoor unit is out of the operating temperature and humidity range, the safery device may operate and the air conditioner may stop.
- If the indoor unit is installed in an IT room (for example, a computer room), a separate backup system must
 be installed, and the reliability of our product cannot be guaranteed at temperatures outside the operating
 temperature range.

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.	
Protect compressor The air conditioner does not start operating immediately to protect compressor of the outdoor unit after it has been started.		

NOTE

• If the heat pump is operating in Heat mode, 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.

Tips on using air conditioner

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

TOPIC	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.		
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.		

Checking before use

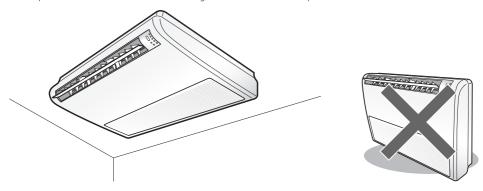
Selecting the best location

Ceiling type (AM056DNC**G***)

You may set up your air conditioner under the ceiling.

Consider interior design, available space and the origin of cool air to select the best location.

* This product must be installed on the ceiling. (Do not make it stand up for use.)



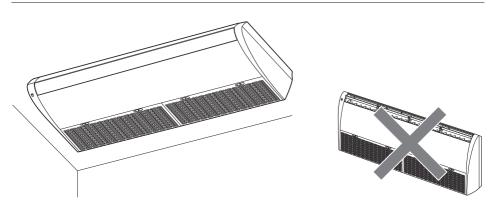
Big Ceiling type (AM071/112/140DNC**G***)

You may set up your air conditioner under the ceiling.

Consider interior design, available space and the origin of cool air to select the best location.

* This product must be installed on the ceiling. (Do not make it stand up for use.)

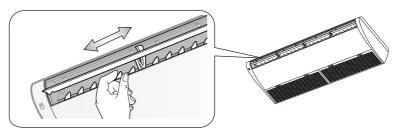
Under the ceiling



Adjusting the air flow direction

You may set up your air conditioner under the ceiling.

Move the each set of inner air flow blades left or right to keep the air flow direction in a constant position you prefer.



⚠ CAUTION

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

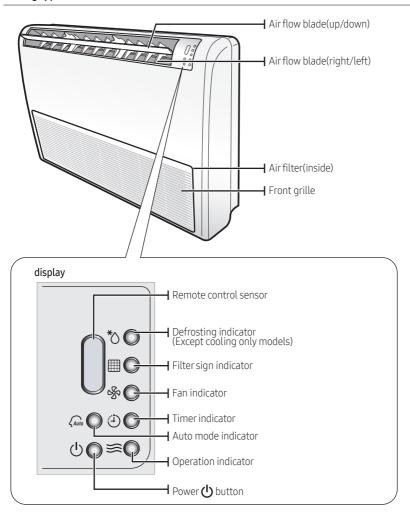
Viewing the parts

Congratulations on the purchase of the air conditioner. We hope you enjoy the features of your air conditioner and stay cool with optimal efficiency.

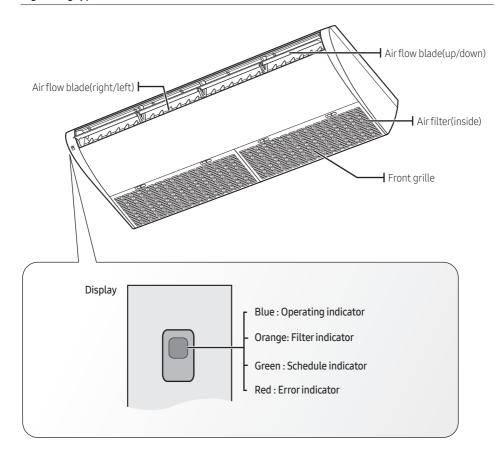
Please read the user manual to get started and to make the best use of the air conditioner.

Main parts

Ceiling type (AM056DNC**G***)



Big Ceiling type (AM071/112/140DNC**G***)



■ NOTE

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

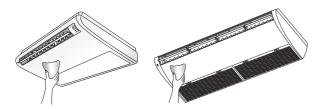
A Before cleaning the indoor unit, be sure to turn off the auxiliary power switch.

Cleaning the indoor unit exterior

When cleaning the exterior, make sure to turn off the auxiliary power switch. No special tools are needed to clean it.

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

Wipe off dirt of odd-shaped area by using a soft brush.



⚠ CAUTION

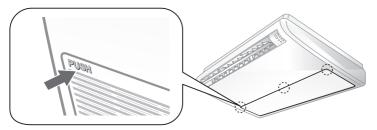
- Do not use alkaline detergent, sulphuric acid, hydrochloric acid, or organic solvents (such as thinner, kerosene, and acetone) to clean the surfaces.
 - They may damage the surface of the air conditioner and can create a risk of fire.
- Do not put any stickers on it as this can damage the surface of the indoor unit.

Cleaning the filter

Ceiling type (AM056DNC**G***)

When cleaning the exterior, make sure to turn off the auxiliary power switch. Washable foam based Air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

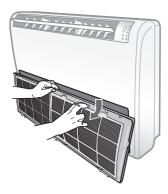
1 Open the front grille. Push the [PUSH] tabs located in 3 places to unlock the groove on the front grille.



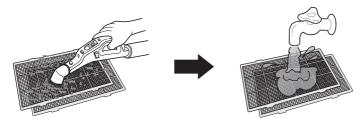
2 Detach the front grille. Hold the front grille at about 45° angle. Push the bottom part of the grille to make sure it is unhooked. Then, lift up the front grille.



3 Pull out the Air filter. Slightly press the air filter and then pull the air filter out.



4 Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



- 5 Insert the Air filter back in its original position.
- 6 Close the front grille.

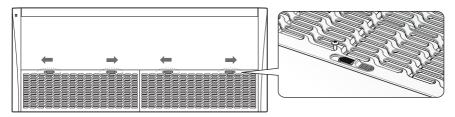
NOTE

- The illustration shown above may differ from yours depending on your model.
- After cleaning the filter, press the **Filter Reset** button on the remote control for 2 seconds to reset the filter schedule. Filter sign indicator will be on for cleaning time.

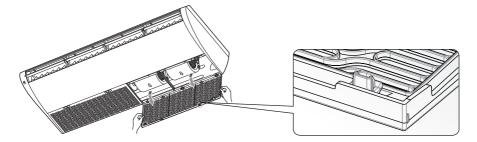
Big Ceiling type (AM071/112/140DNC**G***)

When cleaning the filter, make sure to turn off the auxiliary power switch. Washable foam based Air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

1 Open the front grille. Slide the both hooks and unscrew two screws by screw driver from both of front grille.



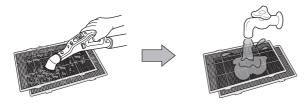
2 Detach the front grille.
Open the grill and push it gently (over 100°) to detach the grille. Then, lift up the front grille.



3 Pull out the Air filter. Slightly press the air filter and then pull the air filter out.



4 Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



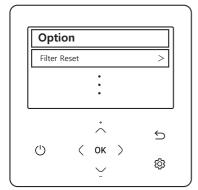
- **5** Insert the Air filter back in its original position.
- 6 Close the front grille.

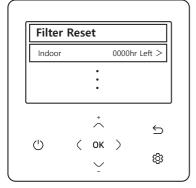
NOTE

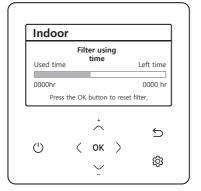
- The illustration shown above may differ from yours depending on your model.
- After cleaning the filter, press the **Filter Reset** button on the remote control for 2 seconds to reset the filter schedule. Filter sign indicator will be on for cleaning time.

Resetting the filter-cleaning reminder

Programmable Wired Controller







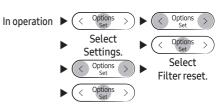
After cleaning and reassembling the air filter, be sure to reset the filter-cleaning reminder as follows:

- Indoor unit with the wired remote control:
 - a. Press the 🚱 button to display the **Option** menu.
 - b. Press the) button to select **Filter Reset** and press the **OK** button.
 - c. Press the button to select **Indoor** and press the **OK** button to display **Filter using time**.
 - d. Press the **OK** button to reset the air filter.

Wireless Remote Control



• Indoor unit with the wireless remote control:



↑ CAUTION

- The filter reset indicator blinks when the air filter should be cleaned.
- Although the filter cleaning indicator (Yellow green light) does not light, be sure to set the "Filter Reset" after cleaning the air filter.
- If the angle of the airflow blade is changed by opening the front grille for installation or maintenance of the indoor unit, be sure to turn off and then on the auxiliary switch before operating the indoor unit again. If not, the angle of the air flow blade may change and the blades may not be closed after turning off the indoor unit.

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 turn off the circuit breaker. 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 2 months	Every 6 months	Once a year	10 years
	Clean the air filter	•				
	Clean the condensate drain pan			•		
Indoor unit	Thoroughly clean the heat exchanger			•		
	Clean the condensate drain pipe		•			
	R-32 detecting sensor					•
	Clean the heat exchanger on the outside of the unit		•			
	Clean the heat exchanger on the inside of the unit			•		
Outdoor unit	Verify that all the electric components are firmly tightened			•		
	Clean the fan			•		
	Verify that all the fan assembly is firmly tightened			•		
	Clean the condensate drain pan			•		

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

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 If the period of use of the R-32 detecting sensor exceeds 5 years, "E695" is displayed on the wired remote control. The product works normally. Six months before the expiration of the period of use date, "E699" is displayed on the wired remote control, and the product operates normally.
 - If the period of use date exceeds 10 years, the wired remote control displays "E700", and the use of the product is restricted.
 - It must be replaced through Samsung Electronics Service Center before the expiration of the period of use date.
- **3** These operations must always be performed by qualified personnel. For more detailed information, refer to the Installation Manual.

Troubleshooting

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

Problem	Solution		
The product does not	Connect an R-32-exclusive wired remote control.		
work.	* MWR-WG01*N		
Error E694	* R-32-exclusive wired remote controls should be purchased separately.		
An alarm sounds, and the product does not work. Error E696	 This is intended to determine whether there is a leak or not, as R-32 refrigerant is sensed. The indoor unit determines again whether or not there is a refrigerant leak while operating for 2 minutes using Fan mode (specifically High speed). If there is no refrigerant leak, the indoor unit stops operating, the error is cleared and the product can operate normally. The R-32 sensor, embedded in the indoor unit, reacts not only to R-32 refrigerant but also to high-concentration chemicals (e.g. organic solvents, hair spray and paint). Do not use any high-concentration chemicals in the vicinity of the indoor unit, as these may cause false operation of the sensor. 		
An alarm sounds, and the product does not work. Error E697, E797	The "E697" alarm sounds when the R-32 refrigerant leaks. To alert customers about the refrigerant leak, the wired remote control displays the screen shown below, and an alarm sounds for 4 minutes. This alarm can be turned off by pressing the OK button on the wired remote control for 3 seconds. Indoor address: 200001 Error code: E697 Press the 'OK' button for 3 seconds to dismiss the alert. The refrigerant inside the product has been recovered and held in the outdoor unit. Ventilate the room for which the alarm was activated. When E697 alarm occurs, E797 error is displayed in other indoor unit connected to the corresponding indoor unit and operation is stopped and does not work. Contact the Samsung Electronics service center for assistance.		

Problem	Solution
The product does not work. Error E116, E698, E699, E700	 This error occurs when the R-32 refrigerant sensor has a malfunction or the sensor's life has expired. Display "E116" or "E698" when a sensor failure occurs The R-32 sensor's lifespan is 10 years. The wired remote control displays 'E699' 6 months before the sensor's lifespan expires. After the sensor's lifespan expires, the wired remote control displays 'E700', and the product usage is limited. Contact the Samsung Electronics service center for assistance.
The air conditioner does not operate immediately after it has been restarted.	Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
I IN 5 MINUTES	
The temperature does not change.	Check whether the Fan mode is running. In the Fan mode, the air conditioner controls the set temperature automatically, and you cannot change the set temperature.
Warm air does not come out of the air conditioner.	 Check whether the outdoor unit is designed for cooling only. In this case, warm air does not come out although you select the Heat mode. Check whether the remote control is designed only for cooling only. Use a remote control that supports both cooling and heating.
The fan speed does not change.	Check whether the Auto or Dry mode is running. In these modes, the air conditioner controls the fan speed automatically, and you cannot change the fan speed.

Problem	Solution	
The wireless remote control does not operate.	 Check whether the batteries are discharged. Make sure that nothing is blocking the remote control sensor. Check whether any strong lighting sources are near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interfere with the remote control. 	
The wired remote control does not operate.	Check whether the ! indicator is displayed at the bottom right of the remote control display. In this case, turn off both the air conditioner and the auxiliary power switch, and then contact a service center.	
The air conditioner is not turned on or off immediately with the wired remote control.	Check whether the wired remote control is set for group control. In this case, the air conditioners connected to the wired remote control are turned on or off sequentially. This operation takes up to 32 seconds.	
The Timed on/off function does not operate.	Check whether you pressed the (SET) button on the remote control after setting the on/off time. Set the on/off time.	
The indoor unit display blinks continuously.	 Turn on the air conditioner again by pressing the (Power) button. Turn off and then turn on the auxiliary power switch, and then turn on the conditioner. If the indoor unit display is still blinking, contact a service center. 	
I want to get cooler air.	Operate the air conditioner with a electric fan to save energy and enhance the cooling efficiency.	
The air is not cool or warm enough.	 In the Cool mode, cool air does not come out if the set temperature is higher than the current temperature. Remote control: Press the Temperature button repeatedly until the set temperature [minimum: 18°C] is set to lower than the current temperature. In the Heat mode, warm air does not come out if the set temperature is lower than the current temperature. Remote control: Press the Temperature button repeatedly until the set temperature [maximum: 30°C] is set to higher than the current temperature. Both cooling and heating do not operate in the Fan mode. Select the Cool, Heat, Auto, or Dry mode. Check whether the air filter is blocked with dirt. A dusty filter may decrease the cooling and heating efficiencies. Clean the air filter frequently. If a cover is on the outdoor unit or any obstacle is present near the outdoor unit, remove them. Install the outdoor unit in a well-ventilated place. Avoiding places exposed to direct sunlight or close to a heating appliance. Place a sunscreen over the outdoor unit to protect it from direct sunlight. If the indoor unit is installed in a place exposed to direct sunlight, pull the curtains on the windows. 	

Problem	Solution
The air is not cool or warm enough.	 Close the windows and doors to maximize the cooling and heating efficiencies. If the Cool mode is stopped and then started immediately, cool air comes out after about 3 minutes to protect the compressor of the outdoor unit. When the Heat mode is started, warm air does not come out immediately to prevent cool air from coming out at the beginning. If the refrigerant pipe is too long, the cooling and heating efficiencies may be decreased. Avoid exceeding the maximum pipe length.
The air conditioner makes strange noises.	 In certain conditions (especially, when the outdoor temperature is lower than 20°C), a hissing, rumbling, or splashing sound may be heard while the refrigerant is circulating through the air conditioner. This is a normal operation. When you press the (1) (Power) button on the remote control, noise may be heard from the drain pump inside the air conditioner. This noise is a normal sound.
Unpleasant odours permeate the room.	 If the air conditioner is running in a smoky area or if there is a smell entering from outside, ventilate the room properly. If both indoor temperature and indoor humidity are high, operate the air conditioner in the Clean or Fan mode for 1 to 2 hours. If the air conditioner has not been operated for an extended period of time, clean the indoor unit and then operate the air conditioner in the Fan mode for 3 to 4 hours to dry the inside of the indoor unit for removal of unpleasant odours. If the air filter blocked with dirt, clean the air filter.
Steam is produced on the indoor unit.	In winter, if the indoor humidity is high, steam may be produced around the air outlet while the defrost function is running. This is a normal operation.
The outdoor unit fan continues to operate when the air conditioner is turned off.	When the air conditioner is turned off, the outdoor unit fan may continue to operate to reduce noise of the refrigerant gas. This is a normal operation.
Water drops from the piping connections of the outdoor unit.	Condensation may develop due to the difference in temperature. This is a normal condition.
Steam is produced on the outdoor unit.	In winter, when the air conditioner runs in the Heat mode, the frost on the heat exchanger melts and steam may be produced. This is a normal operation, neither product malfunction nor a fire.

Technical specifications

Туре	Model	Net weight (kg)	dimension(W x D x H) (mm)
Ceiling	AM056DNCDKG/EU	20.8	1000*650*200
	AM071DNCDKG/EU	34.0	1350*675*235
Big Ceiling	AM112DNCDKG/EU	34.0	1350*675*235
	AM140DNCDKG/EU	42.0	1650*675*235

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.

Refrigerant type	GWP value
R-32	675

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

SmartThings app

To use the SmartThings app, connect the product to the network in the sequence described below. The images shown may differ depending on your smartphone model, OS version and manufacturer. You need to set up the Wi-Fi access point only when connecting the product to a Wi-Fi network. Once the product is connected, you can use the SmartThings app via Wi-Fi, 3G, LTE, 5G or more wireless networks.

Checking the power connections

Check if the power is connected to the product and the access point.

- Setting up and connecting to a Wi-Fi access point using your smartphone
- 1 To connect the product to a Wi-Fi network, turn on Wi-Fi at "Settings > Wi-Fi", and then select the access point to connect to
- Only alphanumeric characters are supported for wireless access point names (SSIDs). If an SSID has a special character, rename it before connecting to it.
- This product supports only Wi-Fi 2.4 GHz.





- 2 Turning off "Switch to mobile data" at "Settings > Wi-Fi" on your Smartphone
- If "Switch to mobile data" or "Adaptive Wi-Fi" is turned on, you cannot connect to the network.
 Be sure to turn off these functions before connecting to the network.





- NOTE
- The setup may differ depending on your smartphone model, OS version and manufacturer.

3 Checking the Internet connectivity

 After connecting to Wi-Fi, check that your smartphone is connected to the Internet.

NOTE

- A firewall may prevent your smartphone from connecting to the Internet. Contact your Internet service provider for troubleshooting.
- 3 Downloading the SmartThings app and registering your Samsung account
- 1 Downloading the SmartThings app
- Search for "SmartThings" on Play Store or App Store, and download the SmartThings app to your smartphone.
- If the SmartThings app is already installed on your smartphone, update it to the latest version.
- NOTE
- The SmartThings app supports Android OS 7.0 or later (with at least 2 GB RAM) and iOS 12.0 or later. The app is optimized for iPhone 6s or later and Samsung smartphones (Galaxy S and Note series).
 The updates of the SmartThings app or the functions supported by it may be discontinued for the previously supported OS versions due to reasons such as usability and security.
- The SmartThings app may change without prior notice to improve product usability and performance.

SmartThings app

2 Registering your Samsung account

 A Samsung account is required to use the SmartThings app. To create your Samsung account and log in to your account, follow the instructions displayed on the SmartThings app. You do not need to install an additional app.

NOTE

- If you already have a Samsung account, log in to the account. If you have a smartphone that is a Samsung device and you have a Samsung account, your smartphone is automatically logged in to your account.
- If you log in from a smartphone produced for another country, you need to log in with its country code when you create your Samsung account, and the SmartThings app may not be used on some smartphones.

Connecting the SmartThings app to your product

1 Selecting the product to connect to

- 1) Start the SmartThings app about one minute after turning on the product to connect to.
- After the SmartThings app is started, select 'ADD NOW' when a pop-up window saying that a product to connect to is found appears.



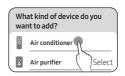
 If the pop-up window does not appear, select "+", and then "Add Device".





You can add a product you want to connect to by selecting it manually or by selecting "Scan nearby".

- Select manually: Samsung devices > Air conditioner
- Scan: Scan nearby > Air conditioner





2 Connecting the SmartThings app to your product

- Follow the instructions displayed on the SmartThings app to connect to your product.
- For information on how to use the SmartThings app, select the How To menu on the app.

NOTE

- If any pop-up window appears on the top of the smartphone while connecting to your product, do not select it.
- If a pop-up window saying that the device is already registered appears during connecting to your product, get permission using "REQUEST PERMISSION" from a user already connected to the product, or create a new account using "REGISTER MY ACCOUNT" to independently connect to the product.
- If a Samsung account-related country error occurs while connecting to your product, log out of your current Samsung account, log in to your previous Samsung account, and then delete all devices that have been connected previously. Then, log in to your current Samsung account again, and configure the settings.

- If a failure message appears while adding a device, see "Setting up and connecting to a Wi-Fi access point using your smartphone" on page 33. The connection may fail temporarily due to an installation location problem of the access point or other problems.
- If a message appears on the SmartThings app, follow its instructions

NOTE

- For the security protocols for wireless/wired access points, WPA-PSK and WPA2-PSK are recommended. For the authentication methods, AES is recommended. New Wi-Fi authentication specifications and Wi-Fi non-standard authentication methods are not supported.
- The product supports the IEEE802.11 b/a/n (2.4 GHz) communication protocol. (Samsung recommends IEEE802.11n.)
- If your Internet service provider has permanently registered the MAC address (a unique identification number) of your PC or modem, you may not be able to connect your product to the Internet. Contact your Internet service provider and ask how to connect devices other than your PC (such as an air conditioner and an air purifier) to the Internet

Open Source Announcement

The software included in this product contains open source software.

The following URL http://opensource.samsung.com/ opensource/SMART_TP1_0/seq/0 leads to open source license information as related to this product.



Security updates information

Security updates are provided to strengthen the security of your device and protect your personal information. For more information on security updates, visit https://security.samsungda.com.

* The website supports only some languages.

Troubleshooting

Check the following before requesting a service from the Service Center

Symptom		Measure
The installed SmartThings app cannot access the air conditioner.		Make sure you have connected the air conditioner to a wireless router.
I cannot log in with my Samsung account.		Try recovering your ID and password from the Samsung account page.
Adding device(s)	A failure message appears while adding devices.	This may fail temporarily due to the distance from the router or some interferences. Try again later.
	While adding the device, the progress stops at 0%-1% and a message appears saying that adding the device has failed.	You cannot add any device without deleting it once the device has already been added to the SmartThings app. To add the connected device again, first remove it and then proceed with the process.
	While adding the device, the progress is stuck at 99% and a message appears saying that adding the device has failed.	 If you are using a Samsung smartphone, the server may not be connected temporarily. Restart the SmartThings app and then try adding the device again. If your phone is not a Samsung product, check that you have entered a wrong Wi-Fi password. Try adding devices again.
	The app displays an authorization failure before pressing the user agreement button.	Check if a Wi-Fi Kit Single is already connected from the SmartThings app. When there are devices added, first remove them and try again.
	The app displays an authorization failure on the user agreement screen.	Make sure to press the [Power] button within 2 minutes after the screen appears. Try adding devices again.
	The screen requests to initialize the user account.	This happens when the user has already added devices. Follow the instructions provided in the SmartThings app.
After adding a device, the SmartThings app displays the disconnection event.		This happens when a device is being added to the server or it is temporarily disconnected from the router. End the SmartThings app and then launch it again.

Regulatory Notice

Wi-Fi						
Frequency Range	Transmitter Power (Max)					
2412 - 2472 MHz	20 dBm					

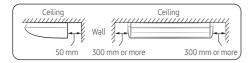
Bluetooth						
Frequency Range	Transmitter Power (Max)					
2402 - 2480 MHz	20 dBm					

Hereby, Samsung declares that this radio equipment is in compliance with Directive 2014/53/EU and with the relevant statutory requirements in the UK. The full text of the EU declaration of conformity and the UK declaration of conformity is available at the following internet address: http://www.samsung.com, go to Support > Search Product Support and enter the model name.

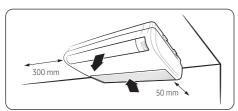
Installation Procedure

Spacing requirements

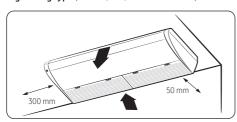
It is recommended to install the Y-joint before installing the indoor unit.



Ceiling type (AM056DNC**G***)



Big Ceiling type (AM071/112/140DNC**G***)



↑ CAUTION

Floor Installation Not Available.

Installing the indoor unit

Ceiling installation

Ceiling type (AM056DNC**G***)

Select pipe directions.

When the directions are selected, drill 3-1/8"-(100mm, for pipe and cables) and 1-3/4"-(40mm, for drain hose) diameter holes on the wall so that it slants slightly downwards toward the outdoor for smooth water flow.

NOTE

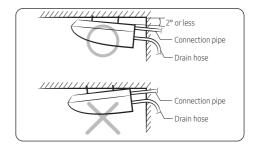
- Use the pattern sheet to select pipe directions.
- Drill holes for anchor bolts according to the distance and mount them.

NOTE

- · Use the pattern sheet.
- 3 Install the unit onto the ceiling. Be sure to arrange the drain hose so that it is leveled lower than the drain hose connecting port of the indoor unit.

NOTE

For proper drainage of condensate, give a 2° or less slant to the side of the unit which will be connected with the drain hose as shown in the figure. (The gap between the lower end of the indoor unit and the ceiling should be 12 mm or less.)



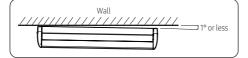


CAUTION

- Ensure that the ceiling is strong enough to support the weight of the indoor unit.
- Before hanging the unit, test the strength of each attached suspension bolt.
- Install the drain hose from the rear of the unit.



 The gap between the lower end of the indoor unit and the ceiling should be 1° (16 mm) or less.



Ceiling installation

Big Ceiling type (AM071/112/140DNC**G***)

Select pipe directions.

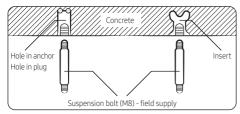
When the directions are selected, drill 3-1/8"-(100mm, for pipe and cables) and 1-3/4"-(40mm, for drain hose) diameter holes on the wall so that it slants slightly downwards toward the outdoor for smooth water flow.

NOTE

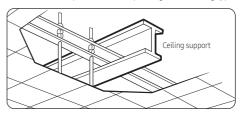
- Use the pattern sheet to select pipe directions.
- 2 Drill holes for anchor bolts according to the distance and mount them.

NOTE

- · Use the pattern sheet.
- 3 Insert bolt anchors. Use existing ceiling supports or construct a suitable support as shown in figure.



4 Install the suspension bolts depending on the ceiling type.



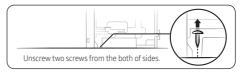


\ CAUTION

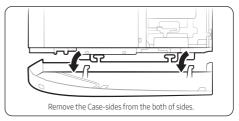
- Ensure that the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.
- If the length of suspension bolt is more than 1.5m, it is required to prevent vibration.
- If this is not possible, create an opening on the false ceiling in order to be able to use it to perform the required operations on the indoor unit.
- 5 Screw eight nuts to the suspension bolts making space for hanging the indoor unit.



- · You must install all the suspension rods.
- 6 When Hanging the set, firstly unscrew the screws from the both of sides, and then disassemble the Case-sides, or else the case-side will be damaged by disassembling it directly.

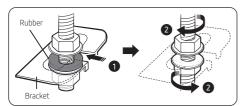


7 Reassemble the Case-sides, tightening the screws after hanging the set.



Installation Procedure

8 Hang the indoor unit to the suspension bolts between two nuts.

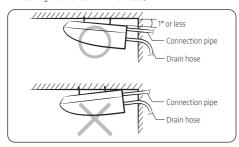




- Piping must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the piping into position for connection to the unit before placing the unit inside the ceiling.
- 9 Screw the nuts to suspend the unit.
- 10 Adjust level of the unit by using measurement plate for all 4 sides.

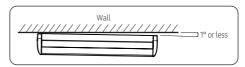
NOTE

 For proper drainage of condensate, give a 1° or less slant to the side of the unit which will be connected with the drain hose as shown in the figure. (The gap between the lower end of the indoor unit and the ceiling should be 12 mm or less.)



NOTE

- AM071/112DNC**G**: The gap between the lower end of the indoor unit and the ceiling should be 1° (23 mm) or less.
- AM140DNC**G**: The gap between the lower end of the indoor unit and the ceiling should be 1° (28 mm) or less.



Performing the gas leak test

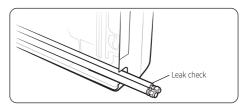
LEAK TEST WITH NITROGEN (before opening valves)

In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R-32, it's responsable of installer to pressurize the whole system with nitrogen (using a cylinder with pressure reducer) at a pressure above 40 bar (gauge).

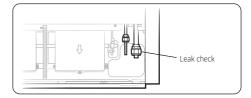
LEAK TEST WITH R-32 (after opening valves)

Before opening valves, discharge all the nitrogen into the system and create vacuum. After opening valves check leaks using a leak detector for refrigerant R-32.

Ceiling type (AM056DNC**G***)



Big Ceiling type (AM071/112/140DNC**G***)



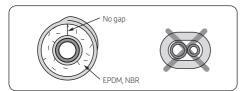
NOTE

 The designs and shape are subject to change according to the model.

Insulating the refrigerant pipes

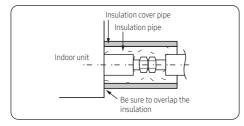
Once you have checked that there are no leaks in the system, you can insulate the piping and hose.

 To avoid condensation problems, place Acrylonitrile Butadien Rubber separately around each refrigerant pipe.



NOTE

- · Always make the seam of pipes face upwards.
- 2 Wind insulating tape around the pipes and drain hose avoiding to compress the insulation too much.
- **3** Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.
- 4 The pipes and electrical cables connecting the indoor unit with the outdoor unit must be fixed to the wall with suitable ducts.



À

CAUTION

- Must fit tightly against body without any gap.
- All refrigerant connection must be accessible, in order to permit either unit maintenance or removing it completely.

- **5** Select the insulation of the refrigerant pipe.
 - Insulate the gas side and liquid side pipe referring to the thickness according to the pipe size.
 - Indoor temperature of 30 °C and humidity of 85 % is the standard condition.
 - If installing in a high humidity condition, use one grade thicker insulator by referring to the table below.
 - If installing in an unfavorable conditions, use thicker one.
 - Insulator's heat-resistance temperature should be more than 120 °C.

		Insulation Type (
Pipe	Pipe size	Standard [30 °C, 85 %]	Remarks		
		EPDM			
Liquid	Ø 6.35 ~ Ø 9.52	9 t	9 t		
pipe	Ø 12.7 ~ Ø 19.05	13 t	13 t	Internal	
	Ø 6.35	13 t	19 t	temperature	
	Ø 9.52			is higher than 120 °C	
Gas pipe	Ø 12.70	19 t	25 t		
' '	Ø 15.88	191	251		
	Ø 19.05				

When installing insulation in places and conditions below, use the same insulation that is used for high humidity conditions

<Geological condition>

 High humidity places such as shoreline, hot spring, near lake or river, and ridge (when the part of the building is covered by earth and sand.)

Operation purpose condition>

Restaurant ceiling, sauna, swimming pool etc.

<Building construction condition>

 The ceiling frequently exposed to moisture and cooling is not covered.

e.g. The pipe installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently.

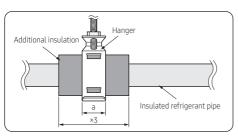
 The place where the pipe is installed is highly humid due to the lack of ventilation system.

Installation Procedure

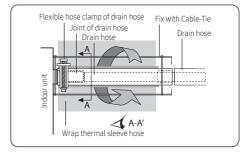


CAUTION

- Install the insulation not to get wider and use the adhesives on the connection part of it to prevent moisture from entering.
- Wind the refrigerant pipe with insulation tape if it is exposed to outside sunlight.
- Install the refrigerant pipe respecting that the insulation does not get thinner on the bent part or hanger of pipe.
- Add the additional insulation if the insulation plate gets thinner.



- 2 Insulate and fix the drain hose according to the figure.
 - Insert the drain hose to bottom of the outfall of water basin.
 - Lock flexible hose clamp of the drain hose according to the figure.
 - Wind and wrap flexible hose clamp and drain hose fully with thermal insulation sponge; fix both ends of external layer with ribbon for thermal insulation.
 - After being installed, drain hose must be insulated fully by heat insulating material. (To be provided at site.)



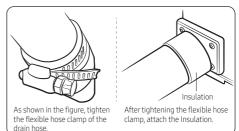
Installing the drain hose and drain pipe

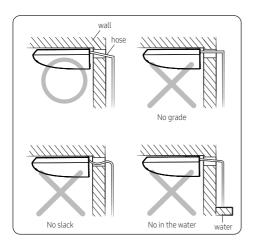
Ceiling type

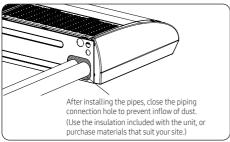
Care must be taken when installing the drain hose for the indoor unit to ensure that any condensation water is correctly drained outside. When passing the drain hose through the hole drilled in the wall, check that none of the following situations occur.

The drain hose can be installed to the right of the base pan. (Big Ceiling type: AM071/112/140DNC**G***)

- 1 Installing the drain hose should be the shorter, the better.
 - In order to discharge condensation water, the drain hose should keep tilted.
 - Fix the drain hose with Cable-Tie, so that it will not separate from the machine.







NOTE

Please follow national and local electrical codes.
 Additional electrical connection components may be required.

Wiring work

Power and communication cable connection

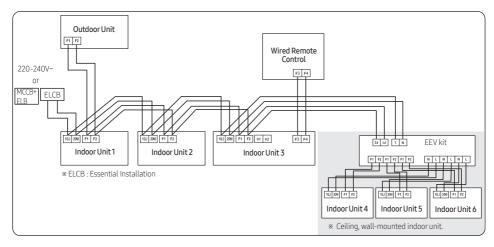
- 1 Before wiring work, you must turn off all power source.
- 2 Indoor unit power should be supplied through the breaker(ELCB or MCCB+ELB) separated by the outdoor power.

ELCB: Earth Leakage Circuit Breaker

MCCB: Molded Case Circuit Breaker

ELB: Earth Leakage Breaker

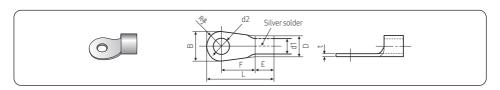
- 3 The power cable should be used only copper wires.
- 4 Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.
- 5 Connect F3, F4(for communication) when installing the wired remote control.



⚠ WARNING

• Power off before connecting any wires; Indoor PBA will be damaged while V1,V2,F3,F4 short each other.

Selecting compressed ring terminal



Norminal	l Norminal B		3	[)	d1		Е	F	L	d	2	t																			
dimensions for cable (mm²)		Standard dimension (mm)	Allowance (mm)	Standard dimension (mm)	Allowance (mm)	Standard dimension (mm)	Allowance (mm)	Min.	Min.	Max.	Standard dimension (mm)	Allowance (mm)	Min.																			
1.5	4	6.6	±0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	3.4	+0.3	1.7	±0.2	4.1	6	16	4.3	+0.2	0.7
1.5	4	8		3.4	3.4	J.4	3.4	3.4	3.4	3.4	-0.2	1.7	±0.2	4.1	0	10	4.3	0	0.7													
2.5	4	6.6	±0.2	10.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	+0.2	4.2	+0.3	2.7	+0.2	,	,	17.5	4.7	+0.2	0.8							
2.5	4	8.5		4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	1 /2 .	-0.2	2.3	±0.2 6	0	6	17.5	4.3	0	0.8							
		4 9.5	±0.2	5.6	+0.3	7.4	7.4	±0.2	,	-	20	4.3	+0.2	0.9																		
4	4		±0.2		-0.2	3.4	±0.2	6	Э	20	4.5	0	0.9																			

Specification of electronic wire

Powersupply	мссв	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 242V	XA	XA, 30mmA	2.5mm2	2.5mm2	0.75~1.5mm2
Min : 198V	XA	0.1 s	2.5111112	2.5111112	0.75~1.5111112

- Decide the capacity of ELCB(or MCCB+ELB) by below formula.
- Power supply cords of parts of appliances for outdoor use shall not be lighter than polychloroprene sheathed flexible cord.
 (Code designation IEC:60245 IEC 57 / CENELEC: H05RN-F or IEC:60245 IEC 66 / CENELEC: H07RN-F)

The capacity of ELCB(or MCCB+ELB) X[A] = 1.25 X 1.1 X ∑Ai

- TX: The capacity of ELCB(or MCCB+ELB).
- Τ ΣAi : Sum of Rating currents of each indoor unit.
- T Refer to each installation manual about the rating current of indoor unit.
- Decide the power cable specification and maximum length within 10% power drop among indoor units.

$$\sum_{\substack{C \in \mathbb{Z} \\ k=1}}^{n} \frac{\text{Coef} \times 35.6 \times \text{Lk} \times \text{ik}}{1000 \times \text{Ak}}$$
 \(\text{10% of input voltage[V]}



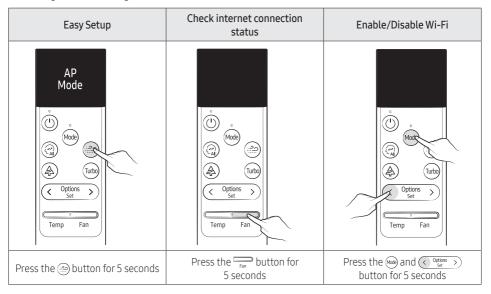
WARNING

- In case of extending the electric wire, please DO NOT use a round-shaped pressing socket.
 - Incomplete wire connections can cause electric shock or a fire.



LED Display indicator specifications when checking Wi-Fi Easy Setup and Wi-Fi status

The wireless remote control can be used for Easy Setup, checking the internet connection status and connecting or disconnecting Wi-Fi.

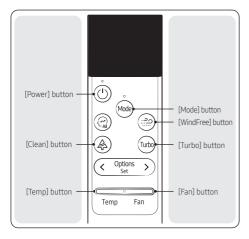


Setting the indoor unit addresses and the installation options

You cannot set both indoor unit addresses and the installation options in a batch: set both respectively.

Common steps for setting the addresses and options

Remote controls

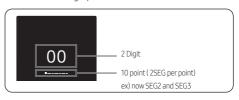


NOTE

- The remote control display and buttons may vary depending on the model.
- 1 Enter the mode for setting the options.
 - a. Reset remote control: Temp button Down +

 Down + Press for 10 seconds
 - b. You can see the "SW Initialization" message and enter the following in 5 seconds.
 - c. Press button and button for 5 seconds.

d. Make sure that you are entered to the mode for setting options.



2 Set the option values.

↑ CAUTION

- The total number of available options are 24: SEG1 to SEG24
- Because SEG1, SEG7, SEG13 and SEG19 are the page options used by the previous remote control models, the modes to set values for these options are skipped automatically.
- Set a 2-digit value for each option pair in the following order.
- You can see 20 SEG (except SEG1, SEG7, SEG13, SEG19) SEG2 → ... → SEG6 → SEG8 → → SEG12 → SEG14 → → SEG18 → SEG20 → ... → SEG24

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

- You can set the next SEG by pressing the button.
- You can change the digit value through the following operation.

Left value: $\frac{1}{Temp}$ up or down, range : $0 \sim F$ Right value: $\frac{1}{Fan}$ up or down, range : $0 \sim F$

Take the steps presented in the following table:

	Steps	Remote control display
1	Set the SEG2 and SEG3 values: a Set the SEG2 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG3 value by pressing the button repeatedly until the value you want to set appears on the remote control display. When you press the button, values appear in the following order:	00
2	Press the www button to move to the next page.	00
3	Set the SEG4 and SEG5 values: a Set the SEG4 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG5 value by pressing the ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	00
4	Press the 📾 button to move to the next page.	00

	Steps	Remote control display
5	Set the SEG6 and SEG8 values: a Set the SEG6 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG8 value by pressing the button repeatedly until the value you want to set appears on the remote control display. When you press the or button, values appear in the following order:	SEG6 OO SEG8
6	Press the web button to move to the next page.	00
7	Set the SEG9 and SEG10 values: a Set the SEG9 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00 SEG9
	 b. Set the SEG10 value by pressing the ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	00 SEG10
8	Press the button to move to the next page.	00

	Steps	Remote control display
9	Set the SEG11 and SEG12 values: a Set the SEG11 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG12 value by pressing the Fam button repeatedly until the value you want to set appears on the remote control display. When you press the Fam or Fam button, values appear in the following order: □ → □ → □ € → □ 	00 SEG12
10	Press the button to move to the next page.	00
11	Set the SEG14 and SEG15 values: a Set the SEG14 value by pressing the temp button repeatedly until the value you want to set appears on the remote control display.	00 SEG14
	 b. Set the SEG15 value by pressing the ¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬¬	00 SEG15
12	Press the button to move to the next page.	00

	Steps	Remote control display
13	Set the SEG16 and SEG17 values: a Set the SEG16 value by pressing the frem button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG17 value by pressing the Fan button repeatedly until the value you want to set appears on the remote control display. When you press the Fan or Temp button, values appear in the following order: □ → □ → □ ← □ 	SEG16 00 SEG17
14	Press the we button to move to the next page.	00
15	Set the SEG18 and SEG20 values: a Set the SEG18 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00 SEG18
	 b. Set the SEG20 value by pressing the button repeatedly until the value you want to set appears on the remote control display. When you press the or button, values appear in the following order:	00 SEG20
16	Press the 🐽 button to move to the next page.	00

	Steps	Remote control display
17	Set the SEG21 and SEG22 values: a Set the SEG21 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG22 value by pressing the Fan button repeatedly until the value you want to set appears on the remote control display. When you press the Fan or Temp button, values appear in the following order: □ → □ → □ € → F 	SEG21 00 SEG22
18	Press the 📾 button to move to the next page.	00
19	Set the SEG23 and SEG24 values: a Set the SEG23 value by pressing the to button repeatedly until the value you want to set appears on the remote control display.	00
	 b. Set the SEG24 value by pressing the Fam button repeatedly until the value you want to set appears on the remote control display. When you press the Fam or Fam button, values appear in the following order: □ → □ → □ → E → E 	00

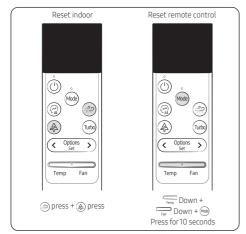
3 Check whether the option values you have set are correct by pressing the button repeatedly.



EX) AM***DNCDKG 020010-100000-2000A0-300000

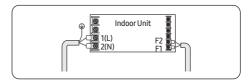
- 4 Save the option values into the indoor unit:
 Point the remote control to the remote control sensor on the indoor unit and then press the button on the remote control twice.

 Make sure that this command is received by the indoor unit. When it is successfully received, you can hear a short sound from the indoor unit. If the command is not received, press the button again.
- **5** Check whether the air conditioner operates following the option values you have set:
 - a. Reset the indoor or outdoor unit.
 - Indoor Unit: Press button + button for 5 seconds
 - Outdoor Unit: Press the K3 button
 - b. Reset remote control: _____button Down + _____button Down + _____ Press for 10 seconds You can see the "SW Initialization" message.



Setting an indoor unit address (MAIN/RMC)

- 1 Check whether power is supplied or not.
 - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.



- 2 The panel(display) should be connected to an indoor unit to receive option.
- **3** Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.
- 4 Assign an indoor unit address by wireless remote controller.
 - The initial setting status of indoor unit ADDRESS(MAIN/RMC) is "0A0000-100000-200000-300000".

Option No.: 0AXXXX-1XXXXX-2XXXXX-3XXXXX

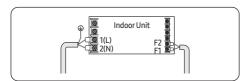
Option	SEG	1	SEG2		SEC	G3	SE	G4	SEG5		SEG6	
Explanation	PAG	E	Mode		Mode Setting Main address		100-digit unit ac		10-digit of indoor unit		The unit digit of an indoor unit	
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
Indication and						No Main address						
Details	0		А		1	Main address setting mode	0~9	100-digit	0~9	10-digit	0~9	A unit digit
Option	SEG	7	SEG	8	SEG9		SEG	10	SEG	11	SEG12	
Explanation	PAG	E			Setting RM	C address			Group chai	nnel(*16)	Group ac	ddress
	Indication	Details			Indication	Details			Indication	Details	Indication	Details
Indication and					0	No RMC address						
Details	1			1		RMC address setting mode			RMC1	0~F	RMC2	0~F

CAUTION

- When "A"~"F" is entered to SEG5~6, the indoor unit MAIN ADDRESS is not changed.
- If you set the SEG 3 as 0, the indoor unit will maintain the previous MAIN ADDRESS even if you input the option value of SEG5~6.
- If you set the SEG 9 as 0, the indoor unit will maintain previous RMC ADDRESS even if you input the option value of SEG11~12.
- You cannot set SEG11 and SEG12 as F value at the same time.

Setting an indoor unit installation option (suitable for the condition of each installation location)

- 1 Check whether power is supplied or not.
 - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.



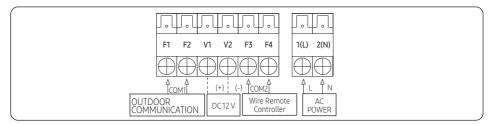
- 2 The panel(display) should be connected to an indoor unit to receive option.
- **3** Set the installation option according to the installation condition of an air conditioner.
 - The default setting of an indoor unit installation option is "020010-100000- 2000A0-300000".
 - Individual control of a remote controller(SEG20) is the function that controls an indoor unit individually when there is more than one indoor unit.
- 4 Set the indoor unit option by wireless remote controller.

02 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	2	Evaporator Drying	Use of external room temperature sensor / Minimizing fan operation when thermostat is off	Use of central control	FAN RPM compensation
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	Use of drain pump	Use of hot water heater	Settings for load operation during heater control Fan control during defrost mode / heater control during defrost mode	EEV Step when heating stops	Dew removal operation in wind free mode
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	Use of external control	Setting the output of external control / External heater signal / Cooling operation signal / Free Cooling control signal	S-Plasma ion	Buzzer control / whether to use humidity sensor / whether to use APP UX DSP (Dual Set Point) / whether to use R-32 sensor	Hours of filter usage
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	Individual control of a remote controller Removing condensate water in heating mode		Adjusted EEV step of stopped unit during oil return /defrost mode.	Motion detect sensor	-

- 1WAY/2WAY/4WAY MODEL: Drain pump(SEG8) will be set to 'USE + 3minute delay' even if the drain pump is set to 0.
- 1 WAY/2WAY/4WAY,DUCT MODEL: Number of hours using filter(SEG18) will be set to '1000hour' even if the SEG18 is set to exept for 2 or 6.
- When setting the option other than above SEG values, the option will be set as "0".
- SEG5 central control option is basically set as 1 (Use), so you don't need to set the central control option additionally.
 However, if the central control is not connected but it doesn't indicate an error message, you need to set the central control option as 0 (Disuse) to exclude the indoor unit from the central control.

- The output of hot water heater in SEG9 is generated from the hot coil part of the terminal board in duct models.
 - The output of hot coil terminal is AC 220 V / 230 V (The same as Indoor Unit's input Power)



• The external output of SEG15 is generated by MIM-B14* connection. (Refer to the manual of MIM-B14*.)

02 series installation option(Detailed)

Option No.: 02XXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1			G2	SEC	33		SEG4		SEG	5	SEG6				
Explanation	PA	GE	MO	DE	Evaporato	or Drying		xternal room temp fan operation whe		Use of cont		FAN RPM	compensation			
								De:	tails							
	Indication	Details	Indication	Details	Indication	Details	Indication	Use of External room temperature sensor	Minimizing fan operation when thermostat is off	Indication	Details	Indication	Details			
							0	Default	Default							
					0	Disuse	1	Use	Disuse			0	Disuse			
							2	Disuse	Use (Heating) (*2)	0	Disuse	0	DISUSE			
					Use	3	Use	Use (Heating) (*2)	ļ	Disuse						
				2	(5min)	4	Disuse	Use (Cooling) (*2)								
						(*1)	5	Use	Use (Cooling) (*2)							
Indication								Use (10min) (*1)	6	Disuse	Use (Heating / Cooling) (*2)			1	RPM compensation	
and Details		0		2	4	7	Use		Use (Heating / Cooling) (*2)							
						,	8	Disuse	Use (Cooling Ultra Low Fan) (*2)							
										9	Use	Use (Cooling Ultra Low Fan) (*2)	1	Use		
			6		Use (30min) (*1)	А	Disuse	Use (Heating / Cooling Ultra Low Fan) (*2)			2	High ceiling KIT (4way model only)				
					\ '/	В	Use	Use (Heating / Cooling Ultra Low Fan) (*2)								

Option	SE	G7	SE	G8	SEC	i9		SEG10		SEG	11	S	EG12					
Explanation	PA	GE	Use of dr	ain pump	Use of he			r load operation during during defrost mode during defrost mod	/ Heater control	EEV Step heating			ral operation in ree mode					
								Detai	l									
	Indication	Details	Indication	Details	Indication	Details	Indication	Fan control during defrost mode	Heater control during defrost mode	Indication	Details	Indication	Details					
							0	Fan Off	Off									
							1	Fan turns on when heater turns on	Off				(Default)					
					0		2	Fan Off	Off]			Maintain					
		0 Di		0 Disuse		Disuse	3	Fan turns on when heater turns on	Off	0	Default	0	blade status in wind free					
							4	Fan Off	On				mode					
							5	Fan turns on when heater turns on	On									
Indication							6	Fan Off	On									
and Details			. 1		1 Use	1	Use (*3)	7	Fan turns on when heater turns on	On								
	1		'	USE	'	056 (2)	8	Fan Off	Off									
							9	Fan turns on when heater turns on	Off									
							А	Fan Off	Off		Adjusted		Cooling					
				When an indoor			В	Fan turns on when heater turns on	Off	1	EEV Step setting	1	operation by opening the blade					
				unit stops,			С	Fan Off	On				Didde					
		2 pi	drain pump will	3	Use (*3)	D	Fan turns on when heater turns on	On										
				operate for 3min			Е	Fan Off	On									
									101 3111111			F	Fan turns on when heater turns on	On				

Option	SEG	13	SEG	14		SEG15	SEG	116			SEG17			SEG	18
Explanation	PA	GΕ	Use of extern	nal control	control / Ex / Cooling	output of external ternal heater signal operation signal / ing control signal	S-Plasma ion		Buzzer co whether to	use APP U)	ether to use (DSP (Dual se R-32 sens	Set Point)		Hours of filt	erusage
											Det				
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Buzzer Control	Humidity sensor	APP UX DSP	R-32 sensor	Indication	Details
			0	Disuse	0	External control			0	Use Buzzer	Disuse	Disuse	Disuse		
				Disuse	0	(Thermo On)			1	Disuse Buzzer	Disuse	Disuse	Disuse		
					1	External control			2	Use Buzzer	Use	Disuse	Disuse		
			ON/OFF		(Operation On)		D:	3	Disuse Buzzer	Use	Disuse	Disuse		1000	
	1	control		External heater signal (*4)	0	Disuse	4	Use Buzzer	Disuse	Use	Disuse	2	Hour		
			2				5	Disuse Buzzer	Disuse	Use	Disuse				
				_	External heater			6	Use Buzzer	Use	Use	Disuse			
Indication and Details			2	OFF	3	signal (*4)			7	Disuse Buzzer	Use	Use	Disuse		
	2		2	control	4	Cooling operation			8	Use Buzzer	Disuse	Disuse	Use		
					4	signal (*5)			9	Disuse Buzzer	Disuse	Disuse	Use		
					_	Free Cooling			А	Use Buzzer	Use	Disuse	Use		
					5	control (Cooling Thermo On) (*6)			В	Disuse Buzzer	Use	Disuse	Use		2000
			_	Window			1	Use	С	Use Buzzer	Disuse	Use	Use	6	Hour
			3	ON/OFF control	,	Free Cooling control (Cooling/			D	Disuse Buzzer	Disuse	Use	Use		
				CONTROL	6	control (Cooling/ Dry Thermo On) (*6)			E	Use Buzzer	Use	Use	Use		
										F	Disuse Buzzer	Use	Use	Use	

Option	SEC	519	SEG	G20		SEG21		SEC	522		SEG23	SEG24		
Explanation	PA	GE	Individual o		Heating setting compensation / Removing condensate water in heating mode			Adjusted E stopped u oil return mo	nit during /defrost	Setting the	MDS Kit installation option	-		
						Det								
	Indication	Details	Indication	Details	Indication	Heating Setting Compensation	Removing Condensate Water in Heating Mode	Indication	Details	Indication	Details			
			0.or1	channel1	0	Default	Disuse			0	Disuse (Soft Off+Hard off) (*8)			
			0011	Clidilleti	1	2℃	Disuse			1	Off after 20 min. (Soft Off+Hard off)			
					2	5℃	Disuse			2	Off after 40 min. (Soft Off+Hard off)			
		_	2	channel 2	3			0	Default	3	Off after 80 min. (Soft Off+Hard off)			
						3 Default	Use (*7)			4	Off after 20 min. (Soft Off+Hard off)			
Indication and Details				3 channel 3						5	Off after 40 min. (Soft Off+Hard off)	-		
	3	i	3							6	Off after 80 min. (Soft Off+Hard off)			
	3								7	Off after 20 min. (Soft Off only) (*9)				
				_			4	2℃	Use (*7)			8	Off after 40 min. (Soft Off only)	
								1	Adjusted EEV	9	Off after 80 min. (Soft Off only)			
			4	channel 4					positon	А	Off after 20 min. (Soft Off only)			
				. Gamet	5	5℃	Use (*7)			В	Off after 40 min. (Soft Off only)			
											С	Off after 80 min. (Soft Off only)		

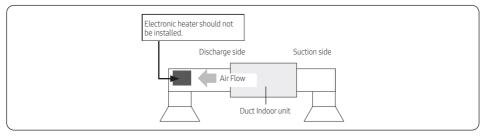
- ** Advanced function: Controlling cooling/heating current or power saving with motion detect.
- (*1) When Cooling or dry mode is off. The indoor fan operate in setting minutes.
- (*2) Minimizing fan operation when thermostat is off
 - Fan operates for 20 seconds at an interval of 5 minutes in Heat mode.
 - Fan stops or operates Ultra low in Cooling when thermostat is off.
- (*3) 1: Fan is turned on continually when the hot water heater is turned on,
 - 3: Fan is turned off when the hot water heater is turned on with cooling only indoor unit Cooling only indoor unit: To use this option, install the Mode Select switch(MCM-C200) on the outdoor unit and fix it as Cool mode.
- (*4) When the following 2 or 3 is used as external heater On/Off signal, the signal for monitoring external contact control will not be output.
 - 2: Fan is turned on continually when the external heater is turned on,
 - 3: Fan is turned off when the external heater is turned on with cooling only indoor unit Cooling only indoor unit: To use this option, install the Mode Select switch(MCM-C200) on the outdoor unit and fix it as Cool mode.
 - If Fan is set to off for cooling only indoor unit by setting the SEG9=3 or SEG15=3, you need to use an external sensor or wired remote controller sensor to detect indoor temperature exactly.
- (*5) When indoor unit is in cooling or Dry mode, The output signal is "ON"
- (*6) For free cooling control, Economizer controller is required.
- (*7) This function can be applied to 4 Way Cassette and Mini 4 Way Cassette only.
 If the air conditioner operates the heating mode immediately after finishing the cooling mode, the condensate water in the drain pan becomes water vapor by the heat of the indoor unit heat exchanger. Since the water vapor might be condensed on the indoor unit, which may fall into a living space, use this function to get rid of the water vapor out of the indoor unit by operating the fan (for maximum 20 minutes) even when the indoor unit is turned off after cooling mode is turned to heating mode.
- (*8) Soft Off: If no motion is detected for the Soft Off time, the MDS Kit turns off the indoor units.

 Then if any motion is detected until the Hard Off time is passed, the MDS Kit restarts the indoor units.
- (*9) Hard Off: If no motion is detected for the Hard Off time, the MDS Kit turns hard off the indoor units. Then although any motion is detected, the MDS Kit does not restart the indoor and outdoor units. You must manually restart the units with the wired or wireless remote control.



CAUTION

Do not install the electronic heater in the flow channel of the indoor unit fan.



05 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	5	Use of Auto Change Over for HR only in Auto mode / Use of Cooling only indoor unit of HR	(When setting SEG3) Standard heating temp. Offset	(When setting SEG3) Standard cooling temp. Offset	(When setting SEG3) Standard for mode change Heating → Cooling
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	(When setting SEG3) Standard for mode change Cooling → Heating	(When setting SEG3) Time required for mode change	Compensation option for Long pipe or height difference between indoor units	MTFC (*3)	-
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	-	Dual fuel (heater lock) setting	Dual fuel (HP lock) setting	-	Control variables when using hot water / external heater (*4)
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	-	-	-	Forced FAN Operation for Heating and Cooling	Whether to use UV LED / whether to use BLE Onboarding / whether to allow fan speed control during auto mode / MDS (motion detection sensor) control UX type

05 series installation option(Detailed)

Option No.: 05XXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG	1	SEC	52	SEC	i3	SE	EG4	SE	G5	!	SEG6		
Explanation	PAG	E	MOI	DE	Use of Auto Over for H Auto mode Cooling on unit o	R only in 2 / Use of aly indoor	Standar	tting SEG3) d heating Offset	(When set Standard temp.	cooling	(When setting SEG3) Standard for mode change Heating → Cooling			
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details		
						Follow	0	0°C	0	0°C	0	1°C		
							0	product option	1	0.5°C	1	0.5°C	1	1.5°C
						Use Auto Change Over for	2	1°C	2	1°C	2	2°C		
Indication					1		3	1.5°C	3	1.5°C	3	2.5°C		
and Details	0		5			HR only	4	2°C	4	2°C	4	3°C		
						Use	5	2.5°C	5	2.5°C	5	3.5°C		
						Cooling	6	3°C	6	3°C	6	4°C		
					2	indoor unit for HR	7	3.5°C	7	3.5°C	7	4.5°C		

Option	SEG	7	SE	G8	SEC	59	SE	G10	SEG	511	SEG	G12			
Explanation	PAG	E	Standard change (ting SEG3) for mode Cooling → Iting	(When sett Time requ mode c	uired for	for Long pi difference be	etion option pe or height etween indoor nits	MTFC	(*3)	-				
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details					
			0	1°C	0	5 min.	0	Default							
				1	7 min.		(*1) Height								
							2	2°C	2	9 min.		difference is more than	0	Default	
Indication and Details		1		2.5°C	3	11 min.	1	30m or (*2) Distance is longer than 110m		Delidate					
		4	13 min.		(*1) Height										
			5	3.5°C	5	15 min.	2	difference is 15~30m or	2	Use					
			-	6	4°C	6	20 min.		(*2) Distance	2	056				
				7	4.5°C	7	30 min.		is 50~110m						

Option	SEC	G13	SEG14	SEG1	15	SE	G16	SEG17		SEG18			
Explanation	-		-	Dual fuel (he settir			(HP lock) ting	-	Control variables wh	nen using hot w (*4)	ater / external heater		
											Details		
	Indication	Details	-	Indication	Detail	Indication	Detail	-	Indication	0	Disuse		
				0	Disuse	0	Disuse		0	At the same time as thermo on	No delay		
	Indication and Details			1	18.3 ℃	1	7.2 ℃		1	At the same time as thermo on	10 minutes		
						2	15.6 °C	2	4.4 °C		2	At the same time as thermo on	20 minutes
			n			3	12.8 °C	3	1.7 °C		3	1.5 ℃	No delay
				4	10 °C	4	-1.1 °C		4	1.5 ℃	10 minutes		
dilu Deldis			2		2			5	7.2 °C	5	-3.9 °C		5
	4		-	6	4.4 °C	6	-6.7 °C	-	6	3.0 ℃	No delay		
				7	1.7 °C	7	-9.4 °C		7	3.0 ℃	10 minutes		
				8	-1.1 °C	8	-12.2 °C		8	3.0 ℃	20 minutes		
				9	-3.9 °C	9	-15 °C		9	4.5 ℃	No delay		
				А	-6.7 °C	А	-17.8 °C		A	4.5 ℃	10 minutes		
				В	-9.4 °C	В	-20.6 °C		В	4.5 ℃	20 minutes		
			C	-12.2 °C	С	-23 °C		С	6.0 ℃	No delay			
			D	-15 °C	D	-26 °C		D	6.0 ℃	10 minutes			
			E	-17.8 °C	E	-29 °C							
			F	Cannot be used	F	Cannot be used		E	6.0 ℃	20 minutes			

Option	SEG	19	SEG20	SEG21	SEG22		SEG23				SE	G24					
Explanation	PAG	GE .	-	-	-	Forcing F	AN Operation fo and Cooling		Whethert	allow	fan speed cont	trol during auto n sensor) contr					
							Detai	ls				Detail					
	Indication	Details	-	-	-	Indication	Cooling Fan Setting	Heating Fan Setting	Indication	UV LED	BLE Onboarding	Whether to allow fan speed control during auto mode	MDS (motion detection sensor) control UX type				
						0	Disuse	Disuse	0	Disuse	Disuse	Disuse	Fan speed and power saving mode can be set simultaneously				
						1	Disuse	Use (Fan: User setting)	1	Use	Disuse	Disuse	Fan speed and power saving mode can be set simultaneously				
						2	Disuse	Use (Fan: High)	2	Disuse	Use	Disuse	Fan speed and power saving mode can be set simultaneously				
						3	Disuse	Use (Fan: Low)	3	Use	Use	Disuse	Fan speed and power saving mode can be set simultaneously				
						4	Use (Fan: User setting)	Disuse	4	Disuse	Disuse	Use	Fan speed and power saving mode can be set simultaneously				
							5	Use (Fan: User setting)	Use (Fan: User setting)	5	Use	Disuse	Use	Fan speed and power saving mode can be set simultaneously			
Indication and Details						6	Use (Fan: User setting)	Use (Fan: High)	6	Disuse	Use	Use	Fan speed and power saving mode can be set simultaneously				
	3				_	7	Use (Fan: User setting)	Use (Fan: Low)	7	Use	Use	Use	Fan speed and power saving mode can be set simultaneously				
						8	Use (Fan: High)	Disuse	8	Disuse	Disuse	Disuse	Only fan speed or power saving mode can be set at a time				
						9	Use (Fan: High)	Use (Fan: User setting)	9	Use	Disuse	Disuse	Only fan speed or power saving mode can be set at a time				
						А	Use (Fan: High)	Use (Fan: High)	А	Disuse	Use	Disuse	Only fan speed or power saving mode can be set at a time				
						В	Use (Fan: High)	Use (Fan: Low)	В	Use	Use	Disuse	Only fan speed or power saving mode can be set at a time				
					С	Use (Fan: Low)	Disuse	С	Disuse	Disuse	Use	Only fan speed or power saving mode can be set at a time					
						D	Use (Fan: Low)	Use (Fan: User setting)	D	Use	Disuse	Use	Only fan speed or power saving mode can be set at a time				
					Е	Use (Fan: Low)	Use (Fan: High)	Е	Disuse	Use	Use	Only fan speed or power saving mode can be set at a time					
											F	Use (Fan: Low)	Use (Fan: Low)	F	Use	Use	Use

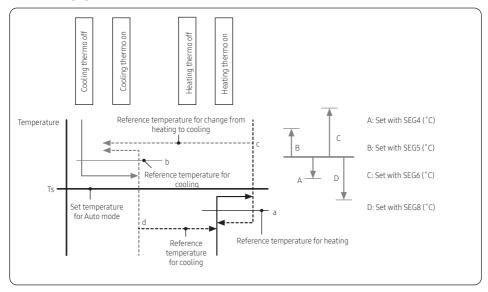
- (*1) Height difference: The difference of the height between the corresponding indoor unit and the indoor unit installed at the lowest place. For example, When the indoor unit is installed 40m higher than the indoor unit installed at the lowest place, select the option "1".
- (*2) The difference between the pipe length of the indoor unit installed at farthest place from an outdoor unit and the pipe length of the corresponding indoor unit from an outdoor unit. For example, when the farthest pipe length is 100 m(328 ft.) and the corresponding indoor unit is 40 m. away from an outdoor unit, select the option "2". (100 - 40 = 60m)
- (*3) For MTFC option, MTFC(Multi Tenant Function Controller) kit is required.
- (*4) Heater operation when the SEG9 of 02 series installation option is set to using hot water heater or when SEG15 is set to using external heater.

Example 1) Setting 02 series SEG9 ="1" / Setting 05 series SEG18 = "0": The hot water heater is turned on at the same time as the heating thermostat is on, and turned off when the heating thermostat is off. Example 2) Setting 02 series SEG15 ="2" / Setting 05 series SEG18 ="A": Room temp. ≤ set temp. + f (heating compensation temp.)

- External heater is turned on when the temperature is maintained as 4.5 °C for 10 minutes. Room temp. > set temp. + f(heating compensation temp.)
- External heater is turned off when the temperature is maintained as 4.5 °C + 1 °C (1 °C is the Hysteresis for On/Off selection.)

Additional information on SEG3, 4, 5, 6, 8, 9

When SEG3 is set to 1 and the HR-specific auto changeover function is run, the indoor unit operates as shown in the following figure:



Changing a particular option

You can change each digit of set option.

Option	SEG	1	SEG2 SEG3		G3	SEG4		SEG	5	SEG6		
Explanation	PAG	E	MODE		Type of the option to change		Tens position of the option number		Units position of to		New valu	ie
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
Indication and Details	0 D)	Option mode	0~F	Tens position value	0~9	Units position value	0~9	New value	0~F	



- When changing a digit of an indoor unit address setting option, set the SEG3 as 'A'.
- When changing a digit of indoor unit installation option, set the SEG3 as '2'.
 Ex) When setting the 'buzzer control' into disuse status.

Option	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
Explanation	PAGE	MODE	Type of the option to change	Tens position of the option number	Units position of the option number	New value
Indication	0	D	2	1	7	1



CAUTION

• If your indoor units support both cooling and heating, the mixed operation (two or more indoor units operate in different modes simultaneously) is not available when the indoor units are connected to the same outdoor unit. If you set an indoor unit as the master indoor unit by using the remote control, the outdoor unit automatically operate in the current mode of the master indoor unit.

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