Air conditioner
User manual

AM***DNMDKG / AM***DNHDKG

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

SAMSUNG

Contents

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.
- 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
	Read operating manual
	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.

Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.

- This may result in electric shock or fire.

Never install the outdoor unit in a location such as on a high external wall where it could fall.

- If the outdoor unit falls, it may result in injury, death or property damage.

This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.

- Failure to do so may result in electric shock, fire, an explosion, or other problems with the product.
- 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.

Safety Information

FOR POWER SUPPLY

⚠ WARNING

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

Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object, place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.

- This may result in electric shock or fire.

⚠ CAUTION

When not using the air conditioner for a long period of time or during a thunder/lightning storm, cut the power at the circuit breaker.

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

FOR USING

⚠ WARNING

If the appliance is flooded, please contact your nearest service centre.

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

If the appliance generates a strange noise, a burning smell or smoke, cut-off the power supply immediately and contact the nearest service 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.

Do not touch the circuit breaker with wet hands.

- This may result in electric shock.

Do not turn the air conditioner off with the circuit breaker while it is operating.

- Turning the air conditioner off and then on again with the circuit breaker may cause a spark and result in electric shock or fire.

After unpacking the air conditioner, keep all packaging materials well out of the reach of children, as packaging materials can be dangerous to children.

- If a child places a bag over its head, it may result in suffocation.

Do not touch the front panel with your hands or fingers during the heating operation.

- This may result in electric shock or burns.

Safety Information

Do not insert your fingers or foreign substances into the outlet when the air conditioner is operating or the front panel is closing.

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

Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.

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

Do not strike or pull the air conditioner with excessive force.

- This may result in fire, injury, or problems with the product.

Do not place an object near the outdoor unit that allows children to climb onto the machine.

- This may result in children seriously injuring themselves.

Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.

- Since this may be dangerous due to a lack of oxygen, open a window at least once an hour.

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.

Do not stand on top of the appliance or place objects (such as laundry, lighted candles, lighted cigarettes, dishes, chemicals, metal objects, etc.) on the appliance.

- This may result in electric shock, fire, problems with the product, or injury.

Do not operate the appliance with wet hands.

- This may result in electric shock.

Do not spray volatile material such as insecticide onto the surface of the appliance.

- As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not drink the water from the air conditioner.

- The water may be harmful to humans.

Safety Information

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

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

- This may result in discoloration, deformation, damage, electric shock or fire.

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

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

⚠ CAUTION

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

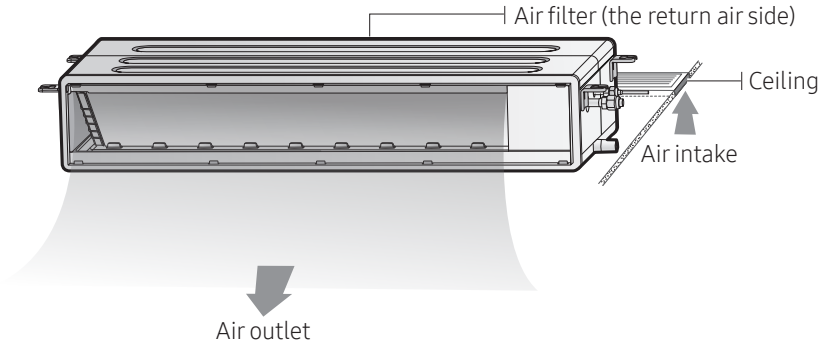
- To avoid cutting your fingers, wear thick cotton gloves when cleaning it.
- This should be done by a qualified technician please contact your installer or service centre.

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

- For cleaning inside the appliance, contact your nearest service centre.
- When cleaning the internal filter, refer to the descriptions in the 'Cleaning and Maintaining' section.
- Failure to do may result in damage, electric shock or fire.

Indoor Unit Overview

Global Duct



Operating temperature and humidity

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

Mode	Indoor temperature	Outdoor temperature	Indoor humidity
Cool mode	18~32 °C	Depending on the outdoor unit specification	80% or less
Dry mode			
Heat mode	30 °C or less		

⚠ 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.

Pairing an indoor unit with a remote control

When using multiple indoor unit, you can control individually pairing remote control and indoor unit.
Set by remote control when the indoor unit is off.

Options ▶ Zone 1~4 ▶ SET (°C↔°F 3sec) ▶ Mode (5 sec)

NOTE

- After push the SET (°C↔°F 3sec), have to push Mode within 60 seconds.
- Each indoor unit number setting must be set by the installer when installing. Contact service centre to reset indoor unit number.

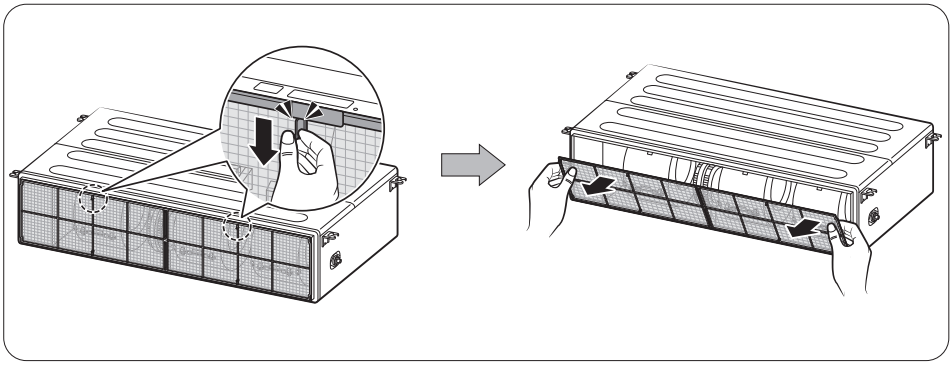
Cleaning and Maintaining

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

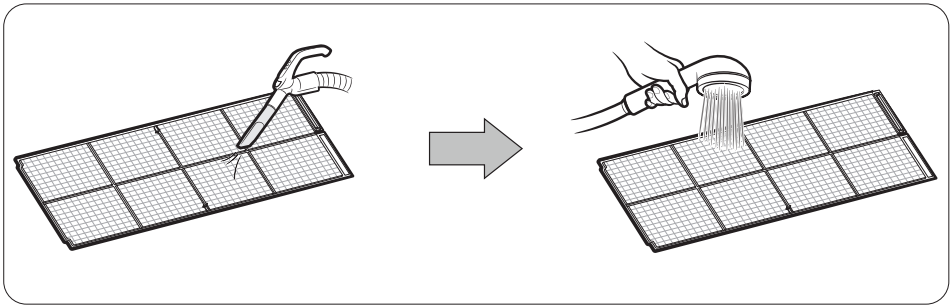
Cleaning the air filter

For the best performance from your air conditioner, clean it periodically. When cleaning, make sure to unplug from the unit for user's safety.
When cleaning the filter, make sure to unplug the power from the unit. Washable foam based Air filter captures large particles from the air. The filter is cleaned with a vacuum or by hand washing.

1 Grab the handle on the top of the filter, then go down and remove the filter from the indoor unit.



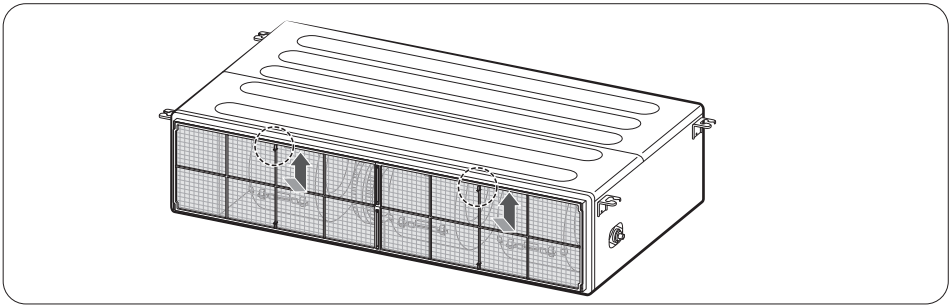
2 Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, then rinse it with running water and dry it in a ventilated area.



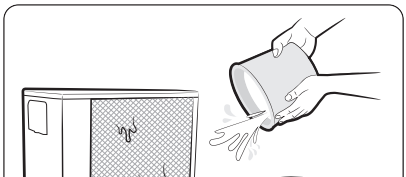
NOTE

- Clean the air filter once every two weeks.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a ventilated area.

3 Insert the Air filter back in its original position.



Cleaning the outdoor unit heat exchanger



Spray water to clean the dust.

⚠ CAUTION

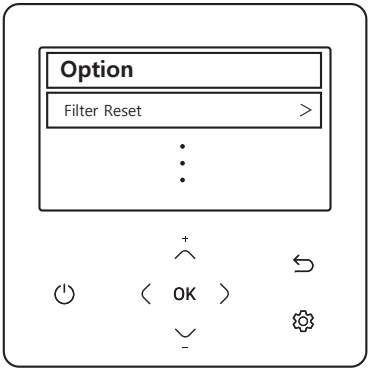
- The heat exchanger of the outdoor unit has sharp edges. Take care when cleaning its surface.

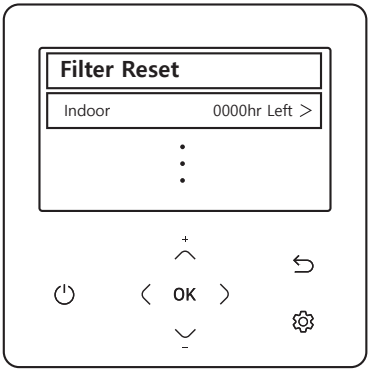
NOTE

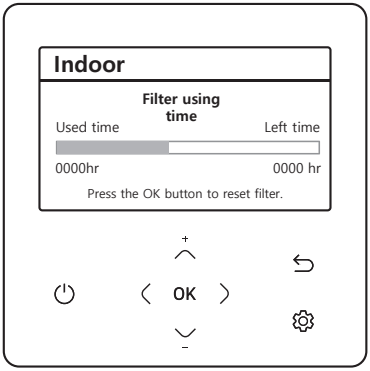
- If it is difficult to clean the heat exchanger of the outdoor unit, contact the local service center.

Cleaning and Maintaining

Resetting the filter-cleaning reminder







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.

Periodical maintenance

Unit	Maintenance item	Interval	Requires qualified technicians
Indoor unit	Clean the air filter.	At least once a month	
	Clean the condensate drain pan.	Once a year	Required
	Clean up the heat exchange.	Once a year	Required
	Clean the condensate drain pipe.	Once every 4 months	Required
	Replace the remote control batteries.	At least once a year	
	R32 detecting sensor	10 years	
Outdoor unit	Clean the heat exchanger on the outside of the unit.	Once every 4 months	Required
	Clean the heat exchanger on the inside of the unit.	Once a year	Required
	Clean the electric components with jets of air.	Once a year	Required
	Verify that all the electric components are firmly tightened.	Once a year	Required
	Clean the fan.	Once a year	Required
	Verify that the fan assemblies are firmly tightened.	Once a year	Required
	Clean the condensate drain pan.	Once a year	Required

Cleaning and Maintaining

Internal protections via the unit control system

The air conditioner control system has internal protection for user comfort and system faults.

Type	Description
Cold air prevention	While in heat mode, the internal fan will not operate while the indoor unit coil is warming up to prevent the circulation of cold air.
Defrost cycle	While the heat pump defrosts, the internal fan will not operate to prevent circulation of cold air.
Anti-Freezing of Indoor Heat Exchanger	The compressor will be off if the heat exchanger temp of the indoor unit decreases to 32 °F (0 °C) or more to prevent the ice on the heat exchanger.
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.

NOTE

- If the heat pump is operating in Heat mode, the defrost cycle is actuated to remove frost from an outdoor unit that may have deposited at low temperatures.
- The internal fan is switched off automatically and restarted only after the defrost cycle is completed.
- When the defrost cycle is operating, it may generate strange sounds. It is normal operation for product safety.

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 work. Error E601	• Connect an R-32-exclusive wired remote control. * MWR-WG01*N * 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 mode). 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	• This alarm sounds when 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.  • The refrigerant inside the product has been recovered and held in the outdoor unit. Ventilate the room for which the alarm was activated. • Contact the Samsung Electronics service centre for assistance.

Cleaning and Maintaining

Problem	Solution
The product does not work. **Error E116, E695, E698, E699, E700**	• This error occurs when the R-32 refrigerant sensor has a malfunction or the sensor's life has expired. • 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 centre 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.
The air conditioner does not operate at all.	• Check whether the power is turned on, and then operate the air conditioner again. • Check whether the auxiliary power switch (MCCB, ELB) is turned on. • If the auxiliary power switch (MCCB, ELB) is turned off, the air conditioner does not work although you press the ⏻ (Power) button. • When you clean the air conditioner or do not use it for an extended period of time, turn off the auxiliary power switch (MCCB, ELB). • After the air conditioner is not used for an extended period of time, be sure to turn on the auxiliary power switch (MCCB, ELB) 6 hours before starting operation. **NOTE** • The auxiliary power switch (MCCB, ELB) is sold separately. • Make sure that auxiliary power switch (MCCB, ELB) is installed in the distribution box inside the building. • If the air conditioner is turned off by the Timed off function, turn on the air conditioner again by pressing the ⏻ (Power) button.
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.
The wireless remote control does not operate.	• Check whether the batteries are discharged. Replace the batteries with new ones. • 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.

Problem	Solution
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 centre.
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 centre.
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.

Cleaning and Maintaining

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 (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

Model	Net weight (kg)	dimension(W x Dx H) (mm)
AM022DNMDKG	27.0	850 x700 x 250
AM028DNMDKG	27.0	850 x700 x 250
AM036DNMDKG	27.0	850 x700 x 250
AM045DNMDKG	27.0	850 x700 x 250
AM056DNMDKG	27.0	850 x700 x 250
AM071DNMDKG	27.0	850 x700 x 250
AM090DNMDKG	34.2	1200 x700 x 250
AM112DNMDKG	39.4	1300 x 700 x 300
AM128DNMDKG	39.4	1300 x 700 x 300
AM140DNMDKG	39.4	1300 x 700 x 300
AM160DNMDKG	44.5	1300 x 700 x 300
AM090DNHDKG	34.2	1200 x700 x 250
AM112DNHDKG	44.5	1300 x 700 x 300
AM128DNHDKG	44.5	1300 x 700 x 300
AM140DNHDKG	44.5	1300 x 700 x 300

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 tCO_2e 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 tCO_2e: 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.
You can easily install the SmartThings app or use the product with your smartphone by scanning the SmartThings QR code on the label.

1 Checking the power connections

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

2 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 the 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.

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

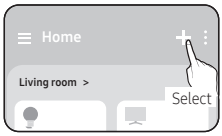
- If you already have a Samsung account, log in to the account. If you have a smartphone that is a Samsung device and you have a Samsung account, your smartphone is automatically logged in to your account.
- If you log in from a smartphone produced for another country, you need to log in with its country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

4 Connecting the SmartThings app to your product

1 Selecting the product to connect to

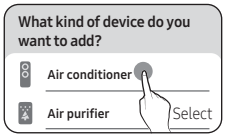
1) Start the SmartThings app about one minute after turning on the product to connect to.
2) After the SmartThings app is started, select 'ADD NOW' when a pop-up window saying that a product to connect to is found appears.

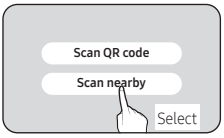
3) If the pop-up window does not appear, select "+", and then "Add Device".



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 then configure the settings.

SmartThings app

- 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 26. 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/g/n (2.4 GHz) communication protocol. (Samsung recommends IEEE802.11n.)
- If your Internet service provider permanently has 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.

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

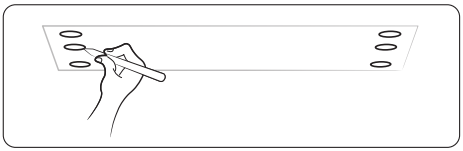
Hereby, Samsung declares that this radio equipment is in compliance with Directive 2014/53/EU and with the relevant statutory requirements in the UK. The full text of the EU declaration of conformity and the UK declaration of conformity is available at the following internet address: http://www.samsung.com,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

Installation Procedure

Installing the indoor unit

When deciding on the location of the air conditioner with the owner, the following restrictions must be taken into account

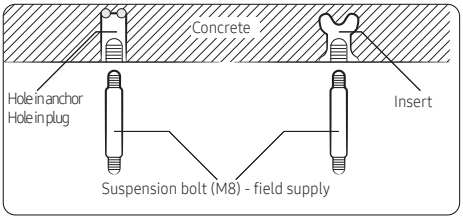
1 Place the pattern sheet on the ceiling at the spot where you want to install the indoor unit.



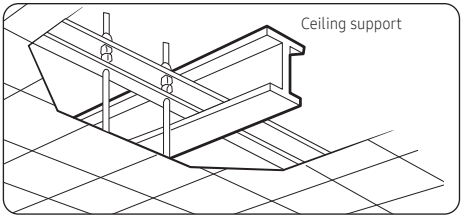
NOTE

- Since the diagram is made of paper, it may shrink or stretch slightly due to temperature or humidity. For this reason, before drilling the holes maintain the correct dimensions between the markings.

2 Insert bolt anchors. Use existing ceiling supports or construct a suitable support as shown in figure.



3 Install the suspension bolts depending on the ceiling type.



⚠ CAUTION

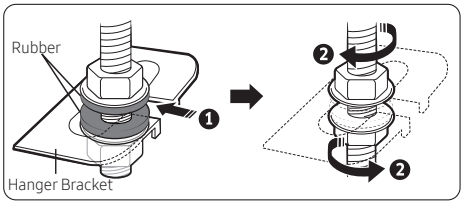
- Ensure that the ceiling is strong enough to support the weight of the indoor unit. Before hanging the unit, test the strength of each attached suspension bolt.
- If the length of suspension bolt is more than 1.5m, it is required to prevent vibration.
- If this is not possible, create an opening on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

4 Screw eight nuts to the suspension bolts making space for hanging the indoor unit.

NOTE

- You must install all the suspension rods.

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



⚠ CAUTION

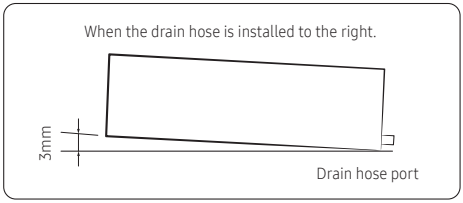
- Piping must be laid and connected inside the ceiling when suspending the unit. If the ceiling is already constructed, lay the piping into position for connection to the unit before placing the unit inside the ceiling.

6 Screw the nuts to suspend the unit.

7 Adjust level of the unit by using measurement plate for all 4 sides.

⚠ CAUTION

- For proper drainage of condensate, give a 3mm slant to the left or right side of the unit which will be connected with the drain hose, as shown in the figure. Make a tilt when you wish to install the drain pump, too.



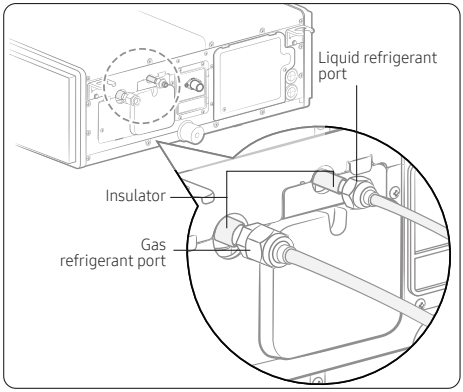
- When installing the indoor unit, make sure it is not tilted toward front or back side.

Performing the gas leak test

To identify potential gas leaks in the indoor unit, inspect the connection area of each refrigerant pipe using a leak detector for R-32.

Before vacuuming and circulating the refrigerant gas, pressurize the whole system with nitrogen (using a cylinder with a pressure reducer) at a pressure of 4.0 MPa(594.7 psi) (gauge) to immediately detect leaks on the refrigerant fittings.

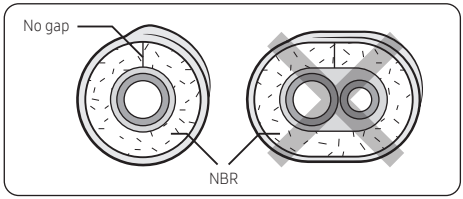
Make a vacuum for 15 minutes and pressurize the system with nitrogen..



Insulating the refrigerant pipes

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

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



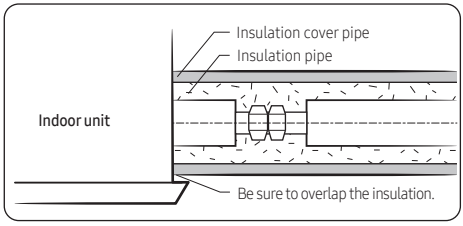
NOTE

- Always make the seam of pipes face upwards.

⚠ CAUTION

- The insulation has to be produced in full compliance wirh European regulation EEC / EU 2037 / 2000 requiring the use of sheaths insulation without using CFC and HCFC gases for health and the environment.

2 Wind insulating tape around the pipes and drain hose avoiding compressing the insulation too much.



⚠ CAUTION

- Be sure to wrap insulation tightly without any gaps.

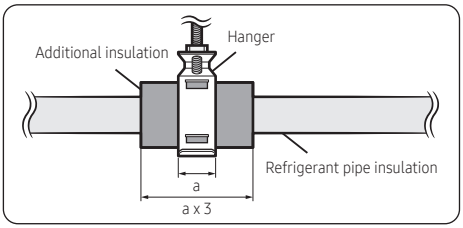
3 Finish wrapping insulating tape around the rest of the pipes leading to the outdoor unit.

4 The pipes and electrical cables connecting the indoor unit with the outdoor unit must be fixed to the wall with suitable ducts.

Installation Procedure

⚠ CAUTION

- Must fit tightly against body without any gap.
- Make sure that all refrigerant connection must be accessible for easy maintenance and detachment.
- 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.
- All refrigerant connection must be accessible, in order to permit eithernit maintenance or removal.



5 Select the insulation of the refrigerant pipe.

- Insulate the gas side and liquid side pipe, noting the insulation thickness that must differ according to the pipe size.
- Standard: Less than an indoor temperature of 30°C, with humidity at 85%. If installing in a high humidity environment, use one grade thicker insulator by referring to the table below. If installing in an unfavourable environment, use thicker one.
- The heat-resistance temperature of the insulator must be more than 120°C.

Pipe	Pipe size (mm)	Insulation Type (Heating/Cooling)		Remarks
		Standard [30°C, 85%]	High humidity [30°C, over 85%]	
		EPDM, NBR		
Liquid pipe	Ø6.35 to Ø9.52	9t	←	Internal temperature is higher than 120°C
	Ø12.7 to Ø50.80	13t	←	
Gas pipe	Ø6.35	13t	19t	
	Ø9.52 to Ø25.40	19t	25t	
	Ø28.58 to Ø44.45		32t	
	Ø50.80	25t	38t	

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

‹Geological condition›
High humidity locations such as shorelines, hot springs, lake or riversides, and ridges (when part of the building is covered by earth and sand)
‹Operation purpose condition›
Restaurant ceiling, sauna, swimming pool etc.
‹Building construction condition›
Ceilings frequently exposed to moisture and cooling are not covered. For example, pipes installed at a corridor of a dormitory and studio or near an exit that opens and closes frequently. Places (where the pipes are installed) that are highly humid due to a lack of ventilation.

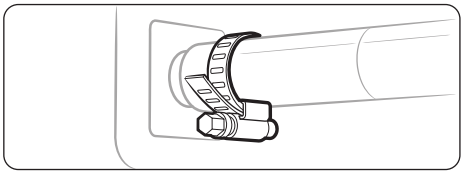
- Refrigerant pipe before EEV kit and MCU or without EEV kit and MCU
  - You can contact the gas side and liquid side pipes but the pipes should not be pressed.
  - When contacting the gas side and liquid side pipe, use 1 grade thicker insulator.

- Refrigerant pipe after EEV kit and MCU
  - Install the gas side and liquid side pipes, leave 10mm of space.
  - When contacting the gas side and liquid side pipe, use 1 grade thicker insulator.

Installing the drain hose and drain pipe

1 Push the supplied drain hose as far as possible over the drain socket.

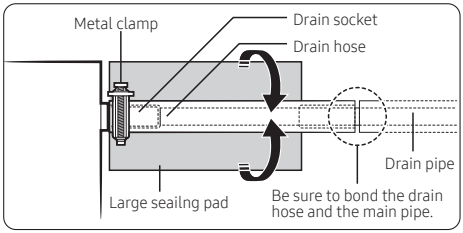
2 Tighten the metal clamp as shown in the picture.

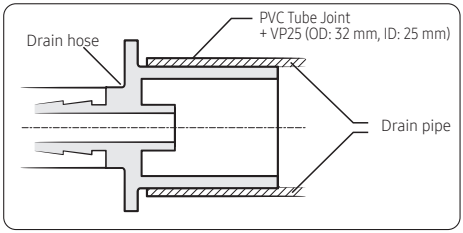


3 Wrap the supplied large sealing pad over the metal clamp and drain hose to insulate and fix it with clamps.

4 Insulate the complete drain piping inside the building (field supply).
If the drain hose cannot be sufficiently set on a slope, fit the hose with drain raising piping (field supply).

5 Push the drain hose up to insulation when connecting the drain hose to drain socket.



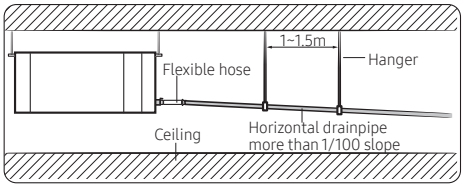


Drainpipe Connection without the drain pump

1 Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 1.0~1.5m.

2 Install U-trap at the end of the drainpipe to prevent a nasty smell to reach the indoor unit.

3 Do not install the drainpipe to upward position. It may cause water flow back to the unit.



Drainpipe Connection with the drain pump

1 The drain pipe should be installed within 300mm to 550mm from the flexible hose and then lift down 20mm or more.

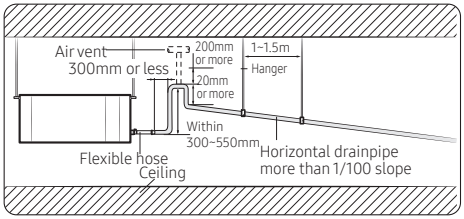
2 Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 1.0~1.5m.

3 Install the air vent in the horizontal drainpipe to prevent water flow back to the indoor unit.

NOTE

- You may not need to install it if there were proper slope in the horizontal drainpipe.

4 The flexible hose should not be installed upward position, it may cause water flow back to the indoor unit.

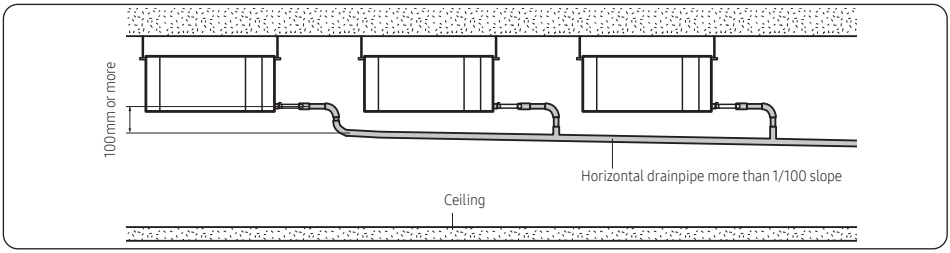


Installation Procedure

Centralized Drainage without the drain pump

1 Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 1.0~1.5m.

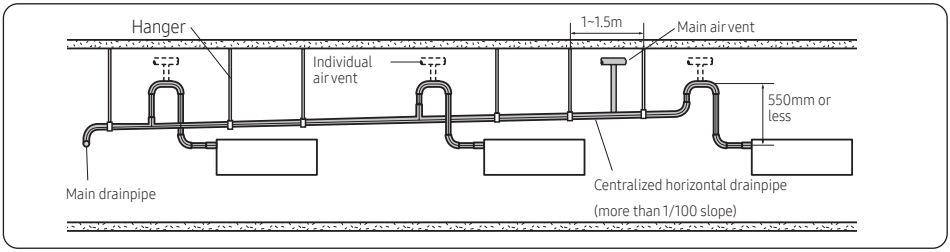
2 Install U-trap at the end of the drainpipe to prevent a nasty smell to reach the indoor unit.



Centralized Drainage with the drain pump

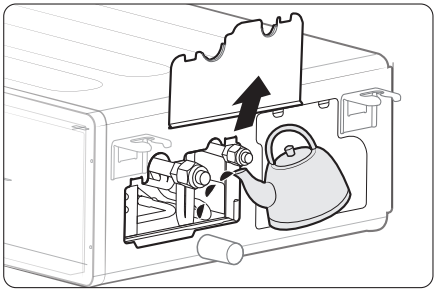
1 Install horizontal drainpipe with a slope of 1/100 or more and fix it by hanger space of 1.0~1.5m.

2 Install U-trap at the end of the drainpipe to prevent a nasty smell to reach the indoor unit.



Performing the drainage test

1 Pour water into the base pan in the indoor unit as shown in figure.



⚠ CAUTION

- The leak test must be performed for at least 24 hours.

2 Confirm that the water flows out through the drain hose.

a. Pour about 2 liters of water into the indoor unit drain pan.

Wiring work

Connecting the power and communication cables

Power and communication cable connection

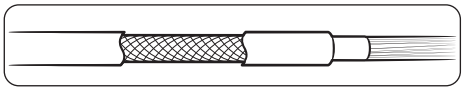
- Before wiring work, you must turn off all power source.
- Connect the power and communication cable among the units within maximum length to set the voltage drop under 10%.
- The auxiliary circuit breaker (ELCB, MCCB, ELB) should be considered more capacity if many indoor units are connected from one breaker.
- Connect F3, F4(for communication) to the communication cable of the wired remote control.
- Tighten the electric wires with a proper tool within the torque limit to connect and fix them firmly, and then organize the wires to prevent outside pressure being exerted on the covers and other parts. Failure to do so may result in overheating, electric shock, and fire.

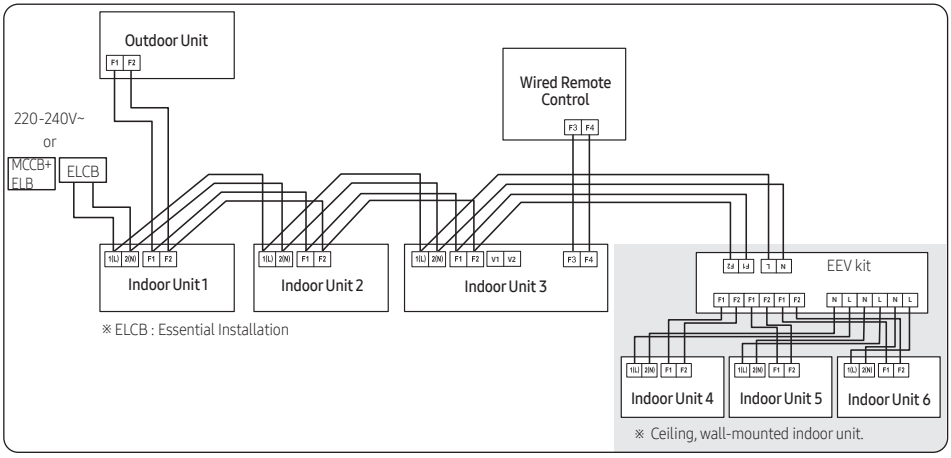
Tightening torque (N•m)	
M3.5	0.8 ~ 1.2
M4	1.2 ~ 1.8

(1 N•m = 10 kgf•cm)

To protect the product from water and possible shock, you should keep the power and the communication cables of the indoor and outdoor units in the iron pipe.

- Connect the power cable to the auxiliary circuit breaker (ELCB, MCCB, ELB).
- Keep distances of 50mm or more between power cable and communication cables.
- 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)
- Screws on terminal block must not be unscrewed with the torque less than 12 kgf•cm.
- When installing the indoor unit in a computer room, use the double shielded (tape aluminum / polyester braid + copper) cable of FROHH2R type.



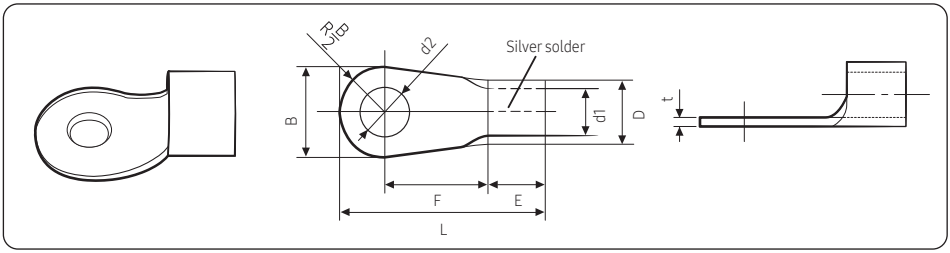


Wiring work

Selecting the crimping terminal lug

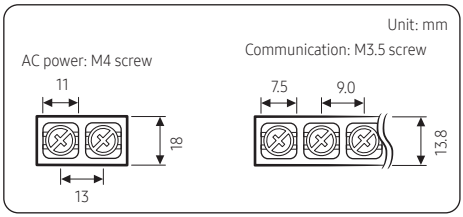
1 Select the crimping terminal lug based on the norminal dimension of the power cable.

2 Cover the connection part of the power cable and crimping terminal lug to insulate it.



Norminal dimensions for cable (mm²)	Norminal dimensions for screw (mm)	B		D		d1		E	F	L	d2		t
		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	3.4	+0.3 -0.2	1.7	± 0.2	4.1	6	16	4.3	+0.2 0	0.7
	4	8											
2.5	4	6.6	± 0.2	4.2	+0.3 -0.2	2.3	± 0.2	6	6	17.5	4.3	+0.2 0	0.8
	4	8.5											
4	4	9.5	± 0.2	5.6	+0.3 -0.2	3.4	± 0.2	6	5	20	4.3	+0.2 0	0.9

Specifications of the terminal blocks



Power supply (single phase)	MCCB	ELB
Min : 198V Max : 242V	XA	XA, 30 mA 0.1 s
Power cable	**Earth cable**	**Communication cable**
2.5 mm² or more	2.5 mm²	0.75 to 1.5 mm²

Decide the power cable specification and maximum length by formula **2**.

1 Decide the capacity of ELB and MCCB by below formula.

$$\text{The capacity of ELB, MCCB } X[A] = 1.25 \times 1.1 \times \Sigma Ai$$

NOTE

- X : The capacity of ELB, MCCB
- ΣAi : Sum of rating currents of each indoor unit.

2 Decide the power cable specification and maximum length within 10% voltage drop among indoor units.

$$\sum_{k=1}^{n} \left(\frac{Coef \times 35.6 \times Lk}{1000 \times Ak} \times ik \right) < 10\% \text{ of input voltage[V]}$$

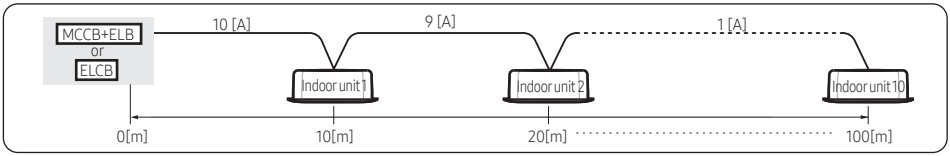
NOTE

- Coef: 1.55
- Lk: Distance among each indoor unit[m], Ak: Power cable specification[mm2]
- ik: Running current of each unit[A]

Wiring work

Example of Installation

Total power cable length L = 100(m), Initial pull-in current = 10[A], Running current of each units = 1[A], Total 10 indoor units were installed



- Apply following equation.

$$\sum_{k=1}^{n}\left(\frac{Coef\times 35.6\times Lk}{1000\times Ak}\times ik\right) < 10\%\ \text{of input voltage[V]}$$

- Calculation
  - Installing with 1 sort wire.

-(2.2+2.0+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)=-11.2 [V]

  - Installing with 2 different sort wire.

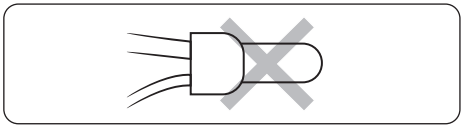
-(1.4+1.2+1.8+1.5+1.3+1.1+0.9+0.7+0.4+0.2)=-10.5 [V]

⚠ CAUTION

- Select the power cable in accordance with relevant local and national.
- Wire size must comply with local and national code.
- You should connect the power cable into the power cable terminal and fasten it with a clamp.
- The unbalanced power must be maintained within 10% of supply rating among whole indoor units.
- If the power is unbalanced greatly, it may shorten the life of the condenser. If the unbalanced power is exceeded over 10% of supply rating, the indoor unit is protected, stopped and the error mode indicates
- Connect the power cable to the auxiliary circuit breaker. An all pole disconnection from the power supply must be incorporated in the fixed wiring (≥3mm).
- You must keep the cable in a protection tube.
- Maximum length of power cables are decided within 10% of power drop. If it exceeds, you must consider another power supplying method.
- The circuit breaker(MCCB, ELB) should be considered more capacity if many indoor units are connected from one breaker.
- Use round pressure terminal for connections to the power terminal block.
- For wiring, use the designated power cable and connect it firmly, then secure to prevent outside pressure being exerted on the terminal board.
- Use an appropriate screwdriver for tightening the terminal screws. A screwdriver with a small head will strip the head and make proper tightening impossible.
- Over-tightening the terminal screws may break them.

⚠ 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.



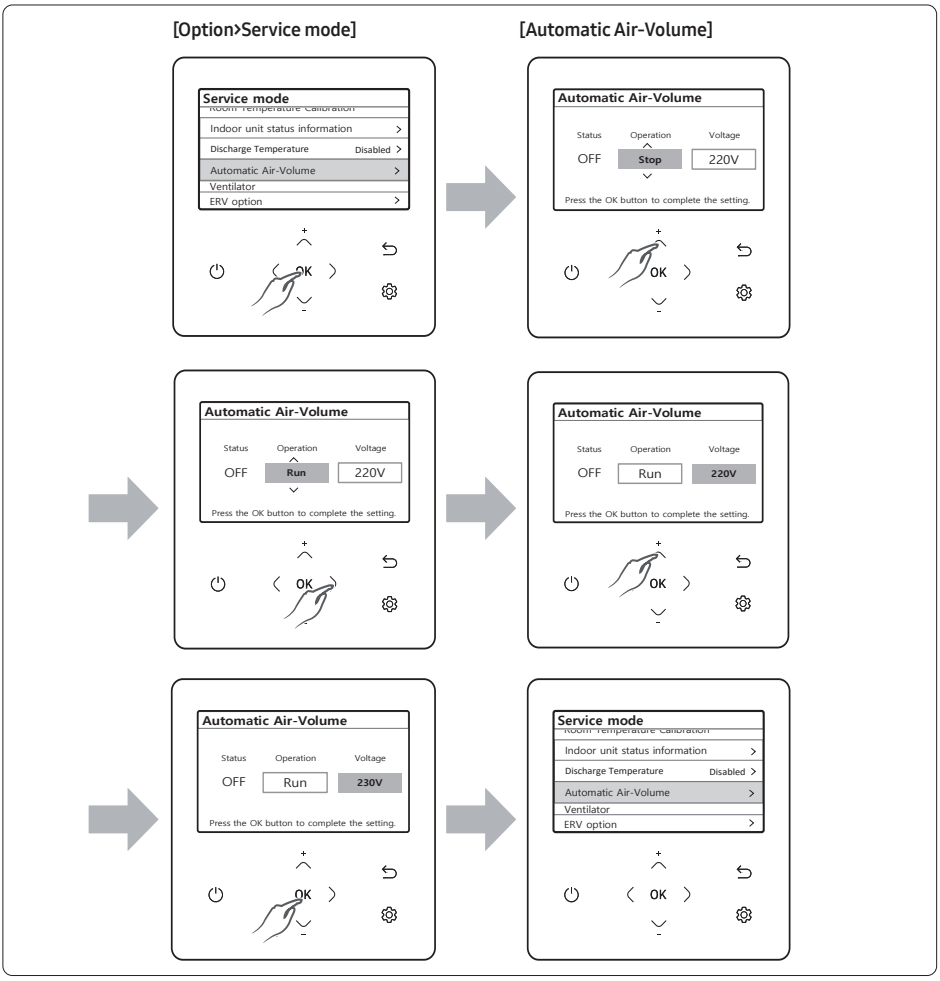
Setting additional functions of wired remote control

Automatic Air-Volume

An Automatic Air-Volume function must be performed for each indoor unit with the wired remote control attached.

With its BLDC motor, you can use smart adjust the indoor unit fan speed depending on the installation condition.

If the duct is long so the external static pressure is high, or the duct is short so the external static pressure is low, the Automatic Air Volume will automatically adjust the supply air flow to the rate air flow rate. Push the [›] button to enter the automatic air volume setting screen.

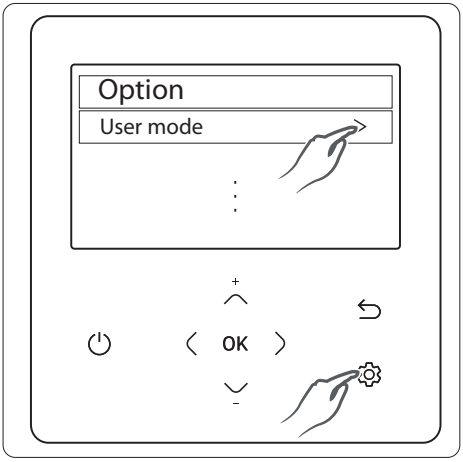


Wiring work

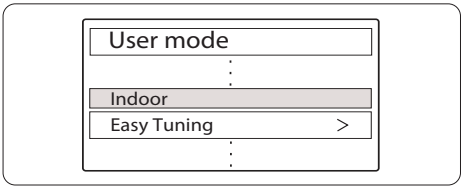
EASY Tuning

If more cooling and heating airflow rate is wanted, or if the quieter operation set is wanted, the air conditioner can be tuned for comfort.

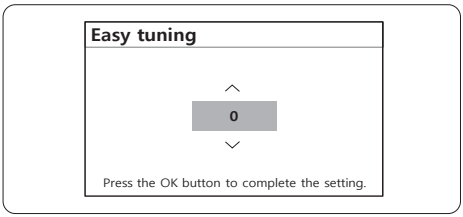
Indoor unit airflow rate for high, mid and low modes increases or decreases for +2 ~ -2 Steps with wired remote control.



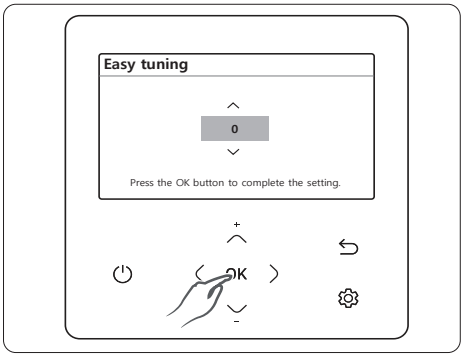
1 Press the ⚙ button.
(Main Menu) will be displayed, and you can press the [∧]/[∨] buttons to select User mode.



2 Press the [∧]/[∨] buttons to select Easy Tuning.



3 Press the [∧]/[∨] buttons to select Easy tuning value (-2,-1,0,1,2) tuning.



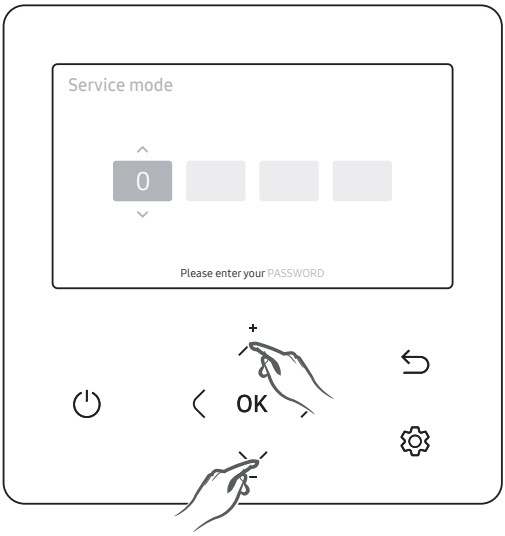
4 Press the OK buttons to complete the Easy Tuning.

NOTE

- Easy tuning value
  - Default : 0, reflecting the status value of the indoor unit.
  - Range : -2-+2 (unit:1)
- Press the ⮌ button anytime during setup to exit without setting.
- When airflow is reduced using Easy Tuning, reduction in system performance is possible.

Setting the indoor unit option code with the wired remote control

To set the indoor unit option code use the wired remote control and follow the directions below.

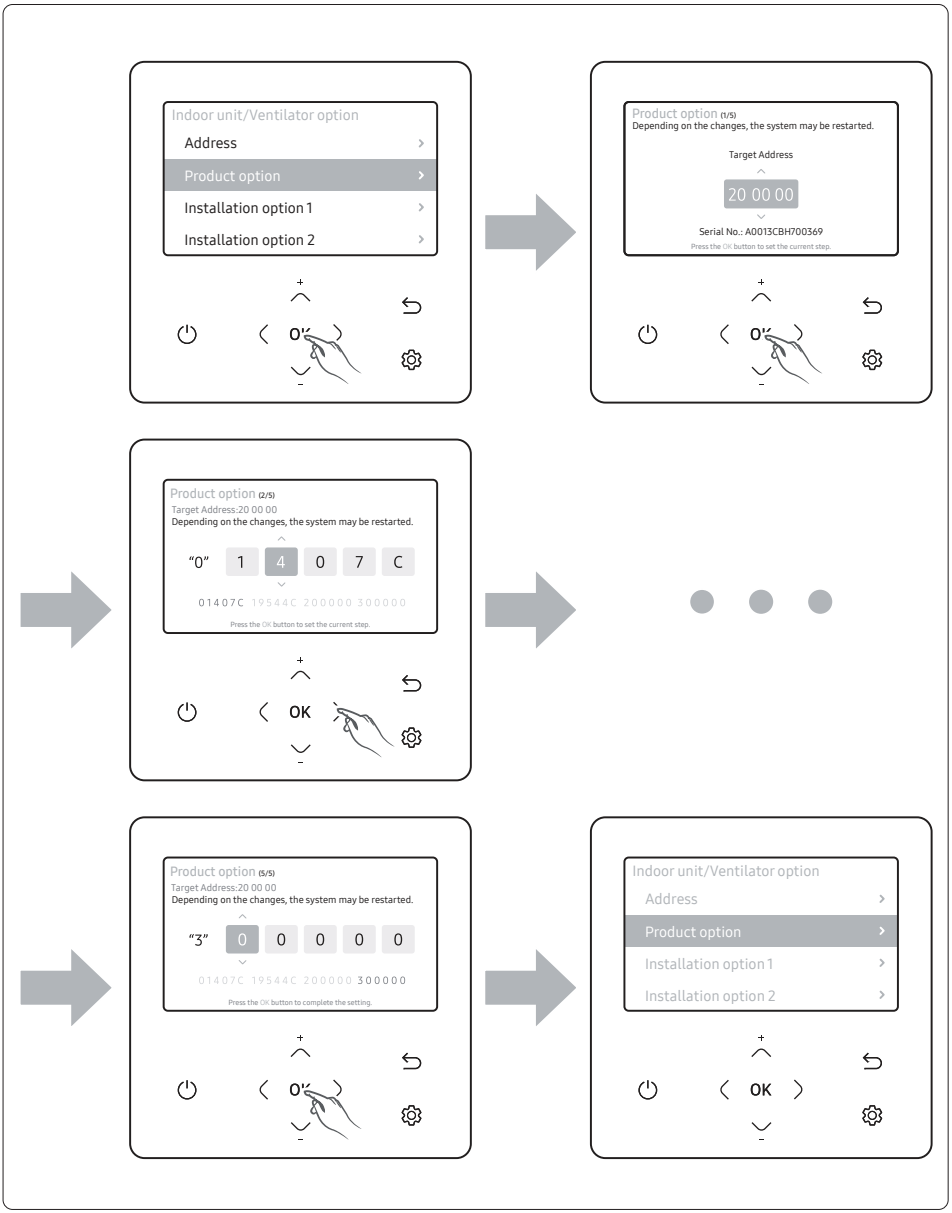


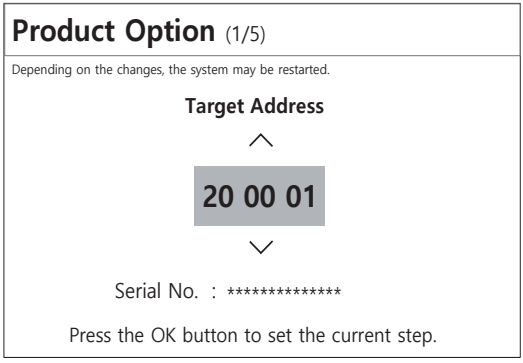
1 If you want to use the various additional functions for your Wired Remote Control, press the ∧ and ∨ buttons at the same time for more than 3 seconds.
   - The password entry screen appears.
2 Enter the password, "0202," and then press the **OK** button.
   - The settings screen for installation/service mode appears.
3 See the list of additional functions for the Wired Remote Control on the next page, and then select the Product option menu.
   - Once you have entered the settings screen, the current setting appears.
   - Refer to the chart for data setting.
   - Using the ∧ / ∨ buttons, change the settings and press the 〉button to move to the next setting.
   - Press the **OK** button to save the new setting.
   - Press the ⮌ button to move to the Home screen.

NOTE

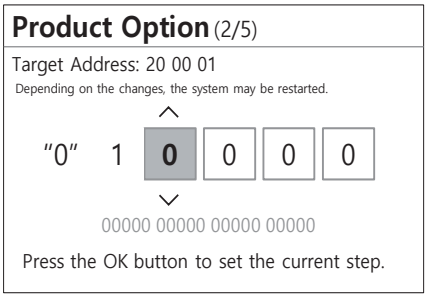
- While setting the data, you can press the ⮌ button to move to the Home screen after checking the saving status at a pop-up screen.

Wiring work

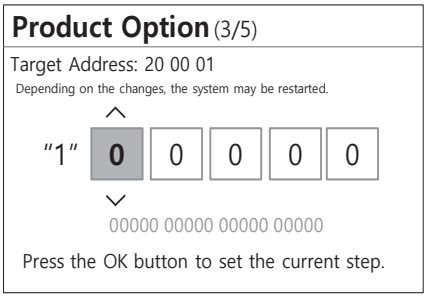

Indoor unit/Ventilator option
Address
Product option
Installation option 1
Installation option 2
OK
Product option (1/5)
Depending on the changes, the system may be restarted.
Target Address
20 00 00
Serial No.: A0013CBH700369
Press the OK button to set the current step.
Product option (2/5)
Target Address:20 00 00
Depending on the changes, the system may be restarted.
"0" 1 4 0 7 C
01407C 19544C 200000 300000
Press the OK button to set the current step.
Product option (5/5)
Target Address:20 00 00
Depending on the changes, the system may be restarted.
"3" 0 0 0 0 0
01407C 19544C 200000 300000
Press the OK button to complete the setting.



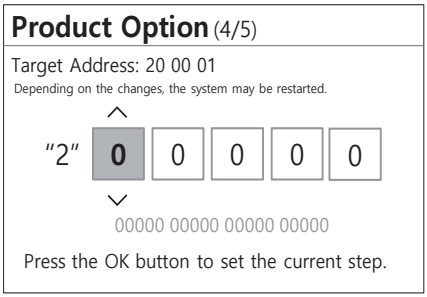
[Product Option 2page]



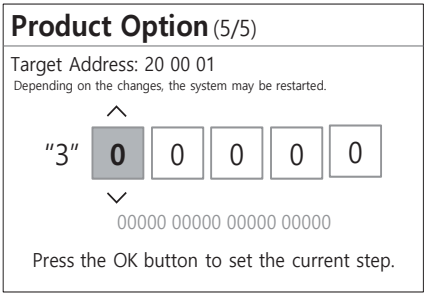
[Product Option 3page]



[Product Option 4page]



[Product Option 5page]



Wiring work

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	✳	✳	✳	✳	✳

Page number

SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	✳	✳	✳	✳	✳

Page number

SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	✳	✳	✳	✳	✳

Page number

SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	✳	✳	✳	✳	✳

Page number

⚠ CAUTION

- Option code will not be applied if you don't press the OK button.
- Setting the indoor unit option code is only possible in the Main wired remote Control. You can only check the indoor unit option code in Sub wired remote Control.
- Setting an indoor unit option code is possible when one indoor unit is connected. If more than 2 indoor units are connected, you can only check the Main indoor unit option code.

Setting indoor unit addresses and installation option

Setting indoor unit addresses and installation options with wired remote control

Set the indoor unit address and installation option with the remote control option. Set each option separately since you cannot set the ADDRESS setting and indoor unit installation setting option at the same time. You need to set twice when setting the indoor unit address and installation option.

Setting an indoor unit address

1 If you want to use the various additional functions for your Wired Remote control, press the ∧ and ∨ buttons at the same time for more than 3 seconds.

- The password entry screen appears.

2 Enter the password, "0202," and then press the OK button.

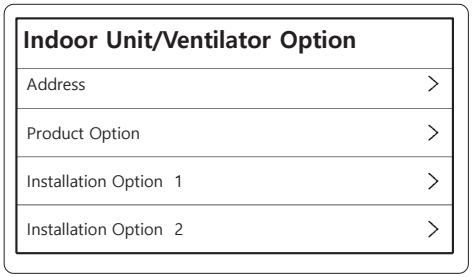
- The settings screen for installation/service mode appears.

3 See the list of additional functions for the Wired Remote control on the next page, and then select the Address menu.

- Once you have entered the settings screen, the current setting appears.
- Refer to the chart for data setting.
- Using the ∧ / ∨ buttons, change the settings and press the 〉button to move to the next setting.
- Press the OK button to save the new setting.
- Press the ⮌ button to move to the Home screen.

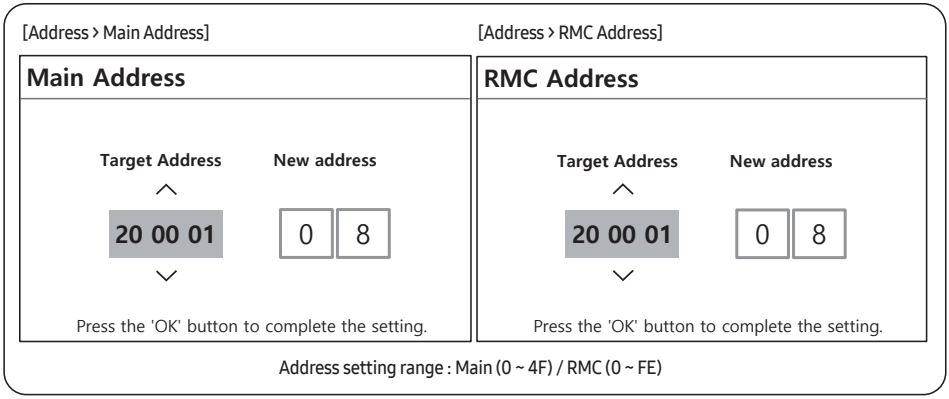
NOTE

- While setting the data, you can press the ⮌ button to move to the Home screen after checking the saving status at a pop-up screen.



1	Address -Move to 'Address' page.
2	Product Option -Move to 'Product Option' page.
3	Installation Option 1 Move to 'Installation Option 1' page.
4	Installation Option 2 Move to 'Installation Option 2' page.

Settingindoorunitaddressesandinstallationoption



NOTE

- Press the ⮌ button anytime during setup to exit without setting.
- Address will not be applied if you don't press OK button.
- Setting the Main/RMC Address of an Indoor unit is available only with a Main wired remote control.

Setting an indoor unit installation option

1 If you want to use the various additional functions for your Wired Remote control, press the ∧ and ∨ buttons at the same time for more than 3 seconds.
   - The password entry screen appears.

2 Enter the password, "0202," and then press the OK button.
   - The settings screen for installation/service mode appears.

3 See the list of additional functions for the Wired Remote control on the next page, and then select the Installation Option 1 menu.
   - Once you have entered the settings screen, the current setting appears.
   - Refer to the chart for data setting.
   - Using the ∧ / ∨ buttons, change the settings and press the 〉button to move to the next setting.
   - Press the OK button to save the new setting.
   - Press the ⮌ button to move to the Home screen.

NOTE

- While setting the data, you can press the ⮌ button to move to the Home screen after checking the saving status at a pop-up screen.

Installation Option 1 (1/5)

Depending on the changes, the system may be restarted.

Target Address

20 00 01

Serial No. : **********

Press the OK button to set the current step.

[Installation Option 1-2page]

Installation Option 1(2/5)

Target Address: 20 00 01

Depending on the changes, the system may be restarted.

"0" 2 **0** 0 0 0

00000 00000 00000 00000

Press the OK button to set the current step.

[Installation Option 1-3page]

Installation Option 1(3/5)

Target Address: 20 00 01

Depending on the changes, the system may be restarted.

"1" **0** 0 0 0 0

00000 00000 00000 00000

Press the OK button to set the current step.

[Installation Option 1-4page]

Installation Option 1(4/5)

Target Address: 20 00 01

Depending on the changes, the system may be restarted.

"2" **0** 0 0 0 0

00000 00000 00000 00000

Press the OK button to set the current step.

[Installation Option 1-5page]

Installation Option 1(5/5)

Target Address: 20 00 01

Depending on the changes, the system may be restarted.

"3" **0** 0 0 0 0

00000 00000 00000 00000

Press the OK button to set the current step.

Settingindoorunitaddressesandinstallationoption

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	**2**	RESERVED	External room temperature sensor /Minimizing fan operation when the thermostat is off	Central control	RESERVED
SEG7	**SEG8**	**SEG9**	**SEG10**	**SEG11**	**SEG12**
1	Drain pump & Emergency Stop	Hot Coil	Auxiliary heater	Controller variables for the auxiliary heater	RESERVED
SEG13	**SEG14**	**SEG15**	**SEG16**	**SEG17**	**SEG18**
2	External control	External control output	RESERVED	Buzzer	Maximum filter usage time
SEG19	**SEG20**	**SEG21**	**SEG22**	**SEG23**	**SEG24**
3	Individual control of a remote control	Heating setting compensation	RESERVED	Away Set OFF Timer	RESERVED

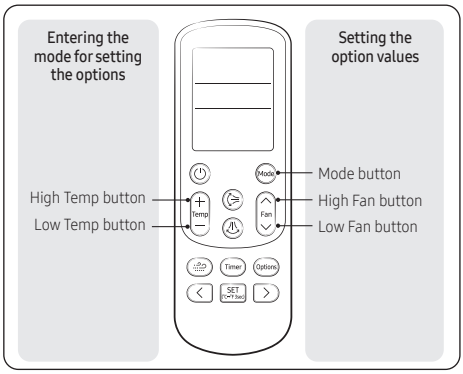
NOTE

- Press ⮌ button anytime during setup to exit without setting.
- Option code will not be applied if you don't press OK button.
- The setting Installation option code is available only with a Main wired remote control.
- Setting Installation option code is available when there is one-on-one connection between a wired remote control and an indoor unit.

Optional : Setting the indoor unit addresses and the installation options with the wireless remote control

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

Common steps for setting the addresses and options



NOTE

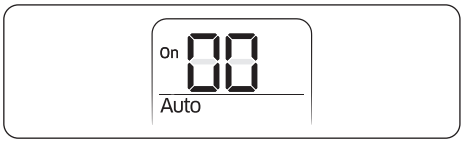
- The remote control display and buttons may vary depending on the model.

1 Enter the mode for setting the options:

   a. Remove the batteries from the remote control, and then insert them again.

   b. While holding down the (+ Temp) (High Temp) and (Temp −) (Low Temp) buttons simultaneously, insert the batteries into the remote control.

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

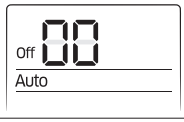


2 Set the option values.

⚠ CAUTION

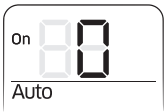
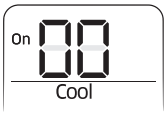
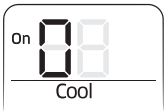
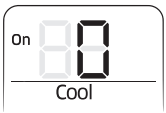
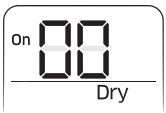
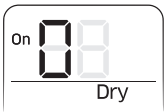
- The total number of available options are 24: SEG1 to SEG24.
- Because SEG1, SEG7, SEG13, and SEG19 are the page options used by the previous remote control models, the modes to set values for these options are skipped automatically.
- Set a 2-digit value for each option pair in the following order: SEG2 and SEG3 → SEG4 and SEG5 → SEG6 and SEG8 → SEG9 and SEG10 → SEG11 and SEG12 → SEG14 and SEG15 → SEG16 and SEG17 → SEG18 and SEG20 → SEG21 and SEG22 → SEG23 and SEG24

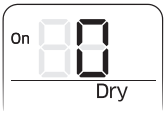
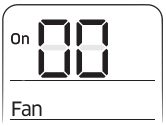
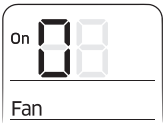
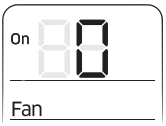
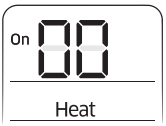
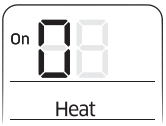
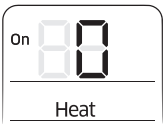
SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	X	X	X	X	X
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	X	X	X	X	X
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	X	X	X	X	X
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	X	X	X	X	X

On (SEG1 to SEG12)	Off (SEG13 to SEG24)
	

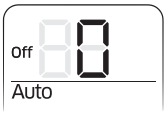
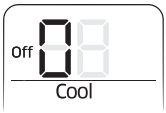
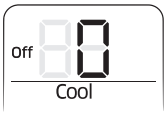
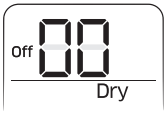
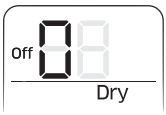
Settingindoorunitaddressesandinstallationoption

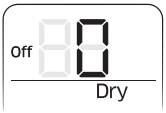
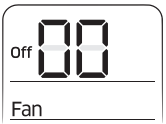
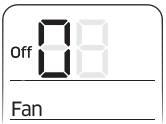
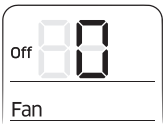
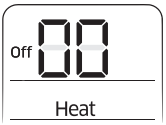
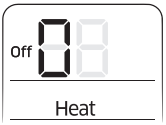
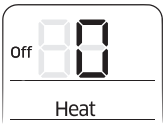
Take the steps presented in the following table:

Steps	Remote control display
1 Set the SEG2 and SEG3 values: **a** Set the SEG2 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG2
b. Set the SEG3 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG3
2 Press the (Mode) button. **Cool** and **On** appear on the remote control display.	
3 Set the SEG4 and SEG5 values: **a** Set the SEG4 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG4
b. Set the SEG5 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG5
4 Press the (Mode) button. **Dry** and **On** appear on the remote control display.	
5 Set the SEG6 and SEG8 values: **a** Set the SEG6 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG6

Steps	Remote control display
b. Set the SEG8 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG8
6 Press the (Mode) button. **Fan** and **On** appear on the remote control display.	
7 Set the SEG9 and SEG10 values: **a** Set the SEG9 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG9
b. Set the SEG10 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG10
8 Press the (Mode) button. **Heat** and **On** appear on the remote control display.	
9 Set the SEG11 and SEG12 values: **a** Set the SEG11 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG11
b. Set the SEG12 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG12

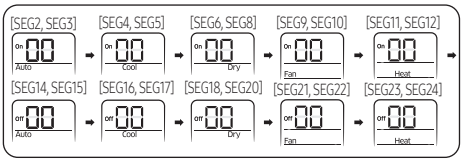
Settingindoorunitaddressesandinstallationoption

Steps	Remote control display
10 Press the (Mode) button. **Auto** and **Off** appear on the remote control display.	
11 Set the SEG14 and SEG15 values: **a** Set the SEG14 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display. b. Set the SEG15 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG14  SEG15
12 Press the (Mode) button. **Cool** and **Off** appear on the remote control display.	
13 Set the SEG16 and SEG17 values: **a** Set the SEG16 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display. b. Set the SEG17 value by pressing the (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Low Fan) or (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG16  SEG17
14 Press the (Mode) button. **Dry** and **Off** appear on the remote control display.	
15 Set the SEG18 and SEG20 values: **a** Set the SEG18 value by pressing the (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG18

Steps	Remote control display
b. Set the SEG20 value by pressing the (Fan) (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Fan) (Low Fan) or (Fan) (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG20
16 Press the (Mode) (Mode) button. **Fan** and **Off** appear on the remote control display.	
17 Set the SEG21 and SEG22 values: **a** Set the SEG21 value by pressing the (Fan) (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG21
b. Set the SEG22 value by pressing the (Fan) (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Fan) (Low Fan) or (Fan) (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG22
18 Press the (Mode) (Mode) button. **Heat** and **Off** appear on the remote control display.	
19 Set the SEG23 and SEG24 values: **a** Set the SEG23 value by pressing the (Fan) (Low Fan) button repeatedly until the value you want to set appears on the remote control display.	 SEG23
b. Set the SEG24 value by pressing the (Fan) (High Fan) button repeatedly until the value you want to set appears on the remote control display. When you press the (Fan) (Low Fan) or (Fan) (High Fan) button, values appear in the following order: 0 → 1 → ··· E → F	 SEG24

Settingindoorunitaddressesandinstallationoption

3 Check whether the option values that you have set are correct by pressing the (Mode) button repeatedly



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 (Power) 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 (Power) button again.

5 Check whether the air conditioner operates in accordance with the option values you have set:

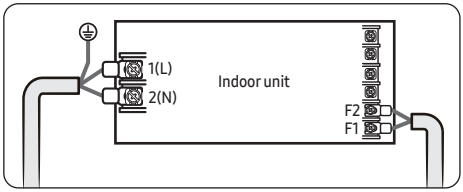
a. Reset the indoor unit by disconnecting and then reconnecting the power cable of the indoor unit or by pressing the RESET button on the outdoor unit.

b. Remove the batteries from the remote control, insert them again, and then press the (Power) button on the remote control.

Setting the indoor unit addresses (MAIN/RMC/MCU)

1 Make sure that the power is supplied to the indoor unit.
- If the indoor unit is not plugged in, it must include a power supply.

2 Make sure that the panel or display is connected to the indoor unit so that it can receive options.



3 Set an address (MAIN/RMC/MCU port) for each indoor unit using the remote control, according to your air conditioning system plan.
- The indoor unit addresses (MAIN/RMC/MCU port) are set to 0A0000-100000-200000-300000 by default.

NOTE

- Also set the MCU and Indoor units address by using Add-on → Change address on S-NET Pro 2.
(For more information, see the S-NET Pro 2 Help.)
- From SEG13 to SEG18 is for setting MCU address.
  - MCU models that can set address: MCU-S*NEK2N, MCU-S4NEK3N, MCU-S1NEK1N

Setting the installation options in a batch

Option No. for an indoor unit address: 0AXXXX-1XXXXX-2XXXXX-3XXXXX

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Function	Page		Mode		Setting main address		100-digit of an indoor unit address		10-digit of an indoor unit address		The single digit of an indoor unit	
Indication and details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		A		0	No main address	0 to 9	10-digit	0 to 9	A single digit	0 to 3	A single digit
					1	Main address setting mode						
Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12	
Function	Page		-		Setting RMC address		-		Group channel (x16)		Group address	
Indication and details	Indication	Details	-		Indication	Details	-		Indication	Details	Indication	Details
	1				0	No RMC address			RMC1	0 to F	RMC2	0 to F
					1	RMC address setting mode						
Option	SEG13		SEG14		SEG15		SEG16		SEG17		SEG18	
Function	Page		-		Setting MCU PORT address		10-digit of MCU address		1-digit of MCU		MCU PORT address	
Indication and details	Indication	Details	-		Indication	Details	Indication	Details	Indication	Details	Indication	Details
	2				0	No MCU PORT	0~1	10-digit	0~9	1-digit	A~F	PORT Location
					1	MCU PORT address setting mode						

Settingindoorunitaddressesandinstallationoption

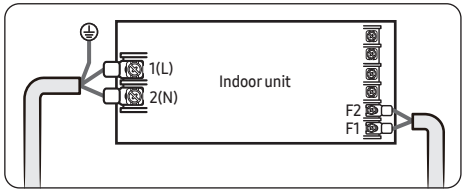
⚠ CAUTION

- If you enter A to F to the SEG5 or SEG6, the indoor unit main address is not changed.
- If you enter 0 to the SEG3, the indoor unit maintains the previous main address although you enter the option value for the SEG5 or SEG6.
- If you enter 0 to the SEG9, the indoor unit maintains previous RMC address although you enter the option value for the SEG11 or SEG12.
- You cannot set the SEG11 or SEG12 to F value at the same time.
- If the indoor unit is connected to the MCU, you can set the SEG 15~18.
- Ex.) If you want to set the indoor unit to 'A' port of MCU #1. (0A0000 – 100000 – 20101A -30000)

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

1 Make sure that the power is supplied to the indoor unit.
   - If the indoor unit is not plugged in, it must include a power supply.

2 Make sure that the panel or display is connected to the indoor unit so that it can receive options

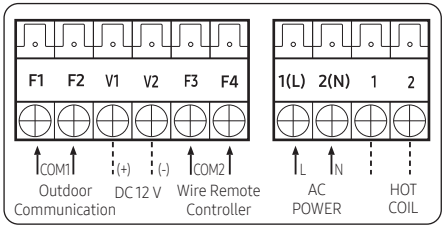


3 Set an address for each indoor unit using the remote control, according to your air conditioning system plan.
   - The indoor unit addresses are set to 020010-120000-2000A0-300000 by default.
   - The SEG20 option, Individual control with remote control, allows you to control multiple indoor units individually by using the remote control.

Installation options for the 02 series

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	-
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	Heating setting compensation / Removing condensate water in heating mode	Adjusted EEV step of stopped unit during oil return /defrost mode.	-	-

- Even if you set the Use of drain pump (SEG8) option to 0, it is automatically set to 2 (the drain pump is used with 3 minute delay).
- If you set the Maximum filter usage time (SEG18) option to a value other than 2 and 6, it is automatically set to 2 (1000 hours).
- If you set an option to a value that is out of range specified above, the option is automatically set to 0 by default.
- The SEG5 option (Use of central control) is set to 1 (Use) by default. Therefore, you don't need to set the SEG5 option additionally. Note that even if the central control system is not connected, no errors occur. If you want a specific indoor unit not to be controlled by the central control system, set the SEG option of that indoor unit to 0 (Disuse).
- The external output of SEG15 is generated via MIM-B14 connection. (Refer to the manual of MIM-B14.)
- If you set the Individual control with remote control (SEG20) option to a value other than 0 to 4, it is automatically set to 0 (Indoor1).



※ The output of hot coil terminal is AC 220 V / 230 V (The same as Indoor Unit's input Power)

Settingindoorunitaddressesandinstallationoption

02 series installation option (Detailed)

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

Option	SEG1		SEG2		SEG3		SEG4			SEG5		SEG6	
Explanation	PAGE		MODE		Evaporator Drying		Use of external room temperature sensor / Minimizing fan operation when thermostat is off			Use of central control		FAN RPM compensation	
	Indication	Details	Indication	Details	Indication	Details	Indication	Details		Indication	Details	Indication	Details
								Use of External room temperature sensor	Minimizing fan operation when thermostat is off				
Indication and Details	0		2		0	Disuse	0	Default	Default	0	Disuse	0	Disuse
							1	Use	Disuse				
							2	Disuse	Use (Heating) (*2)				
					2	Use (5min) (*1)	3	Use	Use (Heating) (*2)				
							4	Disuse	Use (Cooling) (*2)				
							5	Use	Use (Cooling) (*2)				
					4	Use (10min) (*1)	6	Disuse	Use (Heating / Cooling) (*2)	1	Use		
							7	Use	Use (Heating / Cooling) (*2)				
							8	Disuse	Use (Cooling Ultra Low Fan) (*2)				
					6	Use (30min) (*1)	9	Use	Use (Cooling Ultra Low Fan) (*2)				
							A	Disuse	Use (Heating / Cooling Ultra Low Fan) (*2)				
							B	Use	Use (Heating / Cooling Ultra Low Fan) (*2)				

Option	SEG7		SEG8		SEG9		SEG10			SEG11		SEG12
Explanation	PAGE		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		-
	Indication	Details	Indication	Details	Indication	Details	Indication	Detail		Indication	Details	
								Fan control during defrost mode	Heater control during defrost mode			
Indication and Details	1		0	Disuse	0	Disuse	1	Fan On	Off	0	Default	-
			1	Use	1	Use (*3)	2	Fan Off	On	1	Adjusted EEV Step setting	
			2	When an indoor unit stops, drain pump will operate for 3min	3	Use (*3)	3	Fan turns on when heater turns on				

Option	SEG13		SEG14		SEG15		SEG16		SEG17					SEG18	
Explanation	PAGE		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	
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Detail: Buzzer Control	Detail: Humidity sensor	Detail: APP UX DSP	Detail: R-32 sensor	Indication	Details
Indication and Details	2		0	Disuse	0	External control (Thermo On)	0	Disuse	0	Use Buzzer	Disuse	Disuse	Disuse	2	1000 Hour
									1	Disuse Buzzer	Disuse	Disuse	Disuse		
			1	ON/OFF control	1	External control (Operation On)			2	Use Buzzer	Use	Disuse	Disuse		
									3	Disuse Buzzer	Use	Disuse	Disuse		
					2	External heater signal (*4)			4	Use Buzzer	Disuse	Use	Disuse		
									5	Disuse Buzzer	Disuse	Use	Disuse		
			2	OFF control	3	External heater signal (*4)			6	Use Buzzer	Use	Use	Disuse		
									7	Disuse Buzzer	Use	Use	Disuse		
					4	Cooling operation signal (*5)	1	Use	8	Use Buzzer	Disuse	Disuse	Use	6	2000 Hour
									9	Disuse Buzzer	Disuse	Disuse	Use		
			3	Window ON/OFF control	5	Free Cooling control (Cooling Thermo On) (*6)			A	Use Buzzer	Use	Disuse	Use		
									B	Disuse Buzzer	Use	Disuse	Use		
					6	Free Cooling control (Cooling/ Dry Thermo On) (*6)			C	Use Buzzer	Disuse	Use	Use		
									D	Disuse Buzzer	Disuse	Use	Use		
									E	Use Buzzer	Use	Use	Use		
									F	Disuse Buzzer	Use	Use	Use		

Settingindoorunitaddressesandinstallationoption

Option	SEG19		SEG20		SEG21			SEG22		SEG23	SEG24
Explanation	PAGE		Individual control of a remote controller		Heating setting compensation / Removing condensate water in heating mode			Adjusted EEV step of stopped unit during oil return /defrost mode.		-	-
Indication and Details	Indication	Details	Indication	Details	Indication	Details: Heating Setting Compensation	Details: Removing Condensate Water in Heating Mode	Indication	Details	-	-
	3		0 or 1	channel 1	0	Default	Disuse	0	Default		
					1	2 ℃	Disuse				
			2	channel 2	2	5 ℃	Disuse				
					3	Default	Use (*7)				
			3	channel 3							
					4	2 ℃	Use (*7)	1	Adjusted EEV positon		
			4	channel 4							
					5	5 ℃	Use (*7)				

* 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.

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

Settingindoorunitaddressesandinstallationoption

05 series installation option (Detailed)

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

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		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	
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		5		0	Follow product option	0	0 °C	0	0 °C	0	1 °C
							1	0.5 °C	1	0.5 °C	1	1.5 °C
					1	Use Auto Change Over for HR only	2	1 °C	2	1 °C	2	2 °C
							3	1.5 °C	3	1.5 °C	3	2.5 °C
							4	2 °C	4	2 °C	4	3 °C
					2	Use Cooling only indoor unit for HR	5	2.5 °C	5	2.5 °C	5	3.5 °C
							6	3 °C	6	3 °C	6	4 °C
							7	3.5 °C	7	3.5 °C	7	4.5 °C

Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12
Explanation	PAGE		(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)		-
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	-
	1		0	1 °C	0	5min	0	Default	0	Default	-
			1	1.5 °C	1	7min	1	(*1) Height difference is more than 30m or (*2) Distance is longer than 110m			
			2	2 °C	2	9min					
			3	2.5 °C	3	11min					
			4	3 °C	4	13min	2	(*1) Height difference is 15~30m or (*2) Distance is 50~110m	2	Use	-
			5	3.5 °C	5	15min					
			6	4 °C	6	20min					
			7	4.5 °C	7	30min					

Option	SEG13		SEG14	SEG15		SEG16		SEG17	SEG18		
Explanation	-		-	Dual fuel (heater lock) setting		Dual fuel (HP lock) setting		-	Control variables when using hot water / external heater (*4)		
Indication and Details	Indication	Details	-	Indication	Detail	Indication	Detail	-	Indication	Details	
										0	Disuse
	2		-	0	Disuse	0	Disuse	-	0	At the same time as thermo on	No delay
				1	18.3 °C	1	7.2 °C		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
				3	12.8 °C	3	1.7 °C		3	1.5 °C	No delay
				4	10 °C	4	-1.1 °C		4	1.5 °C	10 minutes
				5	7.2 °C	5	-3.9 °C		5	1.5 °C	20 minutes
				6	4.4 °C	6	-6.7 °C		6	3.0 °C	No delay
				7	1.7 °C	7	-9.4 °C		7	3.0 °C	10 minutes
				8	-1.1 °C	8	-12.2 °C		8	3.0 °C	20 minutes
				9	-3.9 °C	9	-15 °C		9	4.5 °C	No delay
				A	-6.7 °C	A	-17.8 °C		A	4.5 °C	10 minutes
				B	-9.4 °C	B	-20.6 °C		B	4.5 °C	20 minutes
				C	-12.2 °C	C	-23 °C		C	6.0 °C	No delay
				D	-15 °C	D	-26 °C		D	6.0 °C	10 minutes
				E	-17.8 °C	E	-29 °C		E	6.0 °C	20 minutes
				F	Cannot be used	F	Cannot be used				

Option	SEG19		SEG20	SEG21	SEG22	SEG23			SEG24				
Explanation	PAGE		-	-	-	Forcing 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(*5)				
Indication and Details	Indication	Details	-	-	-	Indication	Details		Indication	Detail			
							Cooling Fan Setting	Heating Fan Setting		UV LED	BLE Onboarding	Whether to allow fan speed control during auto mode	MDS (motion detection sensor) control UX type
	3		-	-	-	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

Settingindoorunitaddressesandinstallationoption

Option	SEG19	SEG20	SEG21	SEG22	SEG23			SEG24				
Explanation	PAGE	-	-	-	Forcing 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(*5)				
Indication and Details	3	-	-	-	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
					6	Use (Fan: User setting)	Use (Fan: High)	6	Disuse	Use	Use	Fan speed and power saving mode can be set simultaneously
					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
					A	Use (Fan: High)	Use (Fan: High)	A	Disuse	Use	Disuse	Only fan speed or power saving mode can be set at a time
					B	Use (Fan: High)	Use (Fan: Low)	B	Use	Use	Disuse	Only fan speed or power saving mode can be set at a time
					C	Use (Fan: Low)	Disuse	C	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
					E	Use (Fan: Low)	Use (Fan: High)	E	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	Only fan speed or power saving mode can be set at a time

(*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)

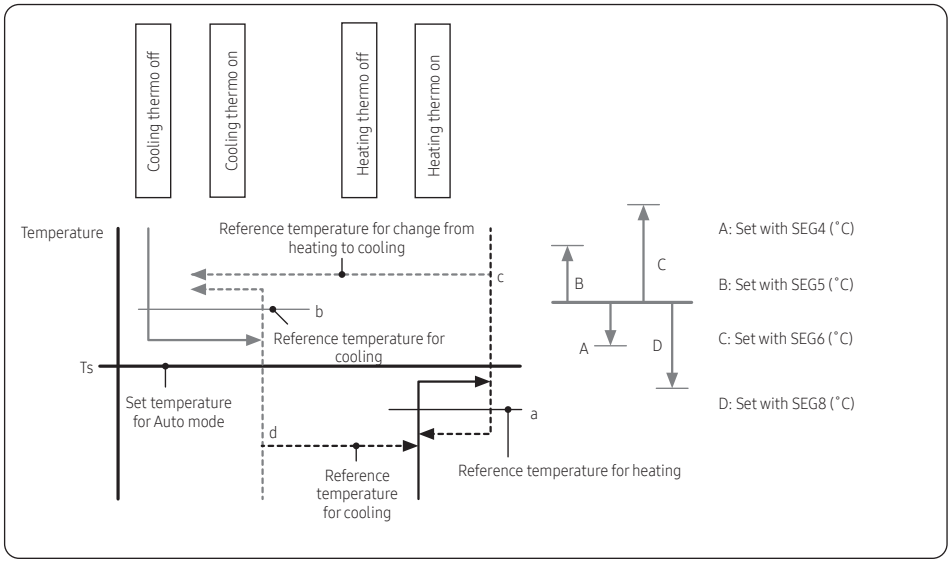
(*3) For MTFC option, MTFC(Multi Tenant Function Controller) kit is required.

(*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.)

(*5) Duct products do not use "UV LED & MDS"

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:



The mode change between the Cool and Heat modes is made only when the thermo off state is maintained for the period of time set with SEG9.

Settingindoorunitaddressesandinstallationoption

Changing the addresses and options individually

When you want to change the value of a specific option, refer to the following table and follow the steps in **Common steps for setting the addresses and options** on page **51**.

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Function	Page		Mode		Type of the option to change		Tens position of the option number		Units position of the option number		New value	
Indication and details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		D		Option type	0 to F	Tens position value	0 to 9	Units position value	0 to 9	New value	0 to F

Example: Changing the Buzzer control (SEG17) option of the installation options to 1 disuse.

Option	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
Function	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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