Air conditioner **User manual**

AM***DNQDKG

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

SAMSUNG

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

(Applicable in countries with separate collection systems)

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

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling. Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product regulatory obligations, e.g. REACH, visit our sustainability page available via www.samsung.com

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.

Hazards or unsafe practices that may result in severe personal injury or death.

Hazards or unsafe practices that may result in minor personal injury or property damage.



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 A2L	Refrigerant safety group	
	Read operating manual	
i	Refer to operating manual	
	Read service manual	

FOR INSTALLATION



- Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.
 - Extending the power line may result in electric shock or fire.
 - Do not use an electric transformer. This may result in electric shock or fire.
 - If the voltage/frequency/rated current condition is different, it may cause fire.

- The installation of this appliance must be performed by a qualified technician or service company.
 - Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury.

Install a switch and circuit breaker dedicated to the air conditioner.

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

Fix the outdoor unit firmly so that the electric part of the outdoor unit is not exposed.

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

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

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

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

- To ensure normal operation of the refrigerant leak sensor, power must be supplied to the product at all times after installation, except when repairing it.
- O 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.

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

Install the drain hose properly so that water is drained correctly.

 Failing to do so may result in water overflowing and property damage. Avoid adding drain to waste pipes as odours may arise in the future.

When installing the outdoor unit, make sure to connect the drain hose so that draining is performed correctly.

 The water generated during the heating operation in the outdoor unit may overflow and result in property damage. In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

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

• Note that the refrigerant has no odor.

Safety Information

FOR POWER SUPPLY

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

- O Do not pull or excessively bend the power line. Do not twist or tie the power line. Do not hook the power line over a metal object. place a heavy object on the power line, insert the power line between objects, or push the power line into the space behind the appliance.
 - This may result in electric shock or fire.



∧ 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



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

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

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

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

- In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.
 - Do not use a ventilating fan.
 - A spark may result in an explosion or fire.

To reinstall the air conditioner, please contact your nearest service centre.

- Failing to do so may result in problems with the product, water leakage, electric shock, or fire.
- A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.
- Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to salt in the air, please contact your nearest service centre.

O 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.

- O 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.

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

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

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

• It may cause gas leakage.

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

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

- O Do not spray volatile material such as insecticide onto the surface of the appliance.
 - As well as being harmful to humans, it may also result in electric shock, fire or problems with the product.

Do not drink the water from the air conditioner.

• The water may be harmful to humans.

Do not apply a strong impact to the remote controller and do not disassemble the remote controller.

Do not touch the pipes connected with the product.

• This may result in burns or injury.

Do not use this air conditioner to preserve precision equipment, food, animals, plants or cosmetics, or for any other unusual purposes.

• This may result in property damage.

Avoid directly exposing humans, animals or plants 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



- O Do not clean the appliance by spraying water directly onto it. Do not use benzene, thinner, alcohol or acetone to clean the appliance.
 - This may result in discoloration, deformation, damage, electric shock or fire

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

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



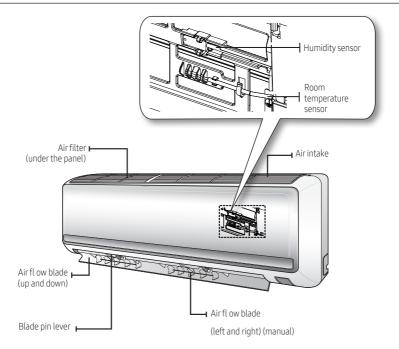
∧ CAUTION

- Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.
 - To avoid cutting your fingers, wear thick cotton gloves when cleaning it.
 - This should be done by a qualified technician please contact your installer or service centre.
- O Do not clean the inside of the air conditioner by yourself.
 - For cleaning inside the appliance, contact your nearest service centre.
 - When cleaning the internal filter, refer to the descriptions in the 'Cleaning and Maintaining' section.
 - Failure to do may result in damage, electric shock or fire.
 - Make sure to prevent any injury from sharp edges of the surface when handling the heat exchanger.

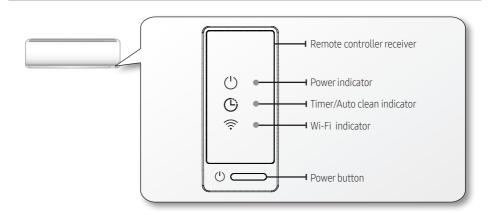
Indoor Unit Overview

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

Main parts



Display



Operation Features

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 °C to 32 °C		80% or less
Dry mode	10 0 10 52 0	Depending on the outdoor unit specification	
Heat mode	27 °C or less		-

- 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.

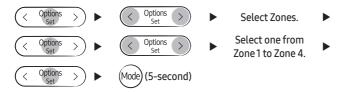
Pairing an indoor unit with a remote control

Use the Zone function to assign numbers to multiple indoor units installed in the same space, and control individual indoor units.



🖹 NOTE

- You can select either one or all of Zone 1 to Zone 4.
- If multiple products are in use, you can pair each indoor unit and remote control, and control indoor units individually.
- Setting a channel to individually control products Configure this setting using the remote control when the indoor unit power is off.



- Press the < < > button, and within 60 seconds, press the (Mode) button.
- The current Zone function settings persist even if you change the current mode or you turn off and then turn on the remote control.

If the remote control battery discharges, all settings are reset, in which case settings should be configured again.

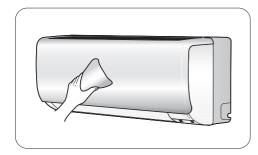
Cleaning and Maintenance

Cleaning and Maintaining

A CAUTION

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

Cleaning the indoor unit exterior



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

\land CAUTION

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

Cleaning the outdoor unit heat exchanger



\land CAUTION

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

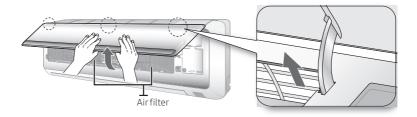
NOTE

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

Cleaning the air filter

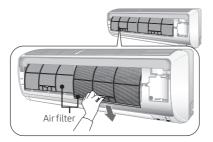
1. Opening the panel

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

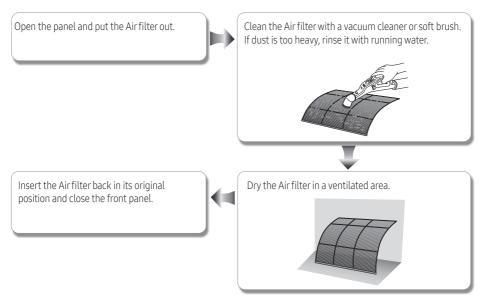


2. Removing the Air filter

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



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



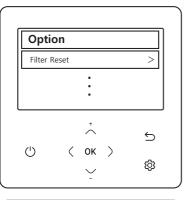
- Do not scrub the air filter with a brush or other cleaning utensil. This may damage the filter.
- Do not expose the air filter to direct sunlight when drying it.

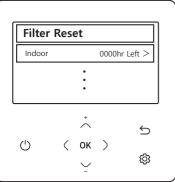
NOTE

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

Resetting the filter-cleaning reminder

Programmable Wired Controller







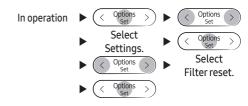
After cleaning and reassembling the air filter, be sure to reset the filter-cleaning reminder as follows :

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

Wireless Remote Control



• Indoor unit with the wireless remote control:



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

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

- 1 Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and then turn off the power. There may be internal damage if moisture is left in components.
- **2** Before using the air conditioner again, dry the inner components of the air conditioner again by running in Fan mode for 3 to 4 hours. This helps remove odours that may have generated from dampness.

Unit	Maintenance item	Interval	Requires qualified technicians
	Clean the air filter.	At least once a month	
	Clean the condensate drain pan.	Once a year	Required
Indoor unit	Clean up the heat exchange.	Once a year	Required
	Clean the condensate drain pipe.	Once every 4 months	Required
	R-32 detecting sensor	10 years	Required
	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
Outdoor unit	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

Periodical maintenance

NOTE

• The checks and maintenance operations described above are essential to guarantee the efficiency of the air conditioner. The frequency of these operations may vary depending on the characteristics of the area, the amount of dust, etc.

- 1 The above mentioned operations should be performed more frequently if the area of installation is very dusty.
- 2 If the period of use of the R-32 detecting sensor exceeds 5 years, "E695" is displayed on the wired remote control. The product works normally. Six months before the expiration of the period of use date, "E699" is displayed on the wired remote control, and the product operates normally.

If the period of use date exceeds 10 years, the wired remote control displays "E700", and the use of the product is restricted.

It must be replaced through Samsung Electronics Service Center before the expiration of the period of use date.

3 These operations must always be performed by qualified personnel. For more detailed information, refer to the Installation Manual.

Internal protections via the unit control system

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

Туре	Description	
Against cold air	The internal fan will be off against cold air when the heat pump is heating.	
De-ice cycle	The internal fan will be off against cold air when the heat pump is heating.	
Anti-protection of internal battery	The compressor will be off to protect internal battery when the air conditioner operates in Cool mode.	
Protect compressor	The air conditioner does not start operating immediately to protect the compressor of the outdoor unit after it has been started.	

NOTE

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

Troubleshooting

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.	 Connect an R-32-exclusive wired remote control. * MWR-WG01*N 	
Error E694	* R-32-exclusive wired remote controls should be purchased separately.	
An alarm sounds, and the product does not work. Error E696	 This is intended to determine whether there is a leak or not, as R-32 refrigerant is sensed. The indoor unit determines again whether or not there is a refrigerant leak while operating for 2 minutes using Fan mode (specifically High speed). If there is no refrigerant leak, the indoor unit stops operating, the error is cleared and the product can operate normally. The R-32 sensor, embedded in the indoor unit, reacts not only to R-32 refrigerant but also to high-concentration chemicals (e.g. organic solvents, hair spray and paint). Do not use any high-concentration chemicals in the vicinity of the indoor unit, as these may cause false operation of the sensor. 	
An alarm sounds, and the product does not work. Error E697, E797		

Problem	Solution
The product does not work. Error E116, E698, E699, E700	 This error occurs when the R-32 refrigerant sensor has a malfunction or the sensor's life has expired. Display "E116" or "E698" when a sensor failure occurs The R-32 sensor's lifespan is 10 years. The wired remote control displays 'E699' 6 months before the sensor's lifespan expires. After the sensor's lifespan expires, the wired remote control displays 'E700', and the product usage is limited. Contact the Samsung Electronics service center for assistance.
The air conditioner does not operate immediately after it has been restarted.	• Because of the protective mechanism, the appliance does not start operating immediately to keep the unit from overloading. The air conditioner will start in 3 minutes.
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.

Cleaning and Maintaining

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

Problem	Solution	
The air is not cool or warm enough.	 Close the windows and doors to maximize the cooling and heating efficiencies. If the Cool mode is stopped and then started immediately, cool air comes out after about 3 minutes to protect the compressor of the outdoor unit. When the Heat mode is started, warm air does not come out immediately to prevent cool air from coming out at the beginning. If the refrigerant pipe is too long, the cooling and heating efficiencies may be decreased. Avoid exceeding the maximum pipe length. 	
The air conditioner makes strange noises.	 In certain conditions (especially, when the outdoor temperature is lower than 20°C), a hissing, rumbling, or splashing sound may be heard while the refrigerant is circulating through the air conditioner. This is a normal operation 	
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. 	

SmartThings app

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



Checking the power connections

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



Setting up and connecting to a Wi-Fi access point using your smartphone

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



2 Turning off "Switch to mobile data" at "Settings > Wi-Fi" on your Smartphone

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

< Advanced		< Advanced	
	Off	Adaptive Wi-Fi	01
Switch to mobile data Insert SIM card to use mobile data.	R	This function is turned off. No SIM card has been inserted.	*
	57)		ſ,

NOTE

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

3 Checking the Internet connectivity

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

NOTE

• A firewall may prevent your smartphone from connecting to the Internet. Contact your Internet service provider for troubleshooting.

3 Downloading the SmartThings app and registering your Samsung account

1 Downloading the SmartThings app

- Search for "SmartThings" on Play Store or App Store, and download the SmartThings app to your smartphone.
- If the SmartThings app is already installed on your smartphone, update it to the latest version.

NOTE

- The SmartThings app supports Android OS 7.0 or later (with at least 2 GB RAM) and iOS 12.0 or later. The app is optimized for iPhone 6s or later and Samsung smartphones (Galaxy S and Note series).
 The updates of the SmartThings app or the functions supported by it may be discontinued for the previously supported OS versions due to reasons such as usability and security.
- The SmartThings app may change without prior notice to improve product usability and performance.

2 Registering your Samsung account

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

NOTE

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

Connecting the SmartThings app to your product

1 Selecting the product to connect to

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



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



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

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

	at kind of device do you nt to add?	
		Scan QR code
8	Air conditioner	Scan nearby
¥	Air purifier Select	Select

2 Connecting the SmartThings app to your product

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

NOTE

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

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 28. 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 has permanently registered the MAC address (a unique identification number) of your PC or modem, you may not be able to connect your product to the Internet. Contact your Internet service provider and ask how to connect devices other than your PC (such as an air conditioner and an air purifier) to the Internet.

Open Source Announcement

The software included in this product contains open source software.

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



Security updates information

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

* The website supports only some languages.

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						
Blue	tooth					
Blue Frequency Range	tooth Transmitter Power (Max)					

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.

Unit	Model	Net weight (kg)	dimension(W x D x H) (mm)
AM***DNQDKG*	**093**	19.0	1280*253*345

Information about Refrigerant

Important information: regulation regarding the refrigerant used

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



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

Refrigerant type	GWP value		
R-32	675		

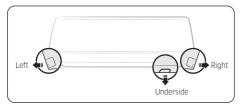
- GWP: Global Warming Potential
- Calculating tCO₂e: kg x GWP/1000

Installing the indoor unit

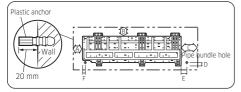
Before fixing the installation plate to the wall or window frame, you must determine the position of the 65 mm hole through which the cable, pipe and hose pass to connect the indoor unit to the outdoor unit.

When facing the wall, the pipe and cable can be connected from the:

- Right
- Left
- Underside (right)
- Rear (right or left)



 Determine the position of the pipe and drain hose hole as seen in the picture and drill the hole with an inner diameter of 65 mm so that it slants slightly downwards.



Pipe bundle hole: Ø 65 mm

(Unit : mm)

Model	А	В	С	D	E	F
AM093DNQDKG	156	67	364	34.5	64.5	19.5

2 If you fix the indoor unit to a wall, fix the installation plate to the wall giving attention to the weight of the indoor unit.

NOTE

 If you mount the plate to a concrete wall by using plastic anchors, make sure that gaps between the wall and the plate, created by projected anchor, are less than 20 mm.

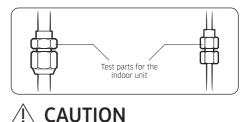
- **3** If you fix the indoor unit to a window frame, follow 4 to 6.
- 4 Determine the positions of the wooden uprights to be attached to the window frame.
- 5 Attach the wooden uprights to the window frame giving attention to the weight of the indoor unit.
- **6** Attach the installation plate to the wooden uprights using tapping screw.

Performing leak test

Leak test

LEAK TEST WITH NITROGEN (before opening valves) In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R-32, it's responsible of installer to pressurize the whole system with nitrogen (using a pressure regulator) at a pressure above 4.1MPa (gauge).

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

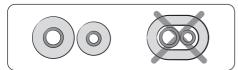


• Discharge all the nitrogen to create a vacuum and charge the system.

Wrapping the pipes with the insulation

After checking for gas leaks in the system, insulate the pipe, hose and cables. Then place the indoor unit on the installation plate.

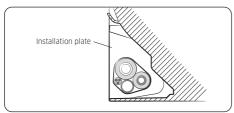
 To avoid condensation problems, place heatresistant poly-ethylene foam separately around each refrigerant pipe in the lower part of the indoor unit.



2 Wrap the refrigerant pipe and the drain hose in the rear of the indoor unit with the absorbent pad.

NOTE

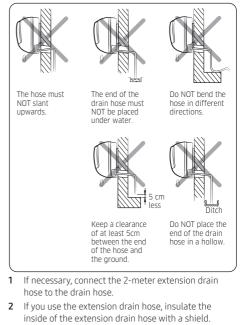
- Wind the pipe and hose three times to the end of the indoor unit with the absorbent pad. (20mm interval)
- **3** Wind the pipe, assembly cable and drain hose with insulation tape.
- 4 Place the bundle (the pipe, assembly cable and drain hose) in the lower part of the indoor unit carefully so it doesn't project from the rear of the indoor unit.



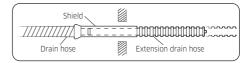
- 5 Hook the indoor unit to the installation plate and move the unit to the right and left until it is securely in place.
- 6 Wrap the rest of the pipe with vinyl tape.
- 7 Attach the pipe to the wall using clamps (optional).

Installing the drain hose

When installing the drain hose for the indoor unit, check if condensation draining is adequate. When passing the drain hose through the 65-mm hole drilled in the wall, check the following:



3 Fit the drain hose into 1 of 2 drain hose holes, then fix the end of the drain hose tightly with a clamp.



🖹 NOTE

• If you don't use the other drain hose hole, block it with a rubber stopper.

Installation Procedure

- 4 Pass the drain hose under the refrigerant pipe, keeping the drain hose tight.
- 5 Pass the drain hose through the hole in the wall. Check if it slants downwards as seen in the picture.

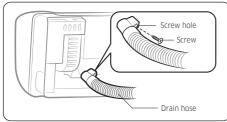
NOTE

- The hose will be fixed permanently into position after finishing the installation and the gas leak test; refer to page 12 for further details.
- DO NOT WALL UP THE DRAIN HOSE CONNECTION! Drain hose connection must be easy accessible and serviceable.

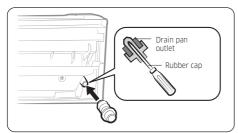
Optional: Changing direction of the drain hose

You can select the direction of the drain hose, depending on where you want to install the indoor unit.

1 Detach the rubber cap with the flyer.



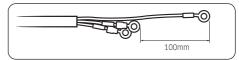
- 2 Detach the drain hose by pulling it and turning to the left.
- **3** Insert the drain hose by fixing it into the groove of the drain hose and the outlet of the drain pan.



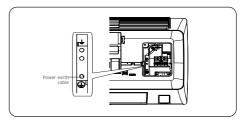
4 Attach the rubber cap with a screwdriver by turning it to the right until it fixes to the end of the groove.

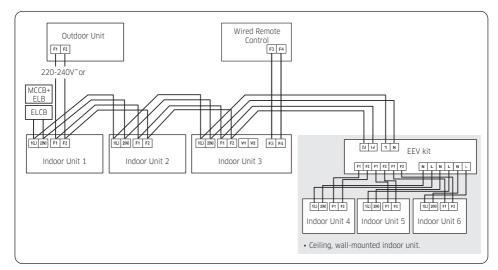
Connecting the power and communication cables

- Before wiring work, you must turn off all power source.
- 2 Indoor unit power should be supplied through the breaker(ELCB or MCCB+ELB) separated by the outdoor power.
 - ELCB:Earth Leakage Circuit Breaker
 - MCCB:Molded Case Circuit Breaker
 - ELB:Earth Leakage Breaker
- 3 The power cable should be used only copper wires.
- 4 Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.
- ${\bf 5}$ Cut the cable as like the following picture. The earth cable need to be longer than the power cable (1(L), 2(N)) by 100 mm.



6 Connect the earth cable to the plate on the evaporator as like the following picture.





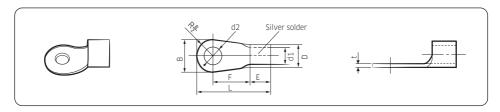
7 Connect F3, F4(for communication) wires at the back side of the indoor unit when installing the wired remote control.

- ELCB : Essential Installation
- The EEV Kit is optional component.



- Power off before connecting any wires; Indoor PBA will be damaged while V1, V2, F3, F4 short each other.
- You must connect the earth cable. If earthing is not complete, electric shock or fire may occur.

Ring terminal selection



Norminal	Norminal	E	3	(2	d	d1 E F L d2		2	t			
dimensions for cable (mm2)	for corour	Standard	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	1.7	±0.2	4.1	6	16	4.3	+0.2	0.7
C.I	4	8	±0.2	3.4	-0.2	1.7	±0.2	4.1	0	10		0	
2.5	4	6.6	10.2	4.2	+0.3	0.7			,	175	4.7	+0.2	0.0
2.5	4	8.5	±0.2	4.2	-0.2	2.3	±0.2	6	6	17.5	4.3	0	0.8
4	4	9.5	±0.2	5.6	+0.3	3.4	±0.2	4	5	20	4.3	+0.2	0.9
4	4	9.0	±0.2	0.0	-0.2	5.4	±0.2	6	5	20	4.5	0	0.9

Specification of electronic wire

Power supply	MCCB	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 242V / Min : 198V	XA	XA, 30 mmA, 0.1 s	2.5 mm2	2.5 mm2	0.75~1.5 mm2

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

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

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

n T (Coef×35.6×L _k ×i _k) (100(-first) - the -f)/d	
∑ (1000×Ak) < 10% of input voltage[V]	

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

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

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

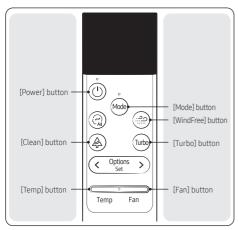
Easy Setup	Check internet connection status	Enable/Disable Wi-Fi		
AP Mode	° Mode () () () () () () () () () ()	° Mad Gal Carlon Set Turbo Turbo Turbo Turbo Turbo Turbo Turbo Turbo Turbo Turbo Turbo		
Press the 🛞 button for 5 seconds	Press the Fam button for 5 seconds	Press the 📾 and 🔿 👷 Dress the web and s		

Setting the indoor unit addresses and the installation options

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

Common steps for setting the addresses and options

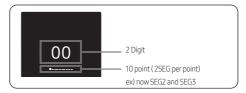
Remote controls



NOTE

- The remote control display and buttons may vary depending on the model.
- 1 Enter the mode for setting the options.
 - a. Reset remote control: Temp button Down + Fan button Down + Press for 10 seconds
 - b. You can see the "SW Initialization" message and enter the following in 5 seconds.
 - c. Press 🗁 button and 🕞 button for 5 seconds.

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



2 Set the option values.

A CAUTION

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

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

- You can set the next SEG by pressing the www button.
- You can change the digit value through the following operation. Left value: Temp up or down, range : 0 ~ F

Right value: _____ up or down, range : 0 ~ F

Take the steps presented in the following table:

	Steps	Remote control display
1	Set the SEG2 and SEG3 values:	
	a Set the SEG2 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	b. Set the SEG3 value by pressing the $\frac{1}{F_{an}}$ button repeatedly until the value you want to set appears on the remote control display.	SEG2
	When you press the or button, values appear in the following order: ☐ → ☐ → … 년 → 년	 SEG3
2	Press the button to move to the next page.	00
3	Set the SEG4 and SEG5 values:	
	a Set the SEG4 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	OO SEG4
	b. Set the SEG5 value by pressing the $\frac{1}{r_{ent}}$ button repeatedly until the value you want to set appears on the remote control display.	00
	When you press the or button, values appear in the following order: ☐ → □ → … 점 → 점	- - SEG5
4	Press the 🖮 button to move to the next page.	00

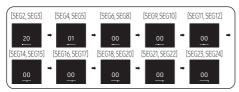
	Steps	Remote control display
5	 Set the SEG6 and SEG8 values: a Set the SEG6 value by pressing the temp button repeatedly until the value you want to set appears on the remote control display. 	00
	 b. Set the SEG8 value by pressing the button repeatedly until the value you want to set appears on the remote control display. When you press the or button, values appear in the following order: 1 → 1 → E → E 	SEG6
6	Press the 📾 button to move to the next page.	00
7	 Set the SEG9 and SEG10 values: a Set the SEG9 value by pressing the Image button repeatedly until the value you want to set appears on the remote control display. 	OO SEG9
	 b. Set the SEG10 value by pressing the [¬]_{Fan} button repeatedly until the value you want to set appears on the remote control display. When you press the [¬]_{Fan} or [¬]_{Temp} button, values appear in the following order: [¬]₁ → [¬]₁ → [¬]₂ → [¬]₁ 	00 SEG10
8	Press the 📾 button to move to the next page.	00

		Steps	Remote control display
9	Se	et the SEG11 and SEG12 values:	
	a	Set the SEG11 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
	b.	Set the SEG12 value by pressing the \square_{fan} button repeatedly until the value you want to set appears on the remote control display.	SEG11
	W B	hen you press the or button, values appear in the following order: → 日 → … 日 → 日	- SEG12
10	Pr	ess the 📾 button to move to the next page.	00
11	Se	t the SEG14 and SEG15 values:	
	a	Set the SEG14 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00 SEG14
	b.	Set the SEG15 value by pressing the $\frac{1}{r_{an}}$ button repeatedly until the value you want to set appears on the remote control display.	00
		hen you press the or button, values appear in the following order: → 日 → … 日 → 日	SEG15
12	Pr	ess the 📾 button to move to the next page.	00

	Steps	Remote control display
13	 Set the SEG16 and SEG17 values: a Set the SEG16 value by pressing the the set appears on the remote control display. 	00
	 b. Set the SEG17 value by pressing the → button repeatedly until the value you want to set appears on the remote control display. When you press the → or → button, values appear in the following order: □ → □ → ··· E → E 	SEG16
14	Press the 📾 button to move to the next page.	00
15	 Set the SEG18 and SEG20 values: a Set the SEG18 value by pressing the <u>remo</u> button repeatedly until the value you want to set appears on the remote control display. 	OO SEG18
	 b. Set the SEG20 value by pressing the Fam button repeatedly until the value you want to set appears on the remote control display. When you press the Fam or Fam or Fam button, values appear in the following order: □ • El • … E • E 	OO SEG20
16	Press the 📾 button to move to the next page.	00

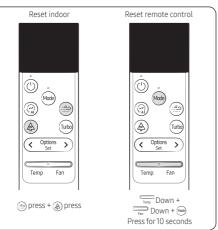
		Steps	Remote control display
17	Se	t the SEG21 and SEG22 values:	
	a	Set the SEG21 value by pressing the $\overline{T_{\rm temp}}$ button repeatedly until the value you want to set appears on the remote control display.	00
	b.	Set the SEG22 value by pressing the $\frac{1}{F_{m}}$ button repeatedly until the value you want to set appears on the remote control display.	SEG21
		then you press the $\overline{r_{an}}$ or $\overline{r_{emp}}$ button, values appear in the following order: $\bullet \square \bullet \dots \blacksquare \bullet \blacksquare$	SEG22
18	Pr	ess the 📾 button to move to the next page.	00
19	Se	t the SEG23 and SEG24 values:	
	a	Set the SEG23 value by pressing the Temp button repeatedly until the value you want to set appears on the remote control display.	00
			SEG23
		Set the SEG24 value by pressing the $rac{}_{Fan}$ button repeatedly until the value you want to set appears on the remote control display.	00
		hen you press the $\overline{r_{em}}$ or $\overline{r_{emp}}$ button, values appear in the following order: $\bullet : \bullet : \bullet : \bullet : \bullet : \bullet : \bullet$	 SEG24

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



- EX) AM***DNQDKG 020010-100000-2000A0-300000
- 4 Save the option values into the indoor unit: Point the remote control to the remote control sensor on the indoor unit and then press the button on the remote control twice. Make sure that this command is received by the indoor unit. When it is successfully received, you can hear a short sound from the indoor unit. If the command is not received, press the button again.
- 5 Check whether the air conditioner operates following the option values you have set:
 - a. Reset the indoor or outdoor unit.

 - Outdoor Unit : Press the K3 button
 - Reset remote control: the button Down +
 button Down + Press for 10 seconds You can see the "SW Initialization" message.



Setting an indoor unit address (MAIN/RMC/MCU port)

- 1 Check whether power is supplied or not.
 - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
- 2 Before installing the indoor unit, assign an address to the indoor unit according to the air conditioning system plan.
- 3 Assign an indoor unit address by wireless remote controller.

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

The initial setting status of indoor unit ADDRESS(MAIN/RMC/MCU port) is "0A0000-100000-200000-300000".

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.)

Option	SEG	1	SEG2 SEG3		SEG3	SEG4		SEG5		SI	EG6	
Explanation	PAG	E	МО	DE	Settin	g Main address	100-digit of addı		10-digit of indoor unit		The unit digit of an indoor unit	
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
Indication and Details	0		A		0	No Main address	0~9	100-digit	0~9	10-digit	0~9	A unit digit
					1	Main address setting mode				10-digit	0 7	Aunicuigie
Option	SEG	7	SEC	68		SEG9	SEC	510	SEC	G11	SE	G12
Explanation	PAGE				Settin	g RMC address			Group channel(*16)		Group address	
	Indication	Details			Indication	Details			Indication	Details	Indication	Details
Indication and Details	1		-		0	No RMC address	-					
Details					1	RMC address setting mode			RMC1	0~F	RMC2	0~F
Option	SEG1	3	SEG	514		SEG15	SEC	516	SEC	G17	SE	G18
Explanation	PAG	E	-		Setting M	ICU PORT address	10-digit of MCU address		1-digit of MCU		MCU PORT address	
	Indication	Details			Indication	Details	Indication	Details	Indication	Details	Indication	Details
Indication and Details			-		0	No MCU PORT						PORT
Details	2				1	MCU PORT address setting mode	0~1	10-digit	0~9	1-digit	A~F	Location

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

- 1 Check whether power is supplied or not.
 - When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
- 2 Set the installation option according to the installation condition of an air conditioner.
 - The default setting of an indoor unit installation option is 020010-100000-2000A0-300000.
 - Individual control of a remote control(SEG20) is the function that controls an indoor unit individually when there is
 more than one indoor unit.
- **3** Set the indoor unit option by wireless remote control.

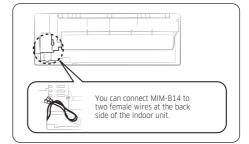
02 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	2	Evaporator Drying	Use of external room temperature sensor / Minimizing fan operation when thermostat is off	Use of central control	FAN RPM compensation
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	-	Use of 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	Adjusted EEV step of stopped unit during oil return /defrost mode.	-	-

- When setting the option other than above SEG values, the option will be set as "0".
- SEG5 central control option is basically set as 1 (Use), so you don't need to set the central control option additionally.

However, if the central control is not connected but it doesn't indicate an error message, you need to set the central control option as 0 (Disuse) to exclude the indoor unit from the central control.

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



Installation Part

02 series installation option(Detailed)

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

Option	SEC	51	SEG	i2		SEG3		SEG4		SE	G5		SEG6
Explanation	PAC	θE	MOE	DE	Evapo	orator Drying		se of external room tem or / Minimizing fan oper thermostat is off		Use of cent	ral control	FAN RPM	compensation
								Details	5				
	Indication	Details	Indication	Details	Indication	Details	Indication	Use of External room temperature sensor	Minimizing fan operation when thermostat is off	Indication	Details	Indication	Details
							0	Default	Default				
					0	Disuse	1	Use	Disuse				
							2	Disuse	Use (Heating) (*2)				
							3	Use	Use (Heating) (*2)	0	Disuse	0	Disuse
					2	Use (5min) (*1)	4	Disuse	Use (Cooling) (*2)				
Indication and Details							5	Use	Use (Cooling) (*2)				
							6	Disuse	Use (Heating / Cooling) (*2)				
	0		2		4	Use (10min) (*1)	7	Use	Use (Heating / Cooling) (*2)				
							8	Disuse	Use (Cooling Ultra Low Fan) (*2)				
							9	Use	Use (Cooling Ultra Low Fan) (*2)	1	Use	1	RPM compensation
					6	Use (30min) (*1)	A	Disuse	Use (Heating / Cooling Ultra Low Fan) (*2)				
							В	Use	Use (Heating / Cooling Ultra Low Fan) (*2)				

Option	SEC	<u>3</u> 7	SEG8		SEG9		SEG10		SEC	511	SEG12
Explanation	PAC	ĴE	-	Use of ho	ot water heater	-	for load operation during ol during defrost mode , during defrost mod	/Heater control	EEV Ste heating		-
	Indication	Details		Indication	Details	Indication	Details Fan control during Indication	Heater control during defrost mode	Indication	Details	
						0	Fan Off	Off			
						1	Fan turns on when heater turns on	Off			
						2	Fan Off	Off			
				0	Disuse	3	Fan turns on when heater turns on	Off	0	Default	
						4	Fan Off	On			
						5	Fan turns on when heater turns on	On			
						6	Fan Off	On			
Indication and Details			-	1	11 (+7)	7	Fan turns on when heater turns on	On	1	Adjusted EEV	-
	1			1	Use (*3)	8	Fan Off	Off		Step setting	
						9	Fan turns on when heater turns on	Off		Jetting	
						A	Fan Off	Off			
						В	Fan turns on when heater turns on	Off			
						С	Fan Off	On		Opening EEV	
				3	Use (*3)	D	Fan turns on when heater turns on	On	2~B	Step setting (*4)	
						E	Fan Off	On			
						F	Fan turns on when heater turns on	On			

Option	SEG	13	SEG	i14		SEG15	SEG	i16			SEG17			9	EG18
Explanation	PAG	E	Use of ex cont		control / signal / C signal / Fre	output of external External heater ooling operation we Cooling control signal	S-Plasr	na ion	humidit	y sensor (Dual S	ol / whet / wheth et Point) -32 sens	er to us / whet	se APP	Hours o	f filter usage
											Deta	iils		Indication	Details
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Buzzer	Humidity	APP	R-32		
						External control			0	Control Use Buzzer	sensor Disuse	UX DSP Disuse	sensor Disuse		
			0	Disuse	0	(Thermo On)			1	Disuse Buzzer	Disuse	Disuse	Disuse		
					1	External control			2	Use Buzzer	Use	Disuse	Disuse		
			1	ON/OFF		(Operation On)	0	Disuse	3	Disuse Buzzer	Use	Disuse	Disuse	2	1000 Hour
			1	control	2	External heater	Ū	DISUSC	4	Use Buzzer	Disuse	Use	Disuse	2	100011001
					2	signal (*5)			5	Disuse Buzzer	Disuse	Use	Disuse		
Indication					3	External heater			6	Use Buzzer	Use	Use	Disuse		
and Details	2		2	OFF	5	signal (*5)			7	Disuse Buzzer	Use	Use	Disuse		
	2		2	control	4	Cooling operation signal			8	Use Buzzer	Disuse	Disuse	Use		
					4	(*6)			9	Disuse Buzzer	Disuse	Disuse	Use		
					5	Free Cooling control (Cooling			A	Use Buzzer	Use	Disuse	Use		
						Thermo On) (*7)	1	Use	В	Disuse Buzzer	Use	Disuse	Use	6	2000 Hour
			3	Window ON/				030	С	Use Buzzer	Disuse	Use	Use		200011001
			J	OFF control	6	Free Cooling control (Cooling/			D	Disuse Buzzer	Disuse	Use	Use		
					o	Dry Thermo On) (*7)			E	Use Buzzer	Use	Use	Use		
									F	Disuse Buzzer	Use	Use	Use		

Option	SEG	19	SEG	20		SEG21		SEG22	SEG23	SEG24
Explanation	PAG	iΕ	Individua of remote co	а	Heating se	tting compensation		EEV step of stopped unit pil return /defrost mode.		
	Indication	Details	Indication	Details	Indication	Details	Indication	Details		
			0 or 1	channel 1						
			2	channel	0	Default				
Indication and Details	3		2	2			0	Default	-	-
			3	channel 3	1	2 °C				
			4	channel 4	2	5°C	1	Adjusted EEV positon		

(*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 Coolong 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) It is only for wall-mounted indoor unit with EEV Integrated. If any design condition meets either of the following below, please set SEG11 to "7".

- a The total number of wall-mounted indoor units with EEV Integrated in one (modular) system is more than 20.
- b The total number of wall-mounted indoor units with EEV Integrated in one (modular) system is more than "the total of one(modular) system's capacity(BTU/h) / 6800"). ex) Outdoor capacity 28kW → 28 /2 = 14. The total number of wall-mounted indoor units with EEV Integrated in one (modular) system is more than 14.Please refer to the EEV step table below for the system (for heating) at stop.

Indication	0	2	3	4	5	6	7	8	9	А	В
Stopped Unit's EEV step	Default	90⇔160	100↔160	110↔160	120↔160	130↔160	160	200	250	300	400

(*5) 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.

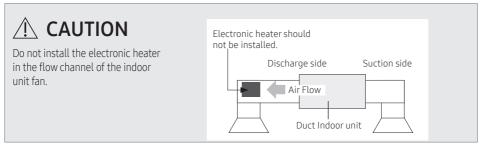
- 2: Fan is turned on continually when the external heater is turned on,
- 3: Fan is turned off when the external heater is turned on with cooling only indoor unit

Cooling only indoor unit: To use this option, install the Mode Select switch (MCM-C200) on the outdoor unit and fix it as cool mod. \cdot

• 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.

(*6) When indoor unit is in cooling or Dry mode, The output signal is "ON".

(*7) For free cooling control, Economizer controller is required.



05 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	5	Use of Auto Change Over or cooling only for HR only	(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

Installation Part

05 series installation option(Detailed)

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

Option	SEG	i1	SEG	i2	SI	EG3	9	SEG4	SE	G5	SE	G6
Explanation	PAG	E	MOE	DE	Over or C	ito Change ooling only IR only	Standa	etting SEG3) Ird heating p. Offset			(When sett Standard cha Heating -	for mode nge
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
						Follow	0	0°C	0	0°C	0	1°C
					0	product option	1	0.5°C	1	0.5°C	1	1.5°C
Indication						Use Auto	2	1°C	2	1°C	2	2°C
and Details	0		5		1	Change Over for HR	3	1.5°C	3	1.5°C	3	2.5°C
						only	4	2°C	4	2°C	4	3°C
						Use Cooling	5	2.5°C	5	2.5°C	5	3.5°C
					2	only indoor	6	3°C	6	3°C	6	4°C
						unit for HR	7	3.5°C	7	3.5°C	7	4.5°C
Option	SEG	7	SEG	8	SI	EG9	S	EG10	SEC	G11	SEC	512
Explanation	PAG	E	(When s SEG Standard f changing C Heating	3) or mode cooling →	Time re	(When setting SEG3) Time required for mode change		sation option bipe or height nee between bor units	MTFC	2 (*3)	-	
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details		
			0	1°C	0	5min	0	Default			1	
			1	1.5°C	1	7min		(*1) Height difference				
			2	2°C	2 9min 1		is more than 30m or	0	Default			
Indication and Details	1		3	2.5°C	3	11min		(*2) Distance is longer than 110m			-	
			4	3°C	4	13min		(*1) Height				
			5	3.5°C	5	15min	2	difference is		Lies		
			6	4°C	6	20min	2	15~30m or (*2) Distance	2	Use		
			7	4.5°C	7	30min		is 50~110m				

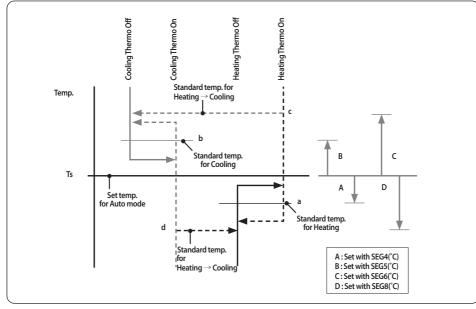
Option	SEG1	13	SE	G14	SEG	15	SEG	16	SE	G17		SEG18	
Explanation	-	-	-	-	Dual fuel lock) se		Dual fuel (I settir		-	-		riables when usin external heater (*	
	Indication	Details										Detail	S
					Indication	Detail	Indication	Detail			Indication	Set temp. for heater On/Off	Delay time for heater On
					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
Indication					4	10 °C	4	-1.1 °C			4	1.5 °C	10 minutes
and Details	2				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			А	4.5 °C	10 minutes
					в	-9.4 °C	В	-20.6 °C			В	4.5 ℃	20 minutes
					С	-12.2 °C	С	-23 °C			С	6.0 °C	No delay
					D	-15 °C	D	-26 °C	1		D	6.0 °C	10 minutes
					E	-17.8 °C	E	-29 °C	1				
					F	Cannot be used	F	Cannot be used			E	6.0 °C	20 minutes

Option	SEG	19	SEG20	SEG21	SEG22		SEG23				SE	G24	
Explanation	PAC	ēΕ	-	-	-	Forcing FA	AN Operation fo and Cooling	or Heating	Whether t	allow	fan speed cont	to use BLE Onl trol during auto n sensor) contr	
							Detai	ils				Detail	
	Indication	Details	-	-	-	Indication	Cooling Fan Setting	Heating Fan Setting	Indication	UV LED	BLE Onboarding	Whether to allow fan speed control during auto mode	MDS (motion detection sensor) control UX type
						0	Disuse	Disuse	0	Disuse	Disuse	Disuse	Fan speed and power saving mode can be set simultaneously
						1	Disuse	Use (Fan: User setting)	1	Use	Disuse	Disuse	Fan speed and power saving mode can be set simultaneously
						2	Disuse	Use (Fan: High)	2	Disuse	Use	Disuse	Fan speed and power saving mode can be set simultaneously
						3	Disuse	Use (Fan: Low)	3	Use	Use	Disuse	Fan speed and power saving mode can be set simultaneously
						4	Use (Fan: User setting)	Disuse	4	Disuse	Disuse	Use	Fan speed and power saving mode can be set simultaneously
						5	Use (Fan: User setting)	Use (Fan: User setting)	5	Use	Disuse	Use	Fan speed and power saving mode can be set simultaneously
Indication and Details						6	Use (Fan: User setting)	Use (Fan: High)	6	Disuse	Use	Use	Fan speed and power saving mode can be set simultaneously
di lu Deldits	3					7	Use (Fan: User setting)	Use (Fan: Low)	7	Use	Use	Use	Fan speed and power saving mode can be set simultaneously
			-	-	-	8	Use (Fan: High)	Disuse	8	Disuse	Disuse	Disuse	Only fan speed or power saving mode can be set at a time
						9	Use (Fan: High)	Use (Fan: User setting)	9	Use	Disuse	Disuse	Only fan speed or power saving mode can be set at a time
						A	Use (Fan: High)	Use (Fan: High)	A	Disuse	Use	Disuse	Only fan speed or power saving mode can be set at a time
						В	Use (Fan: High)	Use (Fan: Low)	В	Use	Use	Disuse	Only fan speed or power saving mode can be set at a time
						С	Use (Fan: Low)	Disuse	С	Disuse	Disuse	Use	Only fan speed or power saving mode can be set at a time
						D	Use (Fan: Low)	Use (Fan: User setting)	D	Use	Disuse	Use	Only fan speed or power saving mode can be set at a time
						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) Distance : The difference between the pipe length of the indoor unit istalled 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
 - e.g.1) Setting 02 series SEG9 ="1" / Setting 05 series SEG18 = "0": 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.
 - e.g. 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.)

SEG 3, 4, 5, 6, 8, 9 additional information

When the SEG 3 is set as "1" and follow Auto Change Over for HR only operation, it will operate as follows.



Cooling/Heating mode can be changed when Thermo Off status is maintained during the time with SEG9.

Changing a particular option

You can change each digit of set option.

Option	SEG	1	SEG	2	SEG	13	SEC	<u>3</u> 4	SEC	65	SEG	6
Explanation	PAG	E	MOD	Ε	The optio you wa chan	nt to		G you will	The unit d option SEC chan	5 you will	Changed	value
	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
Indication and Details	0	*	D		Option mode	1~6	Tens' digit of SEG	0~9	Unit digit of SEG	0~9	The changed value	0~F

NOTE

- When changing a digit of an indoor unit address setting option, set the SEG3 as 'A'.
- When changing a digit of indoor unit installation option, set the SEG3 as '2'.

Ex) When setting the 'buzzer control' into disuse status.

Option	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
Explanation	PAGE	MODE		The tens' digit of an option SEG you will change	The unit digit of an option SEG you will change	Changed value
Indication	0	D	2	1	7	1

If you are using heat pump model, mixed operation mode (two or more indoor units operating in different operation
mode simultaneously) is not available when the indoor units are connected to same outdoor unit. If you set the master
indoor unit with a remote control, outdoor unit will operate in the mode which was set in the master indoor unit.

SAMSUNG

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KAZAKHSTAN	8-10-800-500-55-500 (GSM: 7799)	www.samsung.com/kz_kz/support www.samsung.com/kz_ru/support
UZBEKISTAN	00-800-500-55-500 (GSM: 7799, 0799	www.samsung.com/uz_uz/support
	(Uztelecom))	www.samsung.com/kz_kz/support
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TAJIKISTAN	8-10-800-500-55-500 (GSM: 7779)	www.samsung.com/kz_tu/support
		www.samsung.com/kz_ru/support
MONGOLIA	1800-25-55	www.samsung.com/kz_kz/support
		www.samsung.com/kz_ru/support
Türkiye	444 77 11	www.samsung.com/tr/support

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