



# Features of your new air conditioner

## Turbo function

You can set the Turbo function to provide fast and powerful cooling (heating).

## Easy Filter

There is no grille to remove before separating the filter from the air conditioner! Therefore, filter can be cleaned easily, more frequently! Frequent filter cleaning will prevent dust from entering into the product or accumulating on the filter.

## good'sleep function

good'sleep function will allow you to have deep, good night's sleep by adjusting the temperature, fan speed and air flow direction.

## Easy Installation

It's so easy to install! You can easily hang the product on the wall and connect the pipes and wires by opening the cover on the bottom of the product. Now you won't have to tilt the product to connect the pipe and the wires!



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

#### (Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste at the end of their working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal.

For information on Samsung's environmental commitments and product specific regulatory obligations e.g. REACH visit: [samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data\\_corner.html](http://samsung.com/uk/aboutsamsung/samsungelectronics/corporatecitizenship/data_corner.html)

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# Safety precautions

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Before using your new air conditioner, please read this manual thoroughly to ensure that you know how to safely and efficiently operate the extensive features and functions of your new appliance.

Because the following operating instructions cover various models, the characteristics of your air conditioner may differ slightly from those described in this manual. If you have any questions, call your nearest contact center or find help and information online at [www.samsung.com](http://www.samsung.com).

## Important safety symbols and precautions:

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 <b>WARNING</b>	Hazards or unsafe practices that may result in <b>severe personal injury or death.</b>		
 <b>CAUTION</b>	Hazards or unsafe practices that may result in <b>minor personal injury or property damage.</b>		
	Follow directions.		Cut-off the power supply.
	Do NOT attempt.		Do NOT disassemble.
	Make sure the machine is grounded to prevent electric shock.		

## FOR INSTALLATION

### **WARNING**

**!** Use the power line with the power specifications of the product or higher and use the power line for this appliance only. In addition, do not use an extension line.

- ▶ Extending the power line may result in electric shock or fire.
- ▶ Do not use an electric transformer. It may result in electric shock or fire.
- ▶ If the voltage/frequency/rated current condition is different, it may cause fire.

**The installation of this appliance must be performed by a qualified technician or service company.**

- ▶ Failing to do so may result in electric shock, fire, explosion, problems with the product, or injury and may also void warranty on the installed product.

**Install a Isolation Switch next to the Air Conditioner (but not on the panels of the Air Conditioner)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, fire, explosion, problems with the product.

- 🚫 Do not install this appliance near a heater, inflammable material. Do not install this appliance in a humid, oily or dusty location, in a location exposed to direct sunlight and water (rain drops). Do not install this appliance in a location where gas may leak.
  - ▶ This may result in electric shock or fire.
- Never install the outdoor unit in a location such as on a high external wall where it could fall.
  - ▶ If the outdoor unit falls, it may result in injury, death or property damage.
- ⚡ This appliance must be properly grounded. Do not ground the appliance to a gas pipe, plastic water pipe, or telephone line.
  - ▶ Failure to do so may result in electric shock, fire, and explosion.
  - ▶ Make sure to use a socket-outlet with ground.

## FOR INSTALLATION

### ⚠ 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 draining hose properly so that water is drained correctly.
  - ▶ Failing to do so may result in water overflowing and property damage. Avoid adding drain to waste pipes as odours may arise in the future.
- When installing the outdoor unit, make sure to connect the draining hose so that draining is performed correctly.
  - ▶ The water generated during the heating operation by the outdoor unit may overflow and result in property damage.
  - ▶ In particular, in winter, if a block of ice falls, it may result in injury, death or property damage.

## FOR POWER SUPPLY

### ⚠ WARNING

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

# Safety precautions

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## FOR POWER SUPPLY | CAUTION

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 **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

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

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

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

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

**In the event of a gas leak (such as propane gas, LP gas, etc.), ventilate immediately without touching the power line. Do not touch the appliance or power line.**

- ▶ Do not use a ventilating fan.

- ▶ A spark may result in an explosion or fire.

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

- ▶ Failing to do so may result in problems with the product, water leakage, electric shock, or fire.

- ▶ A delivery service for the product is not provided. If you reinstall the product in another location, additional construction expenses and an installation fee will be charged.

- ▶ Especially, when you wish to install the product in an unusual location such as in an industrial area or near the seaside where it is exposed to the salt in the air, please contact your nearest service center.

 **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 insert your fingers or foreign substances into the outlet when the air conditioner is operating.**
  - ▶ Take special care that children do not injure themselves by inserting their fingers into the product.
- Do not touch the air flow blade with your hands or fingers during the heating operation.**
  - ▶ This may result in electric shock or burns.
- Do not insert your fingers or foreign substances into the air inlet/outlet of the air conditioner.**
  - ▶ Take special care that children do not injure themselves by inserting their fingers into the product.
- Do not strike or pull the air conditioner with excessive force.**
  - ▶ This may result in fire, injury, or problems with the product.

## FOR USING

## ⚠ WARNING

- 🚫 **Do not place an object near the outdoor unit that allows children to climb onto the machine.**
  - ▶ This may result in children seriously injuring themselves.
- Do not use this air conditioner for long periods of time in badly ventilated locations or near infirm people.**
  - ▶ Since this may be dangerous due to a lack of oxygen, Open a window at least once an hour.
- 🚫 **If any foreign substance such as water has entered the appliance, cut-off the power supply and contact the nearest service center.**
  - ▶ Failing to do so may result in electric shock or fire.
- 🚫 **Do not attempt to repair, disassemble, or modify the appliance yourself.**
  - ▶ Do not use any fuse (such as cooper, steel wire, etc.)other than the standard fuse.
  - ▶ Failing to do so may result in electric shock, fire, problems with the product, or injury.

# Safety precautions

## FOR USING

## ⚠ CAUTION

### ! Do not place objects or devices under the indoor unit.

- ▶ Water dripping from the indoor unit may result in fire or property damage.  
(example electrical appliances)

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

- ▶ Failing to do so may result in injury, death or property damage.

Max current is measured according to IEC standard for safety and current is measured according to ISO standard for energy efficiency.

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

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

### Do not operate the appliance with wet hands.

- ▶ This may result in electric shock.

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

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

### Do not drink the water from the air conditioner.

- ▶ The water may be harmful to humans.

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

### Do not touch the pipes connected with the product.

- ▶ This may result in burns or injury.

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

- ▶ This may result in property damage.

### Avoid directly exposing humans, animals or plants from the air flow from the air conditioner for long periods of time.

- ▶ This may result in harm to humans, animals or plants.



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

- 🚫 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 or alcohol 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.

## FOR CLEANING

### ⚠ CAUTION

- ❗ Take care when cleaning the surface of the heat exchanger of the outdoor unit since it has sharp edges.
  - ▶ This should be done by a qualified technician please contact your installer or service center.
- 🚫 Do not clean the inside of the air conditioner by yourself.
  - ▶ For cleaning inside the appliance, contact your nearest service center.
  - ▶ When cleaning the internal filter, refer to the descriptions in the 'Cleaning the air conditioner' section.
  - ▶ Failure to do so may result in damage, electric shock or fire.

# Checking before use

## Operation ranges

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

Mode	Operational Temperature		Indoor Humidity	If Out of Conditions
	Indoor	Outdoor		
COOLING	16°C to 32°C	-5°C to 48°	80% or less	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.
HEATING	27°C or less	-20°C to 24°C	-	Internal protection triggers and the air conditioner will stop.
DRYING	16°C to 32°C	-5°C to 48°C	-	Condensation may occur on the indoor unit with risk to have either water blow off or drops on the floor.

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

## Maintaining your air conditioner

### Internal protections via the unit control system

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

Type	Description
Against cold air	The internal fan will be off to prevent cold air when the heat pump is heating.
Defrost cycle	The internal fan will be off to defrost ice when the heat pump is heating. Vertical air flow blade will be closed during defrost cycle and it will open again during heating operation after defrost cycle.
Protect compressor	The air conditioner does not start operating immediately to help protect the compressor of the outdoor unit after it has been started.

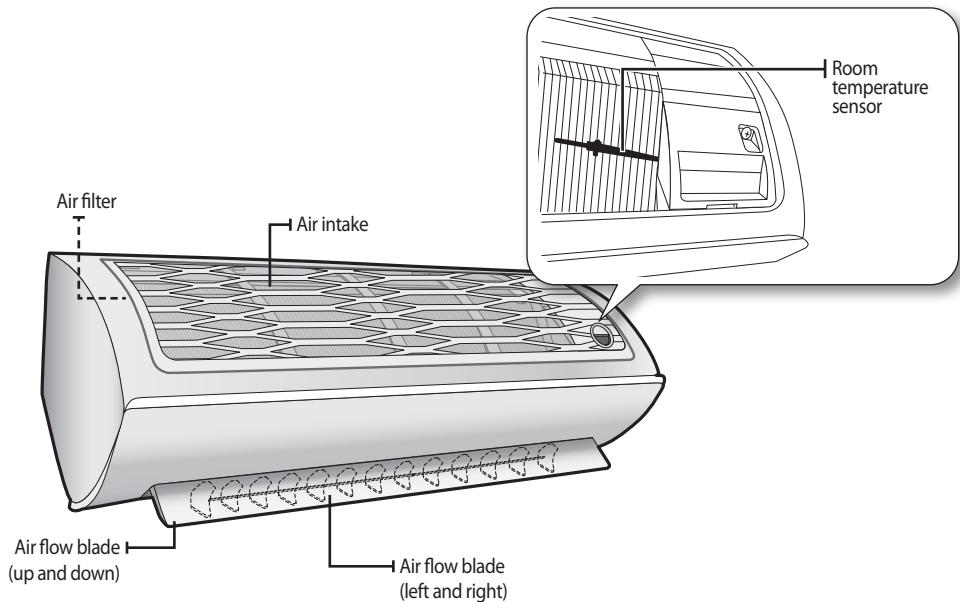


- If the heat pump is operating in Heat mode, defrost cycle is actuated to help remove frost from an outdoor unit that may have deposited at low temperatures.

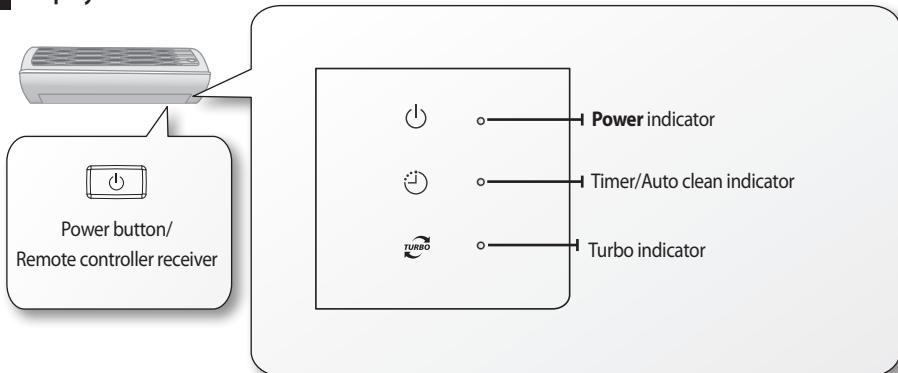
The internal fan is switched off automatically and restarted only after the defrost cycle is completed.

# Checking the name of the parts

## Main parts



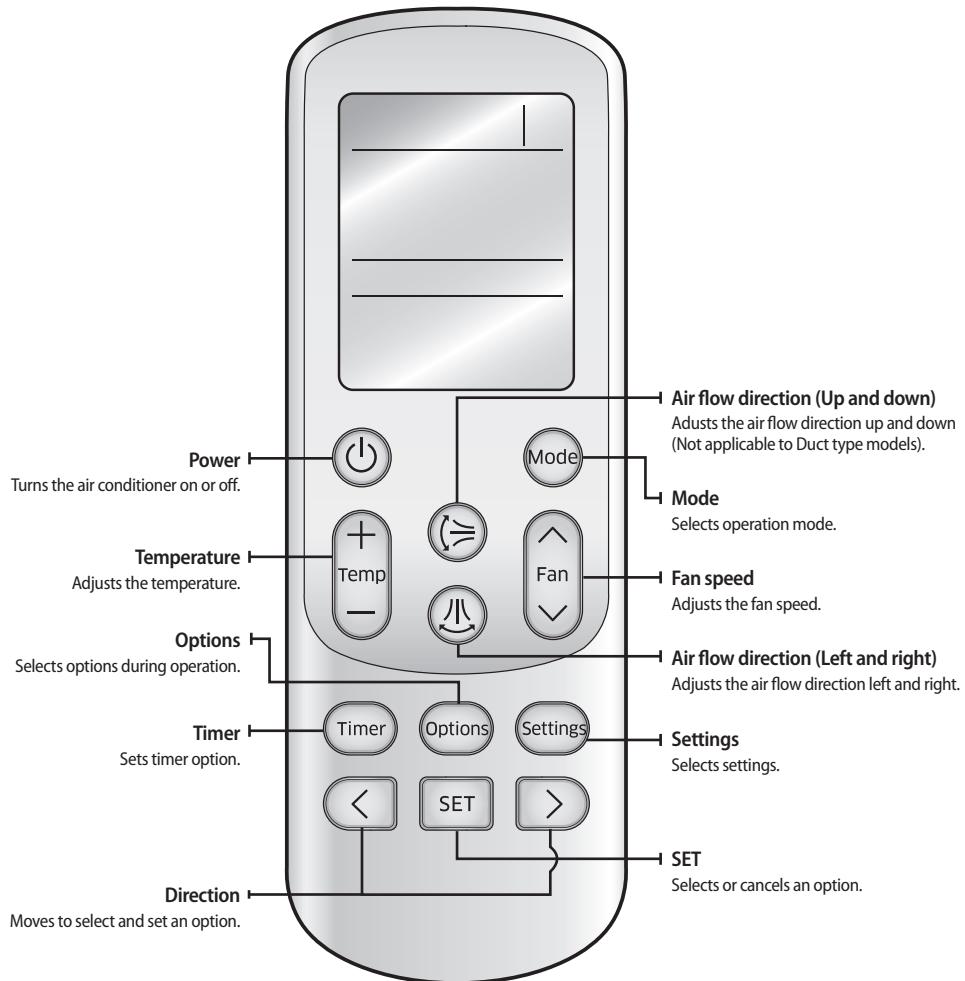
## Display



# Using the remote controller

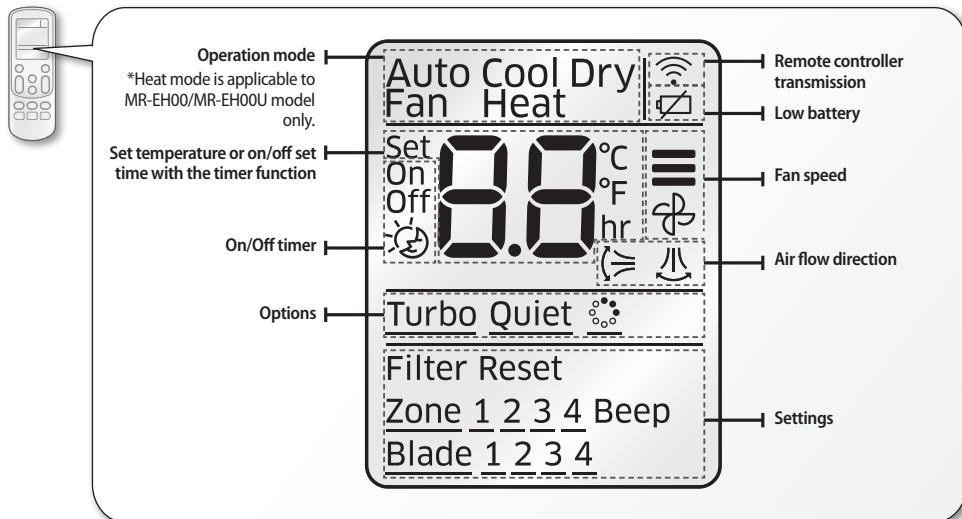
- ▶ Point the remote controller towards the remote controller receiver of the indoor unit.
- ▶ When you press the button on the remote controller correctly, you will hear beep sound from the indoor unit and a transmit indicator(✉) appears on the remote controller display.

## Remote controller buttons



- In case you wish to cancel the options or settings that you have just set, press the **Options** or **Settings** button again, then the most recently selected item will blink and you may simply cancel it by pressing the **SET** button while selected item is blinking.

## Remote controller display



- For MR-EH00U/MR-EC00U model, the temperature unit will be indicated by "°F" on the display.
- When turning off and turning on the remote controller, the Timer, Options and Settings set before turning off the remote controller are cancelled. However, the fan direction does not change.

## Battery changing time

When the battery is exhausted, (⌚) will be displayed on the remote controller display. When the icon appears, change the batteries.

The remote controller requires two 1.5V AAA type batteries.

## Storing the remote controller

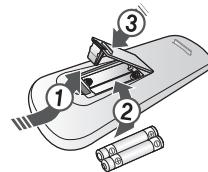
When you do not use the remote controller for a long time, remove the batteries from the remote controller and store it in the remote controller holder.



# Using the remote controller

## Inserting the batteries

1. Open the battery cover of the remote controller.
  - Press the (  ) part gently and lift it up in the arrow direction.
2. Insert the batteries.
  - Check and match the (+)and (-) signs accordingly.
3. Close the battery cover.
  - Match the cover and bottom part of the remote controller and press it until you hear click sound.



- Make sure that water is not allowed to enter the remote controller.



- There is a possibility that the air conditioner will not operate by remote controller near strong light such as a fluorescent lamp or neon sign. In this case, use the remote controller in front of the remote controller receiver of the indoor unit.
- If other electrical products are operated by the remote controller, call your nearest service center.
- **Filter reset** : When the filter reset indicator is turned on the indoor unit display, clean the filter and press the **Settings** → <, > or **Settings** → (Filter Reset) blinking → **SET** button.
- **Beep off** : To silence the beep sound, press the **Settings** → <, > or **Settings** → (Beep) blinking → **SET** button. If you press the **Settings** → <, > or **Settings** → (Beep) blinking → **SET** button again, the beep sound will ring again.



### Correct disposal of batteries in this product

#### (Applicable in countries with separate collection systems)

This marking on the battery, manual or packaging indicates that the batteries in this product should not be disposed of with other household waste at the end of their working life. Where marked, the chemical symbols Hg, Cd or Pb indicate that the battery contains mercury, cadmium or lead above the reference levels in EC Directive 2006/66. If batteries are not properly disposed of, these substances can cause harm to human health or the environment.

To protect natural resources and to promote material reuse, please separate batteries from other types of waste and recycle them through your local, free battery return system.

# Basic operation

Basic operation is an operation mode that can be selected by pressing the **Mode** button.

## Auto

In Auto mode, the air conditioner will automatically adjust the temperature and fan speed to maintain your fresh environment.

- ▶ When the indoor temperature is too high, the powerful cool breeze is generated and when the indoor room becomes cool enough, the soft breeze is generated.

## Cool

Cool mode is frequently used and you can freely control the temperature, fan speed, and air flow direction in Cool mode.

- ▶ When you select the Heat mode while the Cool mode is on, the Cool mode is cancelled.

## Dry

The air conditioner in Dry mode acts like a dehumidifier by removing moisture from the indoor air. The Dry mode will provide you with fresh air even on a rainy day.

## Fan

Fan mode provides you with a breeze just like a fan to make fresh environment for you.

## Heat (MR-EH00/MR-EH00U)

In Heat mode, you can warm your room even in the fall and winter.

- ▶ The fan may not commence immediately to avoid generating a cold breeze.
- ▶ During the Heat mode, defrost operation may be performed to remove the frost formed on the outdoor unit. (When the frost is removed by the defrost operation in Heat mode, steam is generated from the outdoor unit.)
- ▶ If you stop operating the air conditioner after heating operation, the fan will operate for some time to cool the indoor unit.
- ▶ When you select the Cool mode while the Heat mode is on, the Heat mode is cancelled.



NOTE

- When the outdoor temperature is low and humidity is high during the heat mode, the outdoor unit's heating capacity may decrease due to the frost formed on the outdoor heat exchanger. The defrost operation removes the frost formed on the heat exchanger of the outdoor unit for 5 ~ 12 minutes. During the defrost operation, the indoor unit does not generate breeze in order to prevent cold breeze blowing out.
  - \* The interval between the defrost operation can decrease depending on the amount of the frost formed on the outdoor unit.
  - \* The interval between defrost operation can also decrease by humidity level with rain or snow.

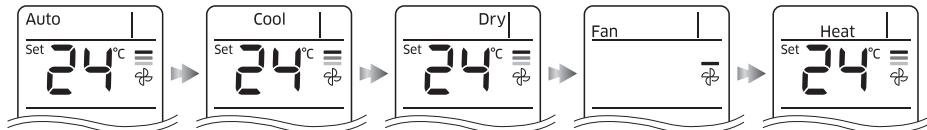
# Basic operation

## Turning the air conditioner on

Press the  button to operate the air conditioner.

## Selecting the operation mode

Press the  button to select an operation mode.



\* Heat mode operates with MR-EH00/MR-EH00U model only.

## Adjusting the temperature

Press the  button to adjust the temperature.

Auto	Temperature can be adjusted by 1 °C(1 °F) within the range of 18 °C(65 °F)~30 °C(86 °F).
Cool	Temperature can be adjusted by 1 °C(1 °F) within the range of 18 °C(65 °F)~30 °C(86 °F).
Dry	Temperature can be adjusted by 1 °C(1 °F) within the range of 18 °C(65 °F)~30 °C(86 °F).
Fan	Temperature cannot be adjusted.
Heat	Temperature can be adjusted by 1 °C(1 °F) within the range of 16 °C(61 °F)~30 °C(86 °F).

## Selecting the fan speed

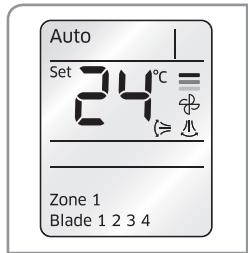
Press the  button to adjust the fan speed.

Auto	 (Auto)
Cool	 (Auto),  (Low),  (Med),  (High)
Dry	 (Auto)
Fan	 (Low),  (Med),  (High)
Heat	 (Auto),  (Low),  (Med),  (High)

## Selecting air flow direction

This function allows you to shift the air flow direction up and down or left and right.

**Press the  or  button to move the air flow direction up and down or left and right while the air conditioner is turned on.**



Remote controller display

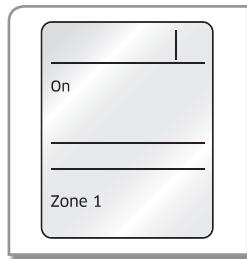
- ▶ When the blade reaches the desired position, press the  or  button one more time to set the air flow direction. The up/down and left/right tilting of the blade will stop.
- ＊ Duct type model cannot adjust air flow direction up and down.
- ＊  button not available on RAC.

# Setting the On/Off timer

You can set the air conditioner to be turned on or off automatically at desired time.

## Setting the On timer

When the air conditioner is turned off.



Remote controller display

1. Press the **Timer** button to select (On).
  - (On) indicator will keep blinking and you can set the time.
2. Press the < or > button to set the time.
  - You can set the time in half hour unit from 30 minutes (0.5 on the display) ~ 3 hours and hour unit from 3 ~ 24 hours.
  - Time can be set from minimum 30 minutes to maximum 24 hours.
3. Press the **SET** button to complete the On timer setting.
  - (On) indicator and the set time of the timer will be displayed on the remote controller display.
  - On timer setting will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the (On) indicator on the remote controller display.

Cancel

▶ Press the **Timer** button → select (On) → press the < or > button → set the timer to **00** → press the **SET** button.

### Additional options available in On timer

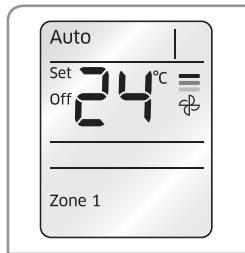
 Mode	Select the mode from (Auto) → (Cool) → (Dry) → (Fan) and → (Heat). ※ Heat mode operates with MR-EH00/MR-EH00U model only.
 Temp	You can adjust the temperature after timer setting is completed. Temperature adjustment is only available in Auto/Cool/Dry/Heat mode. In Fan mode, temperature cannot be adjusted. ※ Heat mode operates with MR-EH00/MR-EH00U model only.



- When On timer setting is completed, the set status will be displayed for 3 seconds, and then only (On) indicator will remain on the remote controller display thereafter.

## Setting the Off timer

### When the air conditioner is turned on



Remote controller display

1. Press the **Timer** button to select (Off).  
- (Off) indicator will keep blinking and you can set the time.
2. Press the < or > button to set the time.  
- You can set the time in half hour unit from 30 minutes (0.5 on the display) ~ 3 hours and hour unit from 3 ~ 24 hours.  
- Time can be set from minimum 30 minutes to maximum 24 hours.
3. Press the **SET** button to complete the Off timer setting.  
- (Off) indicator and the set time of the timer will be displayed on the remote controller display.  
- Off timer setting will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the (Off) indicator on the remote controller display.

Cancel

▶ Press the **Timer** button → select (Off) → press the < or > button → set the timer to **00** → press the **SET** button.

NOTE

• Only the latest setting timer will be applied between the Off Timer and good' sleep off timer functions.

### Combining On timer and Off timer

When the air conditioner is turned off	When the air conditioner is turned on
<p>When set time on On timer is shorter than Off timer e.g. On timer: 3 hours, Off timer: 5 hours</p> <ul style="list-style-type: none"> <li>• The air conditioner will be turned on after 3 hours from the moment you have set the timer and the air conditioner will remain on for 2 hours and then be turned off automatically.</li> </ul>	<p>When set time on On timer is longer than Off timer e.g. On timer: 3 hours, Off timer: 1 hour</p> <ul style="list-style-type: none"> <li>• The air conditioner will be turned off after 1 hour from the moment you have set the timer and will be turned on after 2 hours from the moment it was turned off.</li> </ul>



- Set time for the On timer and the Off timer should be different from each other.

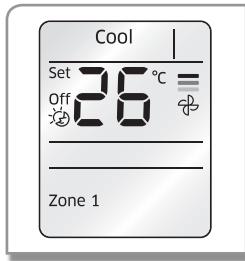
NOTE

- When the On timer or the Off timer is set, setting can be cancelled by pressing the **Power** button.

# Setting the good'sleep mode

For a comfortable sleep, the air conditioner will operate in 3 stages in order of 'Fall asleep' ▷ 'Sound sleep' ▷ 'Wake up' stages.

**When the air conditioner is operating in Cool mode:**



Remote controller display

1. Press the **Timer** button to select (⌚).
  - (⌚) indicator will keep blinking and you can set the time.
2. Press the < or > button to set the time.
  - You can set the time in half hour unit from 30 minutes (0.5 on the display) ~ 3 hours and hour unit from 3 ~ 12 hours.
  - Time can be set from minimum 30 minutes to maximum 12 hours.
  - Default time setting for the good'sleep mode is 8 hours.
3. Press the **SET** button to complete the good'sleep mode setting.
  - (⌚) indicator and the set time of the good'sleep mode will be displayed on the remote controller display.
  - good'sleep mode will be cancelled if you don't press the **SET** button within 10 seconds after setting the time. Therefore, check for the (⌚) indicator on the remote controller display.

Cancel

► Press the **Timer** button → select (⌚) → press the < or > button → set the timer to 00 → press the **SET** button.

## Additional options available in good'sleep mode



Temperature can be adjusted by 1 °C(1 °F) within the range of 18 °C(65 °F)~30 °C(86 °F).

## Temperature and Fan speed change in good'sleep mode

1. Fall asleep mode : Provides you with comfortable environment for a good sleep by rapid cooling and hypnagogue expedition breeze.
2. Sound sleep mode : The sound sleep mode adjusts temperature and air flow in waves to maintain healthy skin temperature while it aids deep sleep. According to the change of good'sleep operation hours, the sound sleep hour can be longer or shorter.
3. Wake up from good'sleep mode : Provides you with the air flow that adjusts your body temperature to wake you up in a fresh status.



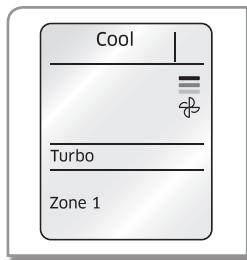
NOTE

- Fan speed and the air flow direction will be adjusted automatically in good'sleep mode.
- Recommended set temperature is between 25 °C(77 °F) ~ 27 °C (81 °F) and 26 °C(79 °F) is the most ideal temperature.
- If the set temperature is too low, you may feel cold during sleep or catch a cold.
- Optimal operation hour of good'sleep mode is 8 hours. Therefore, if the time is set too short or long, you may not feel as comfortable as you would expect.
- If the good'sleep mode is set over 5 hours, Wake up stage will begin when 1 hour is remaining in the operation time and the air conditioner will stop automatically.
- When the On timer and the good'sleep mode are set simultaneously, the air conditioner will only apply the function that was set later.
- While good'sleep mode is operating, mode can be set additionally by pressing the **Options** button.
- If you press the **Options** button and select the Turbo/Quiet function, the good'sleep mode will be cancelled and the selected mode will begin operation.
- If you press the **Mode** button, the good'sleep mode will be cancelled and the selected mode will begin operation.

# Using the Turbo function

You can set the Turbo function to provide fast and powerful cooling (heating).

**When the air conditioner is operating in Cool or Heat mode;**



Remote controller display

1. Press the **Options** button.
2. Press the **<, >** or **Options** button until (Turbo) indicator starts to blink.
3. Press the **SET** button to set the Turbo function.
  - (Turbo) → (Turbo) indicator will be displayed on the remote controller display and Turbo function will operate for 30 minutes.

**Cancel** ► Press the **Options** button → press the **<, >** or **Options** button to make the (Turbo) indicator blink and press the **SET** button.



NOTE

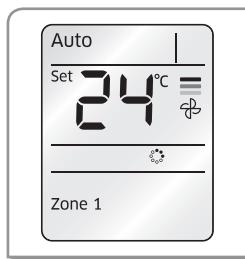
- Turbo function is only available in Cool/Heat mode.
- Heat mode operates with MR-EH00/MR-EH00U model only.
- If the Turbo function is selected while Quiet function is on, the Quiet function will be cancelled.
- Air flow direction can be adjusted with every direction.
- Duct type model cannot adjust air flow direction up and down.
- Temperature and fan speed cannot be adjusted.

# Using the Purity function

Purity function will remove harmful materials in the air to provide you clean and healthy environment.

You can select this function additionally while the air conditioner is in operation.

## When the air conditioner is turned on



Remote controller display

1. Press the **Options** button.
2. Press the **<, >** or **Options** button until  $(\text{P} \cdot \text{P})$  indicator starts to blink.
3. Press the **SET** button to set the Purity function.  
-  $(\text{P} \cdot \text{P}) \rightarrow (\text{P} \cdot \text{P})$  indicator will be displayed on the remote controller display and Ionizer function will begin.

Cancel

▶ Press the **Options** button → press the **<, >** or **Options** button to make the  $(\text{P} \cdot \text{P})$  indicator blink and press the **SET** button.

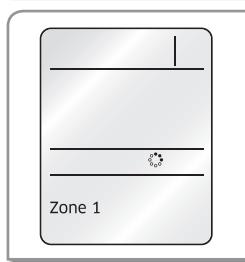


- You may select the purity function additionally during Auto/Cool/Dry/Heat mode and you can adjust the temperature.

\* Heat mode operates with MR-EH00/MR-EH00U model only.

- If the purity function is selected additionally in fan mode, the temperature cannot be adjusted.
- When the air conditioner and the purity function are turned on simultaneously and you press the **Power** button, both air conditioner and purity function will stop operation.
- You can still use the purity function when the On timer is set with the air conditioner is turned off.
- There will not be much difference on energy consumption and operating noise when the purity function is selected additionally while the air conditioner is turned on.

## When the air conditioner is turned off



Remote controller display

1. Press the **Options** button.
2. Press the **SET** button when  $(\text{P} \cdot \text{P})$  indicator blinks to begin purity function.  
-  $(\text{P} \cdot \text{P}) \rightarrow (\text{P} \cdot \text{P})$  indicator will be displayed on the remote controller display and Ionizer function will begin.

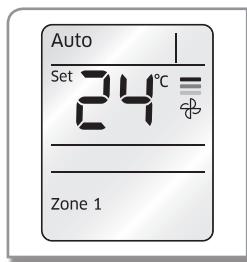
Cancel

▶ Press the **Options** button to make the  $(\text{P} \cdot \text{P})$  indicator blink and press the **SET** button.

# Selecting an indoor unit

You can select and operate individual indoor units out of 4 indoor units.

## When the air conditioner is turned on



Remote controller display

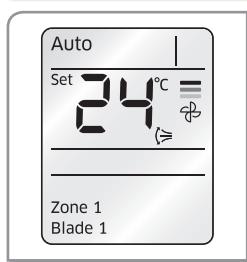
1. Press the **Settings** button.
2. Press the **<, >** or **Settings** button until (Zone) indicator starts to blink.
3. Press the **SET** button to select the indoor unit you want to operate.
  - You can select individual units in order (1~4) or select all indoor units at one time.

\* Before Selecting an Indoor unit ,you need setting indoor zone .Reference installation manual 02 series installation option.

# Selecting a blade

You can select and operate individual blades out of 4 blades.

## When the air conditioner is turned on



Remote controller display

1. Press the **blade selection** button.
  - Blade 1234 will be displayed.
2. Press the **Settings** button.
3. Press the **<, >** or **Settings** button until (Blade) indicator starts to blink.
4. Press the **SET** button to select the blade you want to operate.
  - You can select the individual blades in order (1~4) or select all blades at one time.

\* **blade selection** button not available on RAC.



NOTE

- To cancel the selected blade, press the **blade selection** button.

NOTE

- When selecting the blade individually, **blade selection** button will not work.

# Cleaning the air conditioner



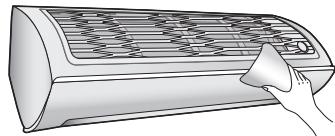
- Make sure to turn off the power of the indoor unit and cut-off the power supply before cleaning the air conditioner.

## Cleaning the indoor unit

- ▶ Wipe the surface of the unit with a slightly damp micro fiber cloth when needed.



- Contact the service center when you clean the indoor unit heat exchanger because it needs to be disassembled.
- Since the panel of the indoor unit is easily scratched, you should use a micro fiber cloth to clean the panel. When you use the micro fiber cloth, slightly dampen the cloth and remove any debris on the cloth to avoid scratches.

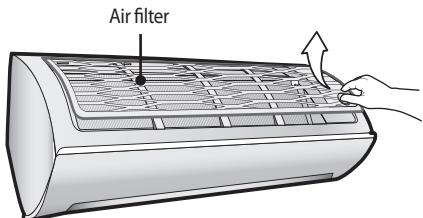


- Do not clean the display using alkaline detergent.
- Do not use sulfuric acid, hydrochloric acid, organic solvents (such as thinner, kerosene and acetone etc.) to clean the surface of the product or put any stickers on it. They may damage the surface of the air conditioner.

# Cleaning the air conditioner

## Removing the Air filter

There is a hole on the bottom right side of the filter. Put your finger in that hole to get a grip on the filter and slightly push it up to release the hooks from the bottom side. Then, pull it down to remove the filter from the main body.

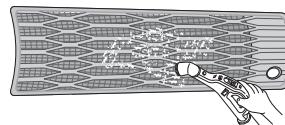


## Cleaning the air filter

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

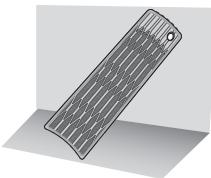
Remove the Air filter from the main body.

Clean the Air filter with a vacuum cleaner or soft brush. If dust is too heavy, rinse it with running water.



Insert the Air filter back in its original position.

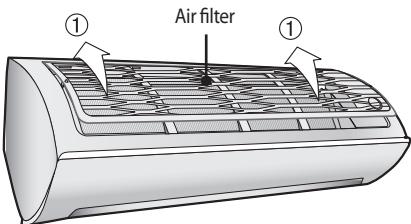
Dry the Air filter in a ventilated area.



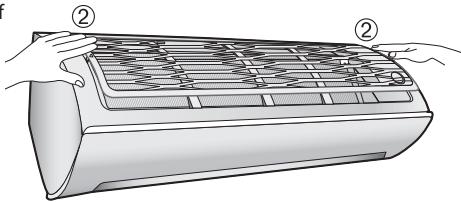
- Clean the Air filter every 2 weeks. Cleaning term may differ depending on the usage and environmental conditions. In dusty area, clean it once a week.
- If the Air filter dries in a confined (or humid) area, odors may generate. If it occurs, re-clean and dry it in a well-ventilated area.
- When the filter clean reminder is on, please press the 2<sup>nd</sup> F button and then press the Single User button on remote controller.

## Reassembling the Air filter

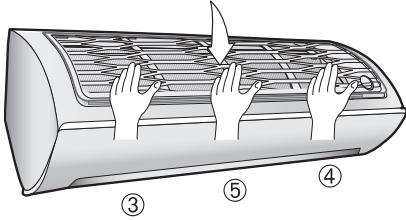
1. Put the filter on the main body and insert the hooks which are in the top of the Air filter into the main body. ①



2. There's one hook in both side of the filter, press the surface of the Air filter softly and get the hooks into the main body. ②



3. Press the bottom of the filter lightly to securely fix the main body. ③④⑤



# Maintaining the air conditioner

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

- 1. Dry the air conditioner thoroughly by operating in Fan mode for 3 to 4 hours and cut-off the power supply. 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 odors which may have generated from dampness.**

## Periodical checks

Refer to the following chart to maintain the air conditioner properly.

Type	Description	Every 2 weeks	Every 3 months	Every 4 months	Once a year
Indoor unit	Clean the air filter (1)	●			
	Clean the condensate drain pan (2)				●
	Thoroughly clean the heat exchanger (2)				●
	Clean the cross fan (2)			●	
	Clean the condensate drain pipe (2)			●	
	Replace the remote controller batteries (1)				●
Outdoor unit	Clean the heat exchanger on the outside of the unit (2)			●	
	Clean the heat exchanger on the inside of the unit (2)				●
	Clean the electric components with jets of air (2)				●
	Verify that all the electric components are firmly tightened (2)				●
	Clean the fan (2)				●
	Verify that all the fan assembly is firmly tightened (2)				●
	Clean the condensate drain pan (2)				●

● : This check mark requires checking the indoor/outdoor unit periodically.

Follow the description to maintain the air conditioner properly.

**CAUTION**

- (1) The described operations should be performed more frequently if the area of installation is very dusty.
- (2) These operations must always be performed by qualified personnel. For more detailed information, see the installation part in the manual.

# Troubleshooting

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

PROBLEM	SOLUTION
The air conditioner does not work at all.	<ul style="list-style-type: none"><li>Check power status and then operate the air conditioner again.</li><li>Plug in or switch on the circuit breaker and then operate the air conditioner again.</li><li>Ensure Isolator is switch on.</li><li>Check if you have set the Off Timer. Operate the air conditioner again by pressing the <b>Power</b> button.</li></ul>
The temperature adjustment is not working.	<ul style="list-style-type: none"><li>Check if you have selected Fan/Fast mode. In these modes, desired temperature is set to auto and you cannot adjust the temperature.</li></ul>
Cool/Warm air does not come out of the air conditioner.	<ul style="list-style-type: none"><li>Check if the set temperature is higher(during Cool mode)/ lower(during Heat mode) than the current temperature. Press the <b>Temp +</b> or <b>-</b> button on the remote controller to change the set temperature.</li><li>Check if the Air filter is blocked by dirt. If there is a lot of dust on the Air filter, cooling(heating) performance may decrease. Clean them frequently.</li><li>Check if the outdoor unit is covered or installed near the obstacle. Take the cover off and take the obstacle away.</li><li>Check if the air conditioner is operating in defrost mode. When the ice formed in winter or the outdoor temperature is too low, the air conditioner operates in defrost mode automatically. In defrost mode, indoor fan stops and warm air does not come out.</li><li>If the doors or windows are open, it may cause bad cooling (heating) performance. Close the doors and windows.</li><li>Check if the air conditioner has just been turned on after stopping cooling or heating operation. In this case, just a fan will run to protect the outdoor unit compressor.</li><li>Check if the pipe length is too long. When the pipe length exceeds maximum allowable pipe length, cooling (heating) performance may decrease.</li></ul>
Air flow adjustment is not working.	<ul style="list-style-type: none"><li>Check if you have selected <b>good'sleep</b> mode. In cool mode, you cannot adjust the air flow direction. (If the <b>good'sleep</b> mode is operating in Heat mode, you can adjust the air flow direction.)</li></ul>

## Troubleshooting

PROBLEM	SOLUTION
Fan speed adjustment is not working.	<ul style="list-style-type: none"><li>Check if you have selected Auto/Dry/good'sleep mode. In these mode, fan speed is set to Auto and you cannot adjust the fan speed.</li></ul>
Remote controller is not working.	<ul style="list-style-type: none"><li>Check if your batteries are depleted.</li><li>Make sure nothing is blocking your remote controller sensor.</li><li>Check that there are strong lighting apparatus near the air conditioner. Strong light which comes from fluorescent bulbs or neon signs may interrupt the electric waves.</li></ul>
Timer function does not set.	<ul style="list-style-type: none"><li>Check if you press the <b>Set/Cancel</b> button on the remote controller after you have set the time.</li></ul>
The indicator is blinking continuously.	<ul style="list-style-type: none"><li>Press the <b>Power</b>  button or disconnect the power plug/switch off the auxiliary power switch. If the indicator is still blinking, contact the service center.</li></ul>
Odors permeate in the room during operation.	<ul style="list-style-type: none"><li>Check if the appliance is running in a smoky area. Ventilate the room or operate the air conditioner in Fan mode for 1~2 hours. (We do not use smelly components in the air conditioner.)</li><li>Check the Drains have been cleared Regular Maintenance.</li></ul>
Error is indicated.	<ul style="list-style-type: none"><li>When an indoor unit indicator blinks, contact the nearest service center. Please ensure the error code is passed onto the service center when booking the service call.</li></ul>
Noise is generated.	<ul style="list-style-type: none"><li>Depending on the status of the air conditioner usage, noise can be heard when refrigerant flow movement changes. It is normal.</li></ul>
Smoke is generated from the outdoor unit.	<ul style="list-style-type: none"><li>If may not be a fire but it can be a steam generated by the defrost operation from outdoor heat exchanger during Heat mode in winter.</li></ul>
Water is dropping from the outdoor unit piping connection.	<ul style="list-style-type: none"><li>Water may be generated because of the temperature difference. It is normal.</li></ul>

To perform its antimicrobial function this product has been treated with the biocide substance Silver zinc zeolite.

# Appendix

## Model specification (Dimension and weight)

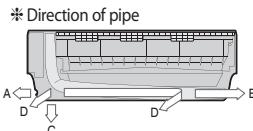
Dimension and weight			
Type	Model	Net dimension (WxDxH) (mm)	Net weight (kg)
Indoor unit	AM015JNVDKH	750*250*242	8.1
	AM022JNVDKH	750*250*242	8.1
	AM028JNVDKH	750*250*242	8.2
	AM036JNVDKH	826*275*260	9.8
	AM045JNVDKH	826*275*260	9.8
	AM056JNVDKH	1063*317*294	14.6
	AM071JNVDKH	1063*317*294	14.6
	AM082JNVDKH	1063*317*294	14.6
	AM015JNADKH	750*250*242	7.9
	AM022JNADKH	750*250*242	7.9
	AM028JNADKH	750*250*242	8.0
	AM036JNADKH	826*275*260	9.5
	AM045JNADKH	826*275*260	9.5
	AM056JNADKH	1063*317*294	14.3
	AM071JNADKH	1063*317*294	14.3
	AM082JNADKH	1063*317*294	14.3

# Fixing the installation plate

You can select the direction of the drain hose depending on where you want to install the indoor unit. Therefore before fixing the installation plate to a wall or a 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 (A)
- Left (B)
- Underside\_right (C)
- Rear\_right or left (D)



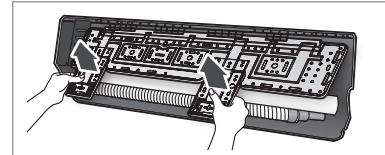
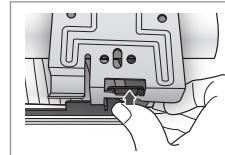
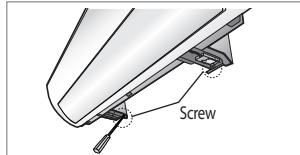
## 1. Disassemble the cover panel as described in installation manual.

### 2. Remove the Hanger plate from the indoor unit.

(1) Unscrew 2 screws that fixes the Hanger plate to the indoor unit.

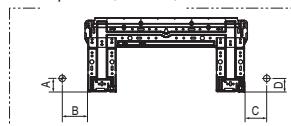
(2) Push the hooks (on the bottom part of the indoor unit) up to release the installation plate from the hooks that holds it.

(3) Pull the installation plate to release it completely from the indoor unit.

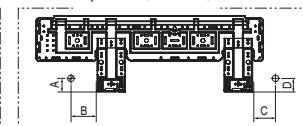


## 3. Determine the position of the pipe and drain hose hole as seen in the picture and drill the hole with an inner diameter of 65 mm so that it slants slightly downwards.

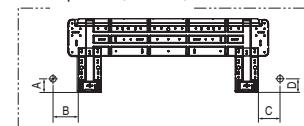
Pipe hole (Ø65 mm)



Pipe hole (Ø65 mm)



Pipe hole (Ø65 mm)



(Unit : mm)

Model	A	B	C	D
**015/022/028**	36	60	65	36
**036/045**	36	120	81	36
**056/071/082**	33	110	110	33



- Make sure to drill only one hole after choosing the direction of the pipe.

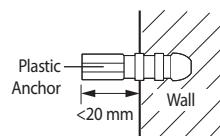
## 4. Fix the indoor unit.

### If you fix the indoor unit on a wall

(1) Fix the installation plate to the wall giving attention to the weight of the indoor unit.



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



### If you fix the indoor unit on a window frame

(1) Determine the positions of the wooden uprights to be attached to the window frame.

(2) Attach the wooden uprights to the window frame giving attention to the weight of the indoor unit.

(3) Attach the installation plate to the wooden upright using tapping screws.

### If you fix the indoor unit on a gypsum board

(1) Use stud finder to find out locations of the studs.

(2) Fix the plate hanger on two studs.



- Search for other spots if there are less than two studs, or the distance between the studs are different from the plate hanger.
- Fix the installation plate without inclining to one side.



- Make sure that a wall can withstand the weight of the product. If you install the product in a place where it is not strong enough to withstand the product weight, the unit could fall and cause injury.

## Assembling the hanger screw

Use 2 screws to fix the indoor unit with hanger plate as shown in the picture.



## Performing leak test & insulation

### Leak test

#### LEAK TEST WITH NITROGEN (before opening valves)

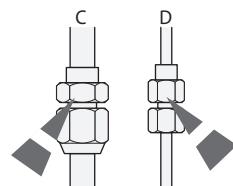
In order to detect basic refrigerant leaks, before recreating the vacuum and recirculating the R410A, it's responsible of installer to pressurize the whole system with nitrogen (using a pressure regulator) at a pressure above 4.1MPa (gauge).

#### LEAK TEST WITH R410A (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 R410A.



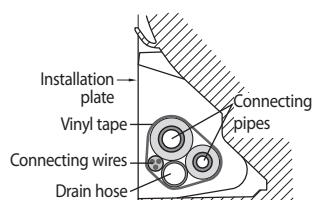
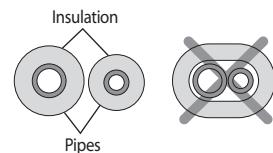
- Discharge all the nitrogen to create a vacuum and charge the system.



### Insulation

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

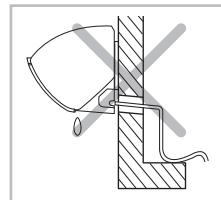
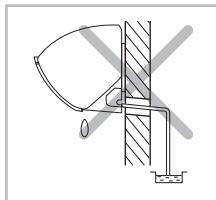
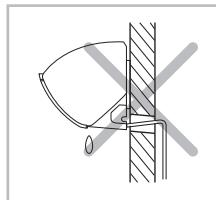
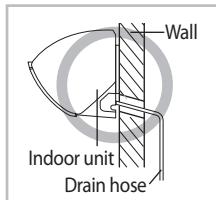
1. To avoid condensation problems, place heat-resistant polyethylene foam separately around each refrigerant pipe in the lower part of the indoor unit.
2. Wrap the refrigerant pipe and the drain hose in the rear of the indoor unit with the absorbent pad.
  - Wind the pipe and hose three times to the end of the indoor unit with the absorbent pad. (20 mm 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 and connecting the drain hose of the indoor unit

When installing the drain hose for the indoor unit, check if condensation draining is adequate.

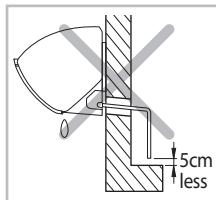
When passing the drain hose through the 65 mm hole drilled in the wall, check the followings:



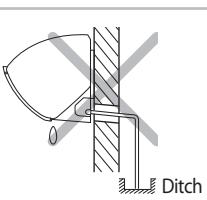
The drain hose must NOT slant upwards.

The end of the drain hose must NOT be placed under water.

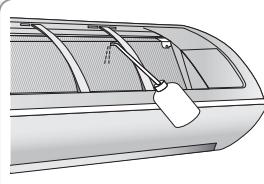
The drain hose must not be bent.



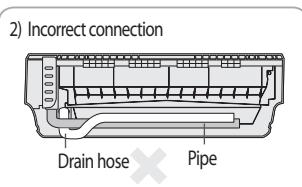
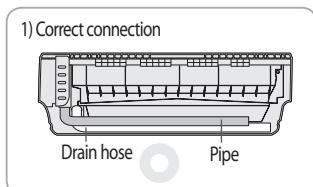
Keep a clearance of at least 5 cm between the end of the drain hose and the ground.



Do not place the end of the drain hose in a hollow.



After completing the installation of the drain hose, pour water into the drain pan to check whether the hose is well drained.



- Don't tie drain hose to the assembly pipe which may lead to water leakage.

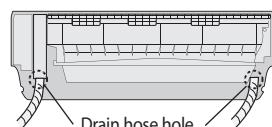
## Drain hose installation

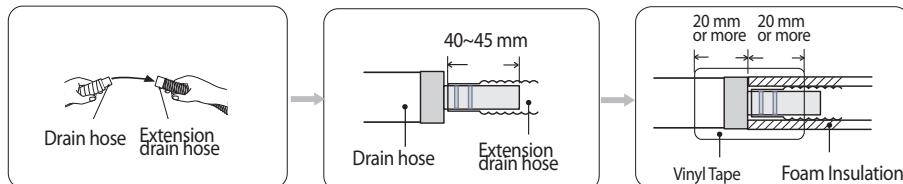
1. If necessary, connect the 2 meter extension drain hose to the drain hose.
2. If you use the extension drain hose, insulate the inside of the extension drain hose with a shield.
3. Fit the drain hose into 1 of 2 drain hose holes, then fix the end of the drain hose tightly with a clamp.



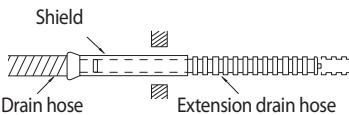
- If you do not use the other drain hose hole, block it with a rubber stopper.

4. When extending the Drain Hose, hold the end of Drain Hose and Extended Hose, rotate and insert the drain hose into Extended hose for 40-45 mm. Make sure the two hoses are firmly connected, there is no water leakage.
5. Connect the Drain Hose after using Foam Insulation to wrap the Extended Hose. Then, Use vinyl tape to wrap the each side of connection by 20 mm.





- Pass the drain hose under the refrigerant pipe, keeping the drain hose tight.
- Pass the drain hose through the hole in the wall. Check if it slants downwards as seen in the picture.
- Using natural drainage method, check the drainage is normal.



- The hose will be fixed permanently into position after finishing the installation and the gas leak test; refer to page 22 for further details.

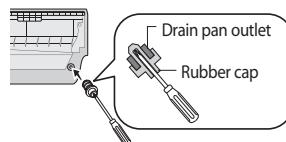
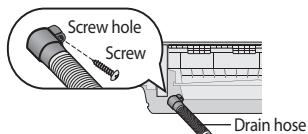


- Make sure the installed direction of the drain hose is correct. Inadequate installation may cause condensate water leakage.
- If the drain hose is routed inside the room, insulate the hose so that dripping condensation does not damage the furniture or floors.
- DO NOT WALL UP THE DRAIN HOSE CONNECTION ! Drain hose connection must be easy accessible and serviceable.

## Changing direction of the drain hose

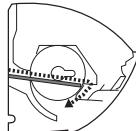
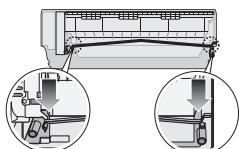
Change the direction only when it is necessary.

- Detach the rubber cap with the pliers.
- Detach the drain hose by pulling it and turning to the left.
- Insert the drain hose by fixing it with the screw into the groove of the drain hose and the outlet of the drain pan.
- Attach the rubber cap with a screwdriver by turning it to the right until it fixes to the end of the groove.
- Check for leakage on both side of the drain outlet.



Pour the water in direction of arrow.

\* Direction of the drained water

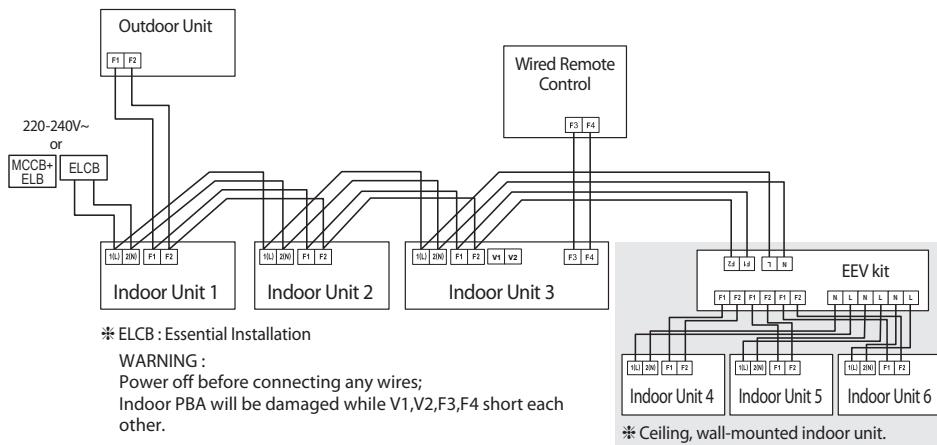


- Make sure the indoor unit is in upright position when you pour water to check for leakage. Make sure that the water does not overflow onto the electrical part.

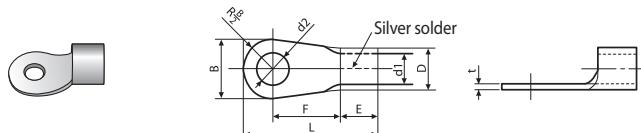
# Wiring work

## Power and communication cable connection

1. Before wiring work, you must turn off all power source.
2. Indoor unit power should be supplied through the breaker( ELCB or MCCB+ELB ) separated by the outdoor power.  
ELCB : Earth Leakage Circuit Breaker  
MCCB : Molded Case Circuit Breaker  
ELB : Earth Leakage Breaker
3. The power cable should be used only copper wires.
4. Connect the power cable{1(L), 2(N)} among the units within maximum length and communication cable(F1, F2) each.
5. Connect F3, F4(for communication) when installing the wired remote control.



## Selecting compressed ring terminal



Nominal dimensions for cable (mm <sup>2</sup> )	Nominal 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.	Standard dimension (mm)	Allowance (mm)	
1.5	4	6.6		3.4	+0.3 -0.2	1.7	+0.2	4.1	6	16	4.3	+0.2 0	0.7	0	0.7	0.7
	4	8	±0.2		-0.2		-0.2									
2.5	4	6.6		4.2	+0.3 -0.2	2.3	+0.2	6	6	17.5	4.3	+0.2 0	0.8	0	0.8	0.8
	4	8.5	±0.2		-0.2		-0.2									
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	0	0.9	0.9

## Specification of electronic wire

Power supply	MCCB	ELB or ELCB	Power cable	Earth cable	Communication cable
Max : 242V Min : 198V	X A	X A, 30mmA 0.1 s	2.5mm <sup>2</sup>	2.5mm <sup>2</sup>	0.75~1.5mm <sup>2</sup>

- ◆ 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 )

$$\text{The capacity of ELCB(or MCCB+ELB) } X [\text{A}] = 1.25 \times 1.1 \times \sum A_i$$

\* X : The capacity of ELCB(or MCCB+ELB).

\*  $\sum A_i$  : 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.

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

\* coef: 1.55

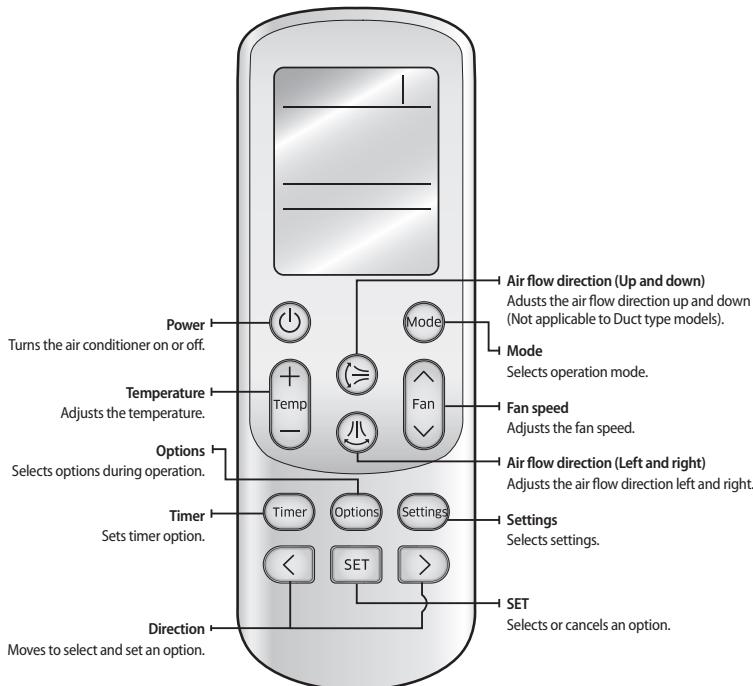
\* L<sub>k</sub>: Distance among each indoor unit[m], A<sub>k</sub>: Power cable specification[mm<sup>2</sup>]  
i<sub>k</sub>: Running current of each unit[A]

# Setting an indoor unit address and installation option

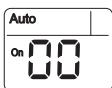
Set the indoor unit address and installation option with remote controller option.

Set the 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 indoor unit address and installation option.

## The procedure of option setting

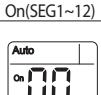
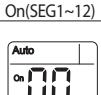
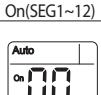


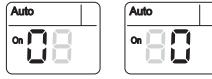
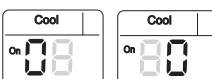
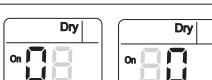
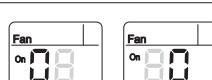
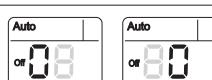
### Step 1. Entering mode to set option

1. Remove batteries from the remote controller.
2. Insert batteries and enter the option setting mode while pressing High Temp button and Low Temp button. 
3.  Check if you have entered the option setting status.

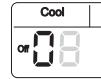
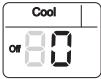
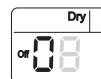
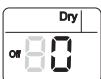
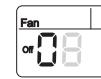
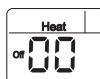
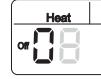
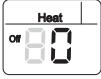
### Step 2. The procedure of option setting

After entering the option setting status, select the option as listed below.

 CAUTION	<ul style="list-style-type: none"><li>• Option setting is available from SEG1 to SEG 24</li><li>• SEG1, SEG7, SEG13, SEG19 are not set as page option.</li><li>• Set the SEG2~SEG6, SEG8~SEG12 as ON status and SEG14~18, SEG20~24 as OFF status.</li></ul>				
	<table border="1"><thead><tr><th>On(SEG1~12)</th><th>Off(SEG13~24)</th></tr></thead><tbody><tr><td></td><td></td></tr></tbody></table>	On(SEG1~12)	Off(SEG13~24)		
On(SEG1~12)	Off(SEG13~24)				
					

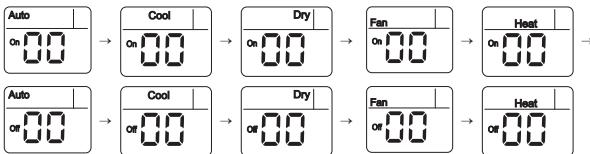
Option setting	Status
1. Setting SEG2, SEG3 option Press Low Fan button(▽) to enter SEG2 value. Press High Fan button(△) to enter SEG3 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG2      SEG3
2. Setting Cool mode  Press Mode button to be changed to Cool mode in the ON status.	
3. Setting SEG4, SEG5 option Press Low Fan button(▽) to enter SEG4 value. Press High Fan button(△) to enter SEG5 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG4      SEG5
4. Setting Dry mode  Press Mode button to be changed to DRY mode in the ON status.	
5. Setting SEG6, SEG8 option Press Low Fan button(▽) to enter SEG6 value. Press High Fan button(△) to enter SEG8 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG6      SEG8
6. Setting Fan mode  Press Mode button to be changed to FAN mode in the ON status.	
7. Setting SEG9, SEG10 option Press Low Fan button(▽) to enter SEG9 value. Press High Fan button(△) to enter SEG10 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG9      SEG10
8. Setting Heat mode  Press Mode button to be changed to HEAT mode in the ON status.	
9. Setting SEG11, SEG12 option Press Low Fan button(▽) to enter SEG11 value. Press High Fan button(△) to enter SEG12 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG11      SEG12
10. Setting Auto mode  Press Mode button to be changed to AUTO mode in the OFF status.	
11. Setting SEG14, SEG15 option Press Low Fan button(▽) to enter SEG14 value. Press High Fan button(△) to enter SEG15 value. Each time you press the button, <b>0→H→…E→F</b> will be selected in rotation.	 SEG14      SEG15

# Setting an indoor unit address and installation option

Option setting	Status
12. Setting Cool mode  Press Mode button to be change to Cool mode in the OFF status.	
13. Setting SEG16, SEG17 option Press Low Fan button(▽) to enter SEG16 value. Press High Fan button(△) to enter SEG17 value. Each time you press the button, 0 → △ → ▽ → E → F will be selected in rotation.	 SEG16  SEG17
14. Setting Dry mode  Press Mode button to be change to Dry mode in the OFF status.	
15. Setting SEG18, SEG20 option Press Low Fan button(▽) to enter SEG18 value. Press High Fan button(△) to enter SEG20 value. Each time you press the button, 0 → △ → ▽ → E → F will be selected in rotation.	 SEG18  SEG20
16. Setting Fan mode  Press Mode button to be change to Fan mode in the OFF status.	
17. Setting SEG21, SEG22 option Press Low Fan button(▽) to enter SEG21 value. Press High Fan button(△) to enter SEG22 value. Each time you press the button, 0 → △ → ▽ → E → F will be selected in rotation.	 SEG21  SEG22
18. Setting Heat mode  Press Mode button to be change to HEAT mode in the OFF status.	
19. Setting SEG23, SEG24 mode Press Low Fan button(▽) to enter SEG23 value. Press High Fan button(△) to enter SEG24 value. Each time you press the button, 0 → △ → ▽ → E → F will be selected in rotation.	 SEG23  SEG24

## Step 3. Check the option you have set

After setting option, press  button to check whether the option code you input is correct or not.



## Step 4. Input option

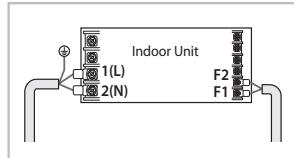
Press operation button  with the direction of remote control for set.

For the correct option setting, you must input the option twice.

## Step 5. Check operation

1. Reset the indoor unit by pressing the RESET button of indoor unit or outdoor unit.
2. Take the batteries out of the remote controller and insert them again and then press the operation button.

## Setting an indoor unit address (MAIN/RMC)



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

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

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6		
Explanation	PAGE		Mode		Setting Main address		100-digit of indoor unit address		10-digit of indoor unit		The unit digit of an indoor unit		
Remote Controller Display													
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	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							
Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12		
Explanation	PAGE		—		Setting RMC address		—		Group channel(*16)		Group address		
Remote Controller Display													
Indication and Details	Indication	Details	—		Indication	Details	—		Indication	Details	Indication	Details	
	1				0	No RMC address	RMC1	0~F	RMC2	0~F			
					1	RMC address setting mode							

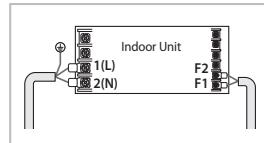


- When "A"~"F" is entered to SEG5~6, the indoor unit MAIN ADDRESS is not changed.
- If you set the SEG 3 as 0, the indoor unit will maintain the previous MAIN ADDRESS even if you input the option value of SEG5~6.
- If you set the SEG 9 as 0, the indoor unit will maintain previous RMC ADDRESS even if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

# Setting an indoor unit address and installation option

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

1. Check whether power is supplied or not.  
- When the indoor unit is not plugged in, there should be additional power supply in the indoor unit.
2. The panel(display) should be connected to an indoor unit to receive option.
3. Set the installation option according to the installation condition of an air conditioner.  
- The default setting of an indoor unit installation option is "020010-100000- 200000-300000".  
- Individual control of a remote controller(SEG20) is the function that controls an indoor unit individually when there is more than one indoor unit.
4. Set the indoor unit option by wireless remote controller.

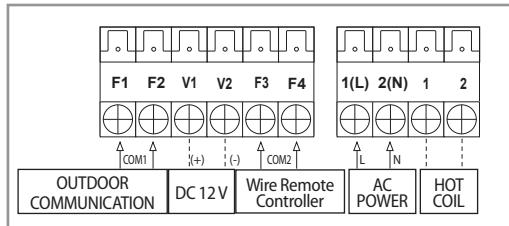


## ■ 02 series installation option

SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	2	--	External room temperature sensor / Minimizing fan operation when thermostat is off	Central control	FAN RPM compensation
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	Drain pump	Hot water heater	--	EEV Step when heating stops	--
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	External control	External control output / External heater On or Off signal	S-Plasma ion	Buzzer	Number of hours using filter
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	Individual control of a remote controller	Heating setting compensation / Removing condensated water in heating mode	EEV Step of stopped unit during oil return/ defrost mode	Motion detect sensor	--

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

◆ The output of hot water heater in SEG9 is generated from the hot coil part of the terminal board in duct models.



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

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

## ■ 02 series installation option(Detailed)

**Option No. : 02XXXX-1XXXXXX-2XXXXXX-3XXXXXX**

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		Use of robot cleaning		Use of external room temperature sensor / Minimizing fan operation when thermostat is off		Use of central control		FAN RPM compensation	
Remote Controller Display												
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		2		0	Disuse	0	Disuse	0	Disuse	0	Disuse
					1	Use	1	Use	1	Use	1	RPM compensation
					2	Disuse	2	Use ("")	1	Use	2	High ceiling KIT
					3	Use	3	Use ("")				
Option	SEG7		SEG8		SEG9		SEG10		SEG11		SEG12	
Explanation	PAGE		Use of drain pump		Use of hot water heater				EEV Step when heating stops			
Remote Controller Display												
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	1		0	Disuse	0	Disuse			0	Default value		
			1	Use	1	Use ("")						
			2	When an indoor unit stops, drain pump will operate for 3min	2	—						
			3		3	Use ("")			1	Noise decreasing setting		

# Setting an indoor unit address and installation option

Option	SEG13		SEG14		SEG15		SEG16		SEG17		SEG18	
Explanation	PAGE		Use of external control		Setting the output of external control / External heater On/Off signal		S-Plasma ion		Buzzer control		Hours of filter usage	
Remote Controller Display												
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
					Setting the output of external control	External heater On/Off signal						
		0	Disuse	0	Thermo on	-	0	Disuse	0	Use buzzer	2	1000 Hour
		1	ON/OFF control	1	Operation on	-			1	Disuse buzzer		
		2	OFF control	2	-	Use <sup>(*)</sup>	1	Use			6	2000 Hour
		3	Window ON/OFF control	3	-	Use <sup>(*)</sup>						
Option	SEG19		SEG20		SEG21		SEG22		SEG23		SEG24	
Explanation	PAGE		Individual control of a remote controller		Heating setting compensation / Removing condensed water in heating mode		EEV Step of stopped unit during oil return/ defrost mode		Motion detect sensor		-	
Remote Controller Display												
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details		
					Heating Setting Compensation	Removing Condensated Water in Heating Mode						
		0 or 1	channel 1	0	Default <sup>(*)</sup>	Disuse	0	Default value	0	Disuse		
		2	channel 2	1	2 °C	Disuse			1	Turn out in 30min. without motion		
		3	channel 3	2	5 °C	Disuse			2	Turn out in 60min. without motion		
				3	Default <sup>(*)</sup>	Use <sup>(*)</sup>			3	Turn out in 120min. without motion		
				4	2 °C	Use <sup>(*)</sup>			4	Turn out in 180min. without motion		
		4	channel 4	5	5 °C	Use <sup>(*)</sup>	1	Oil return or Noise decreasing in defrost mode	5	Turn out in 30min. without motion or *advanced function		
									6	Turn out in 60min. without motion or *advanced function		
									7	Turn out in 120min. without motion or *advanced function		
									8	Turn out in 180min. without motion or *advanced function		

\* Advanced function: Controlling cooling/heating current or power saving with motion detect.

(\*1) Minimizing fan operation when thermostat is off

-Fan operates for 20 seconds at an interval of 5 minutes in heat mode.

(\*2) 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.

(\*3) 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(kW) / 2"

("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	1	2	3	4	5	6	7	8	9	A	B
Stopped Unit's EEV step	Wall Mounted With EEV	80	0	90	100	110	120	130	160	200	250	300	400
	Other Indoor Units except for wall mounted with EEV	Default	0										No Function

(\*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) Default setting value

- 4Way Cassette, Mini 4Way Cassette: 5 °C

- Other indoor units: 2 °C

(\*6) 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 condensed 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.

## ■ 05 series installation option

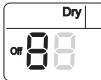
SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
0	5	Use of Auto Change Over for HR only in Auto mode	(When setting SEG3) Standard heating temp. Offset	(When setting SEG3) Standard cooling temp. Offset	(When setting SEG3) Standard for mode change Heating → Cooling
SEG7	SEG8	SEG9	SEG10	SEG11	SEG12
1	(When setting SEG3) 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	-	-
SEG13	SEG14	SEG15	SEG16	SEG17	SEG18
2	-	-	-	-	Control variables when using hot water / external heater
SEG19	SEG20	SEG21	SEG22	SEG23	SEG24
3	-	-	-	-	-

# Setting an indoor unit address and installation option

## ■ 05 series installation option(Detailed)

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

Option	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6		
Explanation	PAGE		MODE		Use of Auto Change Over for HR only in Auto mode		(When setting SEG3) Standard heating temp. Offset		(When setting SEG3) Standard cooling temp. Offset		(When setting SEG3) Standard for mode change Heating → Cooling		
Remote Controller Display													
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	
	0	5	1	Follow product option	0	0°C	0	0°C	0	1°C			
				Use Auto Change Over for HR only	1	0.5°C	1	0.5°C	1	1.5°C			
					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			
					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 changing Cooling → Heating mode		(When setting SEG3) Time required for mode change		Compensation option for Long pipe or height difference between indoor units						
Remote Controller Display													
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details					
	1	0	1°C	0	5 min.	0	Use default value						
		1	1.5°C	1	7 min.	1	1) Height difference <sup>1)</sup> is more than 30m or 2) Distance <sup>2)</sup> is longer than 110m						
		2	2°C	2	9 min.								
		3	2.5°C	3	11 min.								
		4	3°C	4	13 min.	2	1) Height difference <sup>1)</sup> is 15~30m or 2) Distance <sup>2)</sup> is 50~110m						
		5	3.5°C	5	15 min.								
		6	4°C	6	20 min.								
		7	4.5°C	7	30 min.								

Option	SEG13	SEG14	SEG15	SEG16	SEG17	SEG18 <sup>(*)</sup>		
Explanation						Control variables when using hot water / external heater		
Remote Controller Display								
Indication and Details						Indication	Details	
							Set temp. for heater On/Off	Delay time for heater On
2						0	At the same time as thermo on	No delay
						1	At the same time as thermo on	10 minutes
						2	At the same time as thermo on	20 minutes
						3	1.5 °C	No delay
						4	1.5 °C	10 minutes
						5	1.5 °C	20 minutes
						6	3.0 °C	No delay
						7	3.0 °C	10 minutes
						8	3.0 °C	20 minutes
						9	4.5 °C	No delay
						A	4.5 °C	10 minutes
						B	4.5 °C	20 minutes
						C	6.0 °C	No delay
						D	6.0 °C	10 minutes
						E	6.0 °C	20 minutes

(\*) 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".

(\*) Distance : 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)

(\*) 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.  $\leq$  set temp. + f(heating compensation temp.)

- External heater is turned on when the temperature is maintained as 4.5 °C for 10 minutes.

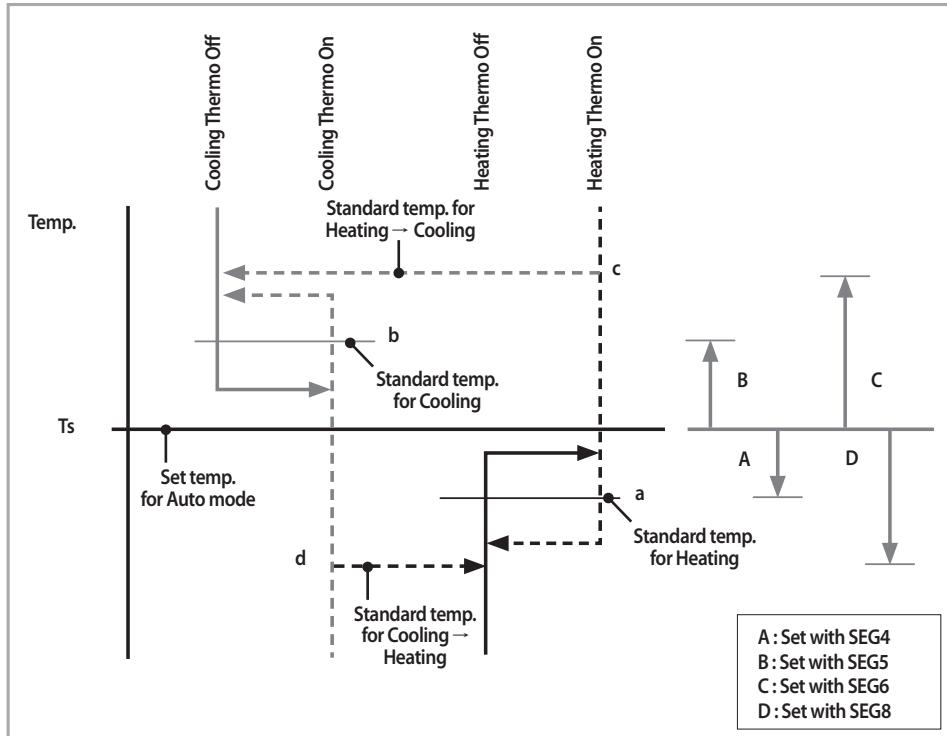
Room temp.  $>$  set temp. + f(heating compensation temp.)

- 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.)

# Setting an indoor unit address and installation option

## 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	SEG1		SEG2		SEG3		SEG4		SEG5		SEG6	
Explanation	PAGE		MODE		The option mode you want to change		The tens' digit of an option SEG you will change		The unit digit of an option SEG you will change		Changed value	
Remote Controller Display												
Indication and Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details	Indication	Details
	0		D		Option mode	1~6	Tens' digit of SEG	0~9	Unit digit of SEG	0~9	The changed value	0~F



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

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

Option	SEG1	SEG2	SEG3	SEG4	SEG5	SEG6
Explanation	PAGE	MODE	The option mode you want to change	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 controller, outdoor unit will operate in the mode which was set in the master indoor unit.

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