ENGLISH
ESPAÑOL

OWNER'S MANUAL

AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

MODELS

Indoor Unit	Outdoor Unit
VR122HG NS30	VR122HG US30

P/NO : MFL67647008

www.lg.com

TIPS FOR SAVING ENERGY

Here are some tips that will help you to minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool the indoor excessively. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

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.

WARNING: Before accessing the terminals, all power circuits must be disconnected.

WARNING: Fixed installations will incorporate disconnect means in accordance with installation rules.

WARNING: This device will not be accessible to public.

WARNING: The appliance must be installed in accordance with national regulations for electrical installations.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product.

⚠ WARNING

It can result in serious injury or death when the directions are ignored.

⚠ CAUTION

It can result in minor injury or product damage when the directions are ignored.

⚠ WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Appliance shall be installed in accordance with national wiring regulations.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.
- When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using genuine replacement parts only.

Installation

- Use a standard circuit breaker and fuse conforming with the rating of the air conditioner. Failure to do so may result in electric shock or product failure.
- Contact an authorized service center when you install or relocate the air conditioner. Failure to do so may result in serious injury or product failure.
- Always use a power plug and socket with a ground terminal.Failure to do so may result in electric shock or product failure.
- Install the panel and the cover of the control box safely. Failure to do so may result in explosion or fire.
- Install a dedicated electric outlet and circuit breaker before you use the air conditioner. Failure to do so may result in electric shock or product failure.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced. It may result in fire or electric shock.
- Be cautious when you unpack or install the air conditioner. Failure to do so may result in serious injury or product failure.
- Do not install the air conditioner on an unstable surface or place where there may be a danger of falling. It may result in death, serious injury, or product failure.
- Use inflammable gas (nitrogen) to inspect leak and to purge air, using compressed air or flammable gas may cause fire or explosion.
- Select installation locations that can properly support the weight of the indoor. Failure to do so may cause property damage, product failure, and personal injury.
- Improper wiring or installation may cause fire or electric shock.
- Exposure of unit to water or moisture before installation could result in electrical shock. Do not store in it a wet basement or expose to rain or water.
- When installing the unit, use the installation kit provided with the product. Otherwise the unit may fall and cause severe injury.
- Do not install the outdoor unit in a place which can be a nest for small animals. Small animals could enter and contact internal electrical parts, causing a failure or fire.

Operation

- Do not let the air conditioner run for a long time when the humidity is very high or when a door or window has been left open. Failure to do so may result in product failure.
- Make sure that the power cord is not pulled or damaged while the air conditioner is operating. Failure to do so may result in fire, electric shock, or product failure.
- Do not place any objects on the power cord. It may result in electric shock or product failure.
- Do not turn on or off the air conditioner by plugging in or unplugging the power plug. It may result in fire or electric shock.
- Do not touch, operate or repair the air conditioner with wet hands. It may result in electric shock or product failure.
- Do not place a heater or other heating appliances near the power cable. It may result in fire, electric shock, or product failure.
- Do not allow water to run into the air conditioner. It may result in explosion or fire.
- Do not leave flammable substances such as gasoline, benzene and thinner near the air conditioner. It may result in explosion or fire.
- Do not use the air conditioner for an extended period of time in a small place without ventilation. Ventilate the place regularly. Failure to do so may result in explosion or fire.
- When there is a gas leak, ventilate sufficiently before using the air conditioner again. Failure to do so may result in explosion or fire.
- Unplug the power plug if there is a noise, smell or smoke coming from the air conditioner. Failure to do so may result in explosion or fire.
- Stop operating and close the window in strom or hurricane.If possible remove the product from the window before hurricane arrives
- Contact an authorized service center when the air conditioner is submerged into water due to flooding. Failure to do so may result in explosion or fire.
- Be cautious water could not enter the product
- Make sure to ventilate sufficiently when this air conditioner and a heating appliance such as a heater are used simultaneously. Failure to do so may result in fire, serious injury, or product failure.
- Turn the main power off and unplug the power plug when you clean or repair the air conditioner. Failure to do so may result in death, serious injury, or product failure.
- Unplug the power plug when the air conditioner is not used for an extended period of time. Failure to do so may result in product failure.
- Do not place any objects on the air conditioner. It may result in product failure.
- For inner cleaning, contact an Authorized Service Center or a dealer.
  Do not use harsh detergent that causes corrosion or damage on the unit.
  Harsh detergent may also cause failure of product, fire, or electric shock.
- 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 electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. There is risk of fire or electric shock.
- Do not hang laundry or other objects from the unit. The unit could fall and cause property damage, product failure, and personal injury.
- Safely dispose of the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags. Children may play with them and cause injury.

⚠ CAUTION

Installation

- Make sure to check if there is a refrigerant leak after you install or repair the air conditioner. Failure to do so may result in product failure.
- Install the drain hose properly for smooth drainage of condensed water. Failure to do so may result in product failure.
- Keep level even when installing the product.
- Install the air conditioner where the noise from the outdoor unit or the exhaust gas will not be inconvenient to the neighbors. Failure to do so may result in conflict between neighbors.
- When transporting the equipment, there should be at least 2 or more people, or a forklift. It may result in serious injury.
- Do not install the air conditioner where it will be exposed to sea wind (salt spray) directly. It may result in product failure.

Operation

- Do not expose people, animals or plants to the cold or hot wind from the air conditioner. It may result in serious injury.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. It may result in death, fire or electric shock.
- Do not block the inlet or outlet of air flow. It may result in explosion or product failure.
- Do not use strong cleaning agents or solvents when you clean the air conditioner, or spray water. Use a smooth cloth. It may result in serious injury or product failure.
- Never touch the metal parts of the air conditioner when you remove the air filter. It may result in serious injury or product failure.
- Always insert the filter securely after cleaning. Clean the filter every two weeks or more often if necessary.
- Do not insert hands or other objects through the air inlet or outlet while the air conditioner is operating. It may result in electric shock.
- Do not drink the water drained from the air conditioner. It may result in serious health complications.
- Use a sturdy stool or ladder when you clean, maintain or repair the air conditioner at a height. Failure to do so may result in serious injury or product failure.
- Do not mix the batteries for the remote control with other types of batteries or mix new batteries with used batteries. Failure to do so may result in product failure.
- Do not recharge or disassemble the batteries. Failure to do so may result in explosion, fire or serious injury.
- Stop using the remote control if there is a battery fluid leak. If your cloth or skin is exposed to the battery fluid from a leak, wash it off with clean water. Failure to do so may result in serious injury.
- If you swallow the battery fluid from a leak, wash out the inside of your mouth thoroughly and then consult a doctor. Failure to do so may result in serious health complications.
- Do not step on the indoor/outdoor unit and do not put anything on it. It may cause an injury through dropping of the unit or falling down.
- Do not tilt the unit when removing or uninstalling it. The condensed water inside can spill.
- Be careful that liquids do not spill onto the remote controller. Otherwise, it may cause failure of remote controller.
- Do not expose the remote controller to direct sunlight or heat. Air conditioner may not function properly.

Operation ranges

The table below indicates the temperature ranges the air conditioner can be operated within.

Mode	Indoor temperature	outdoor temperature
Cooling	18°C~32°C	-10°C~48°C
Heating	16°C~30°C	-15°C~24°C

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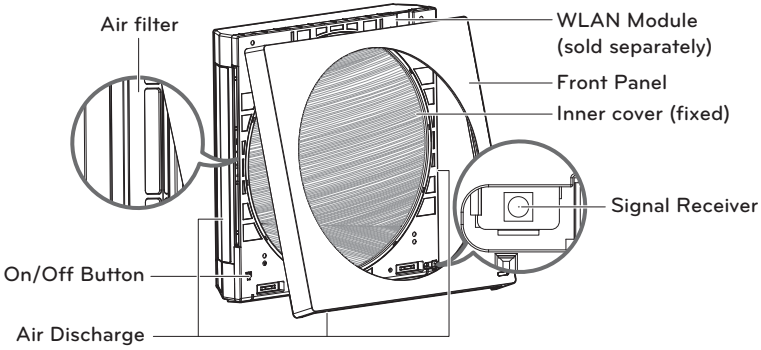
BEFORE USE

Components

Indoor unit

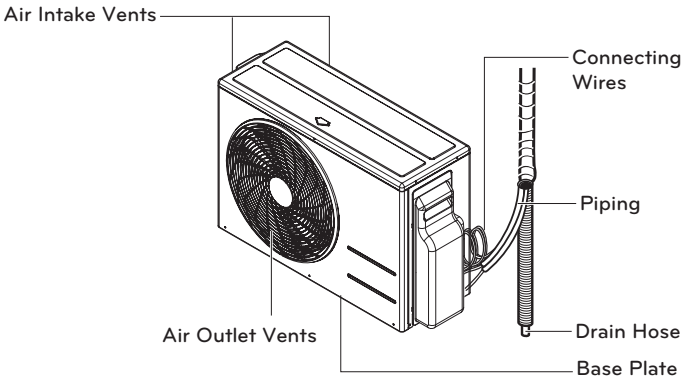


* The feature can be changed according to type of model.

NOTE

- The number of operation lamps and their locations may vary, depending on the model of the air conditioner.
- The WLAN Module, an optional accessory (sold separately), is required to enable WLAN connectivity.

Outdoor unit

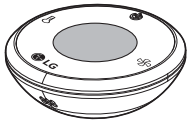
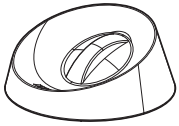
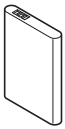


* The feature can be changed according to type of model.

Using the remote control

You can operate the air conditioner more conveniently with the remote control.

Components

Remote Control	
Cradle	
Battery	
Charger	

Touch screen tips

Tap	A single finger tap selects an item. A display screen is changed when a finger is released.
Touch and hold (longer than 2 sec)	Touch and hold an item on the screen by touching it and not lifting your finger until an action occurs.

NOTE

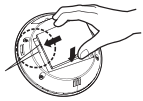
- When selecting an item, tap the center of icon or display screen.
- Use the tip of your finger to tap the item you want. Be careful not to tap any other icons.

Inserting battery

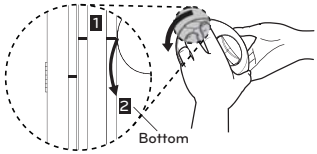
Insert battery before using the remote control.

1 Open the bottom of remote control with turning it clockwise.

2 Insert the battery. (Match the metal terminals between remote control and battery.)

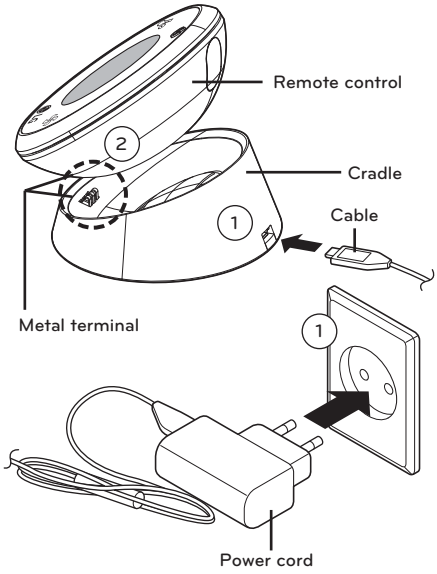
Metal terminal 

3 Aligning the lines with each other, close the bottom of the remote control with turning it counterclockwise.



Charging battery

1 Plug the power cord into the wall socket and the cable into the cradle.
2 Put the remote control on the cradle. (Match the metal terminals between remote control and cradle.)

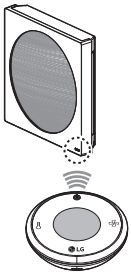


NOTE

- The battery must be fully charged initially to improve battery lifetime.
- When the battery is short, display screen shows a description of charging the battery. (Cannot control any buttons or icons) Charge the battery.
- Display screen shows time if it is turned on while charging.
- The brightness of display screen becomes dark while charging.
- When the remote control is not used for a long time, charge the battery with remote control turned off to improve battery lifetime.

Operating method

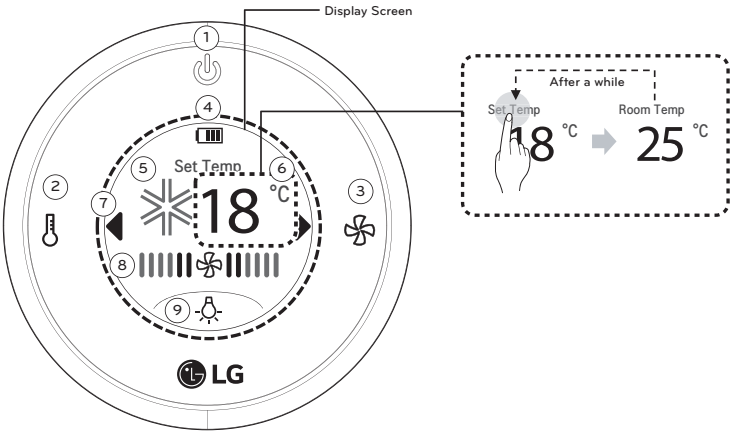
Point the remote control towards the signal receiver at the bottom of the air conditioner to operate it.



NOTE

- The remote control may operate other electronic devices if pointed towards them. Make sure to point the remote control towards the signal receiver of the air conditioner.
- For proper operation, use a soft cloth to clean the signal transmitter and receiver.
- If you cover the transmitter of remote control, it may result in improper operation.

Guide for display



NOTE

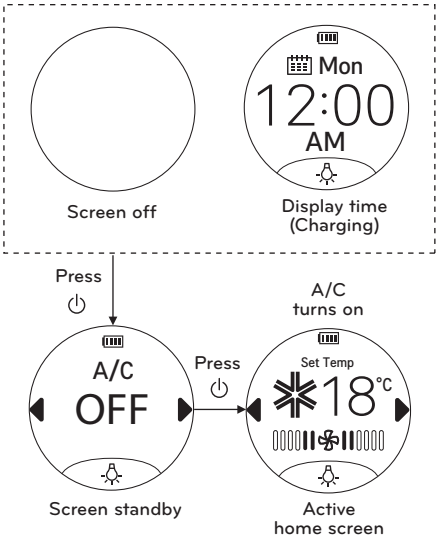
- ⏻, 🌡, and 🌀 are button type and icons on display screen are touch type.
- Display screen turns off if untouched for a period of time.

①	⏻	**On/Off button** : Turns A/C or display screen on/off.
②	🌡	**Temperature adjustment button** : Adjusts the room temperature when ACO, cooling and heating.
③	🌀	**Indoor fan speed button**: Adjusts the fan speed.
④	🔋	**Battery status display** : Displays the amount of battery left.
⑤	❄ AI 💧 ☀ 🌀	**Operation mode display** : Displays the selected operation mode. Cooling operation (❄) / Auto operation or auto changeover (AI) / Dehumidifying operation (💧) / Heating operation (☀) / Air circulation (🌀).
⑥	Set Temp 18 ℃	**Set temperature display** : Displays the room temperature if tapping the "Set Temp", and turns to the set temperature after a while.
⑦	◀ ▶ ⌂	**Icon for moving a menu** : Taps ◀, ▶, or ⌂ to move a menu to left or right.
⑧	🌀	**Fan speed display** : If additional functions are set, fan speed and additional function(s) are displayed alternately.
⑨	💡	Icon for turning on/off the lighting of indoor unit.

Basic Control

1 **Turning on A/C**

- When screen is off or time is displayed on screen; If pressing ⏻, screen is standby.
- Then if pressing ⏻ on a screen standby, A/C turns on.



NOTE

- You can adjust only ◀ , ▶, and ☼ on a screen standby.

2 **Returning to home screen automatically**

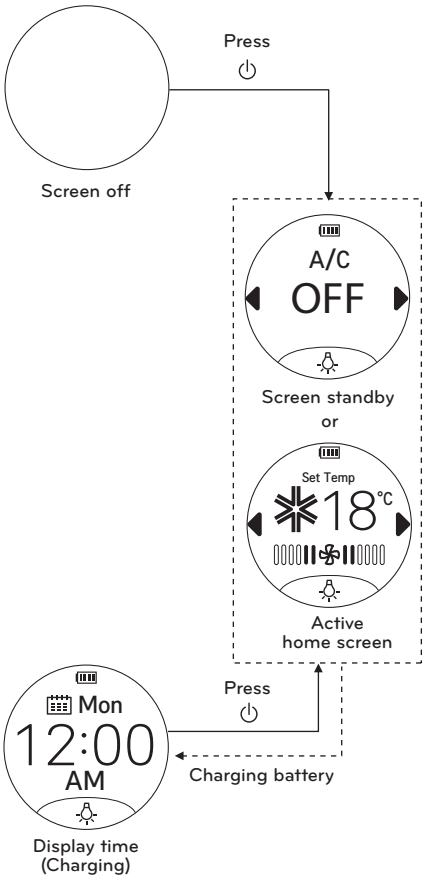
- It returns back to home screen automatically if any menu is untouched for a period of time.
- It takes more time (about 25 seconds) on Relaxing and Romantic menu to return to home screen if untouched.

3 **Returning to upper menu and home screen**

- Tap ⮌ to return to upper menu.
- Touch and hold ⮌ to return to home screen.
- Tap page indicator (●●●●●)to return to home screen.

4 **Waking up display screen**

If press ⏻ when screen is off or displays time, screen wakes up.



Adjusting the brightness of display screen

1 Tap a menu as follows.

- Screen standby : ▶ → Settings ⚙ → ▶ → Screen Brightness ☼.
- Active home screen : ▶ → More ∞ → ▶ → Settings ⚙ → ▶ → Screen Brightness ☼.

2 Tap Min or Max to select the desired brightness.

- The brightness of display screen changes.

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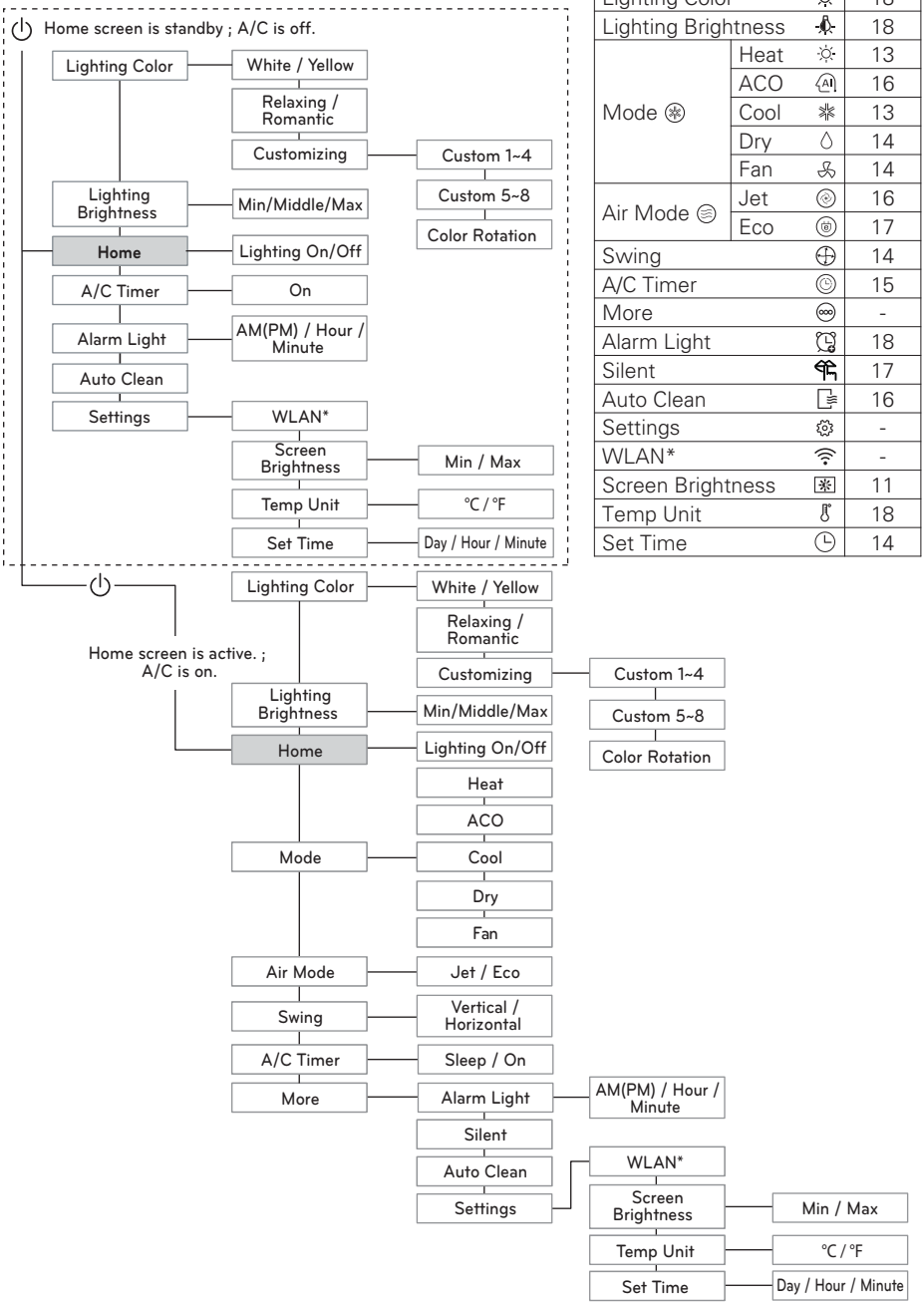
Menu tree



Menu		Page
Lighting Color		18
Lighting Brightness		18
Mode	Heat	13
	ACO	16
	Cool	13
	Dry	14
	Fan	14
Air Mode	Jet	16
	Eco	17
Swing		14
A/C Timer		15
More		-
Alarm Light		18
Silent		17
Auto Clean		16
Settings		-
WLAN*		-
Screen Brightness		11
Temp Unit		18
Set Time		14

* Some functions may not be supported, depending on the model. (WLAN is optional function.)

BASIC FUNCTIONS

Feedback lighting

- When adjusting ON/OFF, temperature, mode, and fan speed, offer a feedback lighting. If you change the brightness of indoor lighting, the brightness of feedback lighting also changes. Even with the indoor lighting off, feedback lighting does not turn off.

* This function may not be supported, depending on the model.

Adjusting the temperature

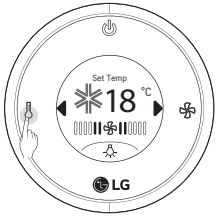
1 Press on an active home screen.
2 Tap ⊖ or ⊕ to adjust the desired temperature.
3 Tap the display screen or ⮌.
- Return to the home screen.

❋ It is possible to adjust this function on an active home screen.

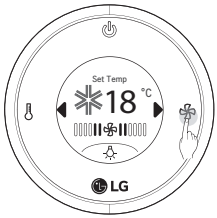
Adjusting the fan speed

1 Press on an active home screen.
2 Tap ◀ or ▶ to adjust the desired fan speed.
3 Tap the display screen or ⮌.
- Return to the home screen.

❋ It is possible to adjust this function on an active home screen.



Press to adjust the desired temperature.



Press to adjust the desired fan speed.

Cooling your room
(Cooling operation)

1 Tap a menu on an active home screen as follows.
- ▶ → Mode → ◀ / ▶ → Cool ❋.
2 Tap the display screen or ⮌.
- Return to the upper menu.
3 Press to adjust the desired temperature.
→ Refer to “Adjusting the temperature”
- The temperature range is 18°C (64°F) ~ 30°C (86°F).

Heating your room
(Heating operation)

1 Tap a menu on an active home screen as follows.
- ▶ → Mode → ◀ / ▶ → Heat ☼.
2 Tap the display screen or ⮌.
- Return to the upper menu.
3 Press to adjust the desired temperature.
→ Refer to “Adjusting the temperature”
- The temperature range is 16°C (60°F) ~ 30°C (86°F).

NOTE

Cooling-only models do not support this function.

Removing humidity
(Dehumidifying operation)

This mode removes excess moisture from an environment with high humidity or in the rainy season, in order to prevent mold from setting in. This mode adjusts the room temperature and the fan speed automatically to maintain the optimal level of humidity.

1 Tap a menu on an active home screen as follows.
- ▶ → Mode → ◀ / ▶ → Dry .

2 Tap the display screen or .
- Return to the upper menu.

NOTE

- In this mode you cannot adjust the room temperature, as it is adjusted automatically.

Airing your room
(Air Circulation operation)

This mode only circulates the indoor air without changing the room temperature.

1 Tap a menu on an active home screen as follows.
- ▶ → Mode → ◀ / ▶ → Fan .

2 Tap the display screen or .
- Return to the upper menu.

3 Press to adjust the desired fan speed.
→ Refer to "Adjusting the fan speed"

NOTE

- In this mode you cannot adjust the room temperature, as it is adjusted automatically.

Adjusting the air flow direction

1 Tap a menu on an active home screen as follows.
- ▶ → Swing

2 Tap or to adjust the direction of the air flow horizontally or vertically. (Both selectable)
- Whenever you tap , the icon changes (3 steps). (No swing Swing (selected), Vent close)

3 , , or is displayed on a home screen.
- is not displayed on a home screen.

NOTE

- Adjusting the air deflector arbitrarily may cause product failure.
- If you restart the air conditioner, it starts to operate with the previously set direction of air flow, so the air deflector may not match the icon displayed on the remote control. When this occurs, tap or to adjust the direction of the air flow again.
- You can not adjust in Jet mode (Cooling, Heating).
- You can not adjust and in Sleep timer.
- Vent close function stops automatically when operation mode is changed.

Setting the timer

You can use the timer function to save energy and to use the air conditioner more efficiently.

Setting the current time

1 Tap a menu as follows.
- Screen standby : ▶ → Settings → ▶ → Set Time .
- Active home screen : ▶ → More → ▶ → Settings → ▶ → Set Time .

2 Tap the display screen.

3 Tap Day .

4 Tap ◀ / ▶ or / repeatedly.

5 Tap the display screen or ⮌.
6 Set Hour and Minute in the same way as described in 3-5.
7 Tap AM or PM.
8 Display set time if tapping ⮌.

Turning on the air conditioner automatically at a set time

1 Tap a menu as follows.
- ▶ → A/C Timer ⏲.
2 Tap On ⏲.
3 Tap ⊖ or ⊕ repeatedly to select hour (up to 24hrs).
4 Tap the display screen or ⮌.
5 It displays a description of the selected function.
6 ⏲ is displayed on a home screen.

NOTE

- Sunrise lighting is automatically set when setting **On** timer.
- With **On** or **Sleep** timer, it counts the set time as time passes for a menu **On** or **Sleep** of **A/C Timer**.

Setting sleep mode

Use the sleep mode to turn off the air conditioner automatically when you go to sleep.

1 Tap a menu on an active home screen as follows.
- ▶ → A/C Timer ⏲.
2 Tap Sleep ⏲.
3 Tap ⊖ or ⊕ repeatedly to select hour (up to 7hrs).
4 Tap the display screen or ⮌.
5 It displays a description of the selected function.
6 ⏲ is displayed on a home screen.

NOTE

- In the Cooling and Dehumidifying modes, the temperature increases by 1°C after 30 minutes and by a further 1°C after another 30 minutes for a more comfortable sleep.
- The temperature increases with up to 2°C from the preset temperature.
- Fan speed can't be changed in case of sleep mode. Super low fan speed is set up at cooling and low fan speed is set up at heating.
- Possible to display different fan speed between remote controller and air conditioner during operation.
- When starting sleep timer, the brightness of indoor lighting becomes dark.

Canceling the timer setting

1 Tap a menu as follows.
- ▶ → A/C Timer ⏲.
2 Tap Clear all.

NOTE

- You can delete **Sleep** timer and **On** timer individually.
  Tap A/C Timer ⏲ → Sleep ⏲ or On ⏲ → Clear → Yes

ADVANCED FUNCTIONS

The air conditioner offers some additional advanced functions.

Changing room temperature quickly
(Jet Cool/Heat operation)

This mode allows you to cool indoor air quickly in summer or warm it quickly in winter.

1 Tap a menu on an active home screen as follows.
- ▶ → Air Mode .

2 Tap Jet .

3 It displays a description of the selected function.

4 is displayed on a home screen.
- In jet cooling mode, strong air blows out at a temperature of 18°C (64°F) for 30 minutes.
- In jet heating mode, strong air blows out at a temperature of 30°C (86°F) for 30 minutes.

NOTE

- In Air Circulation, Auto, or Auto Changeover mode, this function cannot be used.
- This function may not be supported, depending on the model.

Auto indoor cleaning
Auto Clean operation

In the cooling and dehumidifying operations, moisture is generated inside the indoor unit. Use the auto cleaning function to remove such moisture.

1 Tap a menu as follows.
- Screen standby : ▶ → Auto Clean .
- Active home screen : ▶ → More → ▶ → Auto Clean .

2 It displays a description of the selected function.

3 is displayed on a home screen.
- If you turn off the power, the fan operates for 30 minutes and cleans the inside of the indoor unit.

NOTE

Some buttons cannot be used while the auto cleaning function is in operation.

Auto Changeover operation

Heat pump models

This mode changes the operation mode automatically to maintain the set temperature at ±2°C.

1 Tap a menu on an active home screen as follows.
- ▶ → Mode → ◀ / ▶ → ACO .

2 Tap the display screen or .
- Return to the upper menu.

3 Press to adjust the desired temperature.
→ Refer to "Adjusting the temperature"
- The temperature range is 18°C (64°F) ~ 30°C (86°F).

4 Press to adjust the desired fan speed.
→ Refer to "Adjusting the fan speed"

* This function may not be supported, depending on the model.

Energy saving cooling mode

This mode minimizes power consumption during cooling and increases the set temperature to the optimal level for a more comfortable environment.

The temperature automatically sets at 22°C(72°F) if ambient temperature is below 22°C(72°F). The temperature maintains if ambient temperature is above 22°C(72°F).

1 Tap a menu on an active home screen as follows.
- ▶ → Air Mode .

2 Tap Eco .

3 It displays a description of the selected function.

4 is displayed on a home screen.

* This function may not be supported, depending on the model.

NOTE

- Possible to display different temperature between remote controller and air conditioner during operation.

Silent mode (Outdoor Unit)

It is to prevent potential claims by neighbors, reducing noise from outdoor units.
The outdoor unit sound pressure in ACO, cooling and heating mode is decreased by 3dB compared to the rated sound pressure

1 Tap a menu on an active home screen as follows.
- ▶ → More → ▶ → Silent .

2 It displays a description of the selected function.

3 is displayed on a home screen.

NOTE

- Setting available only under operation - ON.
  Silent Mode and Energy Saving Mode are not available at the same time.
  If Energy Saving Mode is pressed under Silent Mode, Silent Mode is released and Energy Saving works.
- Capacity may decrease when outdoor unit silent mode is selected.
- In Air Circulation, Humidity mode, this function cannot be used.
- At a certain temperature, Silent Mode would not work to protect the system.

°C/°F Conversion

The unit converses from °C to °F or from °F to °C.

1 Tap a menu as follows.
- Screen standby : ▶ → Settings ⚙ → ▶ → Temp Unit 🌡.
- Active home screen : ▶ → More ∞ → ▶ → Settings ⚙ → ▶ → Temp Unit 🌡.

2 Tap °C or °F to select the desired unit.

Adjusting color of indoor lighting

1 Tap a menu as follows.
- ◀ → Lighting Color .

2 Tap ◀ or ▶.

3 Tap the desired color. (Refer to Menu Tree)
- Color of indoor lighting changes.

Adjusting brightness of indoor lighting

1 Tap a menu as follows.
- ◀ → Lighting Brightness .

2 Tap Min, or Max to select the desired brightness.
- Brightness of indoor lighting changes.

Alarm light

When reached a certain set time, sunrise lighting turns on for a period of time.
Set the current time to set the alarm light.

1 Tap a menu as follows.
- Screen standby : ▶ → Alarm Light .
- Active home screen : ▶ → More ∞ → ▶ → Alarm Light .

2 Tap AM or PM.

3 Tap Hour.

4 Tap ⊖ or ⊕ to select hour (up to 12hrs).

5 Tap the display screen.

6 Set Minute in the same way as described in 3-5.

7 Tap Activate.

8 It displays a description of the selected function.

9 is displayed on a home screen.

NOTE

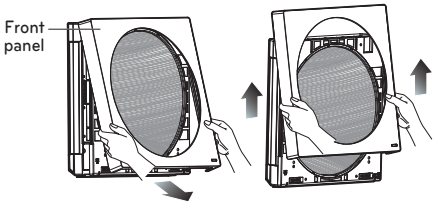
- If you want to stop Alarm Light, tap Stop for a menu **"Alarm Light ."**

Operating the air conditioner without the remote control

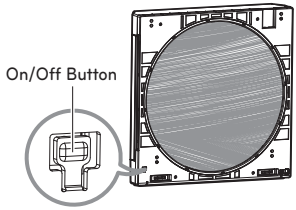
You can use the On/Off button of the indoor unit to operate the air conditioner when the remote control is unavailable. However, the fan speed is set to high.

1 Open the front panel.

- Pull out the lower section of front panel and lift it up.



2 Press the On/Off button.



- For cooling and heating models, the operation mode changes, depending on the room temperature.

Room temp.	Set temp.	Operation mode
Below 21°C	24°C	Heating operation
Above 21°C and below 24°C	23°C	Dehumidifying operation
Above 24°C	22°C	Cooling operation

- For cooling-only models, the temperature is set to 22°C (71.6°F).

Restarting the air conditioner automatically

When the air conditioner is turned on again after a power failure, this function restores the previous settings. This function is a factory default setting.

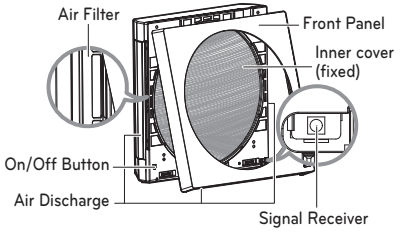
Disabling auto restart

1 Open the front panel.

- Pull out the lower section of front panel and lift it up.

2 Press the On/Off button and hold it for 6 seconds.

- The unit will beep twice and the light on the upper section of the inner cover (fixed) will blink 8 times.



- To re-enable the function, press the On/Off button and hold it for 6 seconds. The unit will beep twice and the light on the upper section of the inner cover (fixed) will blink 4 times.

* The feature can be changed according to type of model.

NOTE

If you press and hold the On/Off button for 3 – 5 seconds instead of 6 seconds, the unit will switch to the test operation. In the test operation, the unit blows out strong air for cooling for 18 minutes and then returns to the factory default settings.

WLAN Connecting (Optional)

User Environment

<Minimal Specifications>

	Android	iOS
OS	4.0.x(ICS), 4.1.x(JellyBean)	6.x.x, 7.0.x
Resolution	480 x 800/ 720 x 1280 768 x 1280/ 768 x 1024/ 1080 x 1920	960 x 640

Some functions may not operate, or a part of the screen may get fuzzy depending on the smartphone.

* A normal operation is not possible in the environment that does not satisfy the minimal specifications.

User Environment

- The mobile App can be updated for the usability/the design improvement and to reinforce the contents.
- Some functions may be limited for the air conditioner model without the provided function.

Setting The Environment

After downloading the mobile app, sign up for a membership and receive an account approval.
A connected air conditioner's remote functions can be used.

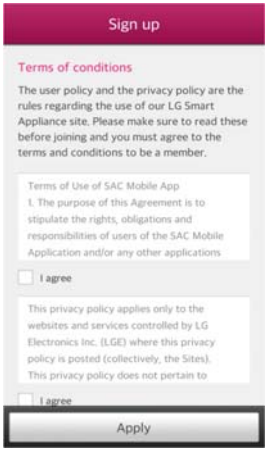
Mobile app installation

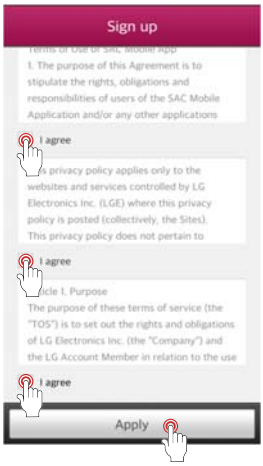
The mobile app can be downloaded from the Google play/App Store through Wi-Fi or 3G/4G.
(LG Smart AC)

Signing up for a membership

After signing up for a membership on the mobile app or the web page.
http://mx.smartthinq.com(Mexico), http://br.smartthinq.com(Brazil)
The mobile app can be used.

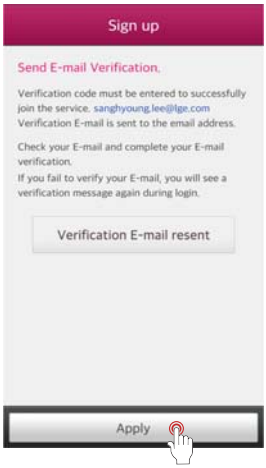
Selected your country. If you select a country, it will change to that language. After that, touch the “Sign Up”





After checking and agreeing to each user agreement, touch “Apply”.

Enter the user registration information to sign up for the service, and touch "NEXT"



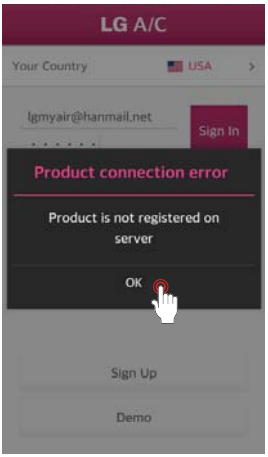
A confirmation email has been sent to your email address that you provided. Please touch the “Apply” button.

Once you touch the “Confirm Email” button on your email, signing up will be completed

Registering the product

A function to register an air conditioner on the server before using the mobile app.

Entering the E-mail and the password. Then touch the “Sign In” button

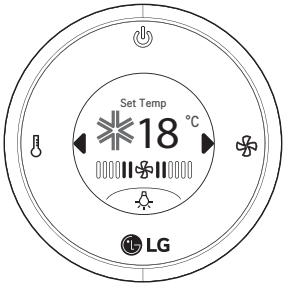


When registering the product for the first time, a pop-up will be activated. Once the “Ok” button is touch, it will change to the air conditioner registration screen.

Before touch the “Continue” button, you have to set registration mode and setting Wi-Fi.

Reference

- Instruction to set registration mode



- Tap a menu as follows.
  - Screen standby : ▶ → Settings ⚙ → WLAN 📶.
  - Active home screen : ▶ → More ∞ → ▶ → Settings ⚙ → WLAN 📶.
- Once the registration mode is set, the upper lighting blinks on the display of the body.
- 5minutes after the setting, the registration mode on the air conditioner gets cancelled automatically.

❋ If the registration mode is canceled during the product registration, re-execute the registration mode. Then, proceed with the registration.

⚠ CAUTION

- The Wi-Fi on smartphone must be turned on to start registering the product.
- If there is a problem with a connection, the 'prevention of connection failing' function in the advanced menu of the Wi-Fi setting in the smartphone needs to be cancelled for some devices.

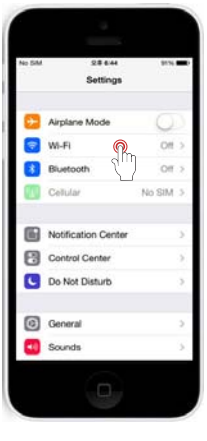
Reference

Registering the product for iPhone

- When the network is not stable or using an app for iPhone
  - The app on an iPhone does not support the automatic connection of Wi-Fi.
  - So, setting Wi-Fi by hand power. The way setting is as follows:
- How to set Wi-Fi

Press the home button of iPhone.

Touch the “Settings” icon.



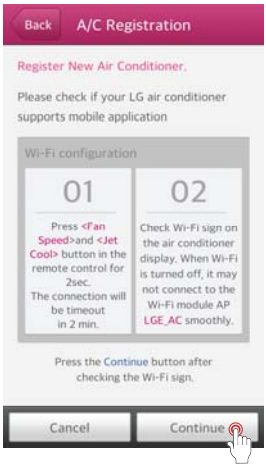
Touch the “Wi-Fi” menu.

After “Wi-Fi” on, select the AP named “LGE_AC-xx-xx-xx”

‘x’ represents numbers, and they may be different from the numbers on the example screen.

Input the password “lge12345” and press the home button of iPhone twice

Touch the “LG Smart AC” icon



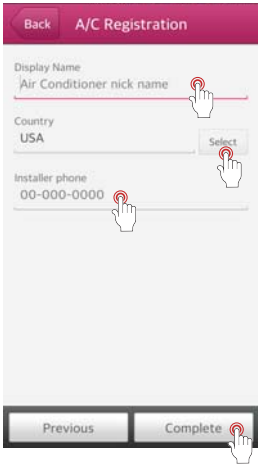
After complete setting registration mode and Wi-Fi connection, touch the "Continue" button

Once the product search is complete, a pop-up to ask initialization of the product appears.
Touch the "OK" button

Please select a router that you want to connect to.

Enter the password for the router correctly, and then touch the "OK" button.

Please check the Mac Address and Wi-Fi password.



Enter "Air Conditioner nickname" and "Installer phone", and then touch the "Complete" button.
(Appropriate product name must be selected correctly)

WARNING

If the router is WEP-open security method, you may fail to set up the network. After you have changed to other security method of router, please register of product again.

Reference

In case of more than two Product APs, turn on only one A/C that you want to register.

Check the "Reset product" pop-up

1 It must be initialized for exhibition air-conditioning, because it has the information.

2 When you first register, you must initialize.

3 Information that has been initialized:
- Specific ID of the Product
- Accumulated filter use

Finding password

The mobile app can be used after logging in.

Enter the E-mail ID on the log in screen.

Touch the "Forgot Password?" button.

Temporary password will be sent to the email address that you provided when you signed up.

❊ Other details, please refer to the Online manual.
The Online Manual is inside the web page.

MAINTENANCE

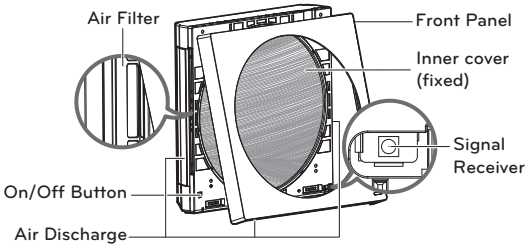
If the air conditioner will not be used for an extended of time, dry the air conditioner to maintain it in best condition.

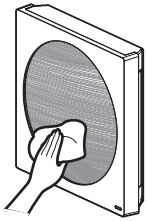
1 Dry the air conditioner in Fan mode for 3 to 4 hours and disconnect the power plug. There may be internal damage if moisture is left in components.

2 Before using the air conditioner again, dry the inner components of the air conditioner in Fan mode for 3 to 4 hours. This will help to remove odor which is generated from moisture.

Clean the product regularly to maintain optimal performance and to prevent possible breakdown.

* This may not be provided, depending on the model.





* The feature can be changed according to type of model.

Type	Description	Interval
Air filter	See “Cleaning the filter.”	2 weeks
Indoor unit	Clean the Indoor unit surface by using a soft, dry cloth.	Regularly
	Clean the condensate drain pipe.	Every 4 months
	Clean the condensate drain pan.	Once a year
	Thoroughly clean the heat exchanger.	Once a year
	Replace the remote control batteries.	Once a year
Outdoor unit	Use steam to clean the heat exchanger coils and the panel vents. (consult with technician)	Regularly
	Clean the fan.	Once a year
	Clean the condensate drain pan.	Once a year
	Verify that all the fan assembly is firmly tightened.	Once a year
	Verify that electric components with jets of air.	Once a year
	Clean the electric components with jets of air.	Once a year

CAUTION

- Turn off the power and unplug the power cord before you perform any maintenance; otherwise it may cause electric shock.
- Never use water that is hotter than 40°C when you clean the filters. It may cause deformation or discoloration.
- Never use volatile substances when you clean the filters. They may damage the surface of the product.

NOTE

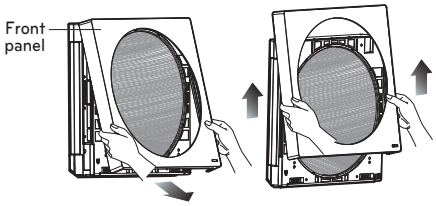
- The location and shape of the filters may differ, depending on the model.
- Make sure to clean the heat exchanger coils of the outdoor unit regularly, as dirt collected in the coils may decrease the operational efficiency or increase energy costs.

Cleaning the air filter

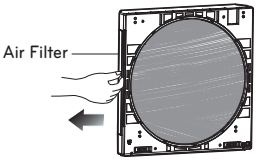
Clean the air filter once every 2 weeks or more if necessary.

1 Turn off the power and unplug the power cord.

2 Pull out the lower section of front panel and lift it up.



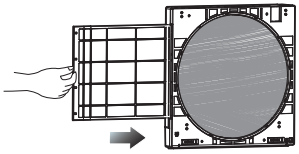
3 Take out a filter.



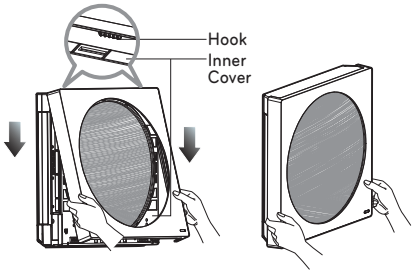
4 Clean the filter with a vacuum cleaner or with warm water. If dirt is difficult to remove, wash the filter in lukewarm water with detergent.

5 Dry the filter in the shade.

6 Then set a filter orderly.



7 Hang the hook of front panel onto the inner cover and press the lower section of front panel until the clicker is.



* The feature can be changed according a type of model.

CAUTION

- If you do not hang the hook in position, it may result in having a gap between the front panel and the inner cover. Then, open the front panel and make sure if the hook is hung.

NOTE

- The lower section of front panel can be swaying in handling because front panel has a gap to move smoothly.

TROUBLESHOOTING

Self-diagnosis function

This product has a built-in self-diagnosis function. If an error occurs, the lamp of the indoor unit will blink in 2 second intervals. If this occurs, contact your local dealer or service center.

Before requesting service

Please check the following before you contact the service center. If the problem persists, contact your local service center.

Problem	Possible causes	Corrective action
Abnormal operating conditions.	• There is a burning smell and a strange sound coming from the unit.	• Turn off the air conditioner, unplug the power cord and contact the service center.
	• Water leaks from the indoor unit even when the humidity level is low.	
	• The power cord is damaged or generating excessive heat.	
	• A switch, a circuit breaker (safety, ground) or a fuse is not operated properly.	
The air conditioner does not work.	• The air conditioner is unplugged.	• Check whether the power cord is plugged into the outlet.
	• A fuse is blown or the power supply is blocked.	• Replace the fuse or check if the circuit breaker has tripped.
	• A power failure has occurred.	• Turn off the air conditioner when a power failure occurs. • When the power is restored, wait 3 minutes, and then turn on the air conditioner.
	• The voltage is too high or too low.	• Check if the circuit breaker has tripped.
	• The air conditioner turned off automatically at a preset time.	• Press the power button again.
	• Battery setting is wrong in the remote controller.	• Is the battery inserted in Remoted controler? Is the battery inserted with the correct terminal? • Even if you check the upper lists, the air-conditioner does not operate. Charge the battery.`

Problem	Possible causes	Corrective action
The air conditioner does not generate cool air.	• Air is not circulating properly.	• Make sure that there are no curtains, blinds or furniture blocking the front of the air conditioner.
	• The air filter is dirty.	• Clean the air filter once every 2 weeks. • See "Cleaning Air Filter" for more information.
	• The room temperature is too high.	• In summer, it may take some time to cool indoor air. • In this case, select the jet cool operation to cool indoor air quickly.
	• Cold air is escaping from the room.	• Make sure that no cold air is escaping through ventilation points in the room.
	• The desired temperature is higher than the set temperature.	• Set the desired temperature to a level lower than the current temperature.
	• There is a heating source nearby.	• Avoid using a heat generator such as an electric oven or a gas burner while the air conditioner is in operation.
	• Air circulation operation is selected.	• In the air circulation operation, air blows from the air conditioner without cooling or heating the indoor air. • Switch the operation mode to the cooling operation.
	• Outside temperature is too high.	• The cooling effect may not be sufficient.
The air conditioner does not generate warm air.	• When the heating mode is started. • Vane is almost closed and air flow does not come out. • Even though outdoor unit is already begun to operate.	• This symptom is normal. • Please wait until the unit is preparing warm air. • This function prepare to blow warm air.
	• Defrosting mode is being done in the outdoor unit.	• In heating mode, ice/frost is built up on the coils when the outside temperature fall down. • This function remove a layer of frost on the coil. • Please wait until this operation is completed. It takes about 15 mins.
	• Outside temperature is too low.	• The heating effect may not be sufficient.

Problem	Possible causes	Corrective action
The air-conditioner stops during operation.	• The air conditioner is suddenly turn off.	• The timer function could be operated. If the timer function would operate, the air-conditioner can be turn off. • Check the timer setting is correct.
	• A power failure has occurred during operation.	• There is the Auto Restart Function. It is a default setting. • This function can turn on the unit automatically when the power is restored. • If you live in frequent power failure area, this function would be useful.
Indoor unit is still operating even when the power is being turned off.	• Auto-Clean mode is being operated. • This function is to remove the rest of moisture indoor unit.	• Please, wait until the end of functions. • It will be inhibit a fungal growth. If you do not want this feature, you can turn off to press.
Mist is discharged from the air outlet of the indoor unit.	• The cooled air from the air conditioner makes mist.	• When the room temperature is down, this phenomenon will disappear.
Water leaks from the outdoor unit.	• In the heating operations, condensed water drop from the heat exchanger.	• This symptom need to install drain hose under the base pan. • Contact the installer.
Operating noise or vibration.	• Clicking sound Clicking sound can be heard either when the unit starts or stops due to movement of reversing valve. • Creaking sound The plastic parts of the indoor unit make sound of shrinks and expands due to a sudden temperature change. • The water flowing sound, Blowing sound The flow of refrigerant through the air conditioner is switching, noise can be heard.	• These are normal symptoms. • After a moment, it will be silent.
The indoor unit gives out odor.	• The air smells bad because a musty or cigarettes odor may be absorbed into the indoor unit and discharged with airflow.	• If the smell does not disappear, you need to wash filter or heat exchanger. • Contact the installer.

Model	Voltage	Frequency	Cooling		Heating	
			Power	Current	Power	Current
VR122HG NS30, US30	220 V ~	60 Hz	NOR. 1 090 W MAX. 1 400 W	NOR. 5,0 A MAX. 6,0 A	NOR. 970 W MAX. 1 600 W	NOR. 4,5 A MAX. 7,0 A

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