website http://www.lgservice.com
e-mail http://lgservice.com/techsup.html

LG

ENGLISH
ITALIANO
ESPAÑOL
FRANÇAIS
DEUTSCH
РУССКИЙ

LG Single Package Type Air Conditioner

OWNER'S MANUAL

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service which provides electricity (EN 61000-2, 61000-3 Norm).

IMPORTANT

- **Please read this owner's manual carefully and thoroughly before installing and operating your room air conditioner.**
- **Please retain this owner's manual for future reference after reading it thoroughly.**

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FOR YOUR RECORDS

Write the model and serial numbers here:

Model #

Serial #

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

Dealer's Name

Date Purchased

■ Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.

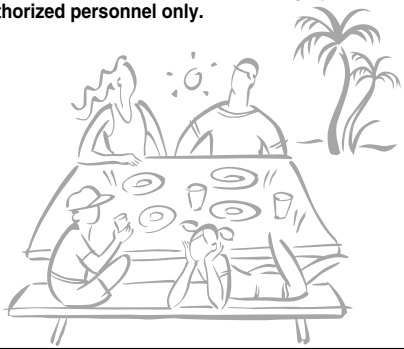
READ THIS MANUAL

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner.

You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of **Troubleshooting Tips** first, you may not need to call for service at all.

PRECAUTION

- **Contact the authorized service technician for repair or maintenance of this unit.**
- **Contact the installer for installation of this unit.**
- **The air conditioner is not intended for use by young children or invalids without supervision.**
- **Young children should be supervised to ensure that they do not play with the air conditioner.**
- **When the power cord is to be replaced, replacement work shall be performed by authorized personnel only using only genuine replacement parts.**
- **Installation work must be performed in accordance with the National Electric Code by qualified and authorized personnel only.**



Safety Precautions

To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠WARNING	This symbol indicates the possibility of death or serious injury.
⚠CAUTION	This symbol indicates the possibility of injury or damage.

■ Meanings of symbols used in this manual are as shown below.

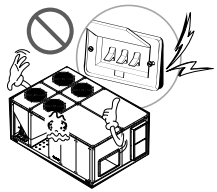
⃠	**Be sure not to do.**
❗	**Be sure to follow the instruction.**

⚠WARNING

■ Installation

Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.

• There is risk of fire or electric shock.



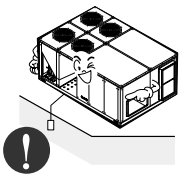
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

• Do not disassemble or repair the product. There is risk of fire or electric shock.



Always ground the product.

• There is risk of fire or electric shock.



Install the panel and the cover of control box securely.

• There is risk of fire or electric shock.



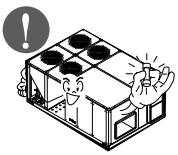
Always install a dedicated circuit and breaker.

• Improper wiring or installation may cause fire or electric shock.



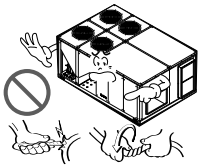
Use the correctly rated breaker or fuse.

• There is risk of fire or electric shock.



Use the specified wires to connect the unit.

• There is risk of fire or electric shock.



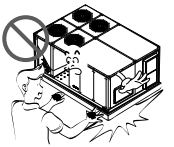
Do not install, remove, or re-install the unit by yourself (customer).

• There is risk of fire, electric shock, explosion, or injury.



Be cautious when unpacking and installing the product.

• Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.



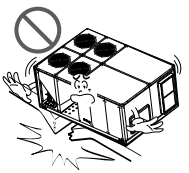
For installation, always contact the dealer or an Authorized Service Center.

• There is risk of fire, electric shock, explosion, or injury.



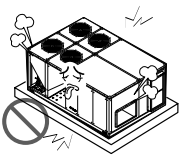
Do not install the product on a defective installation stand.

• It may cause injury, accident, or damage to the product.



Be sure the installation area does not deteriorate with age.

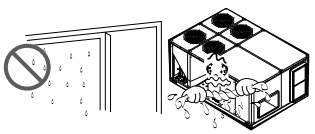
• If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



■ Operation

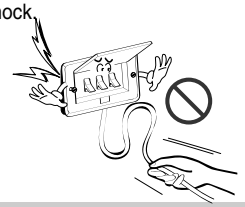
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

• Moisture may condense and wet or damage furniture.



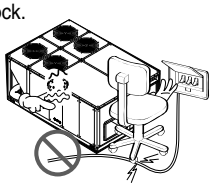
Take care to ensure that power cable could not be pulled out or damaged during operation.

• There is risk of fire or electric shock.



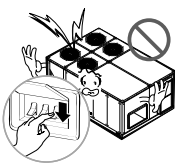
Do not place anything on the power cable.

• There is risk of fire or electric shock.



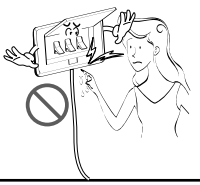
Do not plug or unplug the power supply plug during operation.

• There is risk of fire or electric shock.



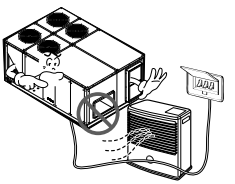
Do not touch(operate) the product with wet hands.

• There is risk of fire or electrical shock.



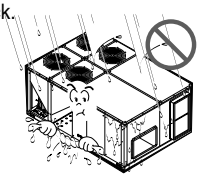
Do not place a heater or other appliances near the power cable.

• There is risk of fire and electric shock.



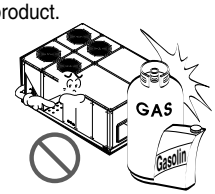
Do not allow water to run into electric parts.

- It may cause There is risk of fire, failure of the product, or electric shock.



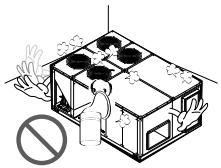
Do not store or use flammable gas or combustibles near the product.

- There is risk of fire or failure of product.



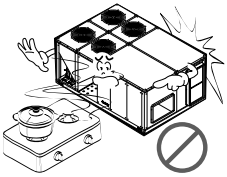
Do not use the product in a tightly closed space for a long time.

- Oxygen deficiency could occur.



When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on.

- Do not use the telephone or turn switches on or off. There is risk of explosion or fire.



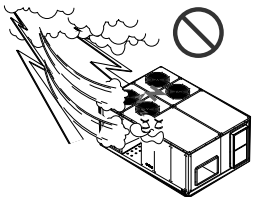
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

- There is risk of electric shock or fire.



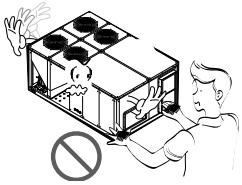
Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives.

- There is risk of property damage, failure of product, or electric shock.



Do not open the panel of the product during operation. (Do not touch the electrostatic filter, if the unit is so equipped.)

- There is risk of physical injury, electric shock, or product failure.



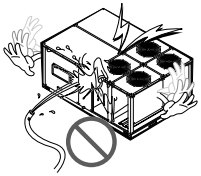
When the product is soaked (flooded or submerged), contact an Authorized Service Center.

- There is risk of fire or electric shock.



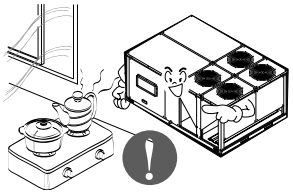
Be cautious that water could not enter the product.

- There is risk of fire, electric shock, or product damage.



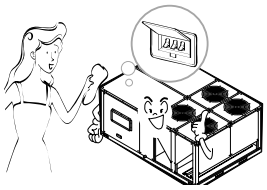
Ventilate the product from time to time when operating it together with a stove, etc.

- There is risk of fire or electric shock.



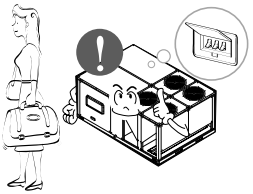
Turn the main power off when cleaning or maintaining the product.

- There is risk of electric shock.



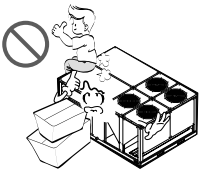
When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.

• There is risk of product damage or failure, or unintended operation.



Take care to ensure that nobody could step on or fall onto the unit.

• This could result in personal injury and product damage.

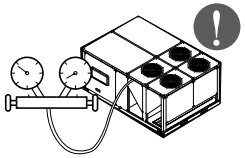


⚠CAUTION

■ Installation

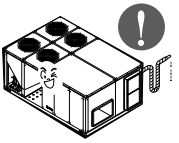
Always check for gas (refrigerant) pressure after installation or repair of product.

• Low refrigerant levels may cause failure of product.



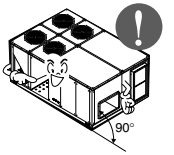
Install the drain hose to ensure that water is drained away properly.

• A bad connection may cause water leakage.



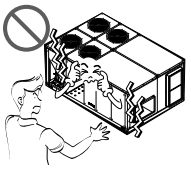
Keep level even when installing the product.

• To avoid vibration or water leakage.



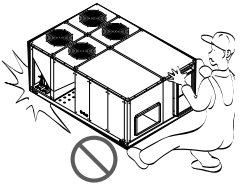
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

• It may cause a problem for your neighbors.



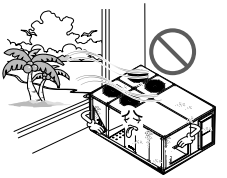
Don't use people to lift and transport the product.

• Avoid personal injury.



Do not install the product where it will be exposed to sea wind (salt spray) directly.

• It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



Having perfect vacuum process in the factory, our units don't have drier but have filter in the refrigerant circuit.

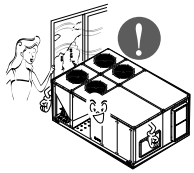
In case of recharging gas in the field,

"DRIER" must be installed on the liquid line which is connected from discharge part of condenser to intake part of evaporator. Because the refrigerant circuit is capable of containing water with imperfect vacuum.

■ Operation

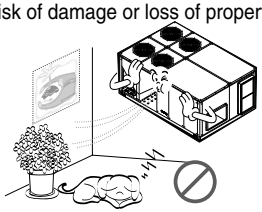
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

• This could harm to your health.



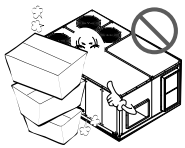
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

• There is risk of damage or loss of property.



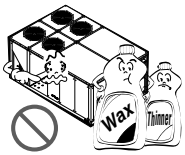
Do not block the inlet or outlet of air flow.

• It may cause product failure.



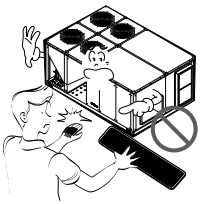
Use a soft cloth to clean. Do not use harsh detergents, solvents, etc.

• There is risk of fire, electric shock, or damage to the plastic parts of the product.



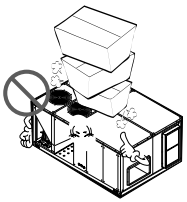
Do not touch the metal parts of the product when removing the air filter. They are very sharp!

• There is risk of personal injury.



Do not step on or put anything on the product. (outdoor units)

• There is risk of personal injury and failure of product.



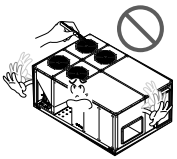
Always insert the filter securely. Clean the filter every four weeks or more often if necessary.

• A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.



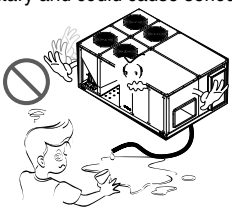
Do not insert hands or other objects through the air inlet or outlet while the product is operated.

• There are sharp and moving parts that could cause personal injury.



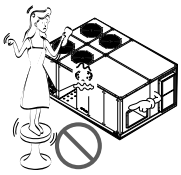
Do not drink the water drained from the product.

• It is not sanitary and could cause serious health issues.



Use a firm stool or ladder when cleaning or maintaining the product.

• Be careful and avoid personal injury.



Prior to Operation

Preparing for operation

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Use a dedicated circuit.
4. Do not use an extension cord.
5. Do not start/stop operation by plugging/unplugging the power cord.
6. If the cord/plug is damaged, replace it with only an authorized replacement part.

Usage

1. Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

Cleaning and maintenance

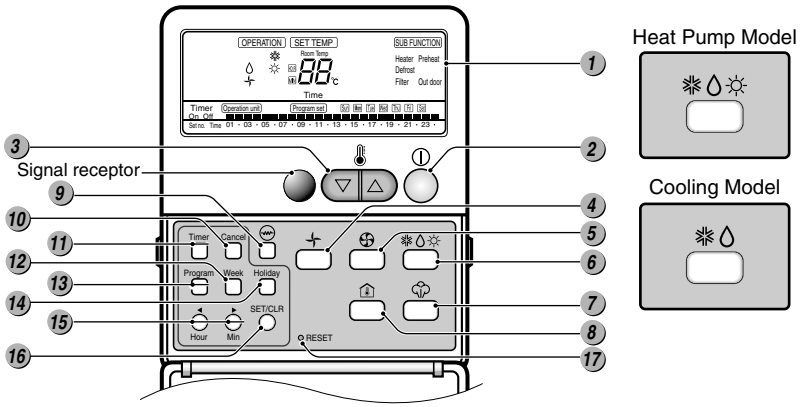
1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

Service

For repair and maintenance, contact your authorized service dealer.

Operating Instructions

Name and Function of Remote Controller



1 Operation display
Displays the operation conditions.

2 On/Off Button
Operation starts when this button is pressed, and stops when the button is pressed again.

3 Set Temperature Button
Used to set the temperature when the desired temperature is obtained.

4 Fan Operation Button
Used to circulate room air without cooling or heating.

5 Fan Auto Button(Cooling Only)
- Fan AUTO operation mode
  Used to turn the indoor fan motor to on/auto operation mode by alternate pressing.
- Fan ON operation mode

6 Operation Mode Selection Button
Used to select the operation mode.
- Cooling Operation Mode
- Soft Dry Operation Mode
- Heating Operation Mode(except cooling model)

7 Humidify Button

8 Room Temperature Checking Button
Used to check the room temperature.

9 Heater Button

10 Timer Cancel Button
Used to cancel the timer.

11 Timer Set Button
Used to set the timer when the desired time is obtained.

12 Week Button
Used to set a day of the week.

13 Program Button
Used to set the weekly timer.

14 Holiday Button
Used to set a holiday of the week.

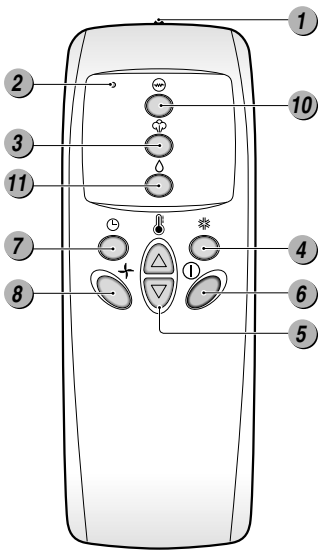
15 Time Set Button
Used to set the time of the day and change the time in the weekly timer Function.

16 Set and Clear Button
Used to set and clear the weekly timer.

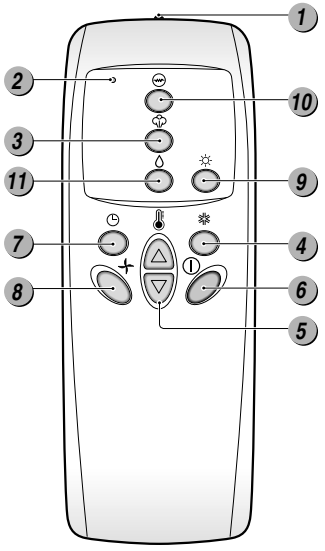
17 Reset Button
Used to set the current time and clear the setting time.

❈ Display temperature can be different from actual room temperature if the remote controller is installed at the place where sun-rays are falling directly or the place nearby heat source.

Wireless Remote Controller(Optional)



(Cooling Model)



(Heat pump Model)

1 Signal Transmitter
- Transmits the signals to the package air conditioner

2 Operation Display of the Remote Control

3 Humidify Button

4 Cooling ON Button

5 Temperature Setting Buttons

6 Power ON/OFF Button
- Operation will start when this button is pressed, and stop when the button is pressed again.

7 Timer Set Button
- Each time the button is pressed, the mode is changed in the following process.
  Timer set (1, 2, 3, 4, 5, 6, 7 hours)
  If you select “0:00” the off Timer function will be canceled.

8 Indoor Fan Operation Button

9 Heating Button (Heat Pump Model Only)

10 Electric Heater ON/OFF Button(Optional)

11 Soft Dry Operation Button

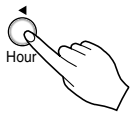
Wireless Remote Control Puts all functions at your fingertips

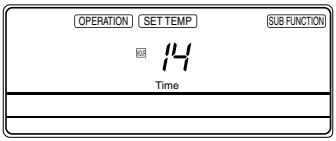
Handling the remote control
- Aim at the signal receptor on the package air conditioner when operating.
- The remote control signal can be received at a distance of up to about 7meters.
- Be sure that there are no obstructions between the remote control and the signal receptor.
- Do not drop or throw the remote control.
- Do not place the remote control in a location exposed to direct sunlight, or next to a heating unit, or other heat source.

Set the Current Time and a day of the Week

1 Press the ' Hour ' button.

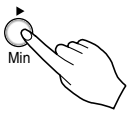
Each time the button is pressed, the number is changed from ***00*** to ***23***.
You can set the number of the current hour.

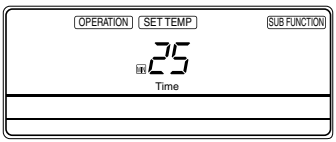




2 Press the ' Min ' button.

Each time the button is pressed, the number is increased from ***00*** to ***59***.
You can set the number of the current minute.

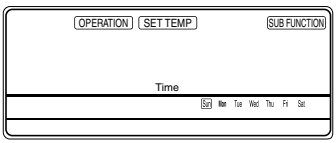




3 Press ' Week ' button.

Each time the button is pressed, a day of the week is shifted from sunday to saturday.
You can set the day of the week.

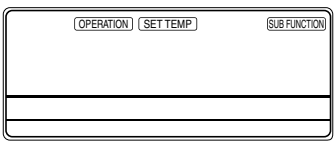




4 Press the ' RESET ' button.

If you want to reset the current time and a day of the week, click the Reset button.



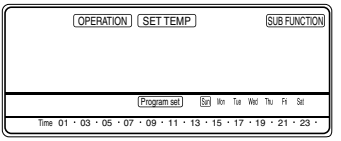


Weekly Programming

1 Press the Program button.

The remote controller is displayed like a picture. Then ' Program set ', ' Sun ' and '01' is blinked.



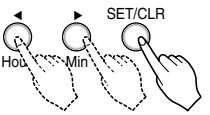


2 Press the ' Week ' button.

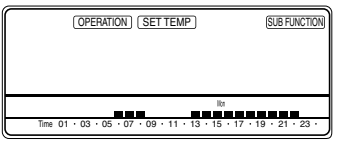
Select Monday.



3 Change the timer setting until the desired time is set.
After you select a time, push the SET/CLR button once or one more time.



For Example if the air-conditioner is turned on from 6 to 8 and from 13 to 22 and turned off at other time monday, display is as follows. (black bar indicates turn-on, white bar indicates turn-off.)



4 You can set turn on and turn off time by the day in a week as above.

Holiday Setting

If Tuesday is a holiday in this week, you may set a holiday.

1. Press the Program button.



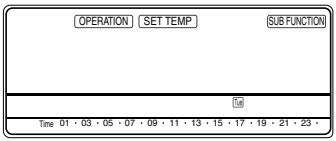
2. Press the Week button.
   Select the Tuesday.



3. Press the Holiday button.



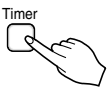
Then the remote controller will be displayed ' Tue '.
The outside rectangular means holiday.



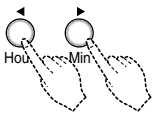
Timer Setting(Delay start/Pre-set stop)

This function is used to turn on or turn off in several hours.

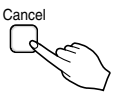
1. Press the Timer button to turn Timer on or off.



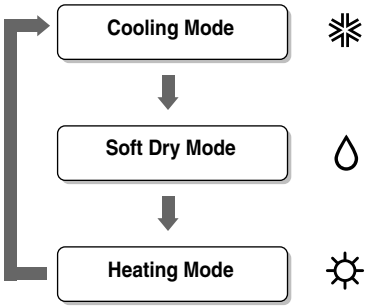
2. Change the timer setting until the desired time is set.



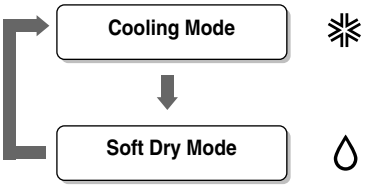
3. If you want to cancel the timer setting, press the Cancel button.



Operation Mode



(Heat Pump Model)



(Cooling Model)

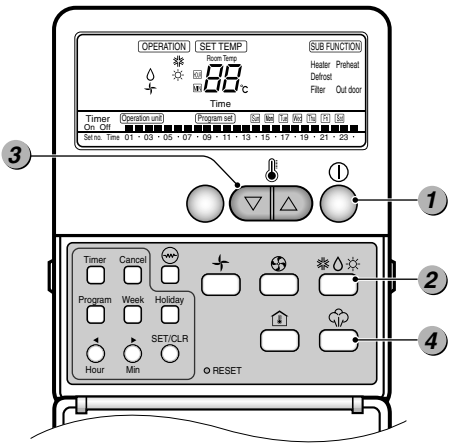
Operation Procedure

1 **On/Off Button**

2 **Operation Mode Selection Button**

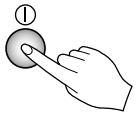
3 **Room Temperature Setting Button**

4 **Humidify Button**



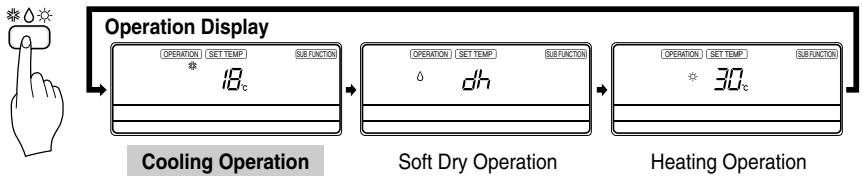
Cooling Operation Mode

1 Press the On/Off Button.

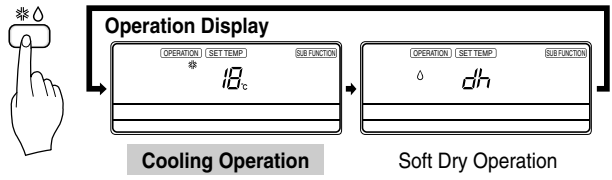


2 Select Cooling Operation.
Press the Operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.

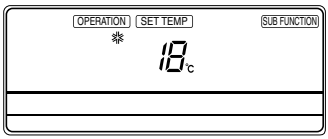
HEAT PUMP MODEL



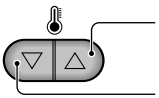
COOLING MODEL



3 Set the temperature lower than the room temperature.



- The temperature can be set within a range of 18°C ~ 30°C by 1°C .



Soft Dry Operation Mode

This mode dehumidifies without overcooling.

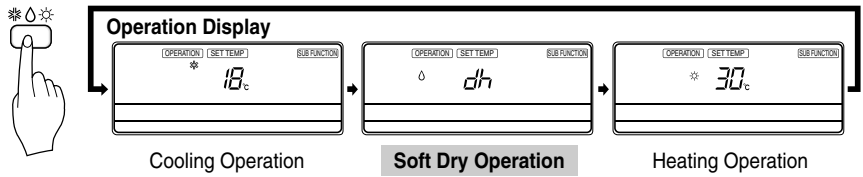
1 Press the On/Off Button.



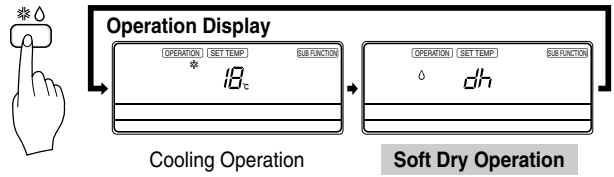
2 Select Soft Dry Operation.

Press the operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.

HEAT PUMP MODEL

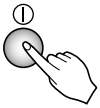


COOLING MODEL

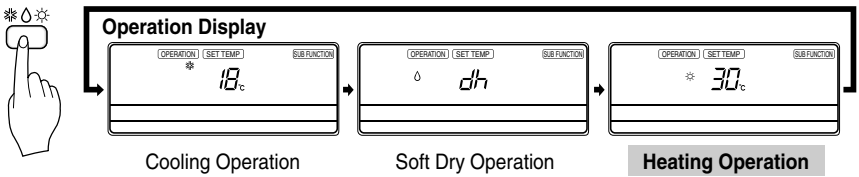


Heating Operation Mode(Heat pump model only)

1 Press the On/Off Button.

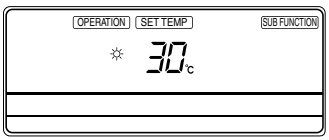


2 Select Heating Operation.
Press the Operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.

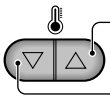


Cooling Operation | Soft Dry Operation | **Heating Operation**

3 Set the temperature.



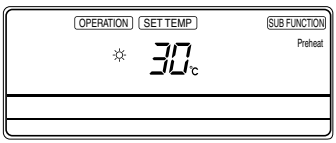
- The temperature can be set within a range of 16°C~30°C by 1°C.



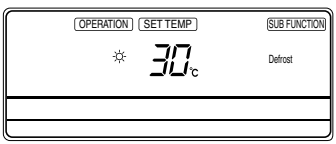
To raise the Temperature.

To lower the Temperature.

4 This air-conditioner is set to the hot start control in order not to discharge the cold air during the heating operation. This time, the remote controller indicates 'Preheat'.



5 If the outdoor temperature is too low during the heating operation, this air-conditioner is set to the defrosting operation and the remote controller indicates 'Defrost'.



Care and Maintenance

CAUTION: Before performing any maintenance, turn off the main power to the system.

You can do some of the periodic maintenance for your unit yourself; this includes cleaning air filters, cleaning unit cabinet, clearing the condenser coil, and conducting a general unit inspection on a regular basis.

WARNING: Before removing access panels to service unit, disconnect power supply. Failure to disconnect power before attempting any servicing can result in severe injury or death.

ANTI-BACTERIA-Air Filters

This product has anti-bacteria washable filters. It is very important to keep air filters clean in the central duct system. Be sure to inspect them at least once each month when the system is in constant operation. (In new buildings, check the filters every week for the first 4 weeks.)

Washable type filters can be cleaned by washing with a mild detergent and water. Ensure that the filters are thoroughly dried before reinstalled them in the unit (or duct system).

Condenser coil

Unfiltered air circulates through the unit's condenser coil and can cause the coil's surface to become clogged with dust, dirt, etc.. To clean the coil, vertically (i.e., along the fins) stroke the coil surface with a soft bristled brush.

Keep all vegetation away from the condenser coil area.

Maintenance Performed by Serviceman-Cooling Season

To keep your unit operating safely and efficiently, the manufacturer recommends that a qualified serviceman check the entire system at least once each year, or more frequently if conditions warrant. Your serviceman may examine these areas of your unit:

1. Filters (for cleaning)
2. Motors and drive system components
3. Condenser coils (for cleaning)
4. Safety Controls (for mechanical cleaning)
5. Electrical components and wiring (for possible replacement or connection tightness)
6. Condensate drain (for cleaning)
7. Inspect the unit duct connections to ensure they are physically sound and sealed to the unit casing.
8. Inspect the unit mounting support to see that it is sound.
9. Inspect the unit to ensure there is no obvious deterioration.

Maintenance Performed By Serviceman-Heating Season

Complete the unit inspections and service routines described below at the beginning of each heating season.

- Inspect the controller panel wiring to verify that all electrical connections are tight and that wire insulation is intact.

When the air conditioner is not going to be used for a long time.

When air conditioner is not going to be used for a long time.

1. Operate the air conditioner on Air circulation mode for 2 to 3 hours.
   • This will dry out the internal parts.
2. Turn off the circuit breaker.

CAUTION: Turn off the circuit breaker when the air conditioner is not going to be used for a long time. Dirt may collect and may cause a fire.

When the air conditioner is to be used again.

1. Clean the air filter and re-install it in the indoor side.
   On the fillter access panel at the left side of the unit, a “Filter access panel” label is attatched.
2. Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

Operation Tips

Do not overcool the room.

This is not good for your health and wastes electricity.

Keep blinds or curtains closed.

Do not let direct sunshine enter the room when the air conditioner is in operation.

Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects.

Make sure that the doors and windows are shut tight.

Avoid opening doors and windows as much as possible to keep the cool air in the room.

Ventilate the room occasionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

CAUTION

Before removing access panels to draw out air filters, disconnect power supply.
Since the fan rotates at high speed, it may cause a serious injury

❶ **Clean at least once every month using a vacuum cleaner or washing with a neutral detergent in lukewarm water.**

❷ **After washing with water, dry it well in the shade.**
• Do not expose the air filter to direct sunlight or heat from a fire when drying it.

Before you call for service...

Check the following points before requesting repairs or service.... If the fault persists, please contact your dealer or service center.

Case	Explanation	See page
Does not operate.	• Have you made a mistake in timer operation?	
	• Has the fuse blown or has the circuit breaker been tripped?	-
	• Does the Remote controller display "CH" on the LCD? This means that protective device has been tripped please contact your dealer or service center.	
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm air.	-
Air conditioner does not operate for Fabout 3 minutes when restarted.	• This is the Protection device of the air conditioner. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	18
	• The room may have been very hot when the air conditioner was first turned on. Allow time for it to cool down.	-
	• Has the setting temperature been set incorrectly? • Are the unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit.	-
Remote controller display is faint, or no display at all.	• Has the circuit breaker been tripped?	
There's no air flow in cooling or heating mode	• Have you selected Fan auto operation mode?	-



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