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LG

ENGLISH

FRANÇAIS

ESPAÑOL

# LG Floor Standing Type Air Conditioner

## *OWNER'S MANUAL*

### IMPORTANT

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

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Celsius(°C) ↔ Fahrenheit (°F)  
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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.

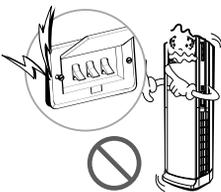
	<b>Be sure not to do.</b>
	<b>Be sure to follow the instruction.</b>

## ⚠ WARNING

### ■ Installation

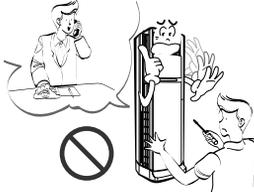
**Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit.**

- There is risk of fire or electric shock.



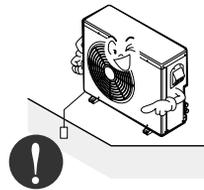
**For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.**

- 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.



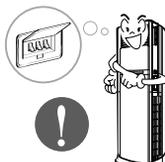
**Install the panel and the cover of control box securely.**

- 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



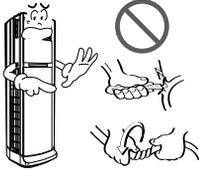
**Use the correctly rated breaker or fuse.**

- There is risk of fire or electric shock.



**Do not modify or extend the power cable.**

- There is risk of fire or electric shock.



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

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



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

- 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.



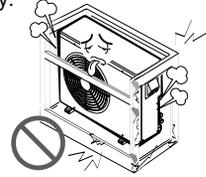
**Be cautious when unpacking and installing the product.**

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



**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**

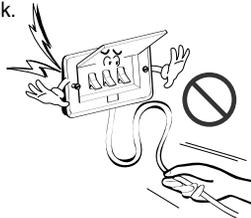
**Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.**

- Moisture may condense and wet or damage furniture.



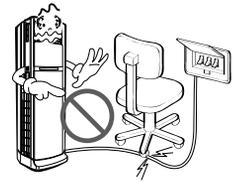
**Take care to ensure that power cable could not be pulled out or damaged during operation.**

- There is risk of fire or electric shock.



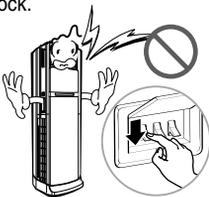
**Do not place anything on the power cable.**

- 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.



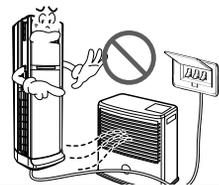
**Do not touch (operate) the product with wet hands.**

- 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.



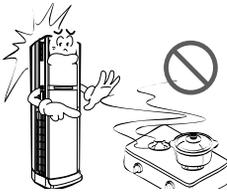
**Do not use the product in a tightly closed space for a long time.**

- 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



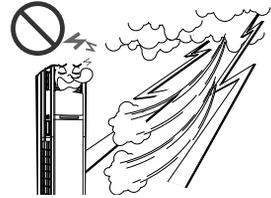
**If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.**

- 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 inlet grill 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.



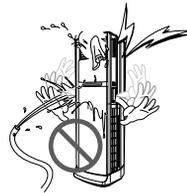
**When the product is soaked (flooded or submerged), contact an Authorized Service Center.**

- 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 outdoor unit.

- This could result in personal injury and product damage.

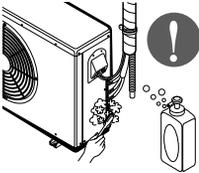


## CAUTION

### Installation

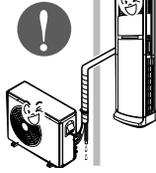
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



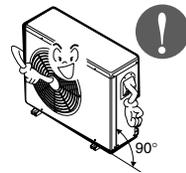
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



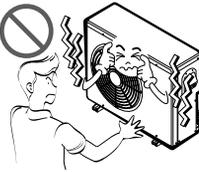
Keep level even when installing the product.

- 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.



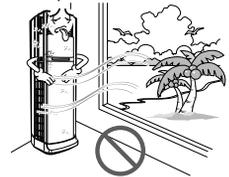
Use two or more people to lift and transport the product.

- 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.



### Operation

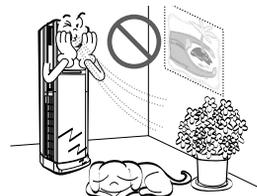
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm your health.



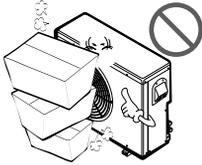
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- 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.



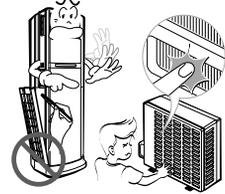
**Always insert the filter securely. Clean the filter every two weeks or more often if necessary.**

- 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.



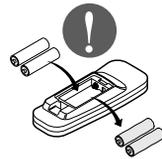
**Use a firm stool or ladder when cleaning or maintaining the product.**

- Be careful and avoid personal injury.



**Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries.**

- There is risk of fire or explosion



**Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire.**

- They may burn or explode.



**If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked.**

- The chemicals in batteries could cause burns or other health hazards.



# 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 a long time may be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for a long time.
2. Due to the possibility of oxygen deficiency, ventilate the room when using the appliance together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purpose (e.g. preserving precision devices, food, pets, plants, or art objects). Such use may damage your properties.

## Cleaning and Maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injury can occur.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to 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 triggered while cleaning inner parts of the unit.

## Service

For repair and maintenance, contact your authorized service dealer.

# Introduction

## Symbols used in this Manual



This symbol alerts you to the risk of electric shock.



This symbol alerts you to hazards that may cause harm to the air conditioner.

**NOTICE**

This symbol indicates special notes.

# Operating Instructions

## Features and Specifications

### 1. 3D Stereo Cooling

This first developed 3D Stereo Cooling Method makes clear a dead zone to cool the indoor evenly within a early time.

### 2. Edge Installation Design

You can use the installation space in a effective way to adopt semi built-in type of 3D Diamond design.

### 3. Magic Remote

You can keep remote controller conveniently with separate holder on the side of the product.

### 4. Design for cooling

### 5. Super energy efficiency

### 6. Micom control

### 7. Whisper quiet operation

### 8. Wireless remote control

### 9. 3 cooling speeds

### 10. Removable air filter

### 11. Anti-Bacteria filter

### 12. 3 minutes delay circuit

### 13. Turbo-Z operation

### 14. Energy saving

### 15. Auto restart

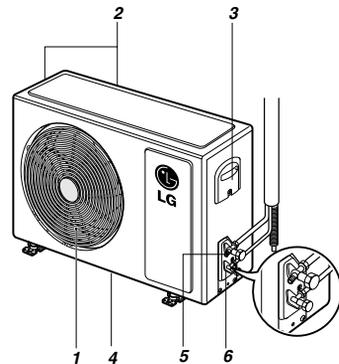
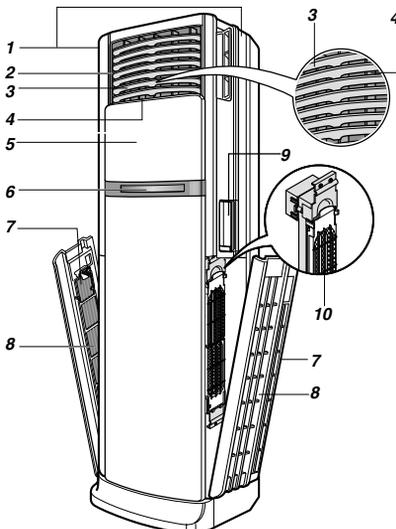
### 16. Plasma Air Purifying system

### INDOOR UNIT

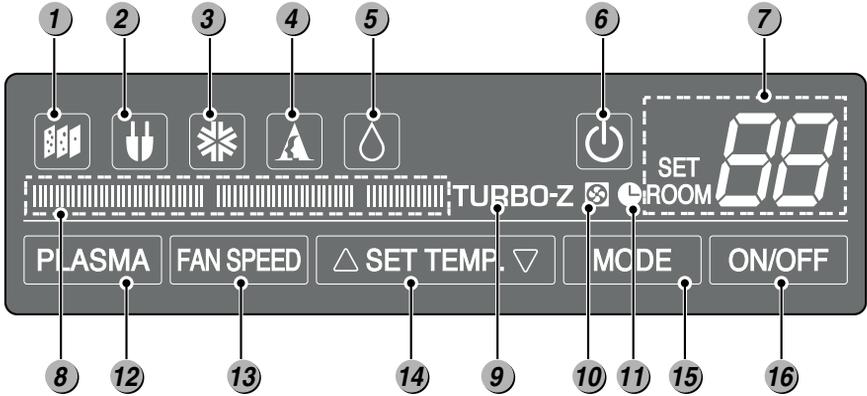
1. Air outlet(2 sides) by Manual operation
2. Air outlet(front side)
3. Up/Down Airflow Control Louver
4. Left/Right Airflow Control Louver
5. Sliding Clean Door
6. Touch Panel
7. Anti-Bacteria Filter
8. Air Inlet
9. Remote Controller Holder
10. Plasma Air Cleaner

### OUTDOOR UNIT

1. Air Outlet
2. Air Inlet(back side)
3. Control Cover
4. Base Panel  
(It is made of special materials of durability, rust-resistance and non-coating.)
5. Ground Terminal
6. Refrigerant Pipe Port

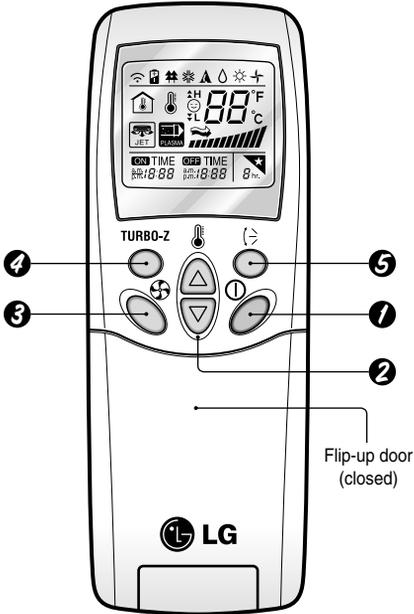


**Indoor Unit Controls and Indicators**



- 1. Air Cleaner Operation Display**
- 2. Energy Saving Operation Display**
- 3. Cooling Operation Display**
- 4. Auto Operation Display**
- 5. Soft Dry Operation Display**
- 6. Power on Display**
- 7. Room Temp/Set Temp Display**
- 8. Fan Speed Operation Display**
- 9. Turbo-Z Operation Display**
- 10. Outdoor Unit Operation Display**
- 11. Off Timer Operation Display**
- 12. Air Cleaner Operation Key**
- 13. Indoor Fan Speed Key**  
Used to select fan speed in three steps-low, High, Super High.
- 14. Room Temperature Setting Key**
- 15. Operation Mode Key**  
Cooling,Auto-operation,Soft-Dry operation
- 16. On/Off Key**  
Operation starts when this key is touched and stops when the key is touched again.

Features of the Remote Control- Door Closed



**1 START/STOP BUTTON**  
Operation starts when this button is pressed and stops when the button is pressed again.



**2 ROOM TEMPERATURE SETTING BUTTONS**  
Used to select the room temperature.



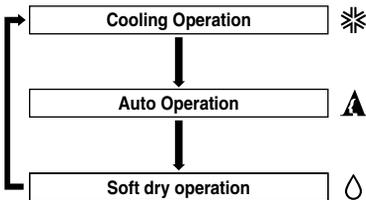
**3 INDOOR FAN SPEED SELECTOR**  
Used to select fan speed in three steps low, high, super high.



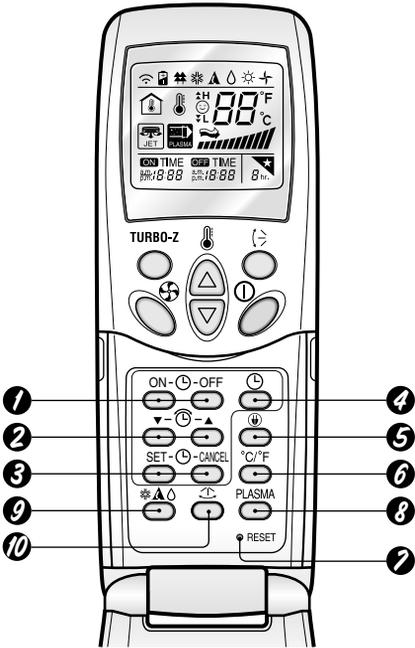
**4 TURBO-Z**  
Used to start or stop the speed cooling. (Speed cooling operates super high fan speed in cooling mode.)



**5 AUTO AIRFLOW DIRECTION CONTROL BUTTON**  
The horizontal louvers swing up and down.



**Features of the Remote Control- Door Opened**



- 1 ON/OFF TIMER BUTTONS** 

Used to set the time of starting and stopping operation.
- 2 TIME SETTING BUTTONS** 

Used to adjust the time.
- 3 TIMER SET/CANCEL BUTTONS** 

Used to set the timer when the desired time is obtained and to cancel the Timer operation.
- 4 SIMPLE OFF TIMER SET BUTTON** 

Each time the button is pressed, the mode is changed in the following process.  
Time set (0, 1, 2, 3, 4, 5, 6, 7 hrs)  
If you select "0", Timer function will be Cancel.
- 5 ENERGY SAVING OPERATION BUTTON** 
- 6 °C ↔ °F SWITCHING BUTTON** 

Used to switch temperature reading from Centigrade to Fahrenheit and viceversa.
- 7 RESET BUTTON** 

Used prior to resetting time or after replacing batteries.
- 8 PLASMA AIRPURIFYING BUTTON** 
- 9 OPERATION MODE SELECTION BUTTON** 

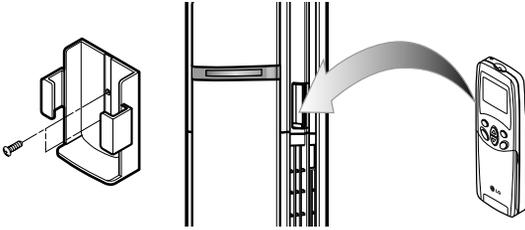
Used to select the operation mode.  
Cooling,Auto-operation,Soft dry Operation
- 10 AUTO AIRFLOW DIRECTION CONTROL BUTTON** 

The vertical louvers swing right and left.

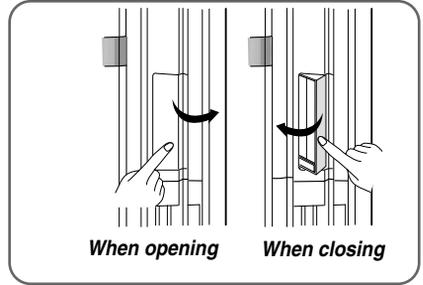
## Remote Control Preparation

### 1. How to mount onto a wall

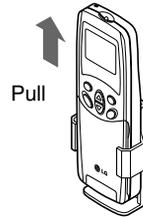
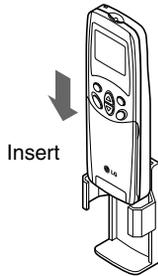
Use the screws to secure the holder to the wall or attach the holder side of indoor unit.



- Please keep it on the right side of indoor unit.

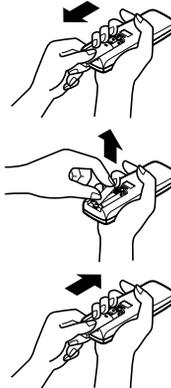


### 2. To insert the remote control to the holder.



### How to insert batteries

1. Remove the cover from the back of the remote controller.
  - Slide the cover according to the arrow direction.
2. Insert two batteries.
  - Be sure that the (+) and (-) directions are correct.
  - Be sure that both batteries are new.
3. Re-attach the cover.
  - Slide the cover into back position.



- Do not use rechargeable batteries such as different from standard dry cells in shape, dimensions, and performance.
- Change the batteries with a new one if the remote control does not work properly after using for an extended length of time.

## Cooling Operation Mode

**1** Press the on/off button.(or touch anyplace of touch panel and touch the on/off key)

**2** Select **Cooling Operation**. Press the mode Operation Button on the remote controller (or Touch the mode Operation key on the touch panel)

**3** Set the temperature lower than the room temperature. The temperature can be set within a range of 60°F~86°F by 1°F.

To raise the temperature  
To lower the temperature

**4** When you finish the temperature setting.

After 4 seconds

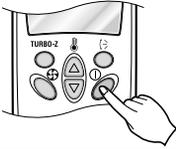
**5** Set the Fan Speed.

Low  
High  
Super High

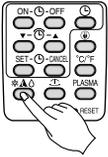
□ Each time the Fan Speed Button is pressed (or fan speed key is touched), the Fan Speed mode is shifted in the arrow direction.

## Soft Dry Operation

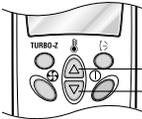
**1** Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



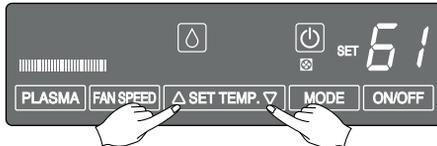
**2** Select Soft Dry Operation  
Press the mode Operation Button on the remote controller  
(or Touch the mode Operation key on the touch panel)



**3** Set the temperature lower than the room temperature.  
The temperature can be set within a range of 60°F~86°F by 1°F.



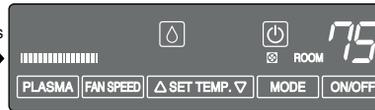
To raise the temperature  
To lower the temperature



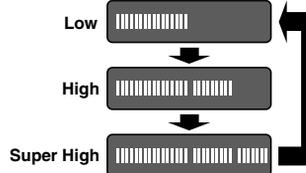
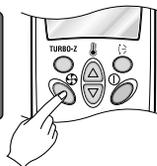
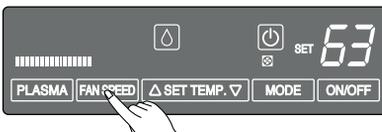
**4** When you finish the temperature setting.



After 4 seconds

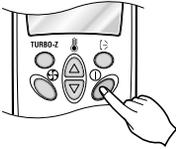


**5** During Soft Dry Operation.  
The indoor fan speed is automatically set to low and can be set fan speed.

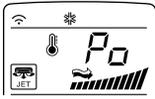
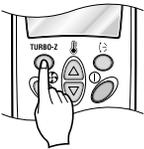


## TURBO-Z Operation

1 Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



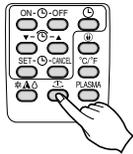
2 Press the **TURBO-Z** button to operate the speed cooling mode and the unit will operate in super high fan speed in cooling mode.



3 To cancel the **TURBO-Z** mode, press the **TURBO-Z** button again or the Auto Swing Direction Control Button (Up & Down, Left & Right) or Operation Mode Button and the unit will operate in High. Fan speed on cooling mode.



or



or



or

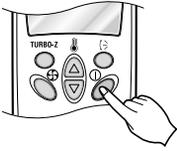


### NOTICE

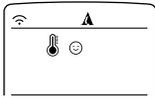
- During the **TURBO-Z** function at any moment, the A/C starts to blow the cool air at extremely high speed setting the room temp. automatically to 65°F. It is especially used to cool the room in shortest time in a hot summer.
- In heat pump mode or neuro fuzzy mode however, the **TURBO-Z** function is not available.

## Auto Operation Mode

- 1** Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



- 2** Select Auto operation mode  
Press the Mode Operation Button on the remote controller  
(or Touch the Mode Operation key on the touch panel)



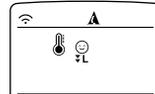
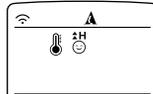
- 3** Set the temperature upper or lower than the standard temperature.  
The temperature can be set within a range of  $-2 \sim 2$  by 1 level.



(This indication will be shifted to the initial Auto Mode Display state after 4 seconds.)

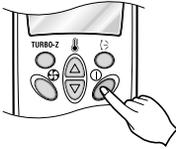


To raise the temperature  
To lower the temperature

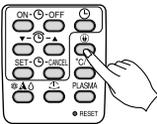


## Energy Saving Mode

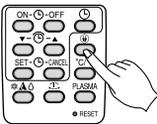
**1** Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



**2** Select Energy Saving Operation  
Press the Energy Operation Button on the remote controller  
(or Touch the Energy Saving Operation key on the touch panel)



**3** To cancel the Energy Saving mode. Press(Touch) the Energy Saving Button(Key) Again and the unit will operate on Cooling/Auto/Soft Dry mode.

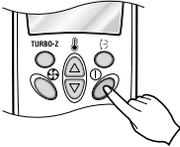


### Auto restart

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

## Airflow Direction Procedure

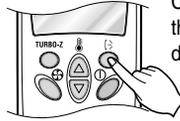
- 1 Press the on/off button (or touch the anyplace of touch panel and touch the on/off key)



(Operation will start when the button is pressed, and stop when the button is pressed again.)

- 2 Press the Auto Swing Button and then louvers will swing Up and down.

Press the Airflow Direction Control Button again to set the Horizontal louver at the desired airflow direction.

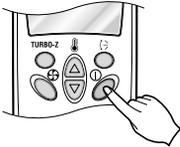


The horizontal louver swing up and down.

## Side Airflow Direction Control

Adjust the vertical airflow direction manually by moving the Vertical Vanes with hand.

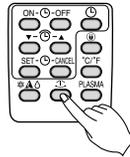
- 1 Press the on/off button (or touch the anyplace of touch panel and touch the on/off key)



(Operation will start when the button is pressed, and stop when the button is pressed again.)

- 2 Press the Auto Swing Button and then louvers will swing left and right.

Press the Airflow Direction Control Button again to set the Vertical louver at the desired airflow direction.



The vertical louver swing left and right.

## Plasma Air Purifying Operation Procedure

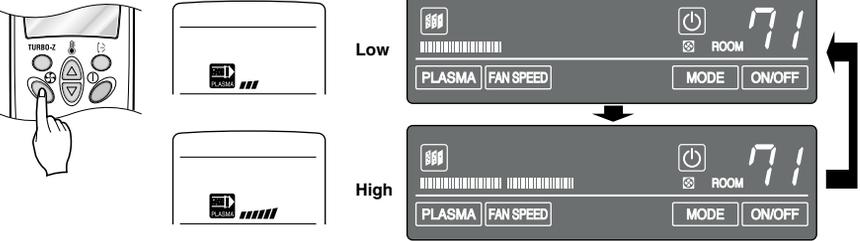
### 1 Air Purifying Operation only

**1** Press(Touch) the Plasma Air Purifying Operation.



(Operation will start when the button is pressed, and stop when the button is pressed again.)

**2** Select Fan speed.  
The display shows low fan speed at the initial condition.



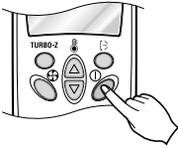
- You can operate the Plasma Air Purifying under the unit operation of cooling, soft dry or Auto operation mode.

### 2 Air Purifying Operation with Cooling or any other Operation.

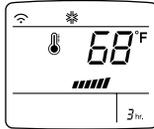
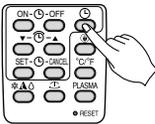
1. Press(Touch) the on/off Button (Key)
2. Select the desire Operation mode.
3. Press(Touch) the Plasma Air Purifying Operation button(key)
4. Set the fan speed.

## OFF Timer Setting Procedure(OFF TIMER Setting, or CANCEL)

**1** Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



**2** Press the Timer Button.

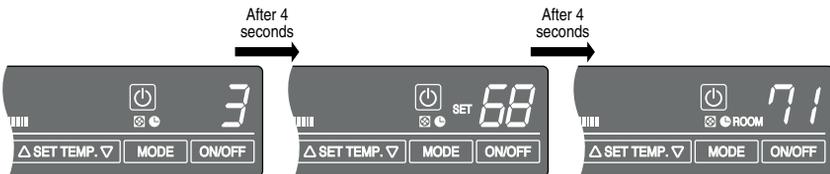


- If you press the button, the selected off timer is displayed as follows;

1 → 2 → 3 → 4 → 5 → 6 → 7 → 0

- If you select '0', the Off Timer function will be cancelled.

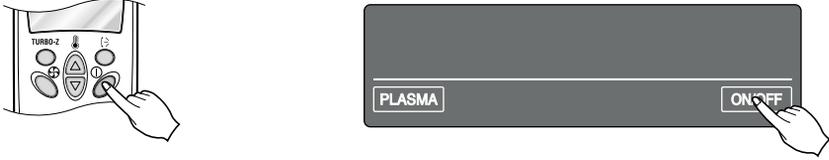
**3** When you finish the Off Timer setting, the Timer indicator lights off.



**4** During off-timer operation if you press the Timer Button, the rest time will be displayed.

**°C ↔ °F switching button**

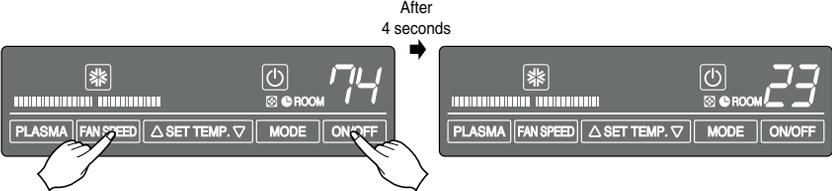
**1** Press the on/off button.(or touch the anyplace of touch panel and touch the on/off key)



The diagram shows two views of the air conditioner's control interface. On the left, a hand is shown pressing the 'ON/OFF' button on a physical control panel. On the right, a hand is shown touching the 'ON/OFF' button on a touch panel. The touch panel also displays the word 'PLASMA' on the left side.

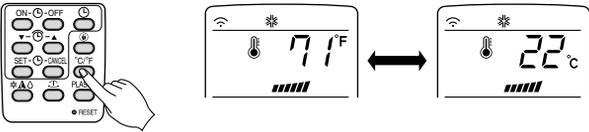
**2** Touch the fan speed and on/off keys simultaneously for 3 seconds.  
The unit will respond with beep.

After 4 seconds



The diagram illustrates the process of switching temperature units. It shows two states of the touch panel. In the first state, the temperature display shows '74'. A hand is shown touching the 'FAN SPEED' and 'ON/OFF' buttons simultaneously. An arrow labeled 'After 4 seconds' points to the second state, where the temperature display now shows '23'. The touch panel also displays 'PLASMA', 'FAN SPEED', '△ SET TEMP. ▽', 'MODE', and 'ON/OFF' buttons.

**3** °C ↔ °F switching button



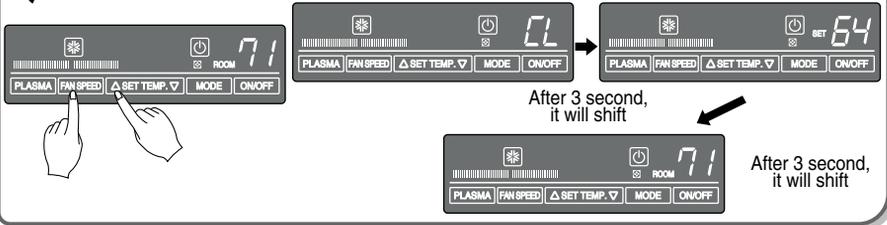
The diagram shows the physical control panel on the left, with a hand pressing the '°C ↔ °F' button. To the right, two touch panels are shown side-by-side, connected by a double-headed arrow. The left touch panel displays '71°F' and the right touch panel displays '22°C'. Both touch panels also show a Wi-Fi icon, a fan speed icon, and a battery level indicator.

**Auto restart**

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

## Child Lock Operation Procedure

- 1** Touch the fan speed and high temperature setting keys simultaneously for 3 seconds. The unit will respond with beep.

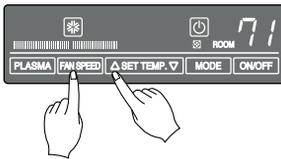


## 2 During Child Lock Operation

- ❶ Whenever you Touch any key on Touch panel, it will immediately display “CL”, which means Touch panel is Locked.
- ❷ All the key on the indoor unit Touch panel will not work.
- ❸ But the key on the remote controller will work.

## 3 For releasing child lock Operation

Touched the fan speed and high temperature setting keys simultaneously for 3 seconds again. The unit will respond with beep, Child Lock Operation will removed.



## Auto restart

In case the power comes on again after a power failure, Auto Restarting Operation is the function to operate procedures automatically to the previous operating conditions.

**Additional features**

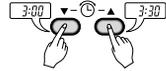
**Setting the Time**

**1** Time can be set only when you have pressed the Reset button. If you have just replaced the batteries, the Reset button should be pressed to reset the time.

Press the Start/Stop button.



**2** Press the Time Setting buttons until the desired time is set.



**3** Press the Timer SET button.



**Note:** Check the indicator for A.M. and P.M.

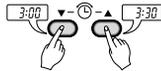
**Delay Start/Pre-Set Stop**

**1** Make sure the time is set correctly on the remote control display.

**2** Press the ON/OFF Timer buttons to turn Timer on or off.



**3** Press the Time Setting buttons until the desired time is set.



**4** Press the selected on/off setting by pressing the Timer SET button while aiming the remote control at the signal receptor.



**To cancel the setting the timer.**



Press the Timer Cancel button while aiming remote control at the signal receptor. (The timer lamp on the air conditioner and the display will go out.)

**NOTE:** Select one of the following four types of operation.

with the unit running



Delay OFF Timer



Delay ON Timer



Delay OFF and ON Timer



Delay ON and OFF Timer

# Maintenance and Service

## Indoor Unit



**WARNING:** Turn off the breaker and the unit before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

**NOTICE** Supply power must be disconnected before cleaning the indoor unit.

### How to Clean Plasma Deodorant Air Cleaner

At the smoking area, it is better to clean more than once in a month, otherwise in the other places, once in every 3 months will be good.

- For safety, unplug prior to cleaning.

#### 1. Pull out the knob of air inlet.

The antibiotic filter should be clean without disassembly as it is united with air inlet.

#### 2. Remove off green tape on the surface of plasma air cleaner and then pull out the knob of cleaner.

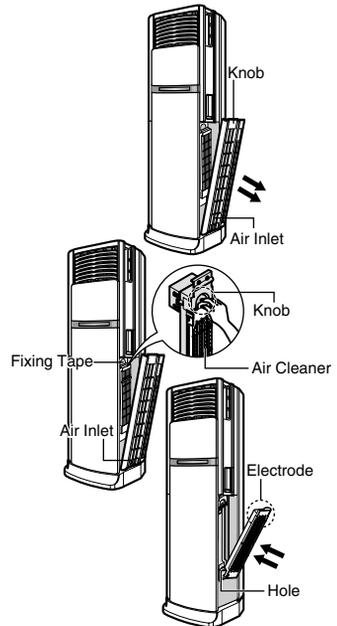
The plasma air cleaner is located on the inner side of right air cleaner.

#### 3. Soak the plasma deodorant air cleaner in the mixed detergent water for 1 to 2 hours and clean it throughout.

For serious contamination, soak it for 3 to 4 hours.

#### 4. Dry it in the shade throughout and insert its electrode into the spring correctly. Close the inlet.

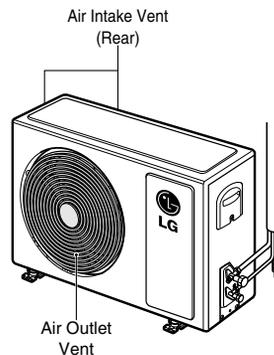
- When the inner side color of air cleaner changes into yellowish, dry it under the sunlight.
- When you insert plasma deodorant air cleaner, be cautious not to bounce the spring.
- After water cleaning, dry it throughout in a shade to prevent trouble.



## Outdoor Unit

The heat exchanger coils and panel vents of the outdoor unit should be checked regularly. If clogged with dirt or soot, the heat exchanger and panel vents may be professionally steam cleaned.

**NOTICE** Dirty or clogged coils will reduce the operating efficiency of the system and cause higher operating costs.



## Filter Cleaning

Please clean it once in a week.

### 1. Pull the knob of air inlet out.

The antibiotic filter should be clean without disassembly as it is united with air inlet.

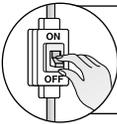
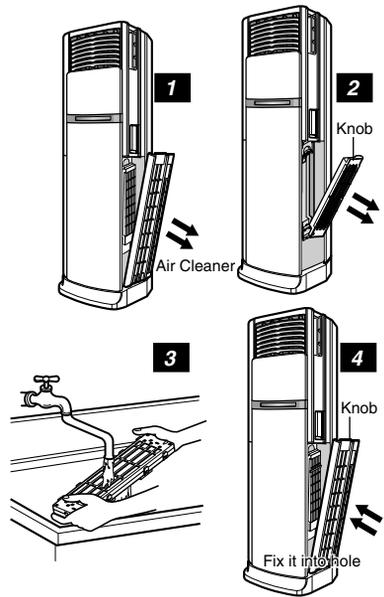
Lift the front panel. After lifting up the filter tab a bit, take the filter out slowly

### 2. Clean it with the vacuum cleaner or brush off dust.

When the contamination is serious, wash out with a neutral detergent

(Do not use hot water over 104°F). Dry it in the shade, avoiding fire or not to be exposed direct to the sun.

### 3. Fix the air inlet with filter into the hole of inlet.



- For safety, unplug prior to cleaning.
- Dusty filter gives bad effects on cooling performance to cause high electricity cost, so that you'd better clean it once in a week.

## Common Problems and Solutions

### Before calling for service

If you have problems with your air conditioner, read the following information and try to solve the problem. If you cannot find a solution, turn off the air conditioner and contact your dealer.

#### Air conditioner does not operate

1. Ensure that the air conditioner is plugged into a proper outlet.
2. Check the fuse or circuit breaker.
3. Check whether the voltage is unusually high or low.

#### Air does not feel cold enough on the cooling setting

1. Ensure that the temperature settings are correct.
2. Check to see if the air filter is clogged with dust. If so, replace the filter.
3. Ensure that the air flow from the outside is not obstructed and that there is a clearance of over 20" between the back of the air conditioner and the wall or fence behind it.
4. Close all doors and windows and check for any source of heat in the room.



Before calling for service, please review the following list of common problems and solutions.

#### The air conditioner is operating normally when:

- You hear a pinging noise. This is caused by water being picked up by the fan on rainy days or in highly humid conditions. This feature is designed to help remove moisture in the air and improve cooling efficiency.
- You hear the thermostat click. This is caused by the compressor cycle starting and stopping.
- You see water dripping from the rear of the unit. Water may be collected in the base pan in highly humid conditions or on rainy days. This water overflows and drips from the rear of the unit.
- You hear the fan running while the compressor is silent. This is a normal operational feature.

## Troubleshooting

The air conditioner may be operating abnormally when:

Problem	Possible Causes	What To Do
Air conditioner does not start	■ The air conditioner is unplugged.	• Make sure the air conditioner plug is pushed completely into the outlet.
	■ The fuse is blown/circuit breaker is tripped.	• Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	■ Power failure.	• If power failure occurs, turn the mode control to Off. When power is restored, wait 3 minutes to restart the air conditioner to prevent tripping of the compressor overload.
Air conditioner does not cool as it should	■ Airflow is restricted.	• Make sure there are no curtains, blinds, or furniture blocking the front of the air conditioner.
	■ The thermostat may not be set high enough.	• Push the button to a higher number. The highest setting provides maximum cooling.
	■ The air filter is dirty.	• Clean the filter at least every 2 weeks. See the care and Maintenance section.
	■ The room may have been hot.	• When the air conditioner is first turned on, you need to allow time for the room to cool down.
	■ Cold air is escaping.	• Check for open furnace floor registers and cold air returns.
	■ Cooling coils have iced up.	• See Air Conditioner Freezing Up below.
Air conditioner freezing up	■ Ice blocks the air flow and stops the air conditioner from cooling the room.	• Set the mode control at High Fan or High Cool with setting temperature is high.

\* You can refer to the Energy Star program in detail at [www.energystar.gov](http://www.energystar.gov).

# Celsius(°C) ↔ Fahrenheit (°F) Convert Table

°C	°F	°C	°F
0	32	26	78
1	33	26	79
1	34	27	80
2	35	27	81
2	36	28	82
3	37	28	83
3	38	29	84
4	39	29	85
4	40	30	86
5	41	31	87
6	42	31	88
6	43	32	89
7	44	32	90
7	45	33	91
8	46	33	92
8	47	34	93
9	48	34	94
9	49	35	95
10	50	36	96
11	51	36	97
11	52	37	98
12	53	37	99
12	54	38	100
13	55	38	101
13	56	39	102
14	57	39	103
14	58	40	104
15	59	41	105
16	60	41	106
16	61	42	107
17	62	42	108
17	63	43	109
18	64	43	110
18	65	44	111
19	66	44	112
19	67	45	113
20	68	46	114
21	69	46	115
21	70	47	116
22	71	47	117
22	72	48	118
23	73	48	119
23	74	49	120
24	75	49	121
24	76	50	122
25	77		

