



website <http://www.lgservice.com>

LG

LG Floor Standing-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 61000-3 Norm).

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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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.

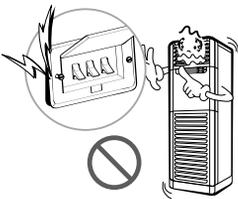
	Be sure not to do.
	Be sure to follow the instruction.

⚠ 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.



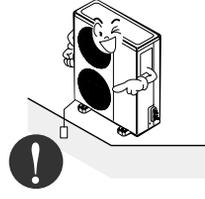
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- 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.



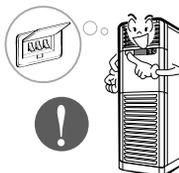
Install the panel and the cover of control box securely.

- 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.

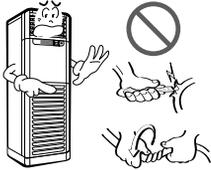
- There is risk of fire or electric shock.



Safety Precautions

Do not modify or extend the power cable.

- 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.



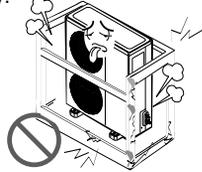
Do not install the product on a defective installation stand.

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



Be sure the installation area does not deteriorate with age.

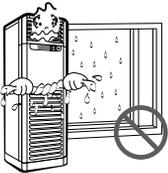
- If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.



■ Operation

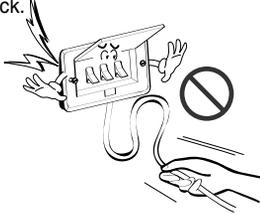
Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open.

- Moisture may condense and wet or damage furniture.



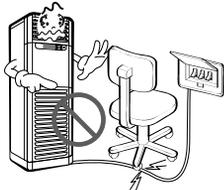
Take care to ensure that power cable could not be pulled out or damaged during operation.

- There is risk of fire or electric shock.



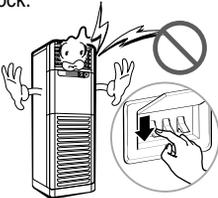
Do not place anything on the power cable.

- 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.



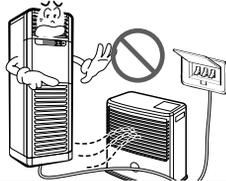
Do not touch (operate) the product with wet hands.

- 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.



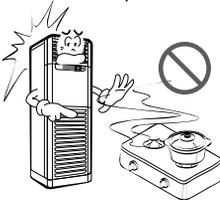
Do not use the product in a tightly closed space for a long time.

- 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



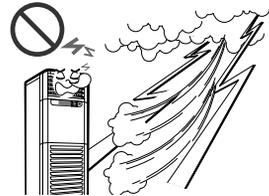
If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable.

- 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 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.



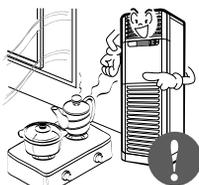
Be cautious that water could not enter the product.

- 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.



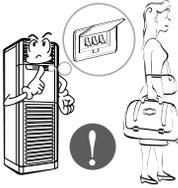
Turn the main power off when cleaning or maintaining the product.

- 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.

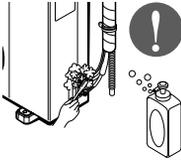


CAUTION

Installation

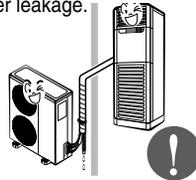
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



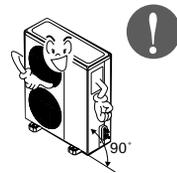
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



Keep level even when installing the product.

- To avoid vibration or water leakage.



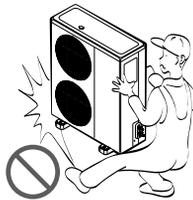
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.



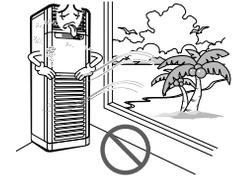
Use two or more people to lift and transport the product.

- 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.



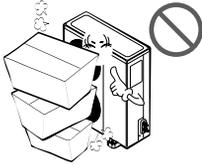
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- 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.



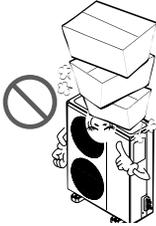
Do not touch the metal parts of the product when removing the air filter. They are very sharp!

- 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.



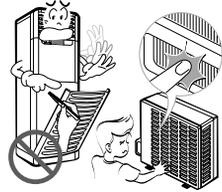
Always insert the filter securely. Clean the filter every two weeks or more often if necessary.

- 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.



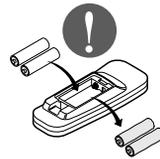
Use a firm stool or ladder when cleaning or maintaining the product.

- 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.

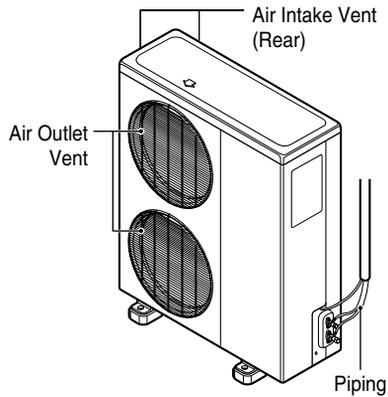
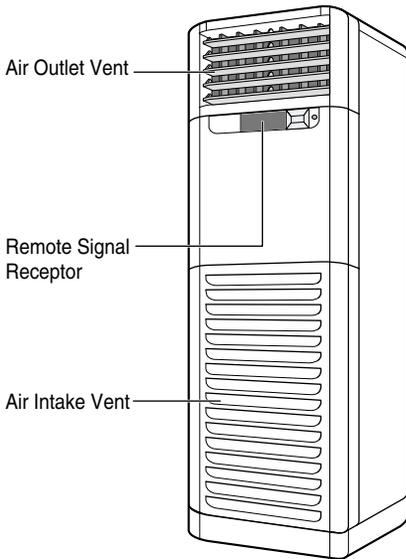
- The chemicals in batteries could cause burns or other health hazards.



Operating Instructions

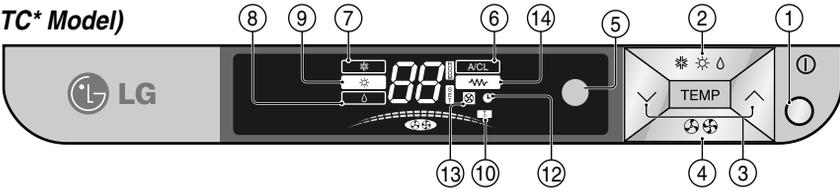
Features and Specifications

- 1. Design for cooling and heating
- 2. Super energy efficiency
- 3. Micom control
- 4. Whisper quiet operation
- 5. Wireless remote control
- 6. 2 cooling/heating speeds
- 7. Removable air filter
- 8. Anti-Bacteria filter
- 9. 3 minutes delay circuit

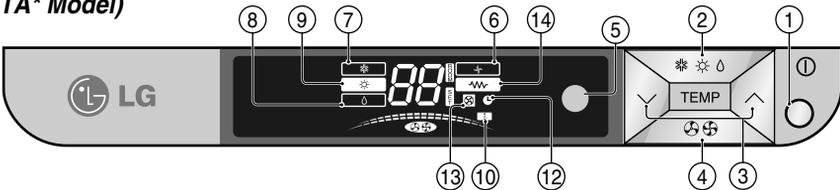


Indoor Unit Controls and Indicators

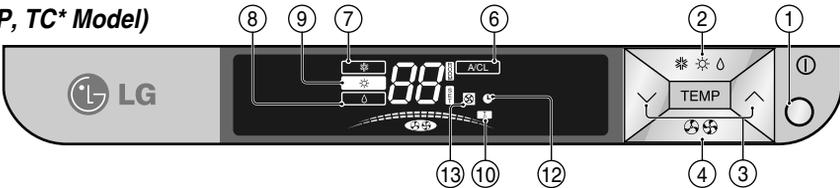
(Z, TC* Model)



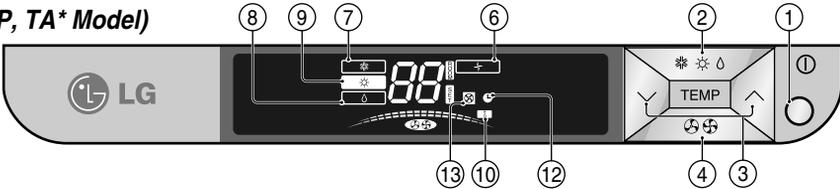
(Z, TA* Model)



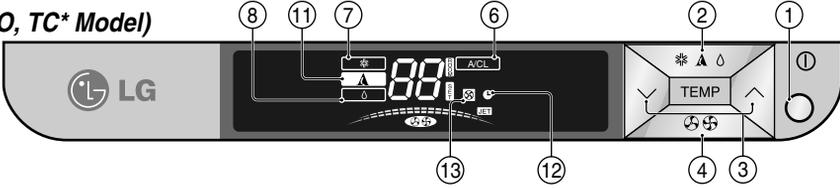
(H/P, TC* Model)



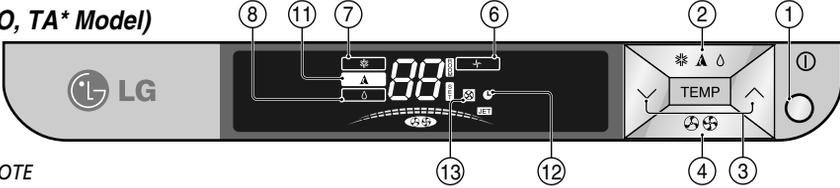
(H/P, TA* Model)



(C/O, TC* Model)



(C/O, TA* Model)



* NOTE

Z : HEAT PUMP +HEATER
 H/P : HEAT PUMP
 C/O : COOLING ONLY

Indoor Unit Controls and Indicators

1. START/STOP BUTTON

Operation starts when this button is pressed and stops when the button is pressed again.

2. OPERATION MODE SELECTION BUTTON

Used to select the operation Mode.

3. ROOM TEMPERATURE SETTING BUTTONS

Used to select the room temperature.

4. INDOOR FAN SPEED SELECTION

Used to select fan speed in two steps-low, med.

5. HEATER OPERATION BUTTON

6. AIR CLEANER OPERATION LAMP (TC* MODEL) FAN OPERATION LAMP(TA* MODEL)

7. COOLING OPERATION LAMP

8. SOFT DRY OPERATION LAMP

9. HEATING OPERATION LAMP

10. DEFROST OPERATION LAMP

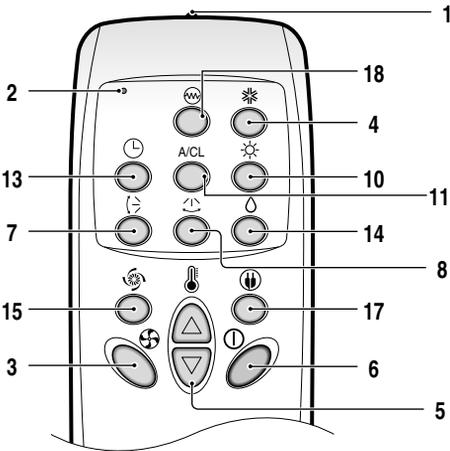
11. AUTO OPERATION LAMP

12. OFF TIMER OPERATION LAMP

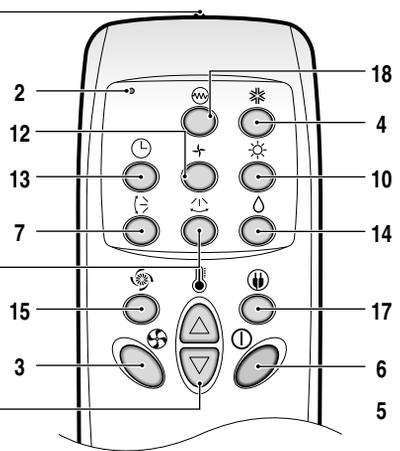
13. OUTDOOR UNIT OPERATION LAMP

14. ELECTRIC HEATER OPERATION LAMP

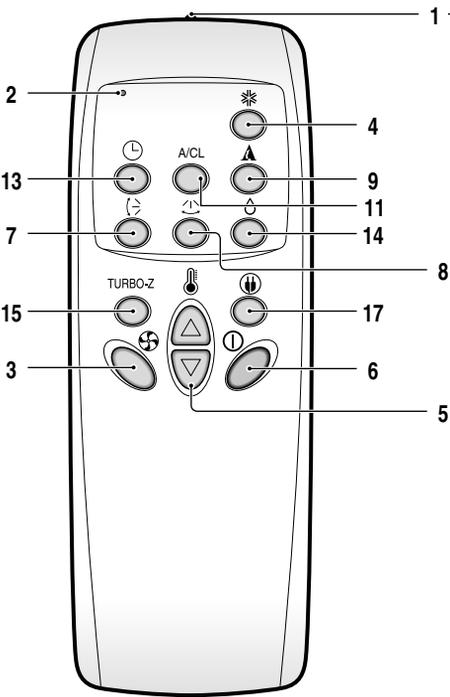
Remote-Controller for MODEL



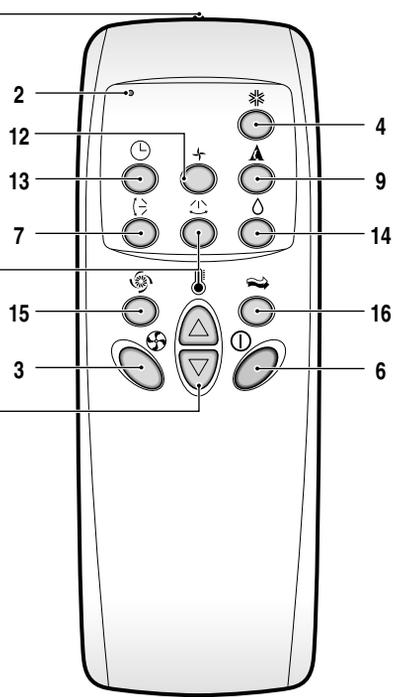
(Z,H/P, TC* Model)



(Z,H/P, TA* Model)



(C/O, TC* Model)



(C/O, TA* Model)

Name and Function-Remote Control

1. Signal Transmitter

- Transmits the signals to the floor standing type air conditioner

2. Operation Display of the Remote Control

3. Indoor Fan Speed Selection Button

- To select the desired fan speed in two steps [Low, Mid]

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. Auto Airfloor Direction Control Button

- The horizontal louvers swing up and down.

8. Auto Airflow Direction Control Button

- The vertical louvers swing left and right.

9. Auto Operation Mode Button (Cooling Only Model)

10. Heating Button (Heat Pump Model)

11. Plasma Air purifying Button

12. Indoor Fan Operation Button

13. Timer Set Button

- Each time the button is pressed, the mode is changed in the following process.
Time set (1, 2, 3, 4, 5, 6, 7 hours)
If you select "0" the off Timer function will be cancelled.

14. Soft Dry Operation Button

15. JET Cool Operation Button

- (If you select JET Cool Operation Button, display shows "Po")

16. Auto Air Flow Operation Button(No application)

17. ENERGY Saving Operation Button(No application)

18. Electric Heater On/Off Button (Heat pump & Heater Model only)

Wireless Remote Control Puts all functions at your fingertips

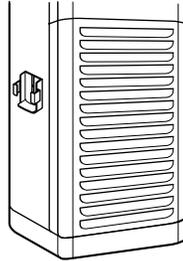
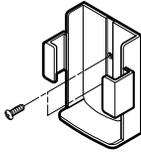
Handling the remote control

- Aim at the signal receptor on the floor standing type 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.

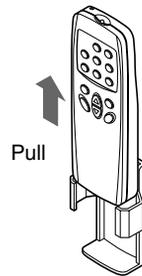
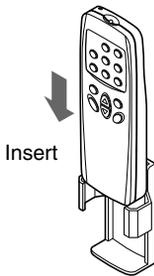
Remote Control Preparation

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.

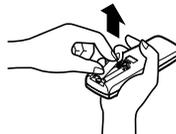


2. To insert the remote control to the holder.



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.

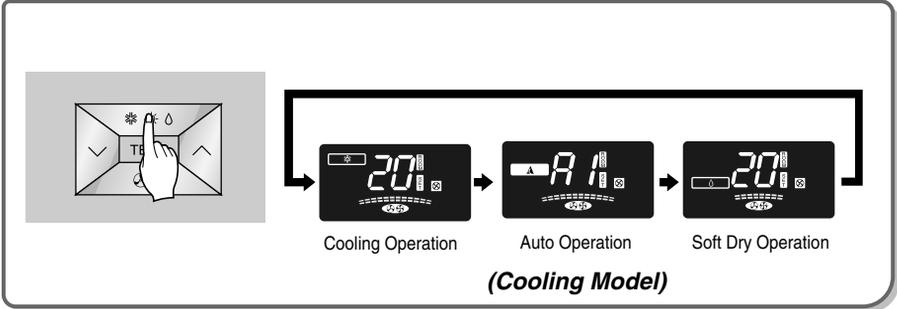
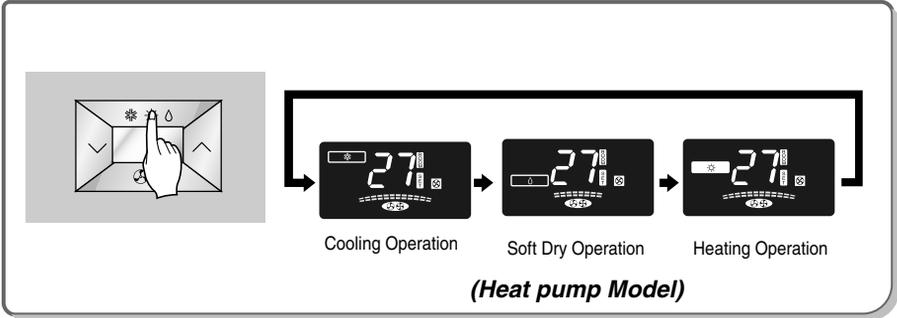


- Do not use rechargeable batteries such as different from standard dry cells in shape, dimensions, and performance.

- Change the batteries with a new one if the remote control does not work properly after using for an extended length of time.

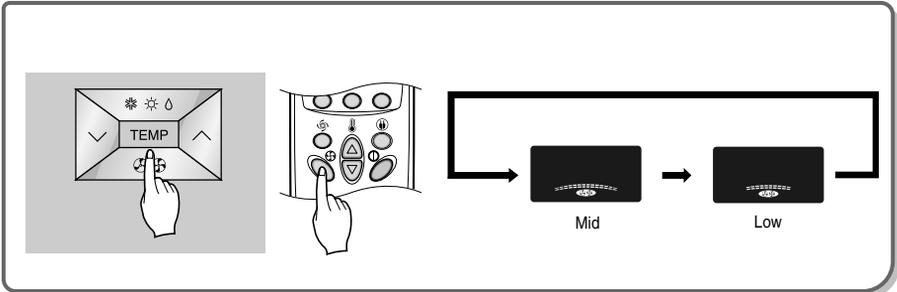
How to use the Operation Mode Button

- Each time the Operation Mode Selection Button is pressed, the Operation Mode is shifted in the arrow direction.



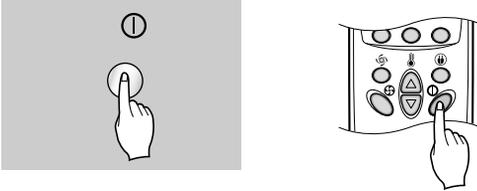
How to use the Fan speed Button

- Each time the Fan speed Button is pressed, the Fan speed is shifted in the arrow direction.

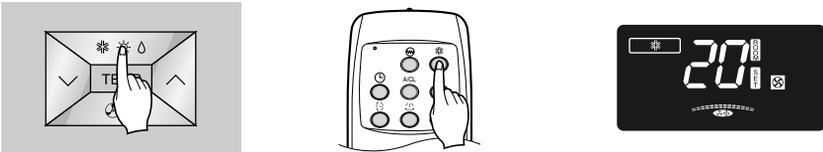


Cooling Operation Mode

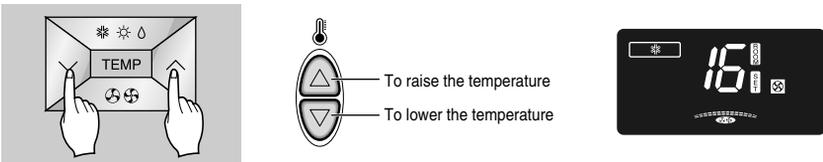
- 1** Press the Start/Stop Button.



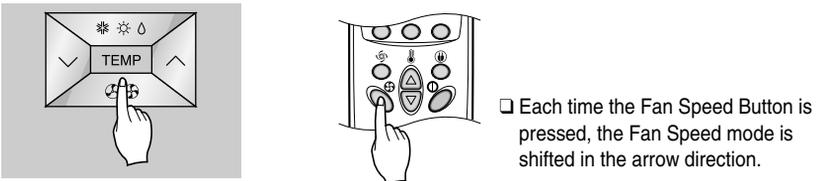
- 2** Select **Cooling Operation**.
Press the Operation Mode Selection Button.
Press the Cooling Operation Button on the remote controller.



- 3** Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

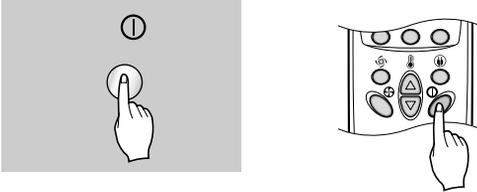


- 4** Set the Fan Speed.

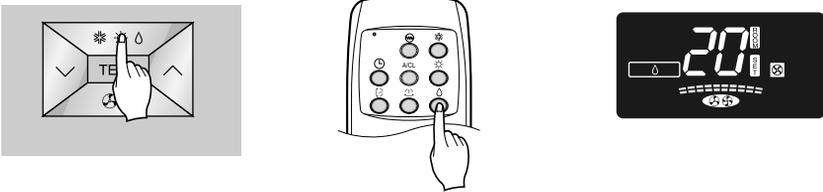


Soft Dry Operation

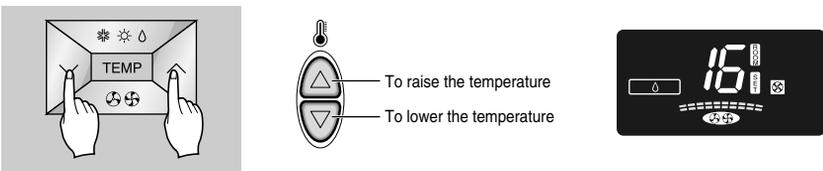
1 Press the Start/Stop Button.



2 Select **Soft Dry** Operation.
Press the Operation Mode Selection Button.
Press the Soft Dry Operation Button on the remote controller.



3 Set the temperature lower than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.



During softy Dry Operation

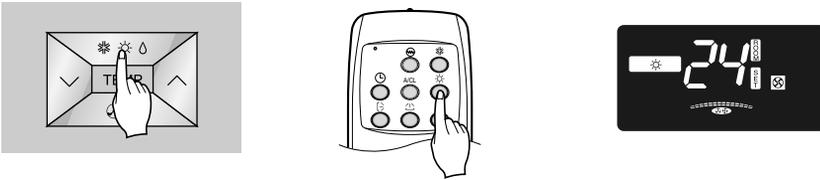
- The indoor fan speed is automatically set to low and can be set fan speed.

Heating Operation Mode(Heat Pump Model)

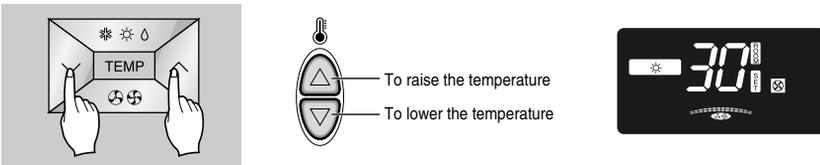
- 1** Press the Start/Stop Button.



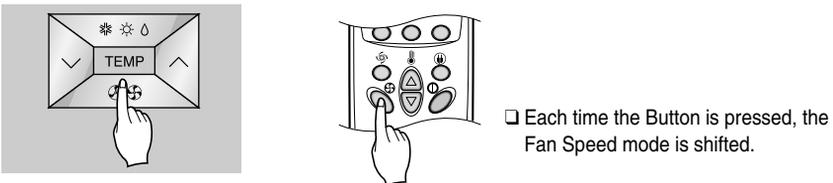
- 2** Select heating Operation.
Press the Operation Mode Selection Button.
Press the heating Operation Button on the remote controller.



- 3** Set the temperature upper than the room temperature.
The temperature can be set within a range of 16°C~30°C by 1°C.

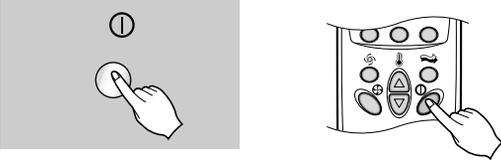


- 4** Set the Fan Speed.

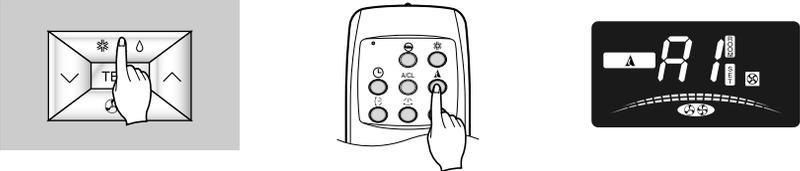


Auto Operation Mode(Cooling Model Only)

1 Press the Start/Stop Button.



2 Select Auto Operation.
Press the Operation Mode Selection Button.
Press Auto Operation Button.



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. (When you feel too cool or cold)

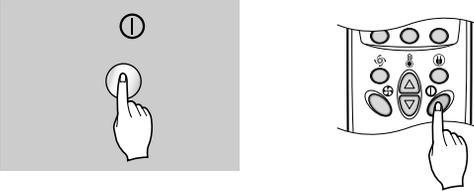
— To lower the temperature. (When you feel too warm or hot)

During Auto Operation

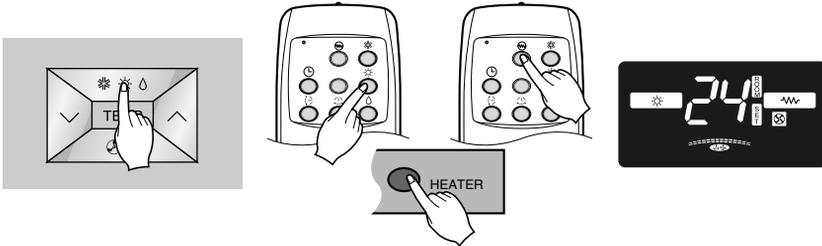
- It is impossible to switch the indoor fan speed because of being already set to the best conditioner by fuzzy rule.

Electric Heater Operation Mode(Heat pump & Electric heater product only)

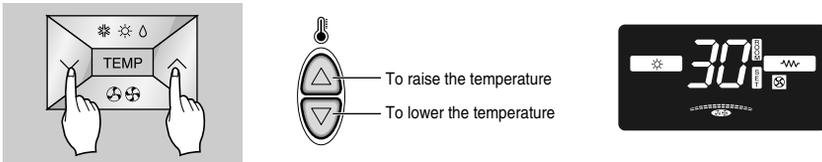
1 Press the Start/Stop Button.



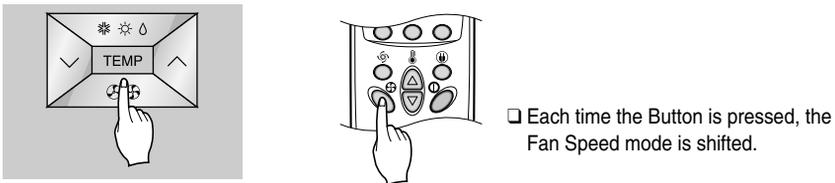
2 Select heating Operation by pressing the Operation Mode Selection button. Press the Heater Operation Button on the remote controller.



3 Set the temperature upper than the room temperature. The temperature can be set within a range of 16°C~30°C by 1°C.

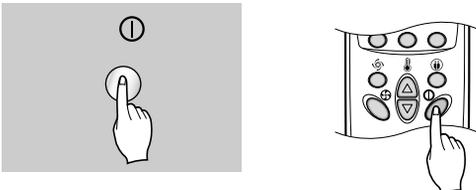


4 Set the Fan Speed.



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

1 Press the Start/Stop Button.



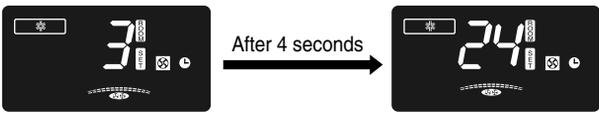
2 Select Function.

3 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.

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



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

Plasma Air Purifying Operation Procedure(TC* MODEL)

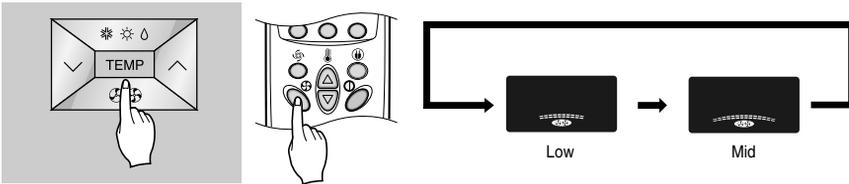
1 Air Purifying Operation only

- 1** Press the Plasma Air Purifying Operation Start/Stop Button.



(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.



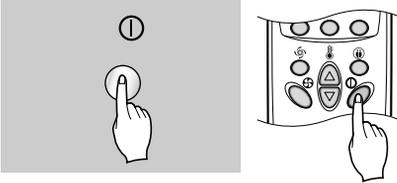
- You can operate the Plasma Air Purifying under the unit operation of cooling, heating, soft dry or Auto mode.

2 Air Purifying Operation with Cooling or any other Operateion.

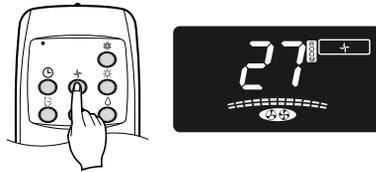
1. Press the Start/Stop Button.
2. Select the desired Operation Mode.
3. Press the Plasma Air Purifying Operation ON/OFF Button.
4. Set the fan speed.

Fan Operation Mode(TA* MODEL)

1 Press the Start/Stop Button.



2 Press Fan Operation Button.



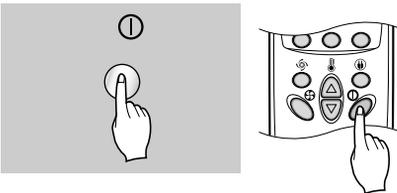
3 Set the Fan Speed.



□ Each time the Button is pressed, the Fan Speed mode is shifted.

Airflow Direction Procedure

1 Press the Start/Stop Button.



(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.

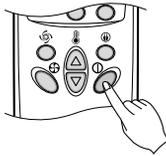
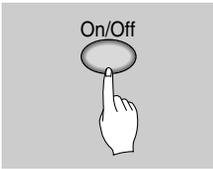


Press the Airflow Direction Control Button again to set the Vertical louver at the desired airflow direction.

The vertical louver swing left and right.
The horizontal louver swing up and down.

Jet Cool Operation

1 Press the Start/Stop Button.



2 Press the **Jet Cool** button to operate the speed cooling mode and the unit will operate in high fan speed on cooling mode.

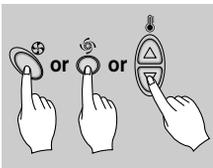


(Z,H/P Model)



(C/O Model)

3 To cancel the **Jet Cool** mode, press the **Jet Cool** button again or the fan speed button or the room temperature setting button and the unit will operate in mid fan speed on cooling mode.

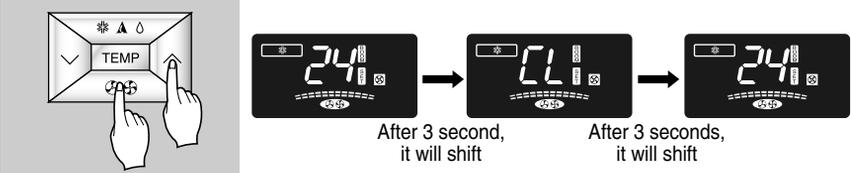


NOTE:

- ❑ During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed setting the room temp. automatically to 18°C. It is especially used to cool the room temp. in the shortest time in a hot summer.
In heat pump mode or neuro fuzzy mode however, the JET COOL function is not available.
- ❑ In order to return to the normal cooling mode from the JET COOL mode, you just press either the operation mode selection button, airflow volume selection or temp. setting button or the JET COOL button again.

Child Lock Operation Procedure

- 1** Press the fan speed button and High temperature setting buttons simultaneously for 3 conds. The unit will respond with beep.

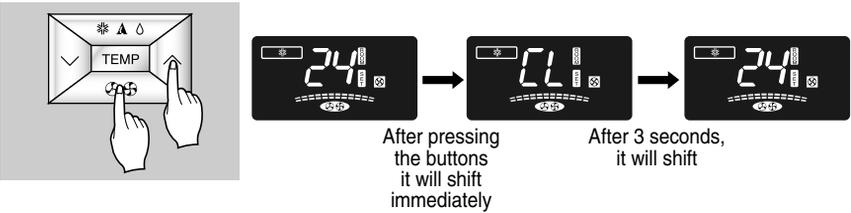


2 During Child Lock Operation

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

3 For releasing child lock Operation

- Press the fan speed button and High temperature setting buttons simultaneously for 3 conds. 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.

Maintenance and Service

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

During the season

Cleaning of the air filters. Recommended about once every two weeks

- 1** Remove the Air Filter.
Take hold of the tab and pull slightly forward to remove the filter.
- 2** Clean.
 - To remove the dust adhering to the filters, either use a vacuum cleaner, or wash them in water and dry in the shade.
 - Re-insert the filter to the original position.

Cleaning of the air conditioner

- Don't wash with water.
- Wipe with a soft dry cloth.

Cleaning of the air cleaner. Recommended about once every three months

- 1** Remove the Air Cleaner.
Take hold of the tab and pull slightly forward to remove the air cleaner.
- 2** Clean.
 - Dip the air cleaner into the water mixed with detergent, for 20-30 minutes, and dry in the shade.
 - Re-insert the air cleaner to the original position.

Never use any of the followings.

- Water hotter than 40°C.
Could cause deformation and/or discoloration.
- Volatile substances.
Could damage the surfaces of the air conditioner.

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

At the end of the season

- 1** Operate the air conditioner at the following settings for 2 to 3 hours.
 - Type of operation : Cooling.
 - Temperature setting : 30°C.
 This will dry out the internal mechanisms.
- 2** Remove the batteries from the Remote Control.
- 3** Turn off the circuit breaker.



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.

At the start of the season

- 1** Clean the air filters, re-insert, then operate the air conditioner.
- 2** Be sure that nothing obstructs the air outlet and intake vents.

Operation Tips

Do not overcool the room.

This is not good for your health and wastes electricity.

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.

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. Clean at least once every two weeks.

Keep the room temperature uniform.

Adjust the vertical and horizontal airflow direction to ensure a uniform temperature 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.

Troubleshooting

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

Case	Explanation	See page
Does not operate.	<ul style="list-style-type: none"> • Have you made a mistake in timer operation? 	
	<ul style="list-style-type: none"> • Has the fuse blown or has the circuit breaker been tripped? • Is the power Switch at Off? • Is the unit at the starting of Heating Operation? If yes, Hot-start is activating. • Is the unit in the Deicing? If yes, wait for finishing the Deicing. 	-
The room has a peculiar odor.	<ul style="list-style-type: none"> • 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.	<ul style="list-style-type: none"> • Condensation occurs when the airflow from the air conditioner cools the warm room air. 	-
Air conditioner does not operate for about 3 minutes when restarted.	<ul style="list-style-type: none"> • This is the Protection device of the air conditioner . • Wait about three minutes and operation will begin. • If the airflow begins before its temperature become warm, it will cause an undesired cooling effect. In order to prevent this, the airflow will not begin until it is sufficiently warm. 	
Does not cool or heat effectively.	<ul style="list-style-type: none"> • Is the air filter dirty? See air filter cleaning instructions. 	25
	<ul style="list-style-type: none"> • The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down. 	-
	<ul style="list-style-type: none"> • Has the temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed? 	-
The air conditioner operation is noisy.	<ul style="list-style-type: none"> • For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit. 	-
Remote controller display is faint, or no display at all.	<ul style="list-style-type: none"> • Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions? 	13

