ENGLISH

Package Air Conditioner **OWNER'S MANUAL**

conditioner please read this
ep it for future reference.

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ted fo by the utility
ch prov city (EN 61000-3

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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 of 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 to properties only.

⚠ WARNING

■ **Do not install, remove and re-install the unit by yourself.**
Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work.

⚠ WARNING



• It will cause electrical shock or fire.



• It will cause electrical shock.



• Since the fan rotates at high speed, this may cause an injury or damage the unit.



• This could damage your health.



• If the unit continues to operate in an abnormal condition, it may cause fire, damage, etc. In this case, consult your dealer.



• If this is done incorrectly, it may cause a fire, electric shock, injury by dropping of the unit, water leakage, etc. Consult your dealer.

CAUTION

- 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 infirm persons without supervision.
- The appliance is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the appliance.
- If the supply flexible cord is damaged, it must be replaced by the manufacturer or the manufacturer's service agent or similary qualified person in order to avoid hazard.

⚠ CAUTION



- It may cause an injury.
- Should be disconnected from supply



- Water may enter the unit and degrade the insulation. It may cause an electric shock.



- An oxygen shortage may occur.



- It may cause an electric shock, burning.



- This could injure the pet or plant.



- The unit may drop or fall down and cause an injury.



- It may cause a fire or deformation of the cabinet.



- It may affect combustion.



- It may cause an injury through dropping or falling down.



- It will cause an injury, electric shock by the high voltage.



- If not, dirt may collect and cause a fire.



- It may cause an injury, electric shock by the high voltage.



- Do not use this air conditioner to preserve precision devices, food, animal, plants, and art objects.
  It may cause deterioration of quality, etc.



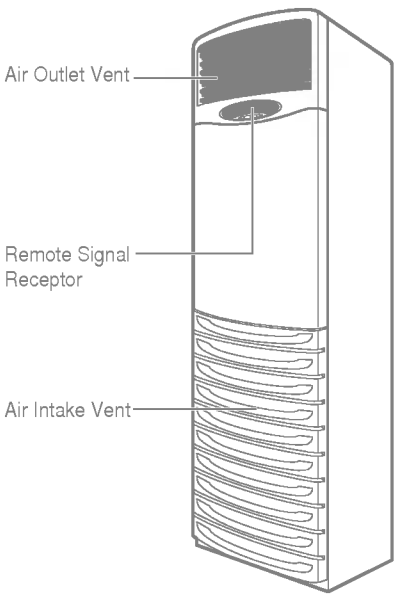
- In the cooling mode, if it is operated in a room with high humidity (80%RH or more) for a long time, water condensed in the air conditioner may drop and may wet and spoil furniture, etc.

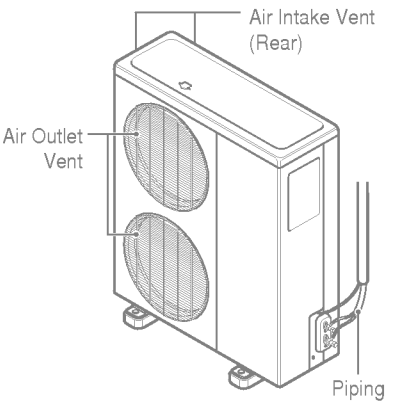
Features and Specifications

Features

- Design for cooling and heating
- Super energy efficiency
- Micom control
- Whisper quiet operation
- Wireless remote control
- 3 cooling/heating speeds
- Removable air filter
- Anti-Bacteria filter
- 3 minutes delay circuit
- Plasma Air purifying System

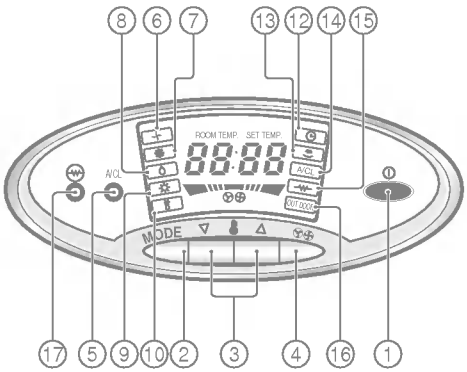
Specifications



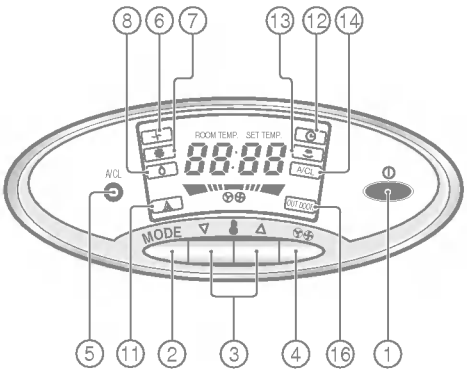


Indoor Unit Controls and Indicators

Display



(Heat Pump Model)

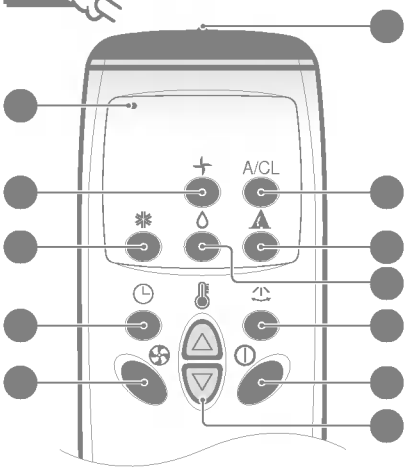


(Cooling Model)

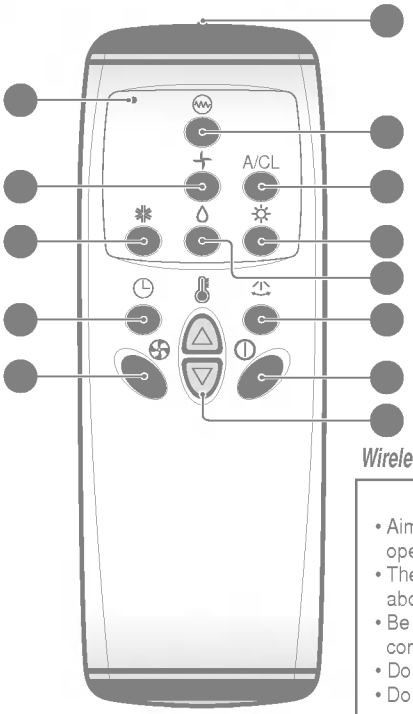
1. **START/STOP BUTTON**
   Operation starts when this button is pressed and stops when the button is pressed again.
2. **OPERATION MODE SELECTION BUTTON**
   Used to select the operation Mode.
3. **ROOM TEMPERATURE SETTING BUTTONS**
   Used to select the room temperature.
4. **INDOOR FAN SPEED SELECTION**
   Used to select fan speed in three steps-low, med, high.
5. **AIR CLEANER OPERATION BUTTON(OPTION)**
   Used to purify the Room air.
6. **FAN OPERATION LAMP**
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. **AUTO AIR FLOW OPERATION LAMP(HORIZONTAL AIR FLOW)**
14. **AIR CLEANER OPERATION LAMP(OPTION)**
15. **ELECTRIC HEATER OPERATION LAMP**
16. **OUT DOOR UNIT OPERATION LAMP**
17. **ELECTRIC HEATER OPERATION BUTTON(OPTION)**

Name and Function-Remote Control

Control



(Cooling Model)



(Heat pump Model)

1. **Signal Transmitter**
   • Transmits the signals to the package air conditioner
2. **Operation Display of the Remote Control**
3. **Indoor Fan Speed Selection Button**
   • To select the desired fan speed in three steps [Low, Med, High]
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 cancelled.
8. **Auto Airflow Direction Control Button**
   • The vertical louvers swing left and right.
   • The horizontal louvers can be adjusted manually.
9. **Auto Mode Operation Button (Cooling Model Only)**
10. **Plasma Air purifying Button (Option)**
11. **Indoor Fan Operation Button**
12. **Heating Button (Heat Pump Model)**
13. **Electric Heater ON/OFF Button (Option)**
14. **Soft Dry Operation Button**

Wireless Remote Control Puts all functions at your fingertips

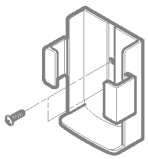
Handling the remote control

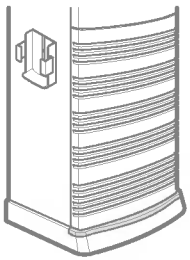
- Aim at the signal receptor on the package air conditioner when operating.
- The remote control signal can be received at a distance of up to about 7meters.
- Be sure that there are no obstructions between the remote control and the signal receptor.
- Do not drop or throw the remote control.
- Do not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

Remote Control Preparation

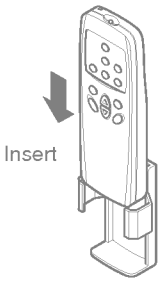
How to mount onto a wall

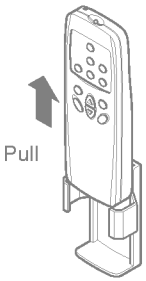
Use the screws to secure the holder to the wall or attach the holder side of indoor unit.





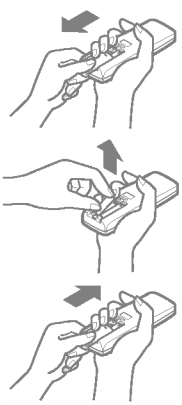
To insert the remote control to the holder.





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.

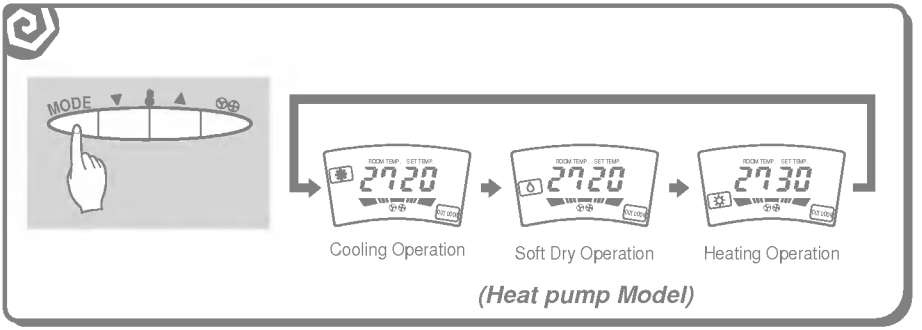


- Do not use rechargeable batteries such batteries as different from standard dry cells in shape, dimensions, and performance.
- Change the batteries with a new one if the remote control does not work properly after using for an extended length of time.

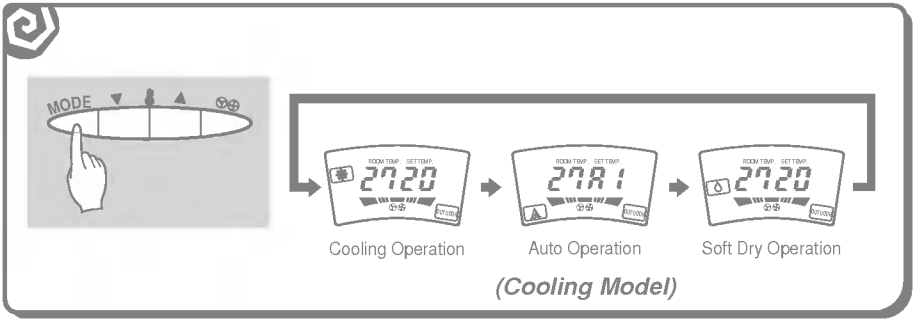
Air conditioner operation

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.



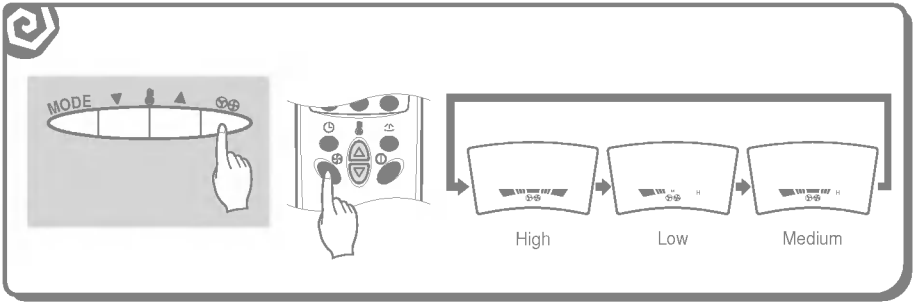
(Heat pump Model)



(Cooling Model)

How to use the Fan speed Button

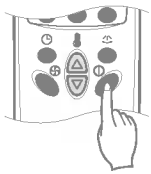
• Each time the Fan speed Button is pressed, the Fan speed is shifted in the arrow direction.



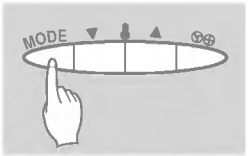
Cooling Operation Mode

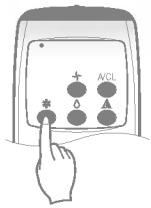
Press the Start/Stop Button.





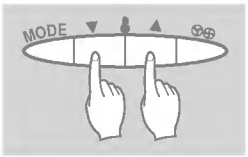
Select **Cooling Operation**.
Press the Operation Mode Selection Button.
Press the Cooling Operation Button on the remote controller.

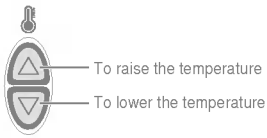






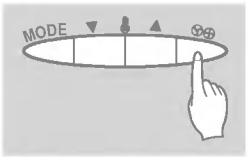
Set the temperature lower than the room temperature.
The temperature can be set within a range of 16℃~30℃ by 1℃.

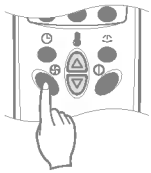






Set the Fan Speed.

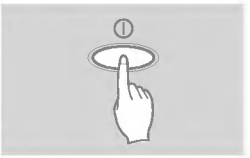


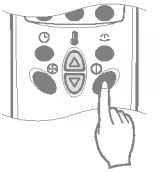


❑ Each time the Fan Speed Button is pressed, the Fan Speed mode is shifted in the arrow direction.

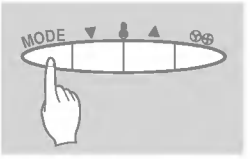
Soft Dry Operation

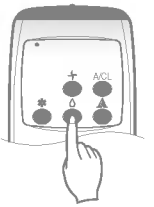
Press the Start/Stop Button.





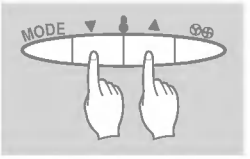
Select **Soft Dry** Operation.
Press the Operation Mode Selection Button.
Press the Soft Dry Operation Button on the remote controller.

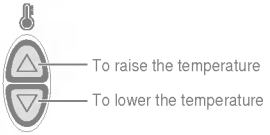






Set the temperature lower than the room temperature.
The temperature can be set within a range of 16℃~30℃ by 1℃.





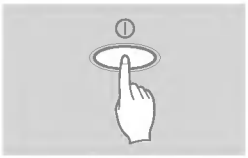


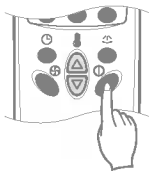
During softy Dry Operation

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

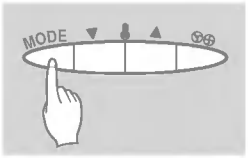
Heating Operation Mode(Heat Pump Model)

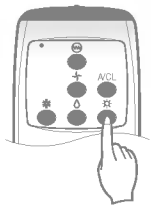
Press the Start/Stop Button.





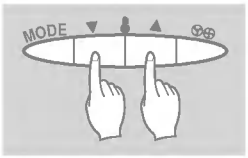
Select heating Operation.
Press the Operation Mode Selection Button.
Press the heating Operation Button on the remote controller.

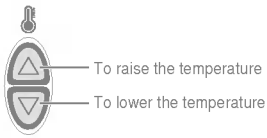






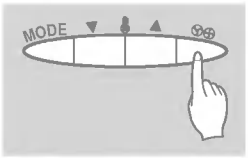
Set the temperature upper than the room temperature.
The temperature can be set within a range of 16℃~30℃ by 1℃.

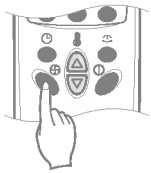






Set the Fan Speed.



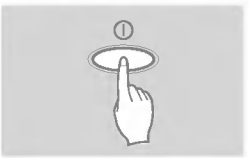


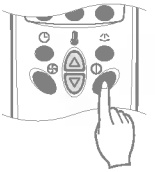
❑ Each time the Button is pressed, the Fan Speed mode is shifted.

Electric Heater Operation Mode(Option)

•This mode is designed to be used wher the unit operate in heating mode
• This mode is option

Press the Start/Stop Button.

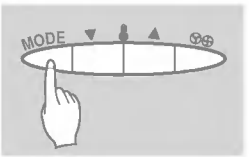


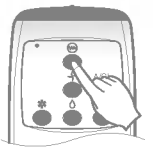


Select heating+ E/heater Operation.

❶ Press the Operation Mode Selection Button to select heating Operation.

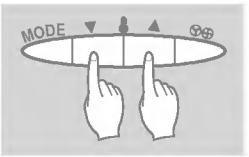
❷ Press the E/Heater Operation Button on the remote controller
(When the unit operates in heating mode).

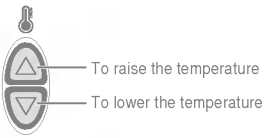






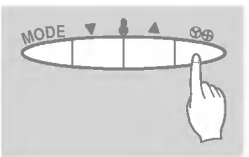
Set the temperature upper than the room temperature.
The temperature can be set within a range of 16℃~30℃ by 1℃.

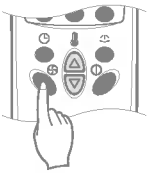






Set the Fan Speed.

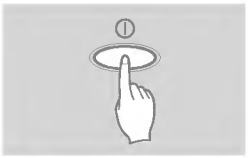


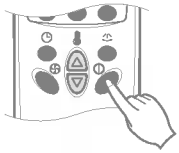


❑ Each time the Button is pressed,
the Fan Speed mode is shifted.

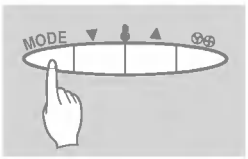
Auto Operation Mode(Cooling Model Only)

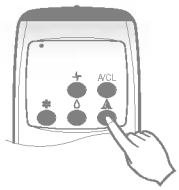
Press the Start/Stop Button.





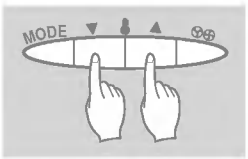
Select Auto Operation.
Press the Operation Mode Selection Button.
Press Auto Operation Button.

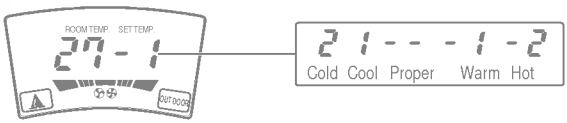






Set the temperature upper or lower than the standard temperature.
The temperature can be set within a range of -2~2 by 1 level.





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



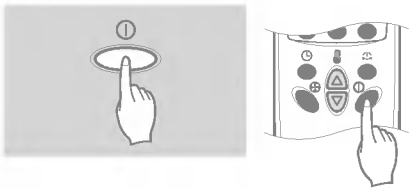
To raise the temperature. (When you feel too cool or cold)
To lower the temperature. (When you feel too warm or hot)

During Auto Operation

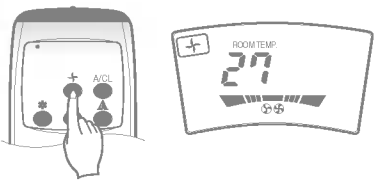
- It is impossible to switch the indoor fan speed because of being already set to the best conditioner by fuzzy rule.

Fan Operation Mode

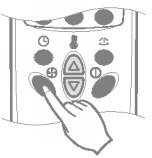
Press the Start/Stop Button.



Press Fan Operation Button.



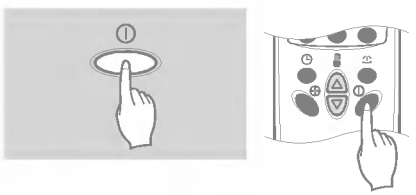
Set the Fan Speed.



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

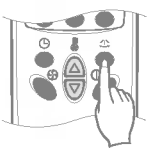
Airflow Direction Procedure

Press the Start/Stop Button.



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

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.

Note

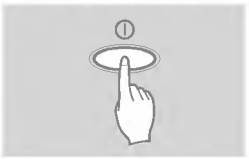
Always use the remote control to adjust the right/left airflow direction, manually moving the vertical airflow direction louver by hand could change the air conditioner.

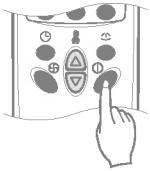
Vertical Airflow Direction Control

Adjust the vertical airflow direction manually by moving the horizontal louvers with hand.

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

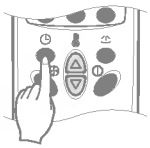
Press the Start/Stop Button.





Select Function.

Press the Timer Button.



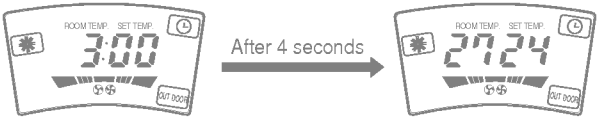


• If you press the button, the selected off timer is displayed as follows;

1:00→2:00→3:00→4:00→5:00→6:00→7:00→0:00

• If you select '0:00', the Off Timer function will be cancelled.

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

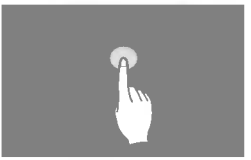


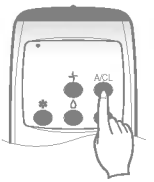
During off-timer operation if you press the Timer Button, the rest time will be displayed.

Plasma Air Purifying Operation Procedure

Air Purifying Operation only

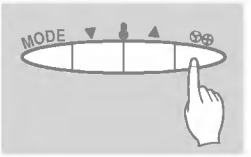
Press the Plasma Air Purifying Operation ON/Off Button.

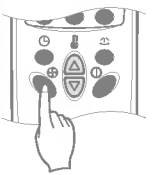


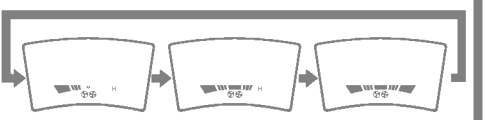


(Operation will start when the Button is pressed, and stop when the button is pressed again.)

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







Low Medium High

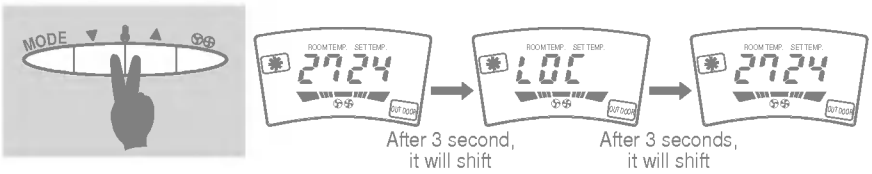
• You can operate the Plasma Air Purifying under the unit operation of cooling, heating, soft dry or Auto mode.

Air Purifying Operation with Cooling, Heating or any other Operation.

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.

Child Lock Operation Procedure

Press the low and high temperature setting buttons simultaneously for 3 seconds.
The unit will respond with beep.



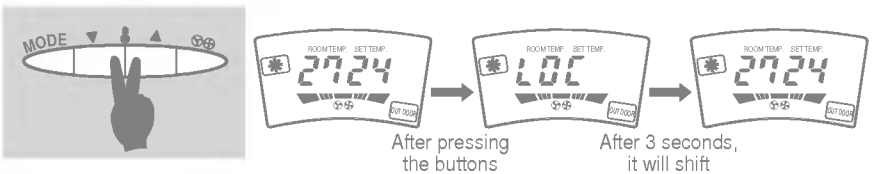
After 3 second, it will shift

After 3 seconds, it will shift

During Child Lock Operation

❶ Whenever you press any Button on Display Panel, it will immediately display "LOC", 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.

For releasing child lock Operation.
Press the low and high temperature setting buttons simultaneously for 3 seconds again.
The unit will rospond with beep, Child Lock Operation will removed.



After pressing the buttons it will shift immediately

After 3 seconds, it will shift

What is Auto Restarting Operation

- In case the power comes on again after a power failure Auto Restarting Operation is designed to operate automatically to the previous operating condition.
- If the power comes to be failure while off-timer operation, Auto Restarting Operation is cancelled and function returns to the previous mode.

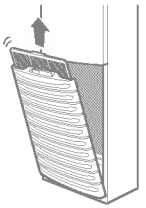
Care and Maintenance

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

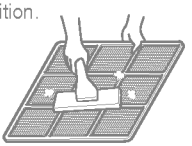
During the season

Cleaning the air filter

1 Remove the Air Filter.
Take hold of the tab and pull slightly forward to remove the filter.

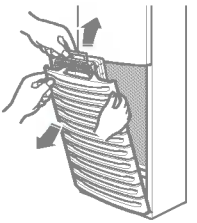


2 Clean.
- To remove the dust adhering to the filters, either use a vacunm cleaner, or wash them in water and dry in the shade.
- Re-insert the filter to the original position.



Cleaning the air cleaner

1 Remove the Air Cleaner.
Take hold of the tab and pull slightly forward to remove the air cleaner.

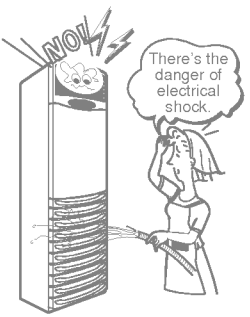


2 Clean.
- Dip the air cleaner into the water mixed with detergent, for 20~30 minutes, and dry in the shade.
- Re-insert the air cleaner to the original position.



Cleaning the air conditioner

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



Avoiding harmful cleaners

- Water hotter than 40℃.
  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 beginning of the season

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

After 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	**Keep blinds or curtains closed**	**Keep the room temperature**
This is not good for your health and wastes electricity.	Do not let direct sunshine enter the room when the air conditioner is in operation.	Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
Make sure that doors and	**Clean the air filter regularly**	**Ventilate the room occasionally**
Avoid opening doors and windows as much as possible to keep the cool air in the room.	Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.	Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

Before you call for service...

Troubleshooting Tips! Save time and money!

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? • 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.	• 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 room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	• 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.	• Is the air filter dirty? See air filter cleaning instructions.	18
	• The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down.	-
	• Has the temperature been set incorrectly? • Are the indoor 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. • 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.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?	7

NOTE

WATER RESISTANT: The outdoor side of this appliance is WATER RESISTANT. The indoor side is not water resistant and should not be exposed to excess water.

NOTE

NOTE



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