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# LG

## LG Multi Type Air Conditioner **OWNER'S MANUAL**

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

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

# ENGLISH

Multi Type Air Conditioner Owner's Manual

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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.

## O 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.
 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 disassemble or repair the product.

Contact your dealer and service center.

Do not handle the flamable gas or explosive materials near the product.

• Otherwise, it may cause fire or failure of product.

Do not install the product on an defected installation stand.

• Otherwise, It may cause injury or accident.

## For installation, always contact the dealer or service center.

• Otherwise, it may cause fire, electric shock, explosion or injury.

For electric work, contact the dealer or service center.

· It will cause fire or electric shock.

Always intstall an circuit breaker and main breaker.

Always earth the product.

• It will cause fire or electric shock.

Do not install where flamable gas could leak.

Otherwise, it may cause esplosion or fire.

Be cautious when unpack and install the product.

Sharp edges could cause injury.

Do not install the product on an defected installation stand.

• Otherwise, It may cause injury or accident.

Do not use damaged power cable.

• It will cause fire or electric shock.

### Operation

Do not touch(operate) product with wet hands.

• Otherwise, it may cause fire or electric shock.

Do not put the heater, etc. near the power cable.

• Otherwise, it may cause fire and electric shock.

Ventilate well in using with a stove, etc.

• Otherwise, an ozygen shortage may occur.

Do not place heavy object on the power cable.

• Otherwise, it may cause fire or electric shock.

Cover the electric part.

• Otherwise, it may cause fire or electric shock.

Do not open the suction inlet of the product during operation.

• Otherwise, it may cause electric shock or failure.

Be cautious that children could not step on the product.

• Otherwise, children may be seriously injured.

Take care to ensure that water could not enter into the product.

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

• Otherwise, it may cause electric shock or fire.

Do not put water into electric part.

• Otherwise, it may cause fire or failure of procuct, and electric shock.

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

• Otherwise, it may cause failure of product or fire.

## When the product is flooded, contact the service center.

• Otherwise, it may cause fire or eletric shock.

Do not turn the breaker on/off or connect/disconnect the power supply plug during operation.

• Otherwise, it may cause fire or electric shock.

Do not touch the metal parts of the product when removing the air filter.

• Otherwise, it may cause personal injury.

Do not step or put anyting on the product.

- Otherwise, it may cause personal injury and failure of product.
- Otherwise, it may cause fire or electric shock.



### Installation -

Always inspect gas leakage after installation and repair of product.

• Otherwise, it may cause failure of product.

#### Do not carry the product by oneself.

• Otherwise it may harm to your health.

## Install the drain hose to ensure that drain can be securely done.

• Otherwise, it may cause water leakage.

#### Keep the level even in installing the product.

• Otherwise, it may cause vibration or water leakage.

Install the product so that noise or hot wind from the outdoor unit. May not give any damage to the neighborhoods.

• Otherwise, it may cause dispute with the neighborhoods.

### Operation

Do not expose your skin directly to cool air for a long time.

• Otherwise, it may harm to your health.

Turn the main power off when cleaning the product.

• Otherwise, it may cause fire and electric shock.

Do not use the product for special purpose to preserve animals, vegetables, precision device, or art objects, etc.

• Otherwise, it may cause loss of property.

Do not place obstacles aroud the flow inlet or outlet.

• Othewise, it may cause failure of product.

Use a soft cloth to clean, Do not use wax, tinner or a strong detergent, etc.

• Otherwise, it may change the apperance of the product.

Do not insert your hand or bars, etc. into the air inlet/outlet.

• Otherwise, it may cause personal injury.

Do not operate the product for a long time in high humidity, and leave a door or window open.

• Otherwise, water may drop and wet or damage furniture, etc.

Replace the 2 batteries with new ones of same type.

## If liquid from the batteries gets onto your skin or clothes, wash it well with clean water.

· Otherwise it may harm to your health.

When flamable gas leakages from the product, open the window for ventilation.

• Otherwise, it may cause explosion or fire.

Do not put a pet or houseplant where it will be exposed to direct air flow.

• This could injure the pet or plant.

Stop operation and close the window in strom or hurricane.

• Otherwise, it may cause failure of product or electric shock.

#### Always insert the filter securly. Clean it once every two weeks.

• Otherwise, it may cause failure of the product.

Do not drink water drained from the product.

• Otherwise, it may harm to your health.

## Do not use the product at the closed space for a long time.

Otherwise, it may cause suffocation due to poor oxygen.

Do not step onto an unstable bench when maintaining the product, etc.

· Otherwise, it may cause personal injury.

## Do not charge or disassemble the batteries and do not throw them into a fire.

• Otherwise, it may cause fire or an explosion.

Use a rated fuse.

· Otherwise, It will cause fire or electric shock.

## **Prior to operation**

## Preparing for operation

- 1. Contact an installation specialist for installation.
- 2. Connect the power cable between indoor unit and outdoor unit properly.
- 3. Use a dedicated circuit.
- 4. If the cord/plug is damaged, replace it with only an authorized replacement part.

### Usage

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

## Cleaning and maintenance

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

## Service

For repair and maintenance, contact your authorized service dealer.

## Symbols Used in this Manual



This symbol alerts you to the risk of electric shock.



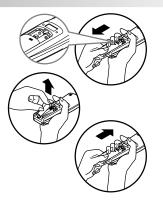
This symbol alerts you to hazards that could cause harm to the air conditioner.

This symbol indicates special notes.

## **Operating Instructions**

## Remote Controller

- Remove the battery cover by pulling it according to the arrow direction.
- Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
- 3) Reattach the cover by sliding it back into position.

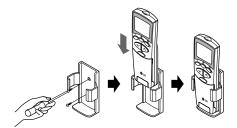


### NOTICE

• Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.

## Storage and Tips For Using the Remote Controller

• The refering to the following picture, fix the remote controller holder onto the wall using screws.



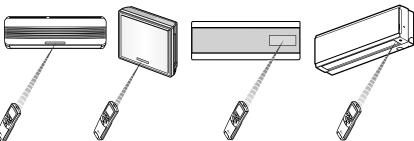
• To operate the room air conditioner, aim the Remote Controller to the signal receptor.

Standard Type



Artcool Type Artcool Deluxe Type

Artcool Mirror Type



### Signal Receptor

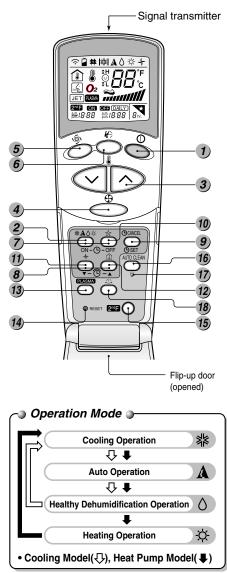
Receives the signals from the remote controller.(Signal receiving sound: two short beeps or one long beep.) **Operation Indication Lamps** On/Off : Lights up during the system operation. (1) <del>ک</del>ر Sleep Mode : Lights up during Sleep Mode Auto operation. ጮ Timer : Lights up during Timer operation. × Defrost Mode : Lights up during Defrost Mode or Hot Start operation (Heat pump model only) Signal receptor OUT OUTDOOR UNIT : Lights up during outdoor unit operation. (Cooling model only) Operation indication lamp DOOR OPERATION Receives the signals from the remote controller.(Signal receiving sound: two short beeps or one long beep.) **Operation Indication Lamps** ſ On/Off : Lights up during the system operation. ☆ : Lights up during Sleep Mode Auto operation. Sleep Mode Φ Timer : Lights up during Timer operation. : Lights up during Defrost Mode or Defrost Mode Hot Start operation.(Heat pump model only) Outdoor unit operation : Lights up during outdoor unit operation. (Cooling model only) Operation indication lamps ))) PLASMA : Indicate PLASMA purifier operation. Each icon shows its own function mode. 貅 **Cooling Mode** Lights up during Cooling operation. (Outline) Auto Operation Mode Lights up during Auto operation. (Outline) A **Healthy Dehumidification** ٥ Lights up during Healthy Dehumidification operation. (Outline) Mode -ờ-Heating Mode Lights up during Heating operation. (Heat Pump model only) (Outline) \* Defrost Mode Lights up during Defrost controller or Hot Start in Heating operation. (Outline) 4 Air circulation Mode Lights up during Air Circulation operation. (Outline) Sleep Mode Lights up during Sleep Mode operation. Timer Lights up during Timer operation. ≈f: Auto Cleaning Mode Lights up during Auto Cleaning reservation. JET COOL Jet Cool Mode Lights up during Jet Cool Operation. PLASMA Plasma Lights up during Plasma operation. Fan Speed (Low) Lights up when Fan speed is low. INTERNET INTERNET Fan Speed (Medium) Lights up when Fan speed is Medium. Internet Internet Internet Fan Speed (High) Lights up when Fan speed is High. Internet Int Desire temperature For cooling, dehumidification, heating modes it display Destired temperature indicator Cooling :18~30°C • AI : Auto Operation Dehumidification : 18~30°C · Po : Jet Cool · Lo : Test Mode Heating :16~30°C Desire temperature Icon ŵ Indoor temperature Icon



$\bigcirc$	On/Off	: Lights up during the system operation.
☆	Sleep Mode	: Lights up during Sleep Mode Auto operation.
ଓ	Timer	: Lights up during Timer operation.
8	Defrost Mode	: Lights up during Defrost Mode or Hot Start operation.(Heat pump model only)
	Plasma	: Lights up during Plasma operation.
88	Desire temperature indicator	: For cooling, dehumidification, heating modes it display Destired temperature • Cooling : 18-30°C • Dehumidification : 18-30°C • Heating : 16-30°C • Cool • Cool

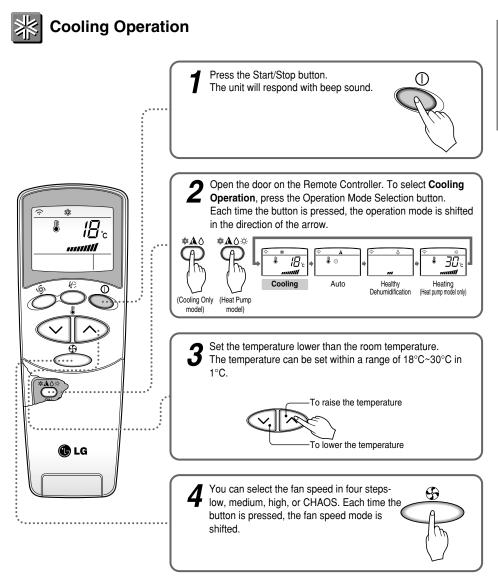
## Remote Control Operation

The Remote Controller transmits the signals to the system.



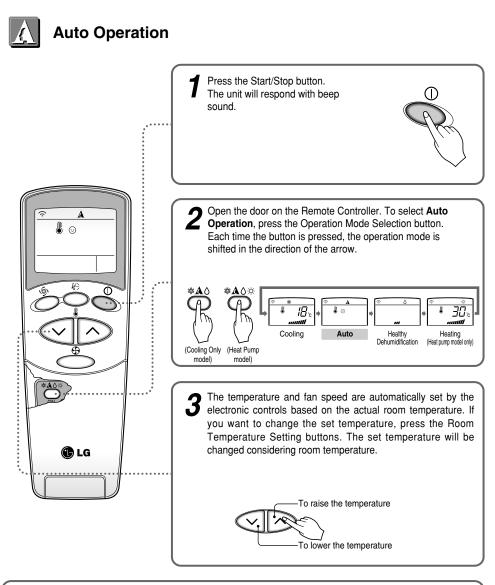


Used to set the desired horizontal airflow direction.



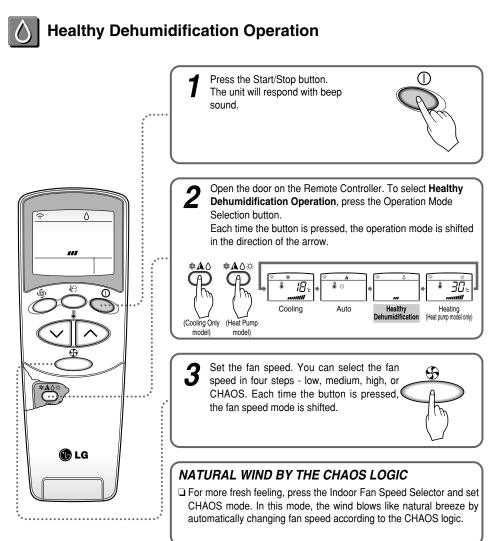
#### Natural wind by the CHAOS logic

□ For more fresh feeling, press the Indoor Fan Speed Selector and set CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.



### DURING AUTO OPERATION:

- $\hfill \ensuremath{\square}$  You cannot switch the indoor fan speed. It has already been set by the Fuzzy rule.
- □ If the system is not operating as desired, manually switch to another mode. The system will not automatically switch from the cooling mode to the heating mode, or from heating to cooling, then you must set the mode and the desired temperature again.
- During Auto Operation, pressing the chaos swing button makes the horizontal louvers swing up and down automatically. If you want to stop auto-swing, press the chaos swing button again.

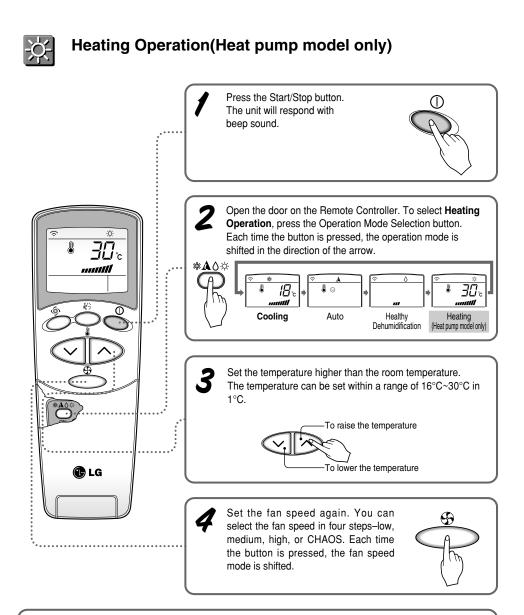


### DURING HEALTHY DEHUMIDIFICATION OPERATION:

□ If you select the dehumidification mode on the operation selection button, the A/C starts to run the dehumidification function, automatically setting the room temp. and air volume to the best condition for dehumidification based on the sensed room temp.

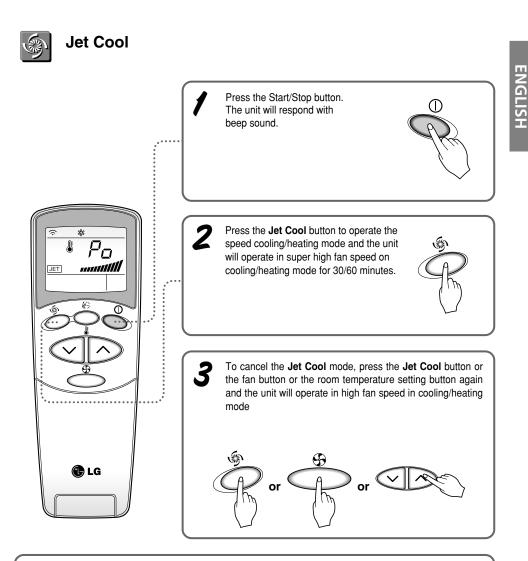
In this case, the setting temp. is not displayed in the Remote Controller and you are not able to control the room temp. either.

During the healthy dehumidification function, the air volume is automatically set according to the algorithm responding to the current room temp. and makes the room condition healthy and comfortable even in the high humidity season.



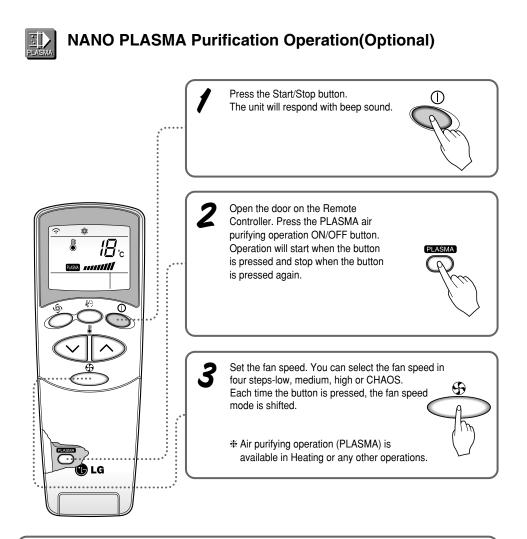
### NATURAL WIND BY THE CHAOS LOGIC

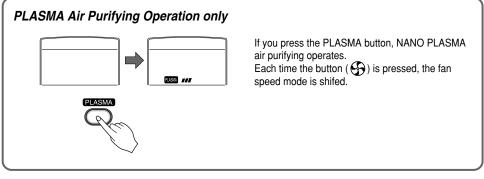
□ For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to CHAOS mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the CHAOS logic.

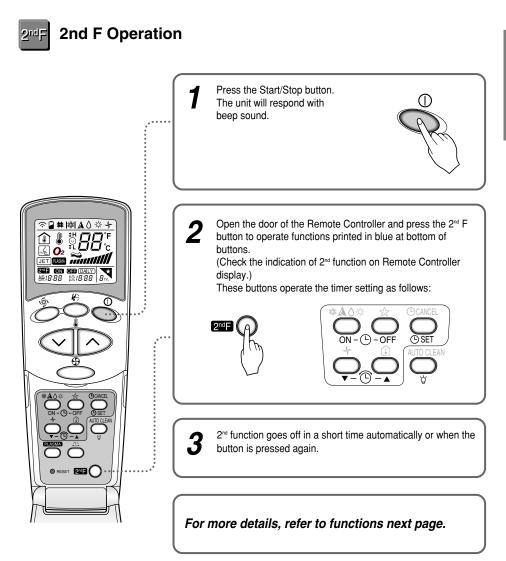


### NOTICE

- □ Jet Cool function in heating mode is available on Artcool type only.
- □ During the JET COOL function at any moment, the A/C starts to blow the cool/heat air at extremely high speed for 30/60 minutes setting the room temp. automatically to 18°C/30°C. It is especially used to cool/heat the room temperature in the shortest time.
- □ In order to return to the normal cooling/heating mode from the Jet Cool mode, you just press either the operation mode selection button, air volume selection or temp. setting button or the JET COOL button again.







## Additional features



## Sleep Mode

- 1. Press the Sleep Mode Auto button to set the time you want the unit to turn off automatically.
- 1. The Timer is programmed in one-hour increments by pressing the Sleep Mode Auto button 1 to 7 times.

The sleep mode is available for 1 to 7 times. To alter the time period in steps of 1 hour, press the Sleep Mode Button while aiming at air conditioner.

3. Make sure the Sleep Mode Auto LED lights up.



- 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.
- 2. Press 2<sup>nd</sup> F button and check if 2<sup>nd</sup> F icon is on.





## Delay Start/Pre-Set Stop

- 1. Make sure the time is set correctly on the Remote Controller display.
- 2. Press 2<sup>nd</sup> F button.
- Press the ON/OFF Timer buttons to turn Timer on or off.



4. Press the Time Setting buttons until the desired time is set.



## To cancel the Sleep Mode, press the sleep Mode Auto button several times until the star $(\overbrace{\Delta_{A}})$ disappears from the operation display.

**NOTICE** The Sleep Mode will be operated at low fan speed (cooling) or medium fan speed (heat pump only) for quiet sleeping.

IN COOLING MODE: The temperature will automatically rise by 1°C over the next 30 minutes and by 2°C in 1 hour for comfortable sleeping.

- 3. Press the Time Setting buttons until the desired time is set.
- 4. Press the Timer SET button.



- **NOTICE** Check the indicator for A.M. and P.M.
- 5. Press the selected on/off setting by pressing the Timer SET button while aiming the Remote Controller at the signal receptor.

### To cancel the setting the timer.

Press the Timer Cancel button while aiming Remote Controller at the signal

aiming Remote Controller at the signal receptor.

with the unit running

(The timer lamp on the air conditioner and the display will go out.)

**NOTICE** Select one of the following four types of operation.



## *1*(*t*)

## Vertical Airflow Direction Control

### Standard, Artcool Deluxe Type

The up/down airflow (Vertical Airflow) can be adjusted by using the Remote Controller.

Press the Start/Stop button to start the unit.

Open the door on the Remote Controller.

Press Chaos Swing button and the louvers will swing up and down. Press the Chaos Swing button again to set the vertical louver at the desired airflow direction.





### NOTICE

□ If you press the CHAOS swing button, the horizontal airflow direction is changed automatically based on the CHAOS algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable, as if enjoying a natural breeze.

Always use the Remote Controller to adjust the up/down airflow direction. Manually moving the vertical airflow direction louver by hand could damage the air conditioner.

When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

### To adjust left/right(Horizontal Airflow) direction

Caution Ensure that the unit is turned off before adjusting the horizontal airflow direction control. Carefully open vertical louver to allow access to the horizontal airflow direction. Adjust the left/right airflow direction by hand.



### Artcool Type

The up/down and right/left airflow can be adjusted by using the Remote Controller.





Press Chaos Swing button and the louvers will swing.

Press the button again and the louvers will stop. After 30 minutes, the louvers return to the maximum airflow position automatically.

Press the Start/Stop button to start the unit.



## Horizontal Airflow Direction Control (Optional)

The left/right(Horizontal Airflow) can be adjusted by using the remote control.

- 1. Press the Start/Stop button to start the unit.
- Open the door on the remote control. Press the Airflow Direction Start/Stop button and the louvers will swing left and right. Press the Horizontal Airflow Direction Control Button again to set the horizontal louver at the desired airflow direction.



## Air Circulation Mode

Circulates the room air without cooling or heating.

- 1. Press the Start/Stop button. The unit will respond with beep sound.
- Open the door on the Remote Controller. Press the Air Circulation button. Now each time that you press the Indoor Fan Speed Selector, the fan speed is shifted from low to CHAOS and back to low again.



### NOTICE

□ CHAOS Air economizes power consumption and prevents overcooling. The fan speed is automatically changed from high to low or vice versa, depending on the ambient temperature.



### Auto Clean (Artcool, Artcool Deluxe, Artcool Mirror Type Only)

- 1. Press the Start/Stop button to Start the unit.
- 2. Open the door on the Remote Controller Select Cooling Operation or Healthy Dehumidification Operation.



3. Press the Auto clean button.

4. Although the Start/Stop button is pressed, unit operates in Auto clean Mode for 15 minutes - operates in heating operation Mode for 1 minute and circulates the room air without cooling and heating for 14 minutes. And then unit stops operating.

### NOTE:

During Auto Clean function, moistures left in indoor units after Cooling Operation or Healthy Dehumidification Operation can be removed.

During Auto Clean function, only Start/Stop button, Plasma button and Auto Clean button are available.



### Display Luminosity (AMNH076DZ\*0[MC07AH\*NZ0], AMNH096DU\*0[MC09AH\*NU0])

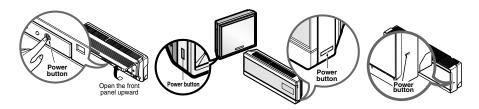


• The Display Luminosity of the unit can be adjusted by using the Remote Controller.

Press the start/stop button to start the unit. Open the door on the Remote Controller, press the 2<sup>nd</sup> F button and, press display luminosity button. Display will be dark. Press the button again to set bright display.

## Forced Operation

The operation will be started operation if the power button is pressed without remote controller. If you want to stop operation, re-press the button.



	Cooling Model	Heat pump Model		
		Room Temp. $\geq$ 24°C	21°C ≤ Room Temp. < 24°C	Room Temp. < 21°C
Operating mode	Cooling	Cooling	Healthy Dehumidification	Heating
Indoor FAN Speed	High	High	High	High
Setting Temperature	22°C	22°C	23°C	24°C

## Auto restart

In case the power comes on again after a power failure, the unit operates automatically to the previous operating conditions.

So there is no need of activating this function by pressing any key or button.

In the initial mode, the fan operates at a low speed and the compressor starts about 3 minutes later. As the compressor starts, the fan speed also resumes its previous setting mode.



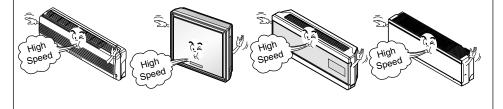
In case of absence for a long time while power failure, turn off main power to avoid undersired Auto restart.

### Helpful information

Fan speed and cooling capacity.

The cooling/heating capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed.

High fan speed is recommended when you wish to cool/heat the room quickly.



## **Maintenance and Service**

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

## Standard Type Indoor Unit

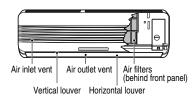
### Grille, Case, and Remote Control

Turn the system off before cleaning.

To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

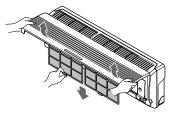
**NOTICE** Supply power must be disconnected

before cleaning the indoor unit.



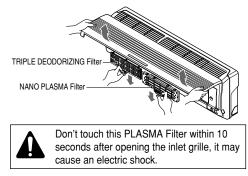
### AIR FILTERS

The air filters behind the front grille should be checked and cleaned once in every 2 weeks or more often if neccessary.



### NANO PLASMA FILTER, TRIPLE DEODORIZING FILTER(OPTIONAL)

The NANO PLASMA filter behind the air filters should be checked and cleaned once in every 3 months or more often if necessary.



□ Never use any of the followings:

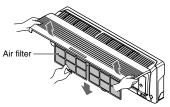
- Water hotter than 40°C Could cause deformation and/or discoloration.
- Volatile substances
   Could damage the surfaces of the air
   conditioner.



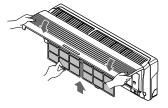
- 1. Lift the front access panel and pull the filter tab slightly forward to remove the filter.
- 2. Clean the filter with a vacuum cleaner or warm, soapy water.
  - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (40°C or more) is used, it may be deformed.
- 3. After washing with water, dry well in the shade.
- 4. Re-install the air filter.
- 1. After removing the air filters, pull slightly forward to remove the NANO PLASMA filter.
- 2. Remove dust with vacuum cleaner or air. (You should not try to wash with water).
- 3. Note the cuts of electric discharge lines.
- 4. Re-install the NANO PLASMA filter to the original position.
- 1. After removing the air filters, pull slightly forward to remove the TRIPLE DEODORIZING filter.
- 2. Dry in the sunlight for two hours.
- 3. Re-install the TRIPLE DEODORIZING filter to the original position.

### Replacement of Purifying Filter(Optional)

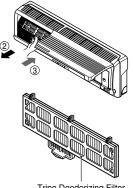
- Recomended use period : About 2 years
- 1. Open front panel and remove air filters.



4. Reinsert air filter and close front panel.



- 2. Remove Triple deodorizing Filter.
- 3. Insert new Triple deodorizing Filter.



Tripe Deodorizing Filter

### Artcool Type Indoor Unit

### Grille, Case, and Remote Control

Turn the system off 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.



### AIR FILTER

The air filters behind the front grill should be checked and cleaned once every 2 weeks or more often if neccessary.



Never use any of the followings:

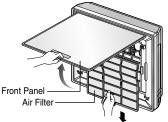
- Water hotter than 40°C. Could cause deformation and/or discoloration.
- Volatile substances Could damage the surfaces of the air conditioner.



- Pull down the grille bottom, After lifting up the filter tab a bit and take the filter out slowly (Notice : Clean the filter after being stopped the product)
- 2. Clean the filter with a vacuum or warm, soapy water.
  - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (40°C or more) is used, it may be deformed.
- 3. After washing with water, dry well in the shade.
- 4. Re-install the air filter.

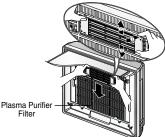
### **Cleaning of Purifying Filter**

- Recomended use period : About 3 months
- 1. Lift the front panel, hold it up and pull the Air filter.



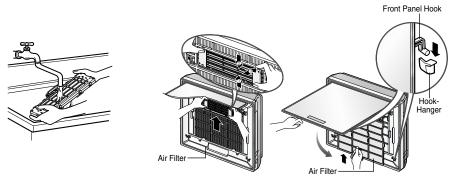
3. Put in Plasma Filters in the neutral detergent for 1~2 hours and then raise them.

2. Remove the Plasma Filter.



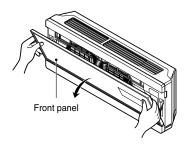
4. Insert the Plasma Filter after perfectly drying in shade.

Now insert Air Filter and close the Front panel Completely by matching the hook.

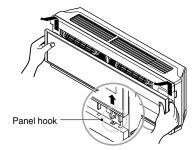


## Artcool Deluxe Type Indoor Unit

1. Open the upside of Front Panel



2. Lift up the Front panel. The hook of panel comes off.



4. Do cleaning by soft brush and a vacuum cleaner. If it

Don't touch this nano PLASMA Filter

grille, it may cause an electric shock.

within 10 seconds after opening the inlet

has hard pollution, wash by water.

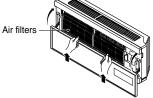
 Never use any of the followings:
 Water hotter than 40°C Could cause deformation and/or

Could damage the surfaces of the air conditioner.

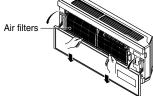
discoloration.

Volatile substances

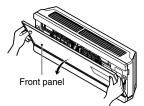
3. Come down the panel and then remove air filters.



5. Relocate dried air filters at the shade and then close the panel.



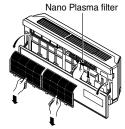
- Cleaning of Purifying Filter
- Recomended use period : About 3 months
- 1. Open the upside of Front panel.
- 2. Put up the front panel. The hook of panel comes off.
- 3. Remove air filter and then pull out nano plasma filter.



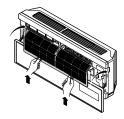
4. Clean nano plasma filter with the vacuum cleaner.







5. Insert the nano plasma filters at the shade and then put in air filter.



## Artcool Mirror Type

### Grille, Case, and Remote Control

- Turn the system off 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.

### AIR FILTERS

The air filters behind the front grille should be checked and cleaned once in every 2 weeks or more often if neccessary.

- 1. Open the front panel as shown.
- 2. Then pull the filter tab slightly forward to remove the air filter.
- 3. Clean the filter with a vacuum cleaner or warm, soapy water.
  - If dirt is conspicuous, wash with a solution of detergent in lukewarm water.
  - If hot water (40°C or more) is used, it may be deformed.
- 4. After washing with water, dry well in the shade.
- 5. Re-install the air filter.

### NANO PLASMA FILTER

The NANO PLASMA filter behind the air filters should be checked and cleaned once in every 3 months or more often if necessary.

- 1. After removing the air filters, pull slightly forward to remove the NANO PLASMA filter.
- Remove dust with vacuum cleaner or air. (You should not try to wash with water).
- 3. Note the cuts of electric discharge lines.
- 4. Re-install the NANO PLASMA filter 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.

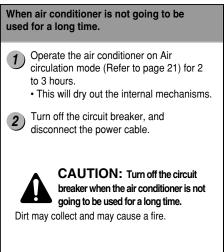




Don't touch this PLASMA Filter within 10 seconds after opening the inlet grille, it may cause an electric shock.



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





Remove the batteries from the Remote Controller.

#### When the air conditioner is to be used again.

1)

Clean the air filter and install it in the indoor unit. (Refer to page 23~27 for cleaning filters.)



2) Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

## **Operation Tips**

Do not overcool the room.	Keep blinds or curtains closed.	Keep the room temperature uniform.
This is not good for the 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 the doors and windows are shut tight.	Clean the air filter regularly.	Ventilate the room occasionally.
Avoid opening doors and windows if 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.

## Troubleshooting

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

Case	Explanation	See page
The air conditioner does not operate.	Check room temperature setting?     Check if circuit breaker is on?	11,14 -
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.	<ul> <li>Check the drain hose is connected tight or if indoor unit is installed even.</li> </ul>	-
Air conditioner does not operate for about 3 minutes after turning on.	<ul> <li>This is the protector of the mechanism.</li> <li>Wait about 3 minutes and operation will begin.</li> <li>About 3 minutes delay is applied to protect compressor from frequenty on/off.</li> </ul>	-
Does not cool or heat effectively.	<ul> <li>Is the air filter dirty? See air filter cleaning instructions.</li> </ul>	22~26
	• Has the temperature been set correctly?	11,14
	Are the indoor unit's air inlet or outlet vents     obstructed?	-
The air conditioner operation is noisy.	<ul> <li>For a noise that sounds like water flowing.</li> <li>This is the sound of refrigerant flowing inside the air conditioner unit.</li> <li>For a noise that sounds like the compressed air releasing into atmosphere.</li> <li>This is the sound of the dehumidifying water being processed inside the air conditioning unit.</li> </ul>	-
Remote Controller display is faint, or no display at all.	<ul> <li>Are the batteries depleted?</li> <li>Are the batteries inserted in the opposite (+) and (-) directions?</li> </ul>	7
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

