



LG

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

LG

LG

Multi Type Air Conditioner

OWNER'S MANUAL

IMPORTANT

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

PRECAUTIONS

Pay close attention to precautions in order to prevent potential hazards and damage from misuse or improper installation. LG is not responsible for any damages caused by misuse of the product.

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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 the injury of 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 to properties only.

■ The meanings of the symbols used in this manual are as shown below.



Be sure not to do.



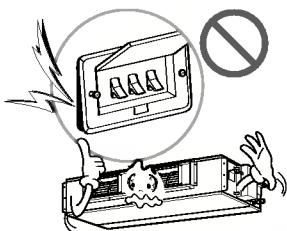
Be sure to follow the instruction.

⚠ 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.



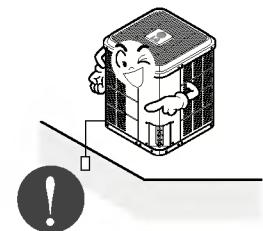
For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center.

- 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.



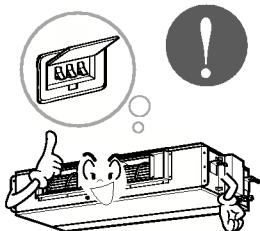
Install the panel and the cover of control box securely.

- There is risk of fire or electric shock.



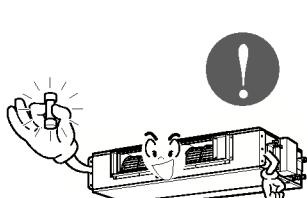
Always install a dedicated circuit and breaker.

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



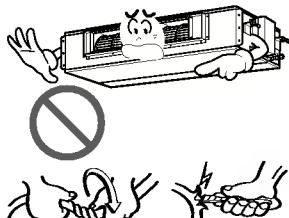
Use the correctly rated breaker or fuse.

- There is risk of fire or electric shock.



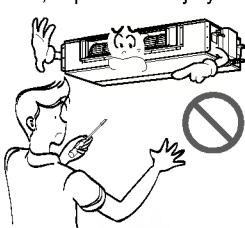
Do not modify or extend the power cable.

- There is risk of fire or electric shock.



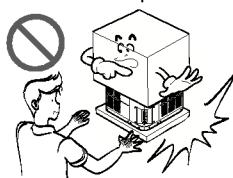
Do not install, remove, or re-install the unit by yourself (customer).

- 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.



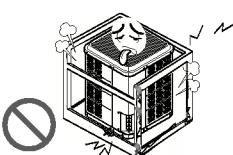
Do not install the product on a defective installation stand.

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



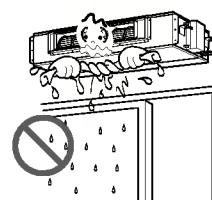
Be sure the installation area does not deteriorate with age.

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



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.



■ Operation

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

- There is risk of fire or electric shock.



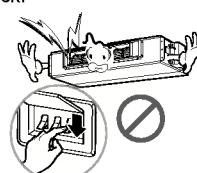
Do not place anything on the power cable.

- There is risk of fire or electric shock.



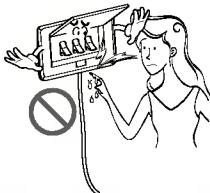
Do not plug or unplug the power supply plug during operation.

- There is risk of fire or electric shock.

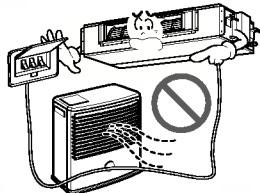


Do not touch(operate) the product with wet hands.

- 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.**

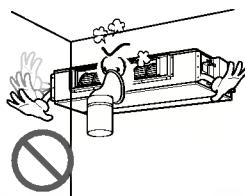
- There is risk of fire, failure of the product, or electric shock.

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

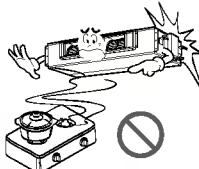
- There is risk of fire or failure of product.

**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, smell or smoke comes from product. Turn the breaker off or disconnect the power supply cable.**

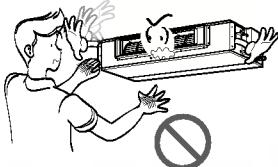
- There is risk of electric shock or fire.

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

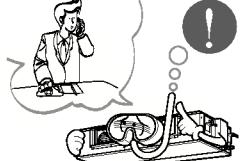
- There is risk of property damage, failure of product or electric shock.

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

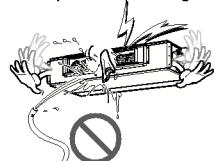
- There is risk of physical injury, electric shock or product failure.

**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.

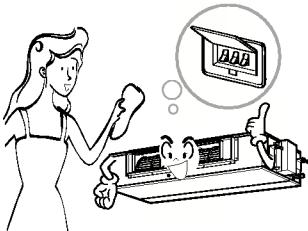
**Ventilate the product from time to time when operating it together with a stove, etc.**

- There is risk of fire or electric shock.



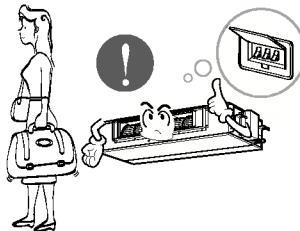
Turn the main power off when cleaning or maintaining the product.

- There is risk of electric shock.



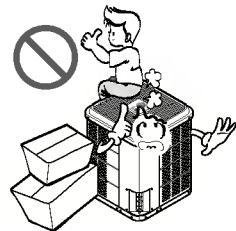
When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker.

- 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.

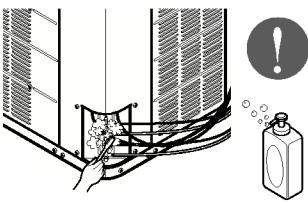


CAUTION

■ Installation

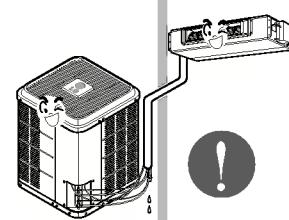
Always check for gas (refrigerant) leakage after installation or repair of product.

- Low refrigerant levels may cause failure of product.



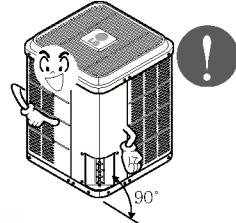
Install the drain hose to ensure that water is drained away properly.

- A bad connection may cause water leakage.



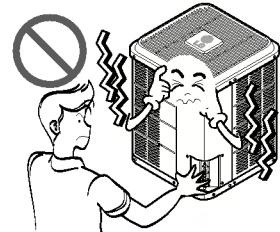
Keep level even when installing the product.

- To avoid vibration or water leakage.



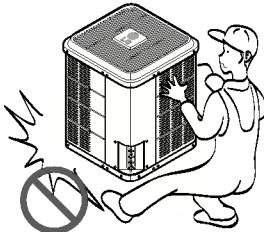
Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods.

- It may cause a problem for your neighbors.



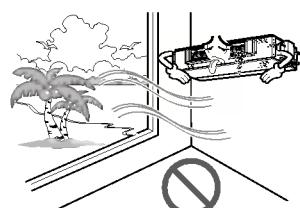
Use two or more people to lift and transport the product.

- Avoid personal injury.



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

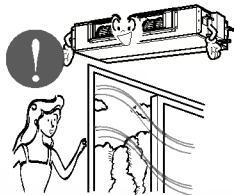
- It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.



■ Operation

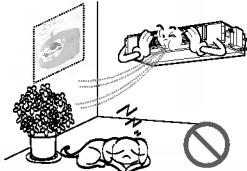
Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.)

- This could harm to your health.



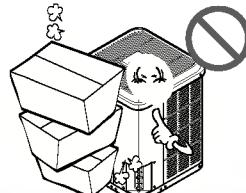
Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system.

- There is risk of damage or loss of property.



Do not block the inlet or outlet of air flow.

- It may cause product failure.



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

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



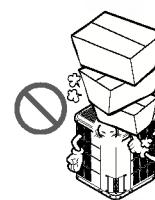
Do not touch the metal parts of the product when removing the air filter. They are very sharp!

- There is risk of personal injury.



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

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



Always insert the filter securely. Clean the filter every 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.



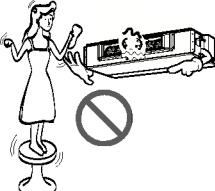
Do not drink the water drained from the product.

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



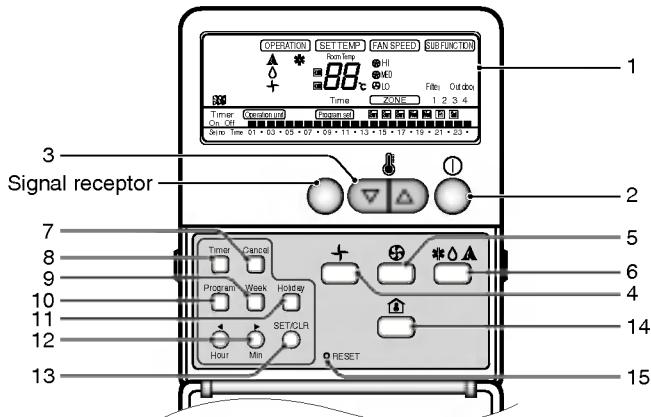
Use a firm stool or ladder when cleaning or maintaining the product.

- Be careful and avoid personal injury.



Operating Instructions(Ceiling Duct Type)

Name and Function of Remote Controller



1 Operation display

Displays the operation conditions.

2 On/Off Button

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

3 Set Temperature Button

Used to set the temperature when the desired temperature is obtained.

4 FAN Operation Button

Used to circulate room air without cooling.

5 Fan Speed Button

Used to set desired fan speed.

6 Operation Mode Selection Button

Used to select the operation mode.

- Auto Operation Mode.
- Cooling Operation Mode.
- Soft Dry Operation Mode.

7 Timer Cancel Button

Used to cancel the timer.

8 Timer Set Button

Used to set the timer when the desired time is obtained.

9 Week Button

Used to set a day of the week.

10 Program Button

Used to set the weekly timer.

11 Holiday Button

Used to set a holiday of the week.

12 Time Set Button

Used to set the time of the day and change the time in the weekly timer Function.

13 Set and Clear Button

Used to set and clear the weekly timer.

14 Room Temperature Checking Button

Used to check the room temperature.

15 Reset Button

Used to set the current time and clear the setting time.

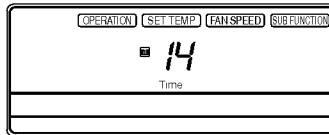
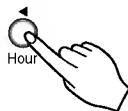
* Display temperature can be different from actual room temperature if the remote controller is installed at the place where sun-rays are falling directly or the place nearby heat source.

Set the Current Time and a day of the Week

1 Press the ' ' button.

Each time the button is pressed, the number is changed from **00** to **23**.

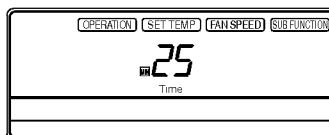
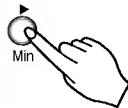
You can set the number of the current hour.



2 Press the ' ' button.

Each time the button is pressed, the number is increased from **00** to **59**.

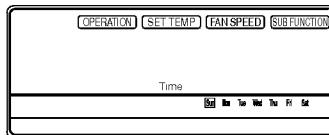
You can set the number of the current minute.



3 Press ' Week ' button.

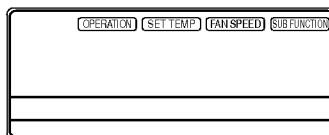
Each time the button is pressed, a day of the week is shifted from **sunday** to **saturday**.

You can set the day of the week.



4 Press the ' RESET ' button.

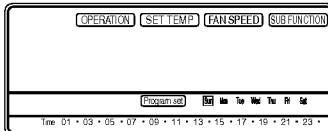
If you want to reset the current time and a day of the week, click the Reset button.



Weekly Programming

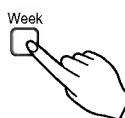
1 Press the Program button.

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



2 Press the 'Week' button.

Press 'Week' button repeatedly until desired mode appears.



For example, if you want Thu, press 'Week' button 4 times.

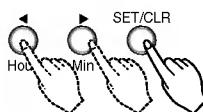
3 Select the time you want.

Press 'Hour' or 'Min' button, then blinking letter is shown.

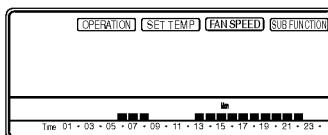
If you press 'SET/CLR' button, then '■' shape appears.

'■' shape means that five o'clock is reserved.

Using below buttons, you can reserve time.



* For example, the air-conditioner is on 6,7,8 and 13~22 o'clock.



4 Press the Program button again to finish weekly programming.



Holiday Setting

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

- 1 Press the Program button.



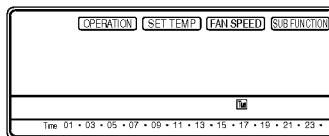
- 2 Press the Week button.
Select the Tuesday.



- 3 Press the Holiday button.



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



- 4 Press the Program button again to finish holiday setting.



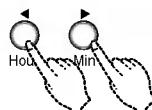
Timer Setting(Delay start/Pre-set stop)

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

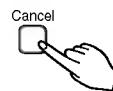
- 1 Press the Timer button
to turn Timer on or off.



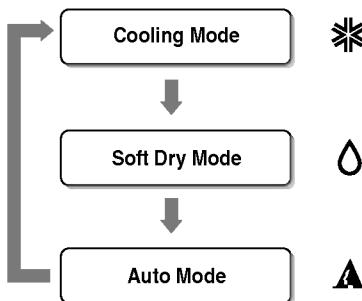
- 2 Change the timer setting until the desired time is set.



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



Operation Mode



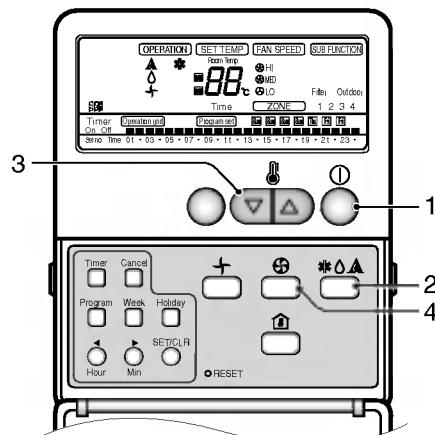
Operation Procedure

1st On/Off Button

2nd Operation Mode Selection Button

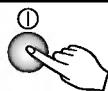
3rd Room Temperature Setting Button

4th Indoor Fan Speed Selection Button



Cooling Operation Mode

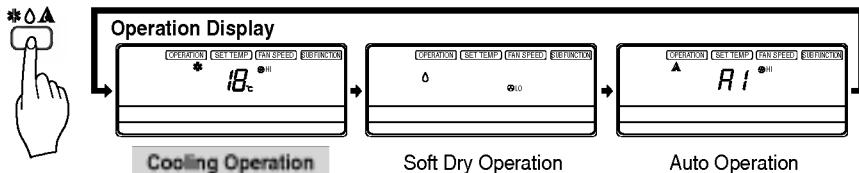
1 Press the On/Off Button.



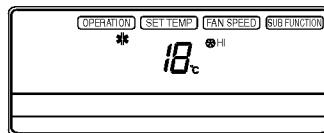
2 Select Cooling Operation.

Press the Operation Mode Selection Button.

Each time the button is pressed, the operation mode is shifted in the arrow direction.



3 Set the temperature lower than the room temperature.



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



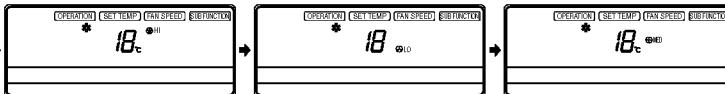
To raise the Temperature.

To lower the Temperature.

4 Set the fan speed.



Operation Display



- Select the fan speed in three steps- high, low, medium.
- The display shows high fan speed.
- Each time the button is pressed, the fan speed mode is shifted.

Soft Dry Operation Mode

This mode dehumidifies without overcooling.

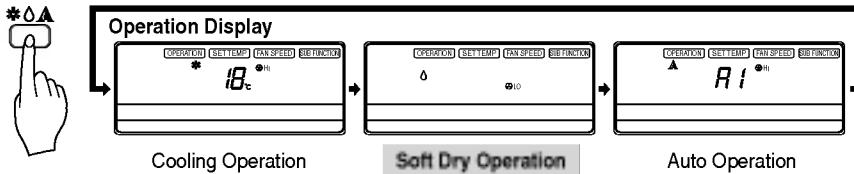
1 Press the On/Off Button.



2 Select Soft Dry Operation.

Press the operation Mode Selection Button.

Each time the button is pressed, the operation mode is shifted in the arrow direction.

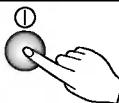


3 During Soft Dry Operation.

- The indoor fan speed is automatically set to the low, so the shift of the indoor fan speed is impossible because it's already being set to the best speed for Dry Operation by Micom Control.

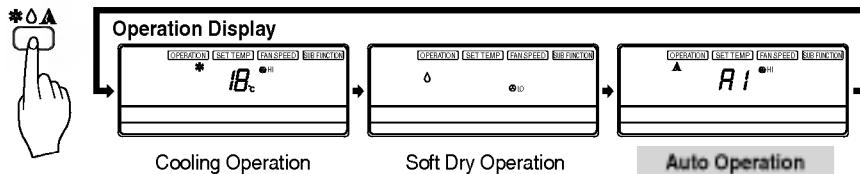
Auto Operation Mode

1 Press the On/Off Button.



2 To select Auto Operation, press the Operation Mode Selection button.

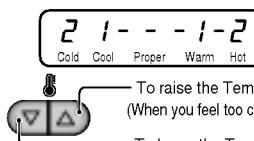
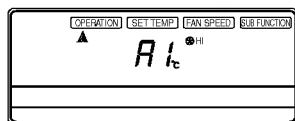
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the temperature upper or lower than the standard temperature.

The temperature can be set within a range of $-2^{\circ} \sim 2^{\circ}$ by 1 level.

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



During Auto Operation:

You can switch the indoor fan speed.

FAN Operation

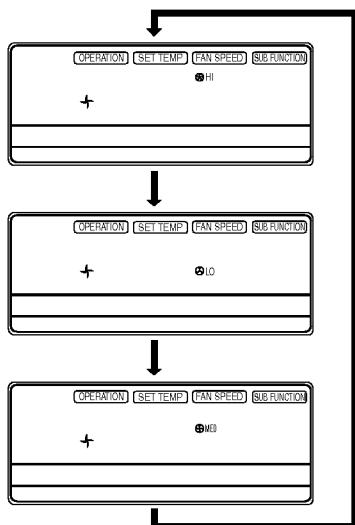
1 Press the On/Off Button.



2 Press FAN Operation Button.



3 Each time Indoor Fan Speed button is pressed, the fan speed mode is shifted in the arrow direction.



- Fan speed is high.

- Fan speed is low.

- Fan speed is medium.

* You can't set the temperature in Fan Operation mode. To exit this mode, press 'Operation Mode' button.

Child Lock Function

This is the Function that any children cannot used to the air-conditioner.

Operation procedure

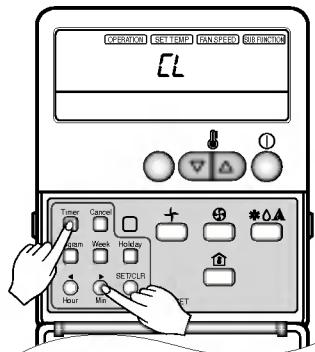
1. To set the Child-Lock Function

Press the Timer button and Minute Set button for three seconds. Then the operation mode shift to child lock mode and it is displayed 'CL' in the operation display.

When you press any button in this time, the remote controller is not converted to any selected mode and the 'CL' is displayed in the remote controller for about three seconds. But the Room Temperature function is operated in spite of child lock mode.

2. To cancel the Child-Lock Function

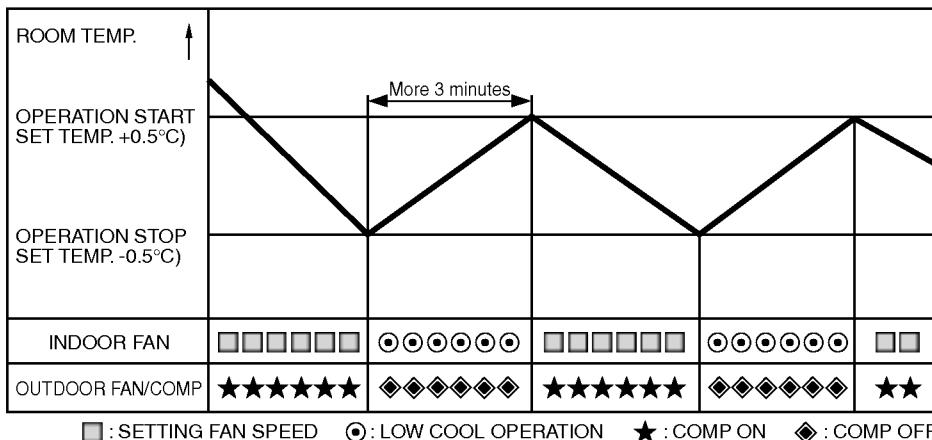
Press the Timer button and Minute Set button for three seconds. Then the child-lock mode is cancelled and the preselected mode is displayed in the remote controller.



Operation Details

• Cooling Operation Mode

When the room temperature is higher than the set temperature, it operates in cooling mode at the set temperature, the set fan speed, and then it will be automatically turned off when the room temperature reaches the set temperature +0.5°C.

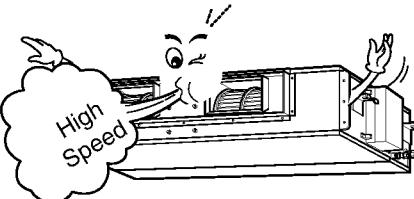


Helpful information

Airflow speed and cooling capacity.

The cooling 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 the room quickly.



- After main power is on, Fan will start 7 seconds later.

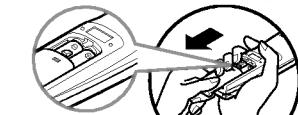
Self-Diagnosis Function

'CH' will flash in the remote controller display when a problem occurs. Then please contact your dealer.

Operating Instructions(Wall Mounted Type)

How to Insert the Batteries

① Remove the battery cover by pulling it according to the arrow direction.



② Insert new batteries making sure that the (+) and (-) of battery are installed correctly.



③ Reattach the cover by sliding it back into position.



NOTICE

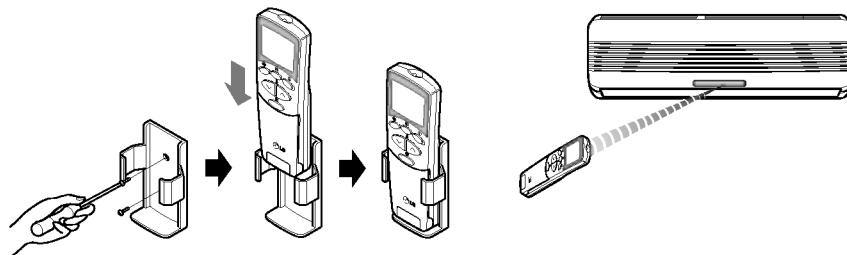
- Use 2 AAA(1.5volt) batteries. Do not use rechargeable batteries.



Storage and Tips For Using the Remote Control

- The remote control may be stored mounted on a wall.

- To operate the room air conditioner, aim the remote control at the signal receptor.



Signal Receptor

Receives the signals from the remote control.(Signal receiving sound: two short beeps or one long beep.)

Operation Indication Lamps

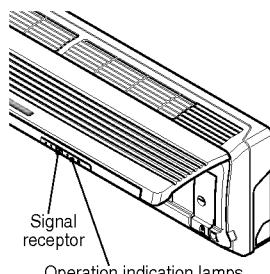
 On/Off : Lights up during the system operation.

 Sleep Mode : Lights up during Sleep Mode Auto operation.

 Timer : Lights up during Timer operation.

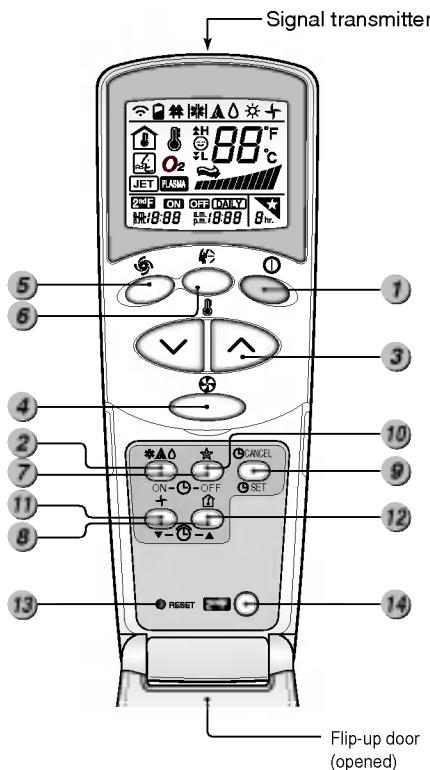
 Defrost Mode : Lights up during Defrost Mode or Hot Start operation (Heat pump model only)

 OUT DOOR : Lights up during outdoor unit operation. (Cooling model only)

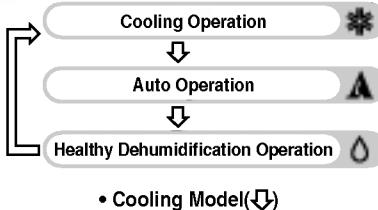


Remote Control Operation

The Remote Controller transmits the signals to the system.



Operation Mode



• 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 SELECTOR

Used to select fan speed in four steps low, medium, high and CHAOS.



5 JET COOL

Used to start or stop the speed cooling/heating. (Speed cooling/heating operates super high fan speed.)



6 CHAOS SWING BUTTON

Used to stop or start louver movement and set the desired up/down airflow direction.



7 ON/OFF TIMER BUTTONS

Used to set the time of starting and stopping operation.

8 TIME SETTING BUTTONS

Used to adjust the time.

9 TIMER SET/CANCEL BUTTON

Used to set the timer when the desired time is obtained and to cancel the Timer operation.

10 SLEEP MODE AUTO BUTTON

Used to set Sleep Mode Auto operation.

11 AIR CIRCULATION BUTTON

Used to circulate the room air without cooling or heating.

12 ROOM TEMPERATURE CHECKING BUTTON

Used to check the room temperature.

13 RESET BUTTON

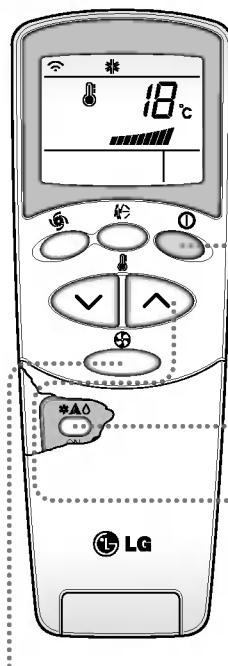
Initialize remote controller.

14 2nd F Button

Used prior to using modes printed in blue at the bottom of buttons.



Cooling Operation



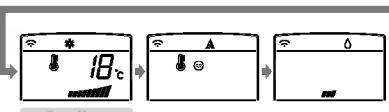
1 Press the Start/Stop button.

The unit will respond with beep sound.



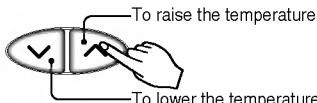
2 Open the door on the Remote Controller. To select **Cooling Operation**, press the Operation Mode Selection button.

Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

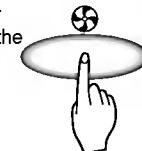


3 Set the temperature lower than the room temperature.

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



4 You can select the fan speed in four steps-low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.

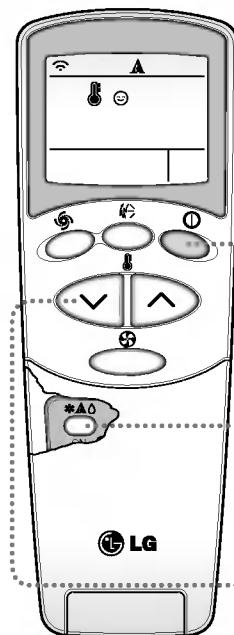


Natural wind by the CHAOS logic

- 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.



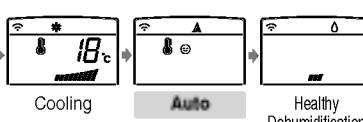
Auto Operation



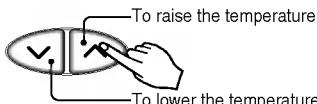
1 Press the Start/Stop button.
The unit will respond with beep sound.



2 Open the door on the Remote Controller. To select **Auto Operation**, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you want to change the set temperature, press the Room Temperature Setting buttons. The set temperature will be changed considering room temperature.

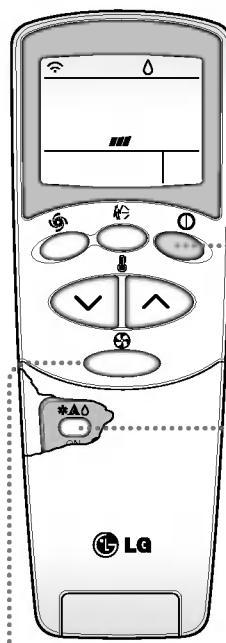


DURING AUTO OPERATION:

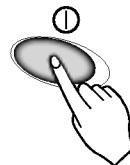
- You cannot switch the indoor fan speed. It has already been set by the Fuzzy rule.
- If the system is not operating as desired, manually switch to another mode. The system will not automatically switch from the cooling mode to the heating mode, or from heating to cooling, then you must set the mode 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.



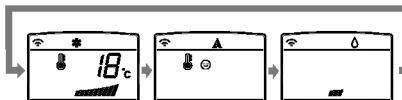
Healthy Dehumidification Operation



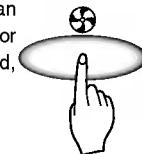
1 Press the Start/Stop button.
The unit will respond with beep sound.



2 Open the door on the Remote Controller. To select **Healthy Dehumidification Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 Set the fan speed. You can select the fan speed in four steps - low, medium, high, or CHAOS. Each time the button is pressed, the fan speed mode is shifted.



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 HEALTHY DEHUMIDIFICATION OPERATION:

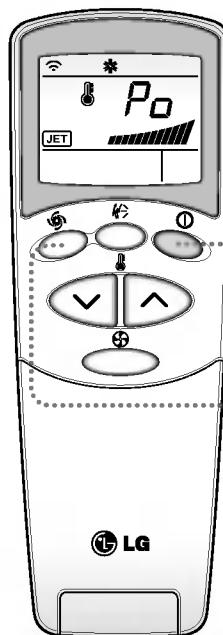
- If you select the dehumidification mode on the operation selection button, the A/C starts to run the dehumidification function, automatically setting the room temp. and air volume to the best condition for dehumidification based on the sensed room temp.

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.



Jet Cool



1

Press the Start/Stop button.
The unit will respond with
beep sound.



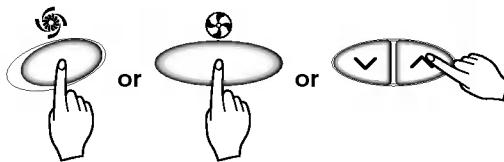
2

Press the Jet Cool button to operate the
speed cooling/heating mode and the unit
will operate in super high fan speed on
cooling/heating mode for 30/60 minutes.



3

To cancel the Jet Cool mode, press the Jet Cool button or
the fan button or the room temperature setting button again
and the unit will operate in high fan speed in cooling/heating
mode

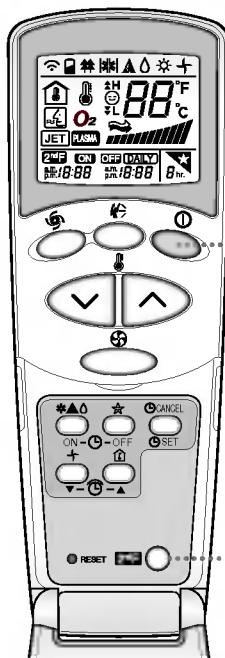


NOTICE

- 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.*

2ndF

2nd F Operation



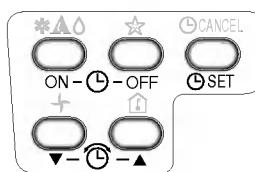
1

Press the Start/Stop button.
The unit will respond with
beep sound.



2

Open the door of the Remote Controller and press the 2nd F button to operate functions printed in blue at bottom of buttons.
(Check the indication of 2nd function on Remote Controller display.)
These buttons operate the timer setting as follows:



3

2nd function goes off in a short time automatically or when the button is pressed again.

For more details, refer to functions next page.

Sleep Mode

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



To cancel the Sleep Mode, press the sleep Mode Auto button several times until the star (★) disappears from the operation display.

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

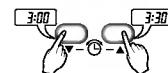
IN COOLING MODE: The temperature will automatically rise by 1°C over the next 30 minutes and by 2°C in 1 hour for comfortable sleeping.

Setting the Time

- 1 Time can be set only when you have pressed the Reset button. If you have just replaced the batteries, the Reset button should be pressed to reset the time.
- 2 Press the Start/Stop button.
- 3 Press 2nd F button and check if 2nd F icon is on.



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



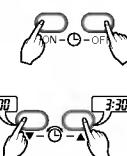
- 4 Press the Timer SET button.



NOTICE Check the indicator for A.M. and P.M.

Delay Start/Pre-Set Stop

- 1 Make sure the time is set correctly on the remote control display.
- 2 Press 2nd F button.
- 3 Press the ON/OFF Timer buttons to turn Timer on or off.
- 4 Press the Time Setting buttons until the desired time is set.



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



To cancel the setting the timer.

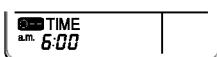
Press the Timer Cancel button while aiming remote control at the signal receptor.
(The timer lamp on the air conditioner and the display will go out.)

NOTICE Select one of the following four types of operation.

with the unit running



Delay OFF Timer



Delay ON Timer



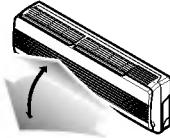
Delay OFF and ON Timer



Delay ON and OFF Timer

Vertical Airflow Direction Control

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



Press the Start/Stop button to start the unit.

Open the door on the remote control.

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

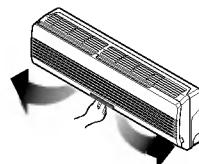
- ❑ If you press the CHAOS swing button, the horizontal airflow direction is changed automatically based on the CHAOS algorithm to distribute the air in the room evenly and at the same time to make the human body feel most comfortable, as if enjoying a natural breeze.
- ❑ Always use the remote control 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 unit is turned off before adjusting the horizontal airflow direction control.

Carefully open vertical louver to allow access to the horizontal airflow direction.

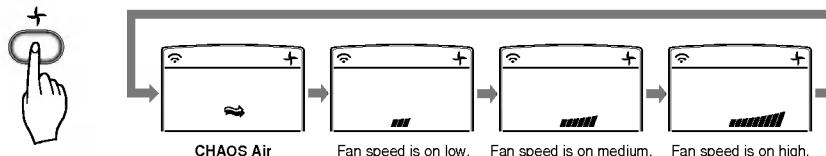
Adjust the left/right airflow direction by hand.



Air Circulation Mode

Circulates the room air without cooling or heating.

- 1 Press the Start/Stop button. the unit will respond with a beep.
- 2 Open the door on the remote control. Press the Air Circulation button. Close the door on the remote control. 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.

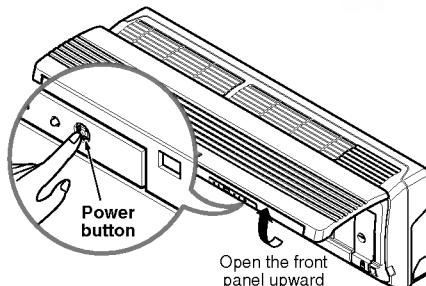
Forced Operation

Operation procedures when the remote control can't be used.

The operation will be started if the power button is pressed.

If you want to stop operation, re-press the button.

Cooling Model	
Operating mode	Cooling
Indoor FAN Speed	High
Setting Temperature	22°C



Test operation

During the TEST OPERATION, the unit operates in cooling mode at high speed fan, regardless of room temperature and resets in 18 minutes.

During test operation, if remote controller signal is received, the unit operates as remote controller sets.

If you want to use this operation, open the front panel upward and Press the power button let it be pressed for about 3 seconds.

If you want to stop the operation, re-press the button.

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.

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 2.5~3 minutes later.

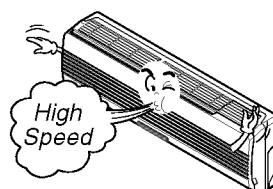
As the compressor starts, the fan speed also resumes its previous setting mode.

Helpful information

Fan speed and cooling capacity.

The cooling 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 the room quickly.



Care and Maintenance

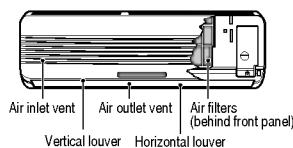
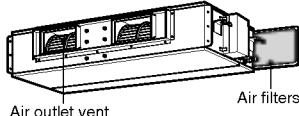
Caution: Before performing any maintenance, turn off the main power to the system.

Indoor Unit

Grille, Case, and Remote Control

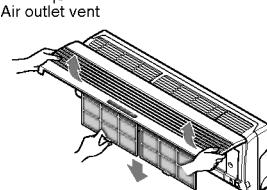
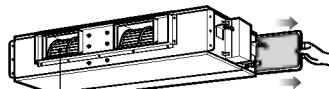
□ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

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



Air Filter

The air filters behind Indoor unit (the suction side) should be checked and cleaned once every 2 weeks or more often if necessary.



Outdoor Unit

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

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

□ 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.

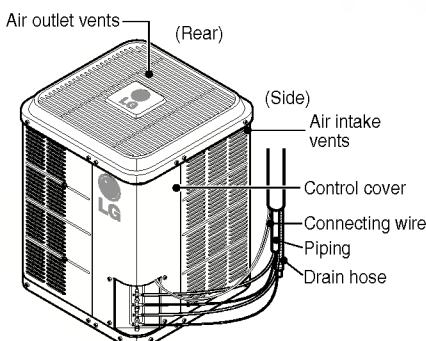


1 Clean the filter with a vacuum or warm, soapy water.

- If very dirty, wash with a solution of detergent in lukewarm water.
- If hot water (50°C or more) is used, filter may be deformed.

2 After washing with water, dry well in the shade.

3 Re-install the air filter.



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

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

- 1 Operate the air conditioner on Air circulation mode (Refer to page 14, 27) for 2 to 3 hours.
 - This will dry out the internal parts.

- 2 Turn off the circuit breaker.

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

When the air conditioner is to be used again.

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

Helpful information

The air filters and your electric bill.

If the air filters become clogged with dust, the cooling capacity will drop, and 6% of the electricity used to operate the air conditioner will be wasted.

Operation Tips

Do not overcool the room.

This is not good for the health and wastes electricity.

Keep blinds or curtains closed.

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

Make sure that the doors and windows are shut tight.

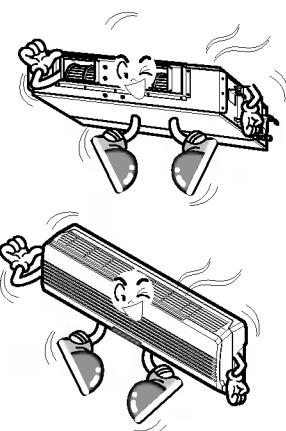
Avoid opening doors and windows as much as possible to keep the cool air in the room.

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.

Ventilate the room occasionally.

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 malfunction persist, please contact your dealer.

Case	Explanation	See page
The air conditioner does not operate.	<ul style="list-style-type: none"> • Have you made a mistake in timer operation? • On first starting, the indoor unit operates in fifteen seconds. 	11, 26
	<ul style="list-style-type: none"> • Has the fuse blown or has the circuit breaker been tripped? 	-
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 restart.	<ul style="list-style-type: none"> • This is the protector of the mechanism. • Wait about three minutes and operation will begin. 	-
Does not cool or heat effectively.	<ul style="list-style-type: none"> • Is the air filter dirty? See air filter cleaning instructions. • The room may have been very hot when the room air conditioner was first turned on. Allow time for it to cool down. 	29
	<ul style="list-style-type: none"> • Has the setting temperature been set incorrectly? 	13, 21
	<ul style="list-style-type: none"> • 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. 	-
Crack sound is heard.	<ul style="list-style-type: none"> • This sound is generated by the expansion/contraction of the inlet grille, etc. due to changes of temperature. 	-
Remote control display is faint, or no display at all.	<ul style="list-style-type: none"> • Has the circuit breaker been tripped? 	-

