

OWNER'S MANUAL AIR CONDITIONER

Please read this manual carefully before operating your set and retain it for future reference.

The equipment complies with requirements of the Technical Regulation, in terms of restrictions for the use of certain dangerous substances in electrical and electronic equipment.



AB37



KZ.O.02.0561



P/NO : MFL41604505

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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.

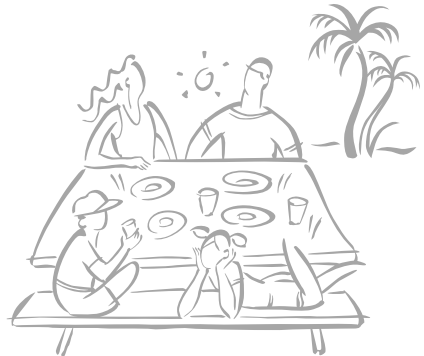
You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of

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.**



Safety Precautions



To prevent injury to the user or other people and property damage, the following instructions must be followed.

■ Incorrect operation due to ignoring instruction will cause harm or damage. The seriousness is classified by the following indications.

⚠ WARNING This symbol indicates the possibility of death or serious injury.

⚠ CAUTION This symbol indicates the possibility of injury or damage.

■ Meanings of symbols used in this manual are as shown below.

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

⚠ WARNING

- | | | |
|---|--|---|
| <p>Always use a power plug and socket with a ground terminal.</p> <ul style="list-style-type: none"> • There is a risk of electric shock. | <p>Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock . | <p>Do not use a multi consent. Always use this appliance on a dedicated circuit and breaker.</p> <ul style="list-style-type: none"> • Otherwise it can cause electric shock or fire. |
| <p>For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock. | <p>Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightning rod or telephone ground wire.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock. | <p>Install the panel and the cover of control box securely.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock due to dust , water etc. |
| <p>Use the correctly rated breaker or fuse.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock. | <p>Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock. | <p>For installation, removal or reinstall , always contact the dealer or an Authorized Service Center.</p> <ul style="list-style-type: none"> • There is risk of fire, electric shock, explosion, or injury. |
| <p>Do not install the product on a defective installation stand. Be sure that the installation area does not deteriorate with age.</p> <ul style="list-style-type: none"> • It may cause product to fall. | <p>Never install the outdoor unit on a moving base or a place from where it can fall down.</p> <ul style="list-style-type: none"> • The falling outdoor unit can cause damage or injury or even death of a person. | <p>When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again.</p> <ul style="list-style-type: none"> • There is risk of fire or electric shock. |
| <p>In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.</p> <ul style="list-style-type: none"> • An charged capacitor can cause electrical shock. | <p>When installing the unit, use the installation kit provided with the product.</p> <ul style="list-style-type: none"> • Otherwise the unit may fall and cause severe injury. | <p>Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment.</p> <ul style="list-style-type: none"> • The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire. |

Safety Precautions

Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.

- Improper or loose connections can cause heat generation or fire.

Be sure to check the refrigerant to the used. Please read the label on the product.

- Incorrect refrigerant used can prevent the normal operation of the unit.

Do not place a heater or other heating appliances near the power cable.

- There is risk of fire and electric shock.

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

- Oxygen deficiency could occur and hence harm your health.

Ventilate the product room from time to time when operating it together with a stove, or heating element etc.

- Oxygen deficiency can occur and hence harm your health.

Take care to ensure that nobody especially kids could step on or fall onto the outdoor unit.

- This could result in personal injury and product damage.

Do not plug or unplug the power supply plug to turn the unit ON/OFF .

- There is risk of fire or electric shock.

Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags.

- Children may play with them and cause injury.

Don't use a power cord, a plug or a loose socket which is damaged.

- Otherwise it may cause a fire or electrical shock.

Do not allow water to run into electric parts. Install the unit away from water sources.

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

Do not open the front grille 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.

Turn the main power off and unplug the unit when cleaning or repairing the product.

- There is risk of electric shock.

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

- There is risk of fire or electric shock.

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.

Make sure to check that the power cable plug is not dirty, loose or broken and then only insert the plug completely.

- Dirty, loose or broken power plug can cause electric shock or fire.

Do not touch , operate, or repair the product with wet hands. Hold the plug by hand when taking out

- There is risk of electric shock or fire.

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

- There is risk of fire.

If strange sounds, smell or smoke comes from product.Immediately turn the breaker off or disconnect the power supply cable.

- There is risk of electric shock or fire.

When the product is not to 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.

Do not place ANYTHING on the power cable.

- There is risk of fire or electric shock.

For inner cleaning, contact an Authorized Service Center or a dealer. Do not use harsh detergent that causes corrosion or damage on the unit.

- Harsh detergent may also cause failure of product, fire, or electronic shock.

CAUTION

Two or more people must lift and transport the product.

- Avoid personal injury.

Keep level even when installing the product.

- To avoid vibration or noise.

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

- It may cause corrosion on the product.

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

- It may cause a problem for your neighbors and hence dispute.

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

- A bad connection may cause water leakage.

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

- Low refrigerant levels may cause failure of product.

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 or splashing water 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.

- 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 after cleaning. Clean the filter every two weeks or more often if necessary.

- A dirty filter reduces the efficiency.

Do not insert hands or other objects through the air inlet or outlet while the product is operating.

- There are sharp and moving parts that could cause personal injury.

Be cautious when unpacking and installing the product.

- Sharp edges could cause injury.

If the refrigerant gas leaks during the repair, do not touch the leaking refrigerant gas.

- The refrigerant gas can cause frostbite (cold burn)

Do not tilt the unit when removing or uninstalling it.

- The condensed water inside can spill .

Do not mix air or gas other than the specified refrigerant used in the system .

- If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.

If the refrigerant gas leaks during the installation, ventilate the area immediately.

- Otherwise it can be harmful for your health.

Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.

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

- There is risk of fire or product failure.

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

- They may burn or explode.

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

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

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.

Do not expose your skin or kids or plants to the cool or hot air draft.

- This could harm to your health.

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, maintaining or repairing the product at an height.

- Be careful and avoid personal injury.

If you eat the liquid from the batteries, brush your teeth and see doctor. Do not use the remote if the batteries have leaked.

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

Electrical Safety

⚠ WARNING

- This appliance must be properly grounded.
To minimize the risk of electric shock, you must always plug into a grounded outlet.
- Do not cut or remove the grounding prong from the power plug.
- Attaching the adapter ground terminal to the wall receptacle cover screw does not ground the appliance unless the cover screw is metal and not insulated, and the wall receptacle is grounded through the house wiring.
- If you have any doubt whether the air conditioner is properly grounded, have the wall receptacle and circuit checked by a qualified electrician.

Temporary Use of an Adapter

We strongly discourage the use of an adapter due to potential safety hazards. For temporary connections, use only a genuine adapter, available from most local hardware stores. Ensure that the large slot in the adapter is aligned with the large slot in the receptacle for a proper polarity connection. To disconnect the power cord from the adapter, use one hand on each to avoid damaging the ground terminal. Avoid frequently unplugging the power cord as this can lead to eventual ground terminal damage.

⚠ WARNING

- Never use the appliance with a broken adapter.

Temporary Use of an Extension Cord

We strongly discourage the use of an extension cord due to potential safety hazards.

⚠ WARNING

This appliance should be installed in accordance with national wiring regulations. This guide acts as a guide to help to explain product features.

Symbols used in this Manual



This symbol alerts you to the risk of electric shock.



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

NOTE

This symbol indicates special notes.

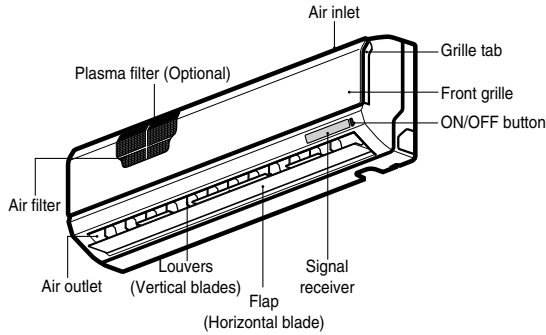
Product Introduction

Here is a brief introduction of the indoor and outdoor units. Please see the information specific to your indoor unit type.

Indoor Units

Standard Split Type

Display panel LED indicators



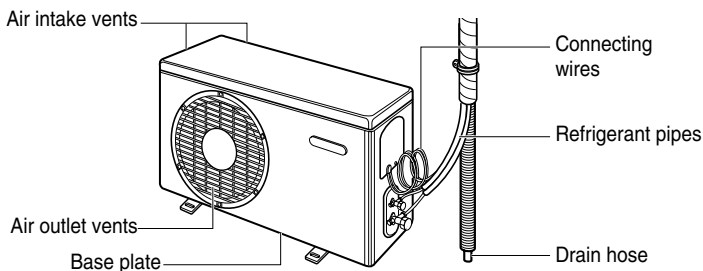
Operation Indication Lamps

- ⓘ On/Off : Lights up during the system operation, error code and auto restart setting.
- Ⓛ Timer : Lights up during timer operation.
- ✱
⊖ Defrost mode : Lights up during defrost mode or ***hot start operation** (Heat pump model only)
- OUT
DOOR Outdoor unit : Lights up during outdoor unit operation. (Cooling model only)
operation

* **Hot start operation**: Stops the indoor fan in heating operation for minutes to prevent cold air from blowing out from unit.

* In defrost mode unit stops heating operation for few minutes to remove formation of ice on the heat exchanger coils to maintain the efficiency.

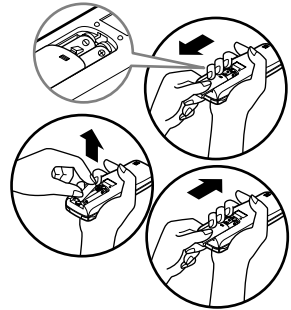
Outdoor Unit



Operating Instructions

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.

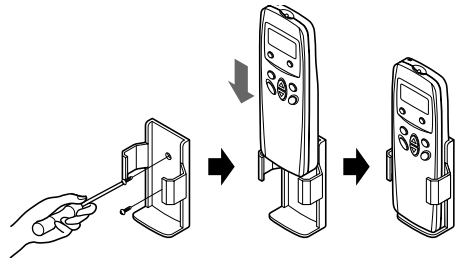


NOTE

1. Always use/replace both batteries of same type.
2. If the system is not to be used for a long time, remove the batteries to save their working life.
3. If the display screen of remote controller starts, fading replace both of the batteries.
4. Use 2 AAA(1.5volt) batteries.

Wireless Remote Controller Maintenance

1. Choose a suitable place where its safe & easy to reach.
2. Fix the holder to wall etc with the supplied screws firmly.
3. Slide the remote controller inside the holder.

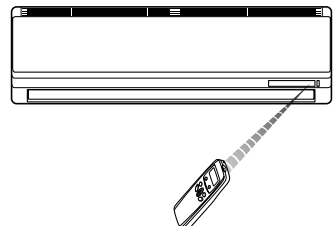


NOTE

1. Remote controller should never be exposed to direct sunlight.
2. Signal transmitter & receiver should always be clean for proper communication. Use a soft cloth to clean them.
3. In case some other appliances also get operated with remote control, change their position or consult your serviceman.

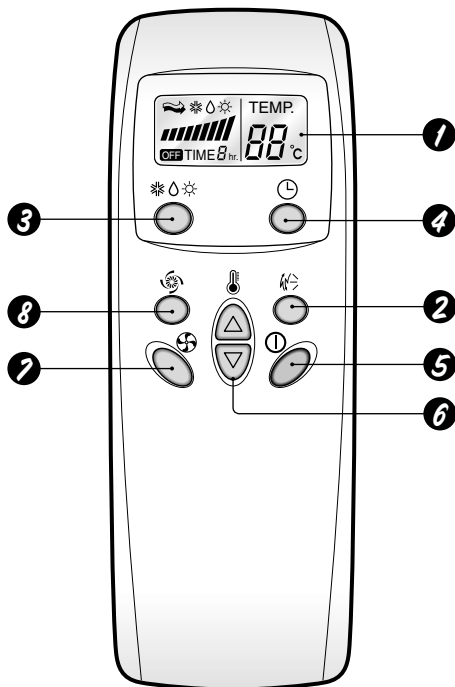
Operating Method

1. The signal receiver is inside the unit.
2. Aim the remote controller towards the unit to operate it. There should not be any blockage in between.



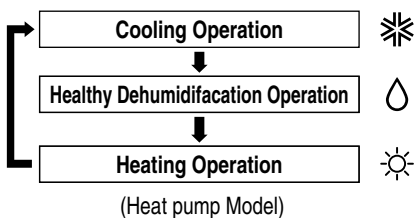
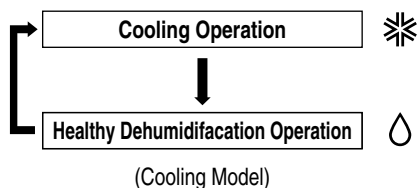
Remote Control Operation

The remote control transmits the signals to the system.



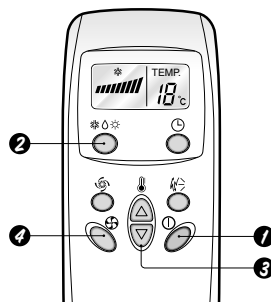
- 1 OPERATION DISPLAY**
Displays the operation conditions.
- 2 CHAOS SWING BUTTON**
Used to stop or start louver movement and set the desired up/down airflow direction.
- 3 OPERATION MODE SELECTION BUTTON**
Used to select the operation mode.
- 4 OFF TIMER BUTTON**
Used to set the time of stopping operation.
- 5 START/STOP BUTTON**
Operation starts when this button is pressed, and stops when the button is pressed again.
- 6 ROOM TEMPERATURE SETTING BUTTONS**
- 7 INDOOR FAN SPEED SELECTION BUTTON**
- 8 JET COOL**
Used to start or stop the speed cooling. (Speed cooling operates super high fan speed in cooling mode.)

(1) Operation Mode



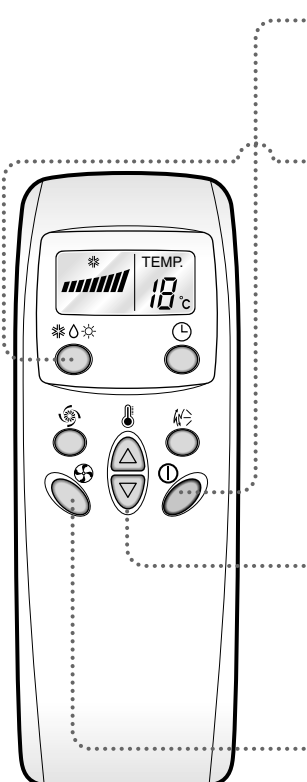
(2) Operation Procedure

- 1st Start/Stop Button**
- 2nd Operation Mode Selection Button**
- 3rd Room Temperature Setting Button**
- 4th Indoor Fan Speed Selection Button**

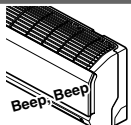




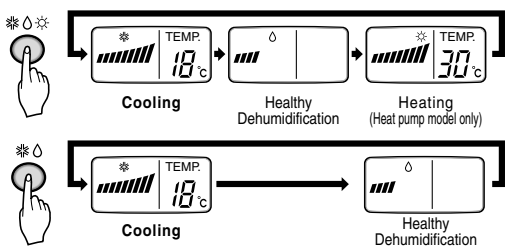
Cooling Operation



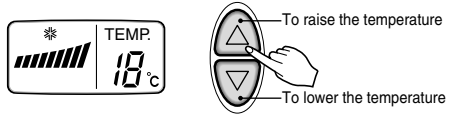
1 Press the Start/Stop Button.

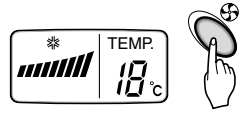
2 Select Cooling Operation.
Press the Operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.



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 .



4 Set the fan speed.
• Select the fan speed in four steps-low, medium, high or CHAOS.
• Each time the button is pressed, the fan speed mode is shifted.
• The display shows high fan speed.



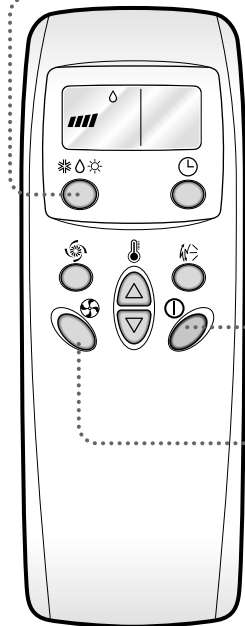
Natural wind by the CHAOS logic

- 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.



Healthy Dehumidification Operation Mode

This mode dehumidifies without overcooling.



1 Press the Start/Stop Button.

2 Select Healthy Dehumidification Operation. Press the Operation Mode Selection Button. Each time the button is pressed, the operation mode is shifted in the arrow direction.

3 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.

During Healthy Dehumidification Operation:

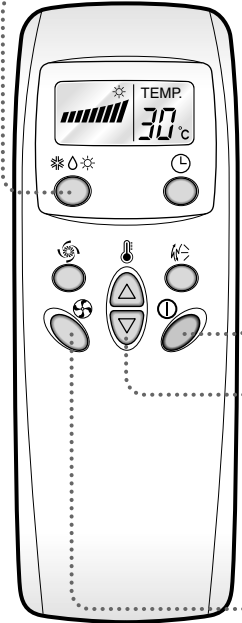
❑ If you select the dehumidification mode on the operation selection button, the airconditioner starts to run the dehumidification function, automatically setting the room temp. and airflow volume to the best condition for dehumidification based on the sensed current room temp.

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


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



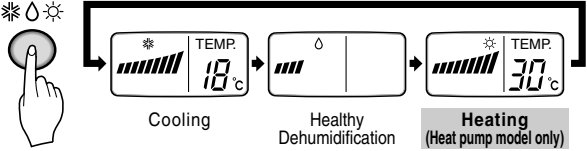
Heating Operation(Heat pump model only)



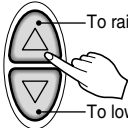
1 Press the Start/Stop button.
The unit will respond with a beep.



2 To select **Heating 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 higher than the room temperature.
The temperature can be set within a range of 16°C~30°C in 1°C increments.



To raise the temperature

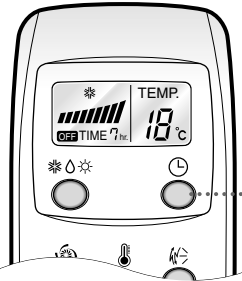
To lower the temperature

4 Set the fan speed again with the door of the remote control still closed. 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.

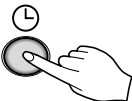
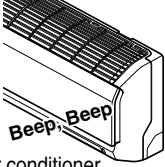



Timer control Setting

OFF TIMER CONTROL SETTING



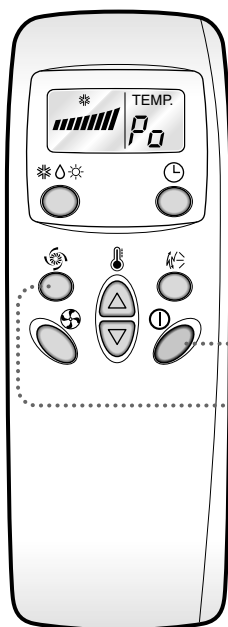
Press the OFF Time Button.

1. Press the OFF Time Button.
2. Check the OFF Time LED of the room air conditioner.
3. The Timer is programmed by 1 hour each pressing the OFF Time button from 1 hour to 7 hours.



Jet Cool Operation



1

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



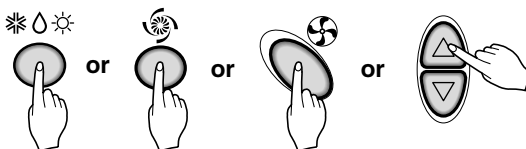
2

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



3

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

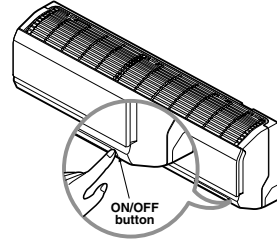


NOTE

- During the JET COOL function at any moment, the A/C starts to blow the cool air at extremely high speed for 30 minutes setting the room temp. automatically to 18°C. It is especially used to cool the room temp. in the shortest time in a hot summer. In heat pump mode the JET COOL function is not available.
- In order to return to the normal cooling mode from the JET COOL mode, you just press either the operation mode selection button, airflow volume selection or temp. setting button or the JET COOL button again.

Forced operation

Operation procedures when the remote control can't be used.
The operation will be started if the ON/OFF button is pressed.
If you want to stop operation, re-press the button.



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

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, Press and hold the ON/OFF button for 3-5 seconds, then the buzzer sound 1 "beep".

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

Vertical / Horizontal Airflow Direction Control (Optional)

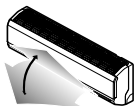
The up/down airflow (Vertical airflow) can be adjusted by using the remote controller.


1. Press the START/STOP BUTTON to start the unit.

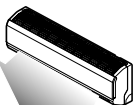
2. Press CHAOS SWING BUTTON.



3. The louvers will swing up & down automatically.



4. To stop the louver at a desired angle, press  again



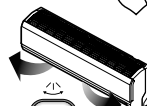
The left/right(Horizontal airflow) can be adjusted by using the remote control.


1. Press the START/STOP BUTTON to start the unit.

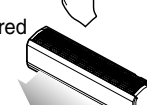
2. Press the HORIZONTAL AIRFLOW DIRECTION BUTTON.



3. The louvers will swing left & right automatically.



4. To stop the louvers at a desired angle, press  again.



NOTE

- By pressing the chaos swing button the horizontal air flow 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 natural breeze.
- Always use the remote controller to adjust the up and down air flow direction. Manually moving the vertical air flow direction louver by hand could damage the mechanism. When the unit is shut off, the up/down airflow direction louver will close the air outlet vent of the system.

Auto Restart Function

This function is useful in the situation of power failure.

When power regains after a failure this feature restore the previous operating condition and the air conditioner will run in the same settings.

NOTE

This feature is enabled by factory default setting, but you can disable it by pressing the ON/OFF button for 6 seconds. The unit will beep twice and the indicator lamp(2) will blink 4 times.

To enable it, press the button again for 6 seconds. The unit will beep twice and the indicator lamp(1) will blink 4 times.



Maintenance and Service

⚠ CAUTION

Before performing any maintenance, turn off the main power to the system, disconnect the circuit breaker and unplug the power cord.

Indoor Unit

Clean the unit with a soft dry cloth. Do not use bleach or abrasives.

⚠ CAUTION

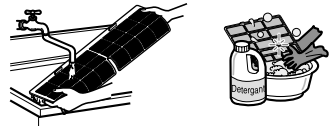
Never use any of these

- Water hotter than 40°C. It may cause deformation and discoloration.
- Volatile substances. They may damage the surface of the air conditioner.



Air Filters

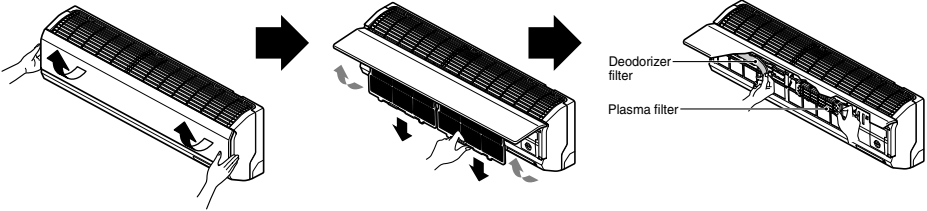
The air filters behind the front panel / grill should be checked and cleaned once in every 2 weeks or more often if necessary. To remove the filters see the self explanatory diagrams for each model type. Clean the filters with a vacuum cleaner or warm soapy water. If dirt is not easily removed, wash with a solution of detergent in luke warm water. Dry well in shade after washing and reinstall the filters back in place.



Removal of Filters

Open the front panel as shown.

Then pull the filter tab slightly forward to remove the air filter.

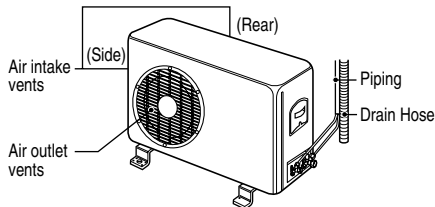


Outdoor Unit

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

NOTE

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



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 Turn off the circuit breaker, and disconnect the plug.

⚠ 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.

- 2 Remove the batteries from the remote control.

When the air conditioner is to be used again.

- 1 Clean the air filter and install it in the indoor unit.
(Refer to page 12 for cleaning filters.)
- 2 Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.

Operation Tips

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

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.	• Have you made a mistake in timer operation?	
	• Has the fuse blown or has the circuit breaker been tripped?	-
The room has a peculiar odor.	• Check that this is not a damp smell exuded by the walls, carpet, furniture, or cloth items in the room.	-
It seems that condensation is leaking from the air conditioner.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	-
Air conditioner does not operate for about 3 minutes when restarted.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.	-
Does not cool or heat effectively.	• Is the air filter dirty? See air filter cleaning instructions.	16
	• Has the temperature been set incorrectly?	10, 12
	• Are the indoor unit's air inlet or outlet vents obstructed?	-
The air conditioner operation is noisy.	• For a noise that sounds like water flowing. -This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like the compressed air releasing into atmosphere. -This is the sound of the dehumidifying water being processed inside the air conditioning unit.	-
Remote control display is faint, or no display at all.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?	8
Crack sound is heard.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	-

