LG

Inverter

Free Joint Multi Type Air Conditioner

OWNER'S MANUAL

Please read through this manual. It contains valuable information about your air conditioner. This manual may help save time and money by explaining proper product maintenance and preventing improper use.

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.

MODELS

Indoor Unit : FMN07602L
FMN09602L
FMN12602L
FMN18602L
FMN24602L

Outdoor Unit : FMU[illegible]60N6L

Prior to installation, this air-conditioning unit must be submitted for approval by the utility service that provides electricity (EN 61000[illegible].)

TABLE OF CONTENTS

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 _____

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.*



CAUTION

- *Contact the authorized service technician for repair or maintenance of this unit.*
- *Contact the installer for installation of this unit.*
- *The air conditioner is not intended for use by young children or 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.*
- *Installation work must be performed in accordance with the national wiring standards by authorized personnel only.*

To prevent injury and property damage, follow these instructions.

⚠ Incorrect operation due to ignoring instructions will cause harm or damage, the seriousness of which is indicated by the following symbols.

⚠ **WARNING**	This symbol shows the possibility of death or serious injury.
⚠ **CAUTION**	This symbol indicates the possibility of injury or damage to property.

⊘	***Never Do This***
❗	***Always Do This***

⚠ WARNING

■ **Do not install, remove and reinstall the unit by yourself.**

- Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer or specialist for the installation work. Please note fault caused by improper installation is not covered by warranty.
- Unit must be installed in an easily accessible area. Any additional cost required to hire a special equipment to service the unit will be the responsibility of the customer.

⚠ WARNING

- It will cause electrical shock or fire.
- If the supply cord is damaged, it must be replaced by a service agent or a similarly qualified person in order to avoid a hazard.

- It may cause electrical shock.

- It will cause electrical shock or fire due to heat generation.



- It will cause electrical shock or fire due to heat generation.



- This could damage your health.



- If the unit continues to be operated in an abnormal condition, it may cause a fire, trouble, etc. In this case, consult your dealer.



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

⚠ CAUTION

- Contact the authorized Service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The air conditioner is not intended for use by young children or infirm persons without supervision.
- Young children should be supervised to ensure that they do not play with the air conditioner.

⚠ CAUTION



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



- An oxygen shortage may occur.



- Since the fan rotates at high speed during operation, it may cause an injury.



- This could injure the pet or plant.



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



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



- It may cause imperfect combustion.



- It may cause an injury.



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



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



- It may case an injury, etc. by falling down.



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



- If will cause electrical shock or fire.



- It may cause an injury.



- It will cause an injury by the rotating blower.

Indoor Unit

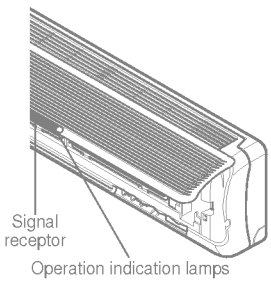
Signal Receptor

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

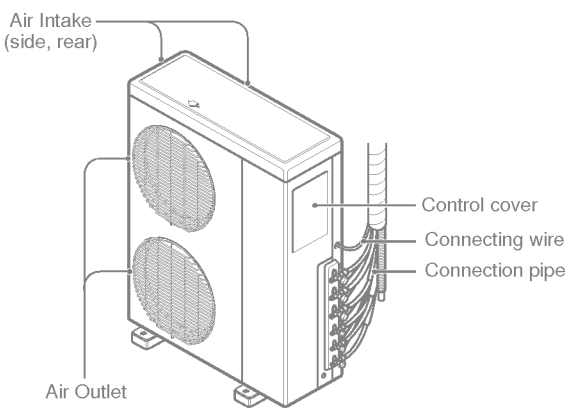
Operation Indication Lamps

Room Type Indoor Unit

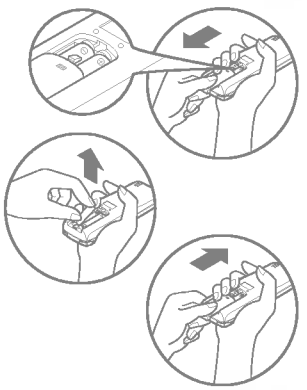
- On/Off : Lights up during the system operation.
- Sleep Mode : Lights up during Sleep Mode Auto operation.
- Timer : Lights up during Timer operation.
- Defrost Mode : Lights up during Defrost Mode or Hot Start operation.



Outdoor Unit



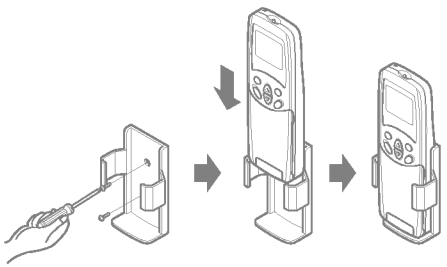
1. Remove the battery cover by pulling it according to the arrow direction.
2. Insert new batteries making sure that the (+) and (-) of battery are installed correctly.
3. Reattach the cover by sliding it back into position.

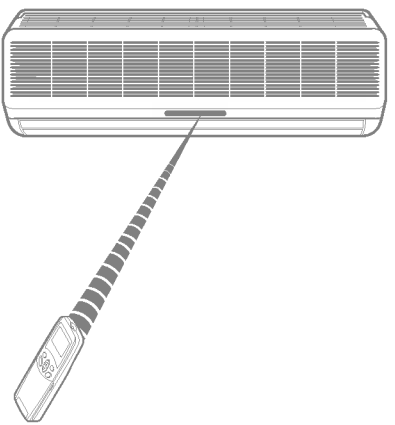


NOTES:

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

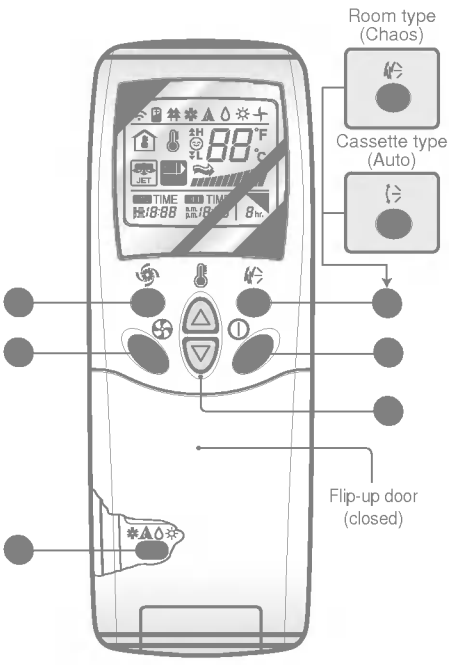
- The remote control may be stored mounted on a wall.
- To operate the room air conditioner, aim the remote control at the signal receptor.





- The remote control will operate the air conditioner at a distance of up to 7m.

The remote control transmits the signals to the system.



START/STOP BUTTON
Operation starts when this button is pressed and stops when the button is pressed again.

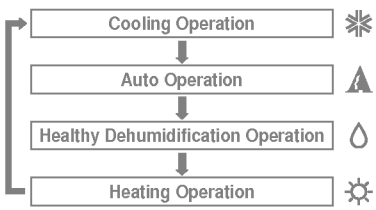
OPERATION MODE SELECTION BUTTON
Used to select the operation mode.

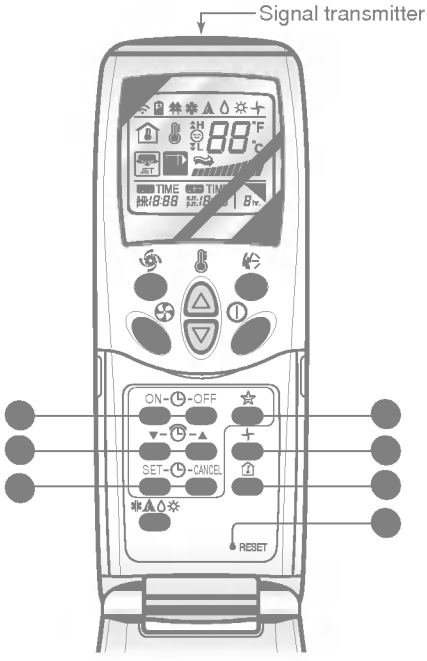
ROOM TEMPERATURE SETTING BUTTONS
Used to select the room temperature.

INDOOR FAN SPEED SETTING BUTTONS
Used to select fan speed in four steps low, medium, high, or chaos/auto.

JET COOL
Used to start or stop the speed cooling. (Speed cooling operates super high fan speed in cooling mode.)

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





ON/OFF TIMER BUTTONS
Used to set the time of starting and stopping operation.

TIME SETTING BUTTONS
Used to adjust the time. (See page 14)

TIMER SET/CANCEL BUTTONS
Used to set the timer when the desired time is obtained and to cancel the Timer operation. (See page 14)

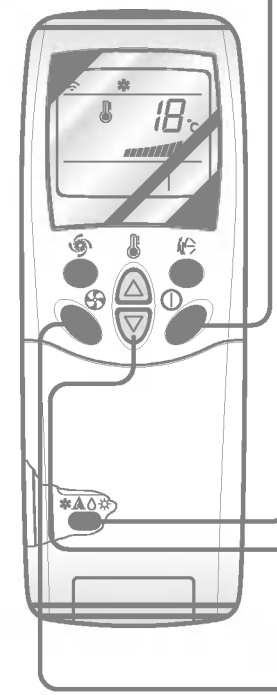
SLEEP MODE AUTO BUTTON
Used to set Sleep Mode Auto operation. (See page 14)

AIR CIRCULATION BUTTON
Used to circulate the room air without cooling or heating (turns indoor fan on/off). (See page 15)

ROOM TEMPERATURE CHECKING BUTTON
Used to check the room temperature.

RESET BUTTON
Used prior to resetting time or after replacing batteries.

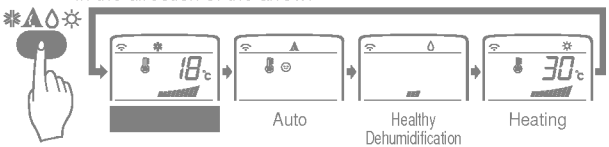
Cooling Operation



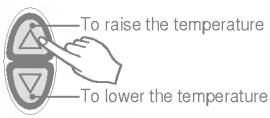
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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 Close the door on the remote control. Set the temperature lower than the room temperature. The temperature can be set within a range of 18℃~30℃ in 1℃ increments.



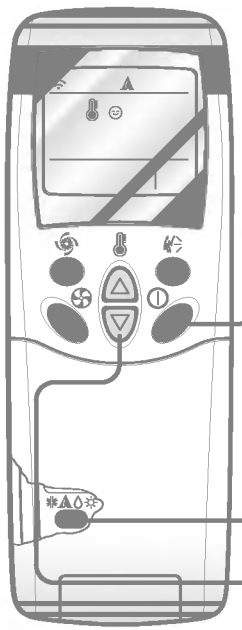
4 Set the fan speed again with the door of the remote control still closed. You can select the fan speed in four steps-low, medium, high, or chaos/auto. Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

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

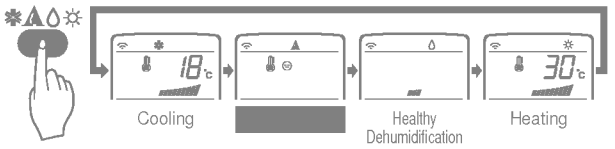
Auto Operation



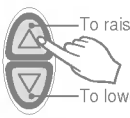
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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, close the door on the remote control and press the Room Temperature Setting buttons. The cooler or warmer you feel, the more times (up to two times) you should press the button. The set temperature will then be changed automatically.

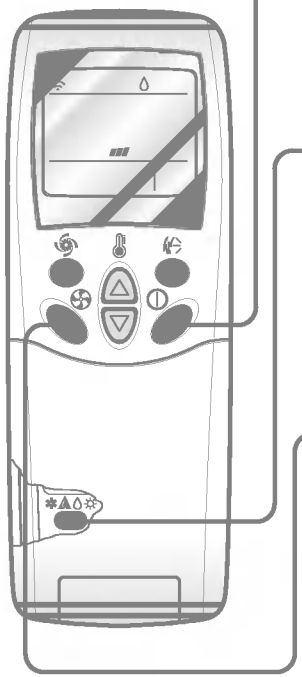




During Auto Operation:

- ❑ 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, it must be done by manually resetting.
- ❑ 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 this operation, the heat pump model is being operated automatically in the cooling mode when the room temperature is higher than 24℃ and in the heating mode when the room temperature is lower than 21℃. However, this heat pump model cannot be operated in cooling and heating at the same time in different place.

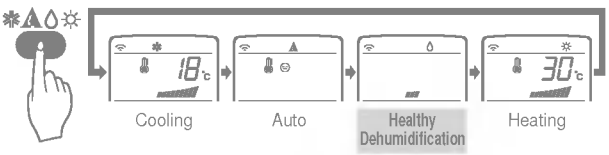
Healthy Dehumidification Operation



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



2 Open the door on the remote control. 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 again with the door of the remote control still closed. You can select the fan speed in four steps-low, medium, high, or chaos/auto. Each time the button is pressed, the fan speed mode is shifted.



NATURAL WIND BY THE CHAOS LOGIC

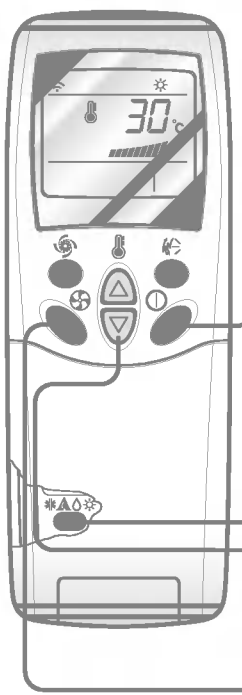
❑ For more fresh feeling than other fan speed, press the Indoor Fan Speed Selector and set to chaos/auto mode. In this mode, the wind blows like natural breeze by automatically changing fan speed according to the chaos logic.

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 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 chaos/auto of 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.

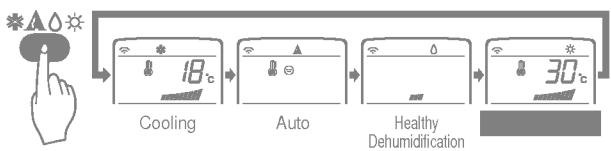
Heating Operation



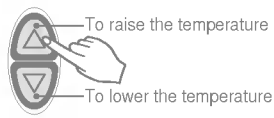
1 Press the Start/Stop button.
The unit will respond with a beep.



2 Open the door on the remote control. 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 Close the door on the remote control.
Set the temperature higher than the room temperature.
The temperature can be set within a range of 16℃~30℃ in 1℃ increments.



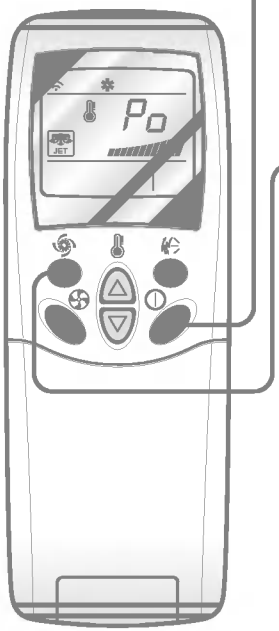
4 Set the fan speed again with the door of the remote control still closed. You can select the fan speed in four steps–low, medium, high, or chaos/auto. Each time the button is pressed, the fan speed mode is shifted.



Natural wind by the CHAOS logic

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

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.



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

Sleep Mode Auto Operation

- Press the Sleep Mode Auto button to set the time you want the unit to turn off automatically.



- 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.
- 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 ℃ over the next 30 minutes and by 2℃ in 1 hour for comfortable sleeping.

Time Setting

- 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.

Press the Start/Stop button.



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



- Press the Timer SET button.



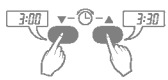
Note: *Check the indicator for A.M. and P.M.*

ON/OFF Timer Operation

- Make sure the time is set correctly on the remote control display.
- Press the ON/OFF Timer buttons to turn Timer on or off.



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



- 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.)

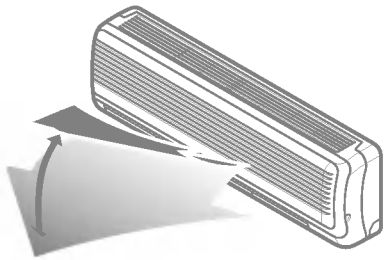
NOTE: *Select one of the following four types of operation.*

with the unit running



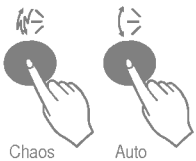
Delay OFF Timer | Delay ON Timer | Delay OFFand ON Timer | Delay ONand OFF Timer

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



Press the Start/Stop button to start the unit.

Press chaos/auto swing button and the louvers will swing up and down. Press the chaos/auto swing button again to set the vertical louver at the desired airflow direction.



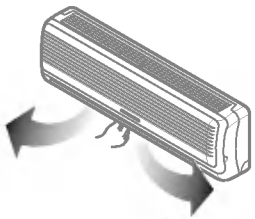
Note:

- ❑ If you press the chaos/auto 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 on the room type indoor unit only.

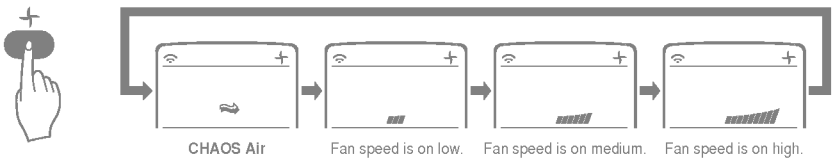
Caution : Ensure unit is turned off before adjusting the horizontal airflow direction control. Carefully open vertical louver to allow access to the horizontal airflow direction.

Adjust the left/right airflow direction by hand.



Circulates the room air without cooling or heating.

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



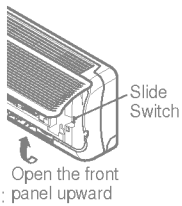
Note:

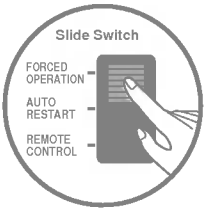
❑ **CHAOS Air** economizes power consumption and prevents overcooling. The fan speed is automatically changed from high to low or vice versa, depending on the ambient temperature.

Forced Operation Function

Room Type Indoor Unit

Operation procedures when the remote control can't be used.
Open the front panel upward and move the Slide Switch to the Forced Operation position.
If you want to stop operation, move the Slide Switch to the Auto Restart or the Remote Control position.
In case the power comes on again after power failure on the Forced Operation position, the operating conditions are automatically set as follows:
During Forced Operation, the initial mode continues.





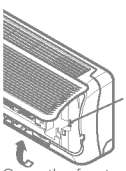
❑ During this operation, the heat pump model is being operated automatically in the cooling mode when the room temperature is higher than 24℃ and in the heating mode when the room temperature is lower than 21℃. However, this heat pump model cannot be operated in cooling and heating at the same time in different place.

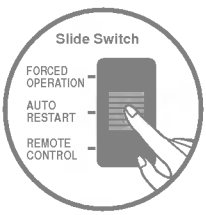
Auto restart

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.

If you want to use this operation, Open the front panel upward and move the slide switch to the Auto Restart position.

If you do not want to use this operation, move the Slide Switch to the Remote Control position.

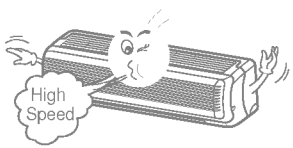




When you are out for a while, put the Slide Switch on the Remote Control.

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.

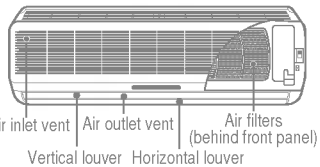


CAUTION: *Before performing any maintenance, turn off the main power to the system.*

Grille, Case, and Remote Control

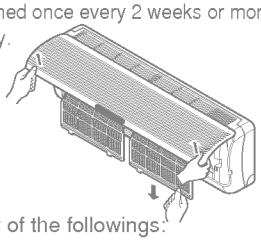
❑ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE:
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 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.



● Lift the front access panel and pull the filter tab slightly forward to remove the filter.

● 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.

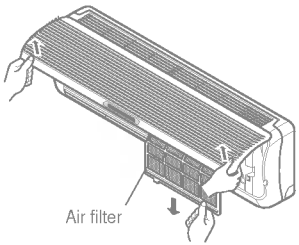
● After washing with water, dry well in the shade.

● Re-install the air filter.

Replacement of Purifying Filter(Optional)

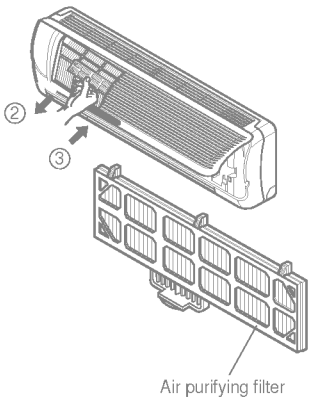
• Recomended use period : About 2 years

● Open front panel and remove air filters.

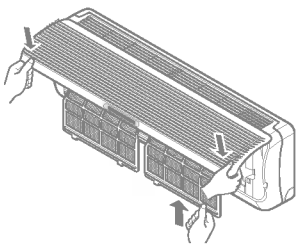


● Remove air purifying filters.

● Insert new air purifying filters.



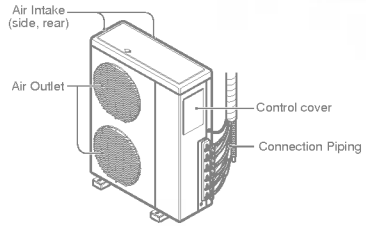
● Reinsert air filters and close front panel.



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.



...ine

- Operate the air conditioner on Air circulation mode (Refer to page15) for 2 to 3 hours.
  • This will dry out the internal mechanisms.
- Turn off the circuit breaker, and disconnect the plug.
- Remove the batteries from the remote control.

⚠ 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.

- Clean the air filter and install it in the indoor unit.
  (Refer to page 17 for cleaning filters.)
- Check that the air inlet and outlet of the indoor/outdoor unit are not blocked.
- **Check that the ground wire is connected correctly. It may be connect to the indoor unit side.**

...

...vercool the room.

This is not good for the health and wastes electricity.

...nds or curtains ...sed.

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

...room temperature ...iform.

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

Make sure that the doors and windows ...

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

...lean 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.

...lean the room ...easionally.

Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

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

air conditioner	e room has a	seems that	conditioner does
• Have you made a mistake in timer operation? • Has the fuse blown or has the circuit breaker been tripped?	• Check that this is not a damp smell exuded by the walls, carpet, furniture or cloth items in the room.	• Condensation occurs when the airflow from the air conditioner cools the warm room air.	• This is the protector of the mechanism. • Wait about three minutes and operation will begin.
ot cool/heat	ir conditi	sound is	mote control
• 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. • Has the temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed?	• 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.	• This sound is generated by the expansion/constriction of the front panel, etc. due to changes of temperature.	• Are the batteries depleted? • Are the batteries inserted in the opposite (+) and (-) directions?



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After reading this manual, keep it in a place easily accessible to the user for future reference.