website http://www.lgservice.co

LG

LG Cassette-Type Air Conditioner

OWNER'S MANUAL

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

ENGLISH

ITALIANO

ESPAÑOL

FRANÇAIS

DEUTSCH

IMPORTANT

- [illegible] manua[illegible] and thoroughly [illegible] erating [illegible] air conditioner. [illegible] er's ma[illegible] ture reference after [illegible] y.

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

■ Staple your receipt to this page in the event you need it to prove date of purchase or for warranty issues.

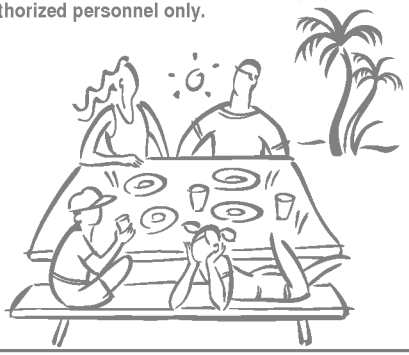
READ THIS MANUAL

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.**



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

■ Installation

[redacted]

• Contact your dealer and service center.

[redacted]

• It will cause fire or electric shock.

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

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

Do not install where flamable gas could leak.

• Otherwise, it may cause esplosion or fire.

Do not install the product on an defected installation stand.

• Otherwise, It may cause injury or accident.

Be cautious when unpack and install the product.

• Sharp edges could cause injury.

For installation, always contact the dealer or service center.

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

Do not install the product on an defected installation stand.

• Otherwise, It may cause injury or accident.

For electric work, contact the dealer or service center.

• It will cause fire or electric shock.

[redacted]

• It will cause fire or electric shock.

Always intstall an circuit breaker and main breaker.

• No installation may cause fire and electric shock.

■ Operation

Do not touch(operate) product with wet hands.

• Otherwise, it may cause fire or electric shock.

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

• Otherwise, it may cause electric shock or fire.

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

• Otherwise, it may cause fire and electric shock.

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

• Otherwise, an ozygen shortage may occur.

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

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

Do not place heavy object on the power cable.

• Otherwise, it may cause fire or electric shock.

When the product is flooded, contact the service center.

• Otherwise, it may cause fire or eletric shock.

• Otherwise, it may cause fire or electric shock.

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

• Otherwise, it may cause fire or electric shock.

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

• Otherwise, it may cause electric shock or failure.

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

• Otherwise, it may cause personal injury.

Be cautious that children could not step on the product.

• Otherwise, children may be seriously injured.

• Otherwise, it may cause personal injury and failure of product.

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

• Otherwise, it may cause fire or electric shock.

⚠CAUTION

■ Installation

Always inspect gas leakage after installation and repair of product.

• Otherwise, it may cause failure of product.

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

• Otherwise, it may cause water leakage.

• Otherwise it may harm to your health.

Keep the level even in installing the product.

• Otherwise, it may cause vibration or water leakage.

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

- Otherwise, it may cause dispute with the neighborhoods.

■ Operation

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

- Otherwise, it may harm to your health.

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

- Otherwise, it may cause explosion or fire.

Turn the main power off when cleaning the product.

- Otherwise, it may cause fire and electric shock.

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

- This could injure the pet or plant.

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

- Otherwise, it may cause loss of property.

Stop operation and close the window in strom or hurricane.

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

Do not place obstacles aroud the flow inlet or outlet.

- Othewise, it may cause failure of product.

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

- Otherwise, it may cause failure of the product.

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

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

- Otherwise, it may harm to your health.

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

- Otherwise, it may cause personal injury.

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

- Otherwise, it may cause suffocation due to poor oxygen.

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

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

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

- Otherwise, it may cause personal injury.

Replace the 2 batteries with new ones of same type.

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

- Otherwise, it may cause fire or an explosion.

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

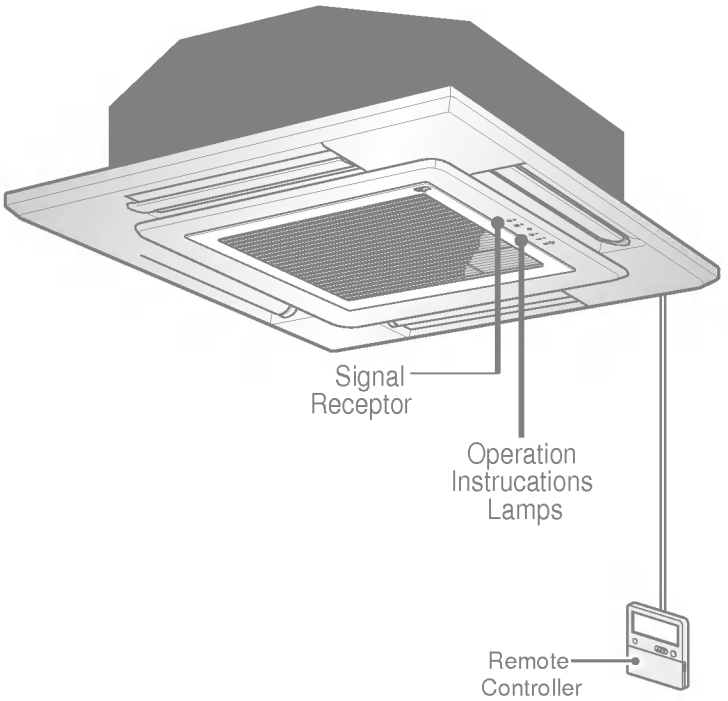
- Otherwise it may harm to your health.

- Otherwise, It will cause fire or electric shock.

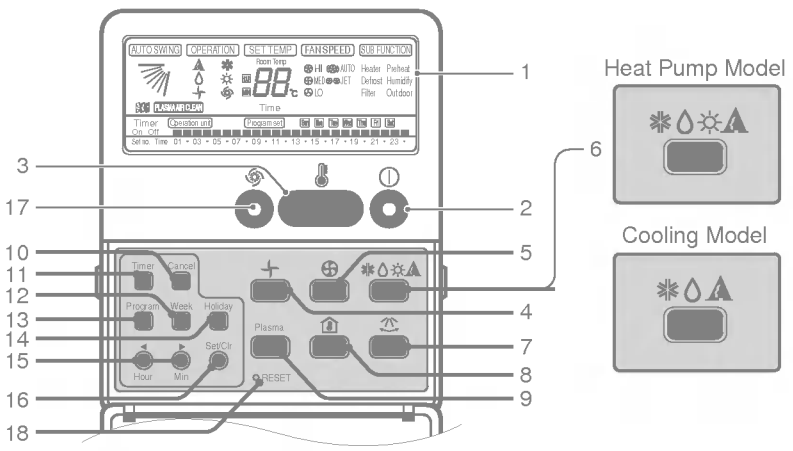
Signal Receptor
Receives the signals from the remote control.
(Signal receiving sound: two short beeps or one long beep.)

Cassette Type Indoor Unit

⏻	On/Off	: Lights up during the system operation.
▨	Filter Sign	: Lights up after 2400 hours from the time of first operating unit.
◷	Timer	: Lights up during Timer operation.
❄	Defrost Mode	: Lights up during Defrost Mode or Hot Start operation.
☝	Forced Operation	: Operation procedures when the remote control can't be used.



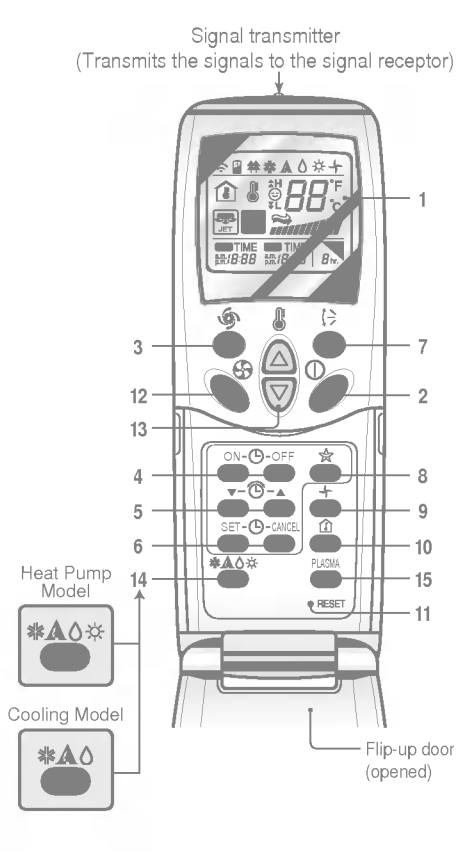
Remote Controller



- **Operation display**
  Displays the operation conditions.
- **On/Off Button**
  Operation starts when this button is pressed, and stops when the button is pressed again.
- **Set Temperature Button**
  Used to set the temperature when the desired temperature is obtained.
- **FAN Operation Button**
  Used to circulate room air without cooling or heating.
- **Fan Speed & Jet Cool Button**
  Used to set the desired fan speed and select Jet cool mode.
- **Operation Mode Selection Button**
  Used to select the operation mode.
  - Auto Operation Mode
  - Cooling Operation Mode
  - Soft Dry Operation Mode
  - Heating Operation Mode(except cooling model)
- **Auto Swing Button**
  Used to swing up and down.
- **Room Temperature Checking Button**
  Used to check the room temperature.
- **Plasma Air Clean Button (optional)**
- **Timer Cancel Button**
  Used to cancel the timer.
- **Timer Set Button**
  Used to set the timer when the desired time is obtained.
- **Week Button**
  Used to set a day of the week.
- **Program Button**
  Used to set the weekly timer.
- **Holiday Button**
  Used to set a holiday of the week.
- **Time Set Button**
  Used to set the time of the day and change the time in the weekly timer Function.
- **Set and Clear Button**
  Used to set and clear the weekly timer.
- **Swirl Button**
  Used to select swirl mode.
- **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.

This air-conditioner is equipped with wired remote controller basically. But if you want to be available with wireless remote controller, you pay for it.



- **OPERATION DISPLAY**
  Displays the operation conditions.
- **ON/OFF BUTTON**
  Operation starts when this button is pressed and stops when the button is pressed again.
- **JET COOL BUTTON**
  Used to select jet cool mode.
- **ON/OFF TIMER BUTTONS**
  Used to set the time of starting and stopping operation.
- **TIME SETTING BUTTONS**
  Used to adjust the time.
- **TIMER SET/CANCEL BUTTONS**
  Used to set the timer when the desired time is obtained and to cancel the Timer operation.
- **AIR SWING BUTTON**
  Used to swing up and down.
- **SLEEP MODE BUTTON**
  Used to set Sleep Mode Auto operation.
- **AIR CIRCULATION BUTTON**
  Used to circulate the room air without cooling or heating (turns indoor fan on/off).
- **ROOM TEMPERATURE CHECKING BUTTON**
  Used to check the room temperature.
- **RESET BUTTON**
  Used prior to resetting time or after replacing batteries.
- **INDOOR FAN SPEED SELECTOR**
  Used to select fan speed in four steps-low, medium, high, or CHAOS.
- **ROOM TEMPERATURE SETTING BUTTONS**
  Used to select the room temperature.
- **ORERATION MODE SELECTION BUTTON**
  Used to select the operation mode.
- **PLASMA AIR CLEAN BUTTON(OPTIONAL)**

※ The wireless remote controller do not operate the swirl mode.

CAUTION:of handling the Remote Controller

- **Aim at the signal receptor on the wired remote controller so as to operate.**
- **The remote control signal can be received at a distance of up to about 7m.**
- **Be sure that there are no obstructions between the remote controller and the signal receptor.**
- **Do not drop or throw the remote controller.**
- **Do not place the remote controller in a location exposed to direct sunlight, or near the heating unit, or any other heat source.**
- **Block a strong light over the signal receptor with a curtain or etc. so as to prevent the abnormal operation. (ex:electronic quick start, ELBA, inverter type fluorescent lamp)**

Unless you press any button about 5 (sometimes 10) seconds while setting function, the setting mode returns to initial mode.

1 Press the ' Hour ' button.

Each time the button is pressed, the number is changed from 00 to 23.
This number indicates current hour.

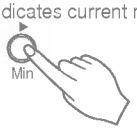


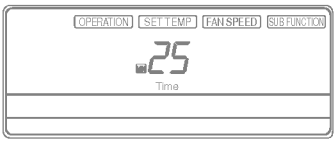


For example, if it is 14:25, press Hour button 14 times.

2 Press the ' Min ' button.

Each time the button is pressed, the number increases from 00 to 59.
This number indicates current minute.





For example, if it is 14:25, press Min button 25 times.

3 Press ' Week ' button.

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



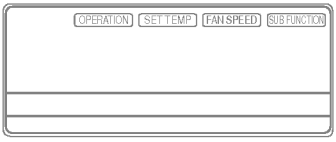


For example, if today is Wed, press Week button 3 times.

4 Press the ' ● RESET ' button.

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

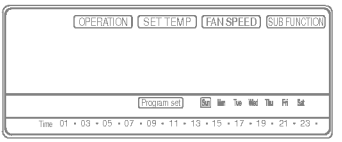




1 Press the Program button.

The remote controller is displayed like a picture. Then ' Program set ', ' Sun ' 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.

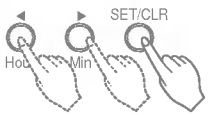
3 Select the time you want.

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

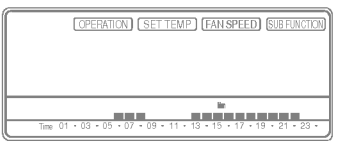
If you press SET/CLR button, then ' ▪ ' shape appears.

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

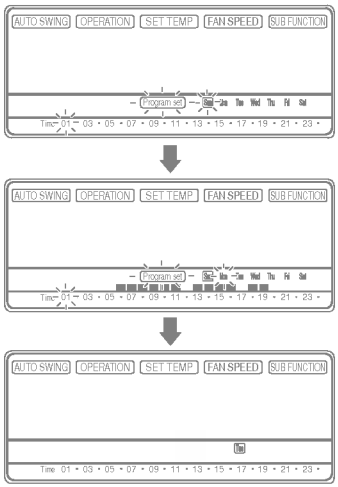
Using below buttons, you can reserve time.



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



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



- Press the Program button.



- Press the Week button.
  Select the Tuesday.



- Press the Holiday button.



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

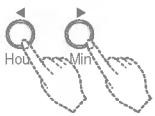
❉ You cannot set the weekly program for a holiday.

If you want to turn it 'ON' during 'OFF' mode or turn it 'OFF' during 'ON' mode, you can use timer setting function.

- Press the Timer button.



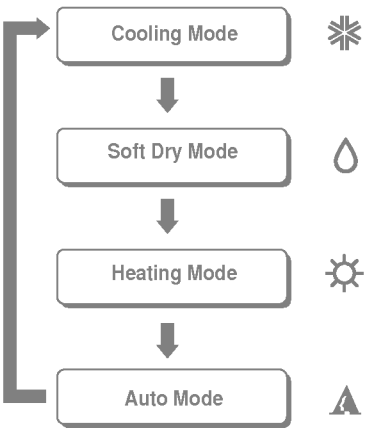
- Press Hour or Min button, then you can control the desired time.
  If you press Min button, the display panel shows (ex : 01 • 03).
  It means 3 hours later, it will stop while 'ON' mode, it will operate while 'OFF' mode.



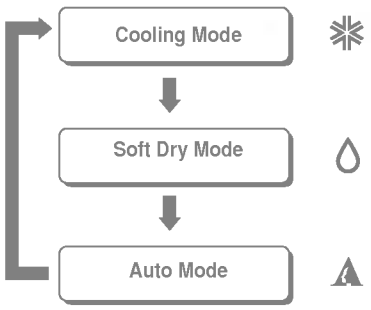
- If you want to cancel the timer setting function, press the Cancel button.



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



(Heat Pump Model)



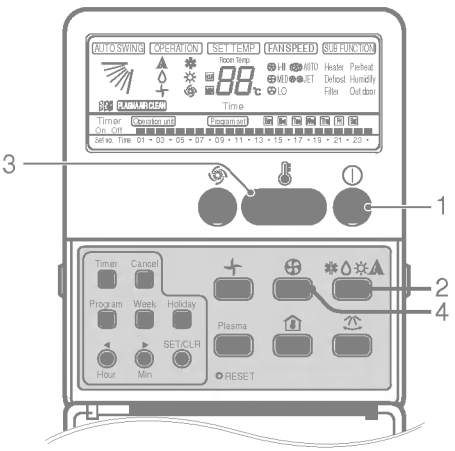
(Cooling Model)

1st On/Off Button

2nd Operation Mode Selection Button

3rd Room Temperature Setting Button

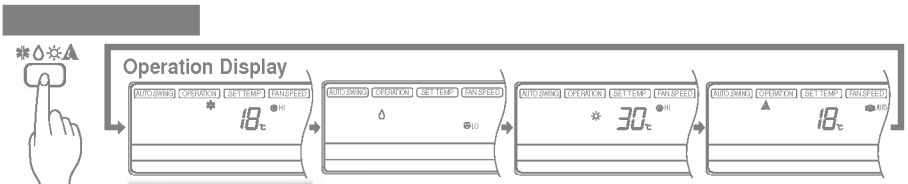
4th Indoor Fan Speed Selection Button

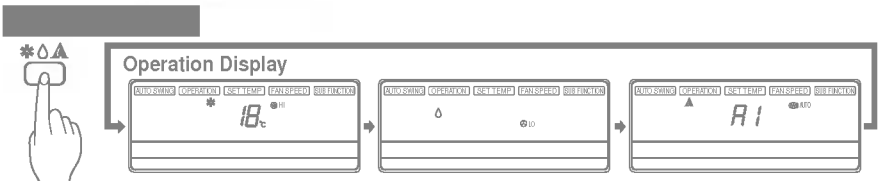


1 Press the On/Off Button.



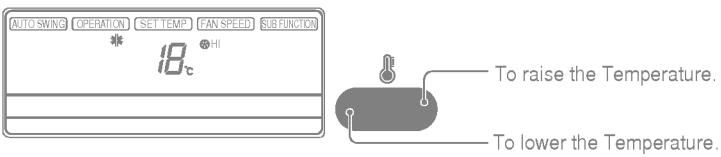
2 Select Cooling Operation.
Press the Operation Mode Selection Button.
Each time the button is pressed, the operation mode is shifted in the arrow direction.



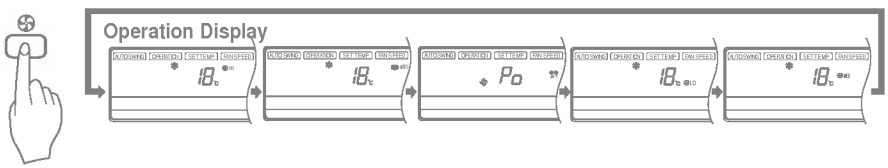


3 Set the temperature lower than the room temperature.

• The temperature can be set within a range of 18℃ ~ 30℃ by 1℃ .



4 Set the fan speed.



• Select the fan speed in five steps-high, auto, power jet, low, medium.
• The display shows high fan speed.
• Each time the button is pressed, the fan speed mode is shifted.

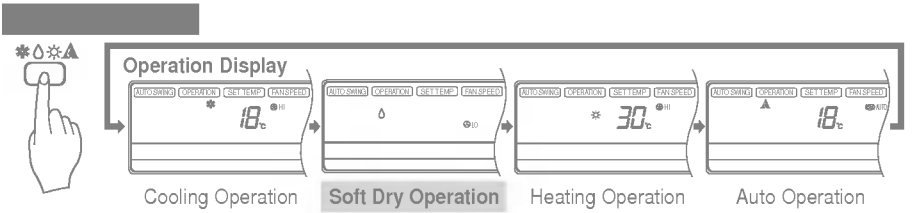
This mode dehumidifies without overcooling.

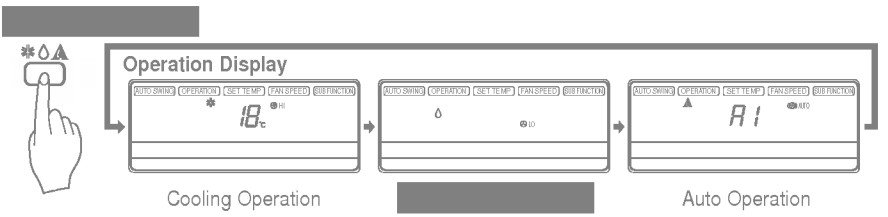
1 Press the On/Off Button.



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 Dry Operation.

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

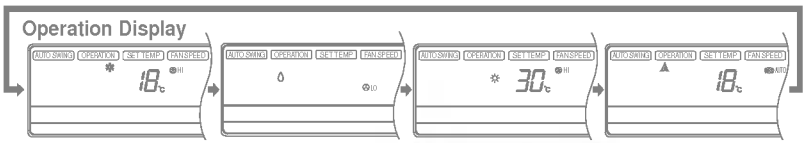
1 Press the On/Off Button.



2 Select Heating Operation.

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



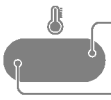


Cooling Operation | Soft Dry Operation | **Heating Operation** | Auto Operation

3 Set the temperature higher than the room temperature.

• The temperature can be set within a range of 16℃~30℃ by 1℃.



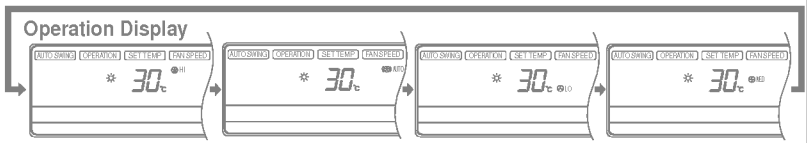


To raise the Temperature.

To lower the Temperature.

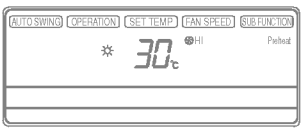
4 Set the fan speed.



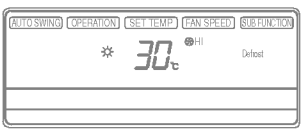


- Select the fan speed in four steps-high, Auto, low, medium.
- The display shows high fan speed
- Each time the button is pressed, the fan speed mode is shifted.

5 This air-conditioner is set to the hot start control in order not to discharge the cold air during the heating operation. This time, the remote controller indicates 'Preheat'.



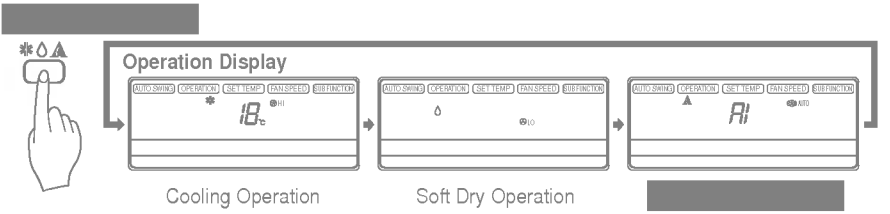
6 If the outdoor temperature is too low during the heating operation, this air-conditioner is set to the defrosting operation and the remote controller indicates 'Defrost'.



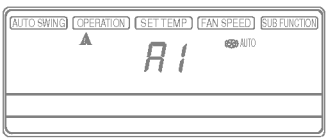
1 Press the On/Off Button.



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.

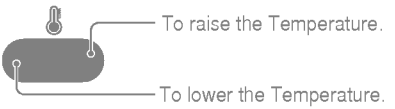


3 The temperature and fan speed are automatically set by the electronic controls based on the actual room temperature. If you want to change the set temperature, close the door on the remote control and press the Room Temperature Setting buttons. The cooler or warmer you feel, the more times (up to two times) you should press the button. The set temperature will then be changed.
The temperature can be set within a range of -2~2 by 1 level.



(This indication will be shifted to the initial Auto Mode Display state after 5 seconds.)





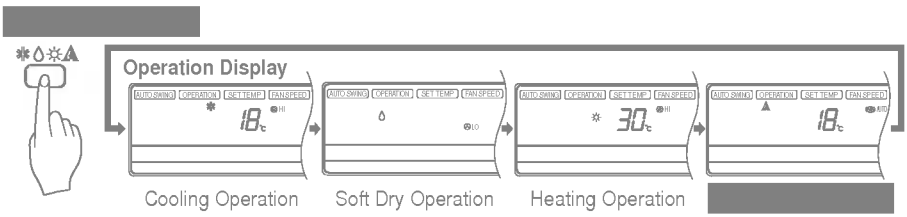
During Auto Operation:

- ❑ 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.

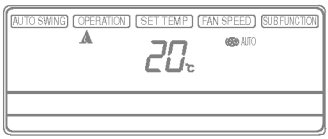
1 Press the On/Off Button.



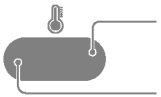
2 To select **Auto Operation**, press the Operation Mode Selection button.
Each time the button is pressed, the operation mode is shifted in the direction of the arrow.



3 The setting temperature can be changed, when the set temperature button is pressed.



• The temperature can be set within a range of 18℃~30℃ by 1℃.



During Auto Operation:

❑ You can switch the indoor fan speed.

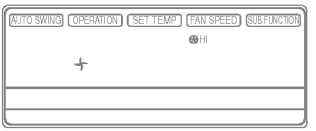
❑ The system will automatically switch from the cooling mode to the heating mode, or from heating to cooling, when you select Auto Opration mode.

1 Press the On/Off Button.



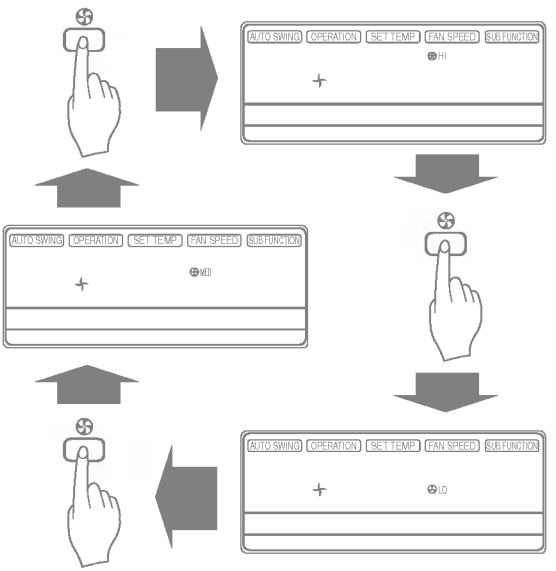
2 Press FAN Operation Button.

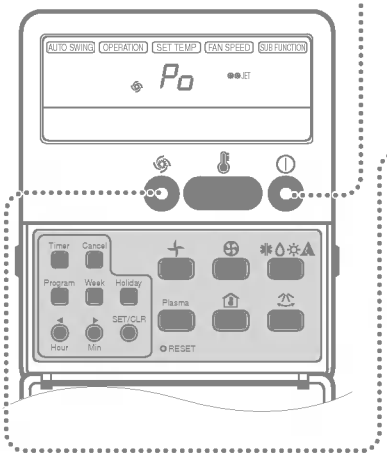




3 Each time Fan Speed button is pressed, the fan speed mode is shifted in the arrow direction.

- Fan speed is high.
- Fan speed is medium.
- Fan speed is low.





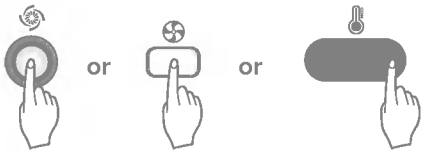
1 Press the On/Off button. The unit will respond with a beep.



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.



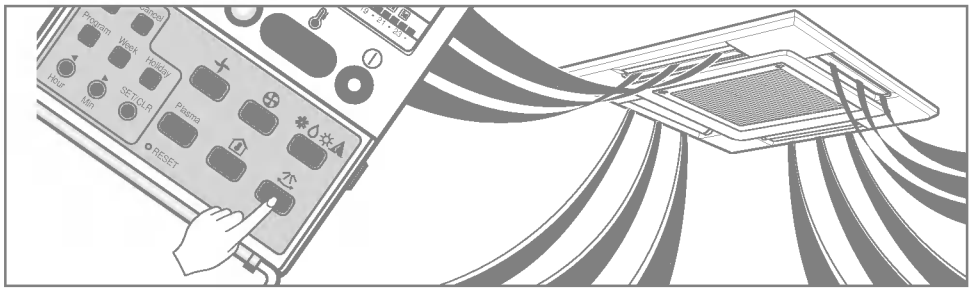
3 To cancel the **Jet Cool** mode, press the **Jet Cool** button again or the Fan Speed button or the room **Set Temperature button** and the unit will operate in high fan speed on cooling mode.



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 heating 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.*



1 Press the On/Off button.
(Confirm the unit on operation.)



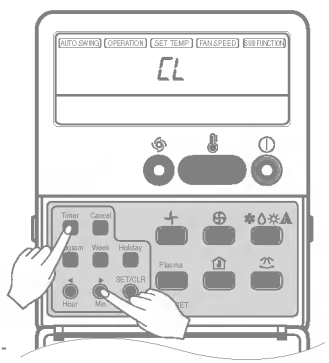
2 Press the Auto Swing button then the horizontal louvers swing up and down automatically.



3 Press again the Auto Swing button to cancel the Auto Swing mode.



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



Operation procedure

To set the Child-Lock Function

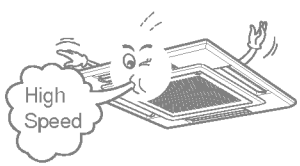
Press the Timer button and Minute Set button for three seconds. Then the operation mode shift to child lock mode and it is displayed '**CL**' in the operation display. When you press any button in this time, the remote controller is not converted to any selected mode and the '**CL**' is displayed in the remote controller for about three seconds. But the Room Temperature function is operated in spite of child lock mode.

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.

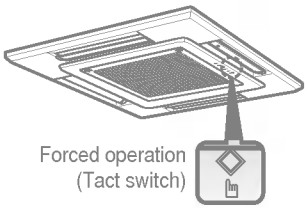
Helpful information

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.



Forced Operation

Operation procedures when the remote control can't be used.
Press the tact switch (Forced operation) for 2 seconds.
If you want to stop operation, press again the tact switch.
In case the power comes on again after power failure on the Forced Operation mode, the operating conditions are automatically set as follows:
During Forced Operation, the initial mode continues.



	Cooling Model	Heat pump Model	
		Room Temp. ≥ set Temp.-2℃	Room Temp. < set Temp.-2℃
Operating mode	Cooling	Cooling	Heating
Indoor FAN Speed	High	set available	set available
Setting Temperature	22℃	set available	set available

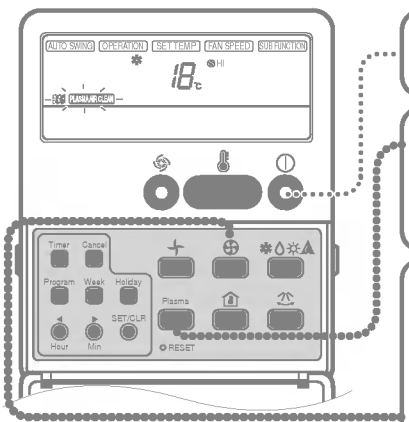
Auto Restarting Operation

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.

Filter Sign Lamp

- Filter sign lamp (LED) is ON.
- If LED indicating filter sign lamp is ON, clean the filter.
- After cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec. Then filter sign LED is OFF.

Air Purifying Operation (PLASMA)



1 Press the On/Off button. The unit will respond with a beep.



2 Open the door on the remote control. Press the PLASMA air purifying operation ON/OFF button. Operation will start when the button is pressed and stop when the button is pressed again.



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



※ Air purifying operation (PLASMA) with cooling, heating or any other operations.

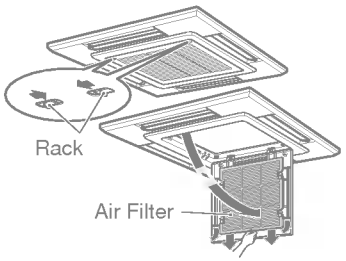
Grille, Case and Remote Control

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

Supply power must be disconnected before cleaning the indoor unit.

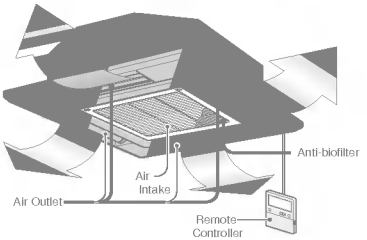
Air Filters

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.





Remove the Air filters.
■ Take hold of the tab and pull slightly forward to remove the filter.

CAUTION: When the air filter is to be removed, do not touch the metal parts of the indoor unit.
It may cause an injury.

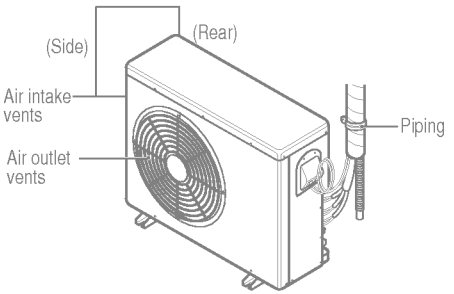
Clean dirt from the air filter using a vacuum cleaner or washing with water.
■ If dirt is conspicuous, wash with a neutral detergent in lukewarm water.
■ If hot water (50°C or more) is used, it may be deformed.

After washing with water, dry well in the shade.
■ Do not expose the air filter to direct sunlight or heat from a fire when drying it.

Install the air filter.

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.

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



long time.

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

- **Operate the air conditioner at the following settings for 2 to 3 hours.**
  - Type of operation: Fan operation mode.(Refer to page 20.)
  - This will dry out the internal mechanisms.
- **Turn off the breaker.**

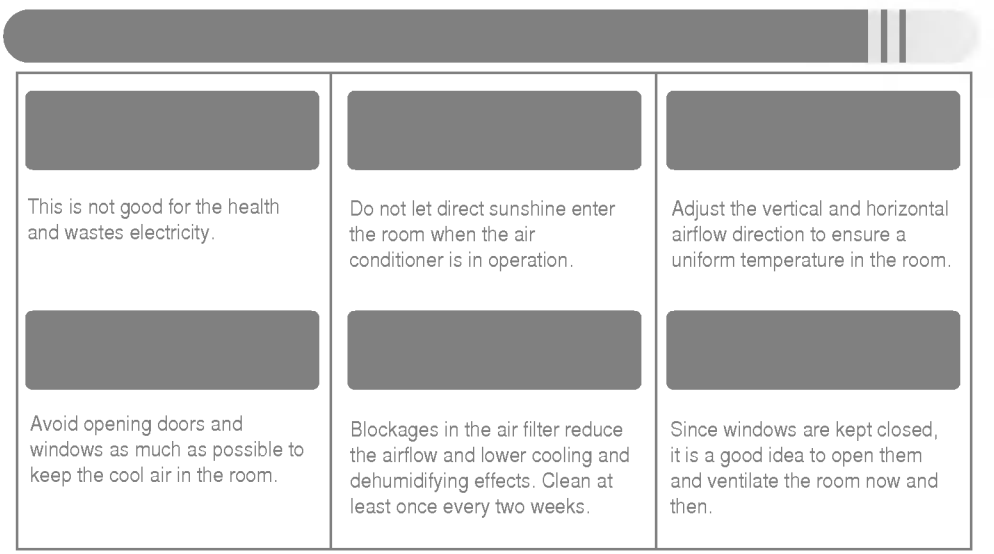
CAUTION: Turn off the breaker when the air conditioner is not going to be used for a long time.
Dirt may collect and may cause a fire.

Helpful information

The air filters and your electiric 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.

When the air conditioner is to be used again.

- **Clean the air filter and install it in the indoor unit.**
  (Refer to page 22 for cleaning it.)
- **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.**



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

The air conditioner does not operate.	• Have you made a mistake in timer operation?	11
	• 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 restart.	• 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.	22
	• 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 setting temperature been set incorrectly?	13, 15
	• 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.	-
Crack sound is heard.	• 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.	• Has the circuit breaker been tripped? • Are the batteries inserted in the opposite (+) and (-) directions?	