



LG

Ducted Split Type Air Conditioner

OWNER'S MANUAL

Model : LN-1100QCH

LG

ENGLISH

IMPORTANT

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.

PRECAUTIONS

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

TABLE OF CONTENTS

1. Safety Precautions

2. Operating Instructions

3. Care and Maintenance

4. Before you call for service

For Your Records

Write the model and serial numbers here:

Model # _____

Serial # _____

Also note down the following :

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

Installation precautions



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

- Improper installation will cause water leakage, electrical shock, or fire. Please consult authorized dealer 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.



⚠ Do not damage or use an unspecified power cord.

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

⚠ Do not operate switches with wet hands.

- It may cause electrical shock.

⚠ Plug in the power plug properly.

- Otherwise, it will cause electrical shock or fire due to heat generation.

⚠ Do not operate or stop the unit by inserting or pulling out the power plug.

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

⚠ Do not insert your finger or stick, etc. into the air inlet/air outlet.

- Since the fan rotates at high speed, this may cause an injury or damage the unit.

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

- This could damage your health.

⚠ When an abnormality (smell of burning, etc) occurs, stop the air conditioner, and turn off the breaker.

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

⚠ Repair or relocation should not be done by the customer.

- If this is done in correctly, 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 authorized Service technician 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

⊘ Do not clean the air conditioner with water.

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

ⓘ Ventilate well when used together with a stove, etc.

- An oxygen shortage may occur.

ⓘ When the unit is to be cleaned, switch off, and turn off the breaker.

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

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

- This could injure the pet or plant.

⊘ Do not apply an insecticide or flammable spray.

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

⊘ Do not leave on installation stand which is damaged.

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

⊘ Do not put a stove, etc. where is exposed to direct air flow.

- It may cause imperfect combustion.

ⓘ When the unit is not going to be used for a long time, turn off the breaker.

- It may cause an injury.

⊘ Do not step on the outdoor unit and do not put anything on it.

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

⊘ Do not operate for a long time in high humidity, e.g. leaving a door or window open.

- 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.

⊘ Do not step onto an unstable bench when attaching/detaching the panel.

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

⊘ Do not use for special purposes.

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

ⓘ If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

- If will cause electrical shock or fire.

ⓘ When the air filter is to be removed, do not touch the metal parts of the indoor unit.

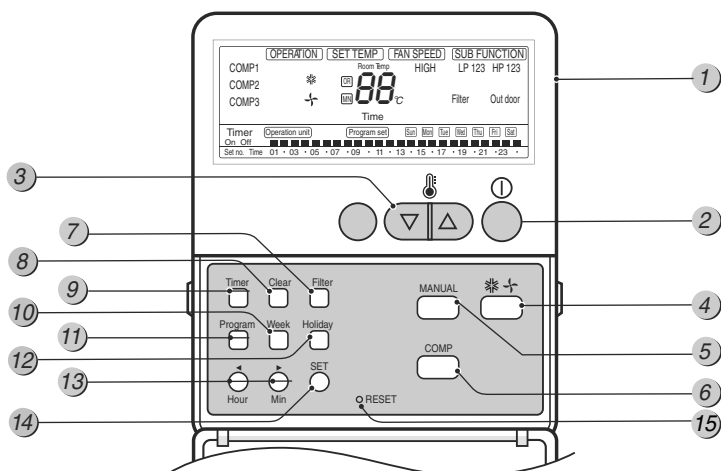
- It may cause an injury.

⊘ Do not insert hands through vanes when the air conditioner is operating.

- It will cause an injury by the rotating blower.

Name and Function of Remote Controller

Remote Controller

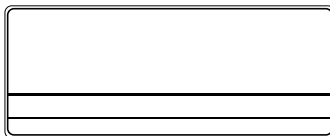


- 1 Operation display**
Displays the operation conditions.
- 2 On/Off Button**
Operation starts when this button is pressed, and stops when the button is pressed again.
- 3 Set Temperature Button**
Used to set the temperature when the desired temperature is obtained.
- 4 Operation Mode Selection Button**
Used to select the operation mode.
 - ▮ Fan Operation Mode.
 - ▮ Cooling Operation Mode.
- 5 Manual Mode Selection Button**
Used to run according to the need of selection of compressors.
- 6 Compressor Selection Button**
Used to select one, two or three compressors.
- 7 Filter Button**
Used to purify the air.
- 8 Clear Button**
Used to cancel the different program settings.
- 9 Timer Set Button**
Used to set the airconditioner ON/OFF at particular time which depends upon whether machine is On or Off.
- 10 Week Button**
Used to set a day of the week.
- 11 Program Button**
Used to set the weekly programming.
- 12 Holiday Button**
Used to set a holiday of the week.
- 13 Hour/Minute Selection Button**
Used to set the time of the day and change the time in the weekly timer Function.
- 14 Set Button**
Used to set the different program settings.
- 15 Reset Button**
Used to set the current time and clear the setting time.

Set the Current Time and a day of the Week

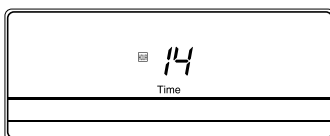
1 Press the ' RESET ' button.

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



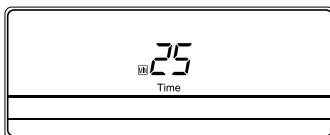
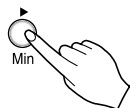
2 Press the ' Hour ' button.

Each time the button is pressed, the number is changed. Selection of numbers from **00** to **23** is possible. You can set the number of the current hour.



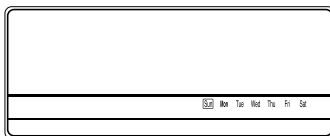
3 Press the ' Min ' button.

Each time the button is pressed, the number is changed. Selection of numbers from **00** to **59** is possible. You can set the number of the current minute.



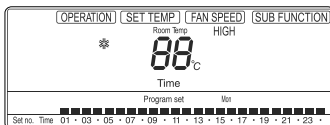
4 Press ' Week ' button.

Each time the button is pressed, a day of the week is shifted from Sunday to Saturday. You can set the day of the week.



5 Press ' Set ' button to set the current time and day of the week.

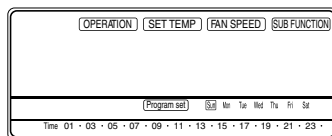
If you want to reset the current time and day of the week, press the Reset Button again and repeat the above steps.



Weekly Programming

1 Press the Program button to start the weekly programming.

The remote controller is displayed like a picture. Then 'Program set', 'Sun' and '01' is blinked. The "Program Set" will appear on LCD display.



2 Press the 'Week' button.

Press  button repeatedly until desired day appears.

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



3 Change the time setting until the desired time is obtained.

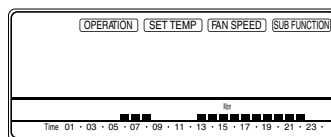
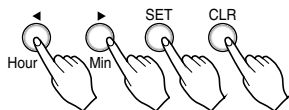
For this operation press the Set or Clear button one or more times.

Set button means to switch ON.

Clear button means to switch OFF.

To move forward press "Min" key.

To move backward press "Hour" key.



* For example, if the air-conditioner is ON for 6,7,8 and 13~22 o'clock. So for the rest hours, the machine will be OFF.

4 Press the Program button again to finish weekly programming.



For example, the air-conditioner is on 6th,7th,8th,10th & 11th hours to remain ON and for the rest hours, turned OFF on Monday. Following steps should be followed :

1. Press Program button
2. Press Week button and select the day (Monday).
3. By pressing  key, select 6th hour. Solid bar will blink on 6th hour. By pressing "Set" button you can set the 6th hour. Do same for the 7th, 8th, 10th and 11th hour.
4. Press Program button finally to set the above day.

* To cancel the set hour press  button to reach upto that set hour and then press "Clear" button.

* Black Bars indicate turn ON time and if there is no bar, it indicates OFF time.

If the person has not to set the remote controller in weekly programming mode then he can cancel the weekly programming by following operations

1 To disable the weekly programming, press the following button



If the person has to return back in weekly programming mode then he should follow the below mentioned operation.

2 To enable the weekly programming, press the following button.



Holiday Setting

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

- 1 Press the Program button.



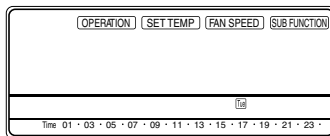
- 2 Press the Week button.
Select the Tuesday.



- 3 Press the Holiday button.



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



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

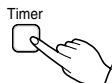


- 5 To cancel the Holiday programming, press the "Holiday" button again.

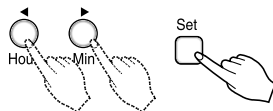
Timer Setting

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

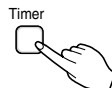
- 1 Press the Timer button
to turn Timer on or off.



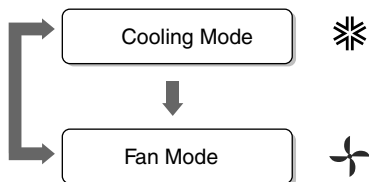
- 2 Change the timer setting until the desired time is set.
After you have selected the time, press "Set" button.



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



Operation Mode



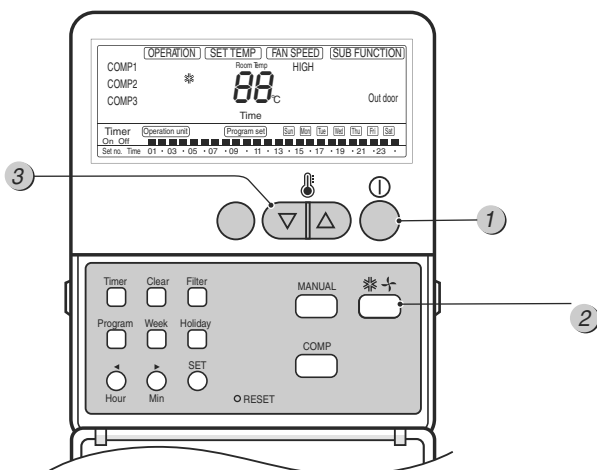
ENGLISH

Cooling Mode

Operation Procedure :

- 1st On/Off Button**
- 2nd Mode Selection Button to enter in Cooling Mode (❄️)**
- 3rd Room Temperature Setting Button**

In cooling mode Display shows -
Room Temperature, Indoor Fan Speed,
Compressor Status, Cooling Mode symbol.
Temperature can be set between 18°C ~ 30°C.



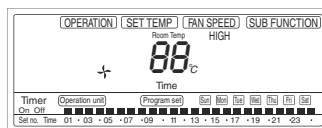
Fan Mode

In this mode only FAN runs at high speed and compressors get OFF automatically.
In FAN mode Display shows - only Fan Speed & Fan Mode Symbol.

- 1 Press the On/Off Button.**

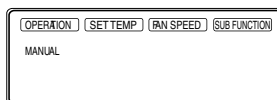


- 2 Press Mode Selection Button to enter in Fan Mode (🌀).**
In this mode Display will be as shown here.

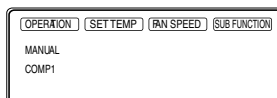


Manual Operation is usually done according to the need of selection of compressors to run.

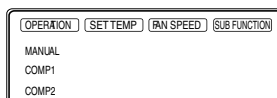
1 By pressing the Manual Button display shows



2 Then press Comp Button to select the compressor from Comp1 ~ Comp2.
Comp1 will start blinking



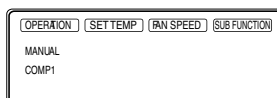
3 Press "Set" / "Clear" button to fix the COMP. On each time by pressing this button cursor will move to the next COMP.



4 To cancel the Manual Operation, we have to press the Manual Button twice.



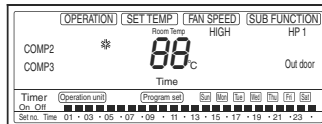
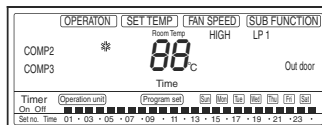
For eg. if we have to run Comp1 only, Press the Manual Button and press Comp Button later which shows COMP1 on the screen in blinking form for which we have to press the Set Button . On each time by pressing Comp Button cursor moves to the next compressor.



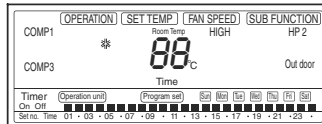
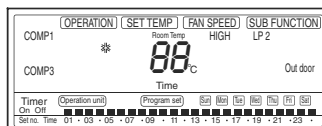
Safety Device (LP - HP Operation)

Used for the protection of compressors. LP and HP switch works according to gas pressure.

Indication	Problem	Action
LP1	Low gas pressure in Comp1	Comp1 get switch OFF
HP1	High gas pressure in Comp1	Comp1 get switch OFF



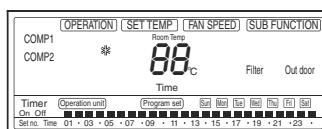
Indication	Problem	Action
LP2	Low gas pressure in Comp2	Comp2 get switch OFF
HP2	High gas pressure in Comp2	Comp2 get switch OFF



Filter

This function glows after 240 hours. Display shows the FILTER symbol continuously, by pressing the filter button again we can reset it.

Note : When the "Filter" symbol comes on LCD display, Filter has to be cleaned.



Child Lock Function

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

Operation procedure

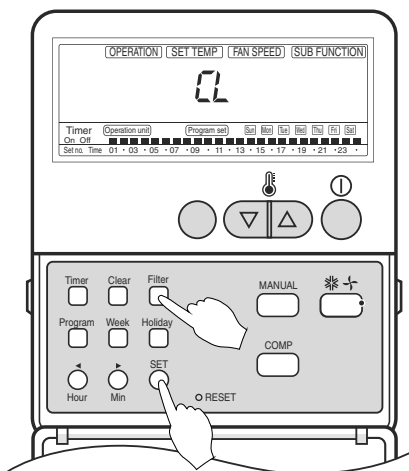
1 To set the Child-Lock Function

Press the Filter button then Set button. Then the operation mode shifts to child lock mode and it is displayed 'CL' in the operation display.

When you press any button in this time, the remote controller displays 'CL' only ON/OFF key available.

2 To cancel the Child-Lock Function

Press the Filter button then Clear button. Then the child-lock mode is cancelled and the preselected mode is displayed in the remote controller.



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

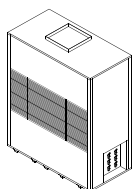
Indoor Unit

Grille, Case, and Remote Control

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

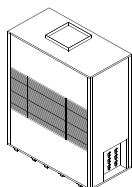
Note:

Supply power must be disconnected before cleaning the indoor unit.



Air Filter

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



□ Never use any of the following:

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

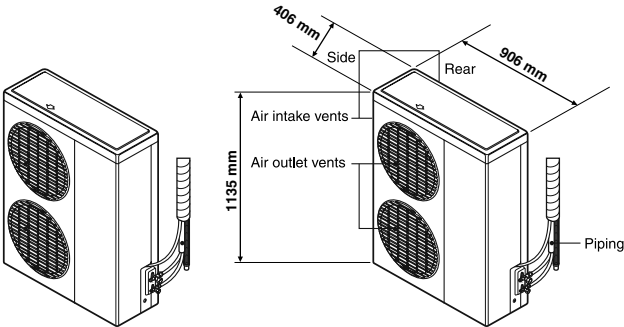


- 1 Clean the filter with a vacuum or warm, soapy water.
 - If very dirty, wash with a solution of detergent in lukewarm water.
 - If hot water (50°C or more) is used, filter may be deformed.
- 2 After washing with water, dry well in the shade.
- 3 Re-install the air filter.

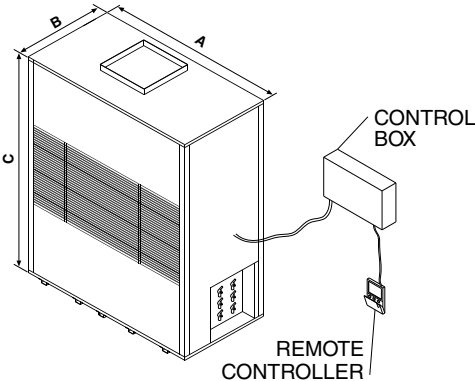
Outdoor Unit

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.



Indoor Unit



MODEL	A	B	C
LN-1100QCH	1525	760	1820

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

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

- 1 Operate the air conditioner on Air circulation mode for 2 to 3 hours.

- This will dry out the internal parts.

- 2 Turn off the circuit breaker.



Turn off the circuit breaker when the air conditioner is not going to be used for a long time.

Dirt may collect and may cause a fire.

When the air conditioner is to be used again.

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

Helpful information

The air filters and your electric bill.

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

Operation Tips

Do not overcool the room.

This is not good for the health and wastes electricity.

Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower cooling and dehumidifying effects. Clean at least once every two weeks.

Keep blinds or curtains closed.

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

Ventilate the room occasionally.

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

Make sure that the doors and windows are shut tight.

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

Troubleshooting Tips! Save time and money!

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

Case	Explanation	See page
The air conditioner does not operate.	• Have you made a mistake in timer operation? • On first starting, the indoor unit operates in fifteen seconds. • Has the fuse blown or has the circuit breaker been tripped?	9 - -
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 condensate 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 effectively.	• 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 setting temperature been set incorrectly? • Are the indoor unit's air inlet or outlet vents obstructed?	14 - 9 -
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?	-

NOTE

WATER RESISTANT: The outdoor side of this appliance is WATER RESISTANT.

The indoor side is not water resistant and should not be exposed to excess water.

