LG

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Ceiling Duct Type Air Conditioner
OWNER'S MANUAL

- Please read carefully and thoroughly this manual before operating this unit.
- Contact the authorized SVC man for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- The appliance 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 appliance.

OPERATING TEMPERATURE(℃)

COOLING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
32	21	43	21
HEATING MODE			
INDOOR		OUTDOOR	
MAX.	MIN.	MAX.	MIN.
27	20	24	1

Prior to installation, [illegible]air-conditioning unit must be submi[illegible] for approval by the utility service wh[illegible]rovides electricity (EN 60555-3 No[illegible]
LB-B(E)6080H[illegible](EN60555-2/3 Norm)

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Safety precautions

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

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

⚠ WARNING

This symbol indicates the possibility of death or serious injury.

⚠ CAUTION

This symbol indicates the possibility of injury or damage to properties only.

⚠ 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

Do not damage or [illegible]
- 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 switch with wet
- It may cause electrical shock.

Plug in the power plug
- Otherwise, it will cause electrical shock or fire due to heat generation.

Do not operate or stop the [illegible]
- It will cause electrical shock or fire due to heat generation.

Do not insert your finger or
- Since the fan rotates at high speed, this may cause an injury or damage the unit.

Do not expose the skin to
- This could damage your health.

When an abnormality (smell, warning, etc) occurs
- 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
- 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 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.

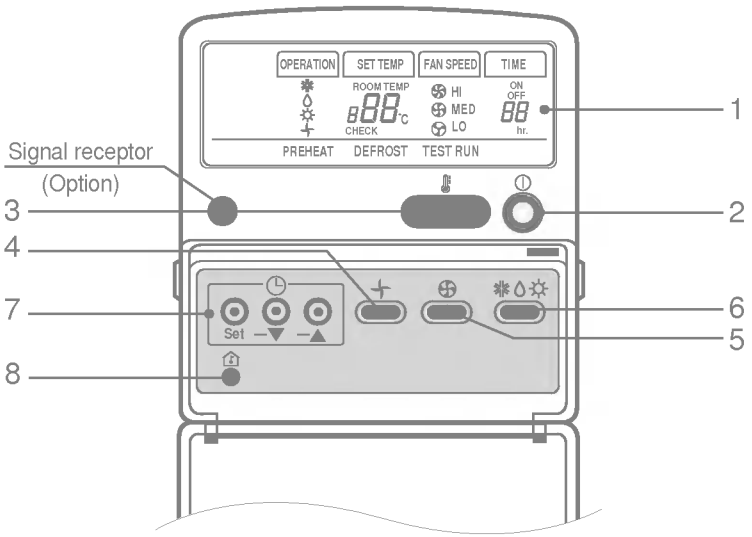


- It will cause an injury by the rotating blower.

Operating Instructions

Name and Function of Remote Controller

Remote Controller



⁄A Operation display
Displays the operation conditions.

⁄B On/Off Button
Operation starts when this button is pressed, and stops when the button is pressed again.

⁄C Set Temperature Button
Used to set the temperature when the desired temperature is obtained.

⁄D FAN Operation Button
Used to circulate room air without cooling or heating.

⁄E Fan Speed Button
Used to set the desired fan speed.

⁄F Operation Mode Selection Button
Used to select the operation mode.
- Cooling Operation Mode.
- Soft Dry Operation Mode.
- Heating Operation Mode.(except cooling only model)

⁄G Timer Set Button
Used to set the timer when the desired time is obtained.

⁄H Room Temperature Checking Button
Used to check the room temperature.

Optional Function

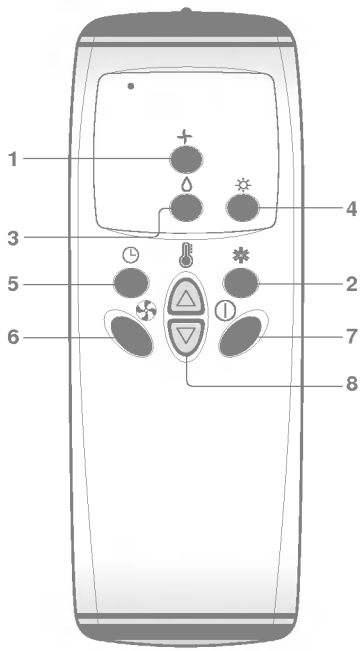
• WIRELESS REMOTE CONTROLLER

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.

Remote Controller

Signal transmitter

Transmits the signals to the signal receptor.



⁄A FAN Operation Button
Used to circulate room air without cooling or heating.

⁄B Cooling Operation Button

⁄C Soft Dry Operation Button
Used to dehumidify without overcooling.

⁄D Heating Operation Button
(Heat pump model only)

⁄E Timer Set Button
Used to set the timer when the desired time is obtained.
Then the wired remote controller is set to 24 hours by an hour but the wireless remote controller is set to 7 hours by an hour.
Therefore, if you want to set over 7 hours, use the wired remote controller.

⁄F Fan Speed Button
Used to set the desired fan speed.

⁄G On/Off Button
Operation starts when this button is pressed, and stops when the button is pressed again.

⁄H Set Temperature Button
Used to set the temperature when the desired temperature is obtained.

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)

Features of the Remote Control- Door Closed



ON/OFF BUTTON
Operation starts when this button is pressed and stops when the button is pressed again.

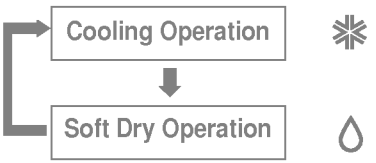


ROOM TEMPERATURE SETTING BUTTONS
Used to select the room temperature.

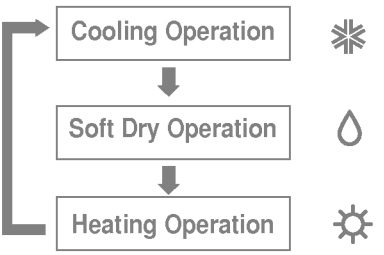


✓ **Although the air conditioner is turned off by a power failure, it is restarted automatically after a power is supplied again.**

Operation Mode



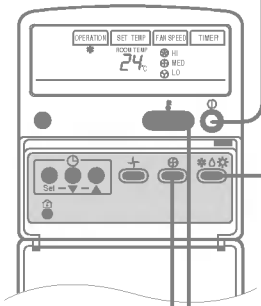
(Cooling only model)



(Heat Pump Model)

How to use the Operation Mode Selection Button

Cooling Operation

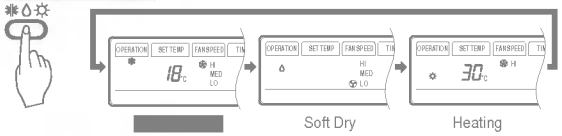


1 Press the ON/OFF button.

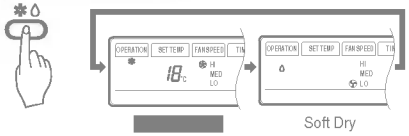


2 Open the door on the remote control. To select Cooling operation, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

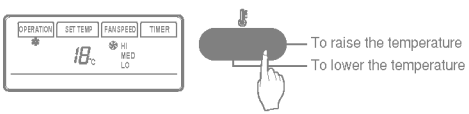
HEAT PUMP MODEL



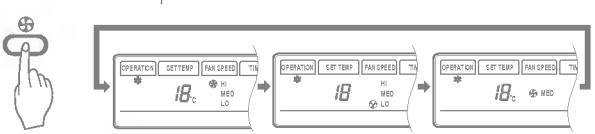
COOLING ONLY MODEL



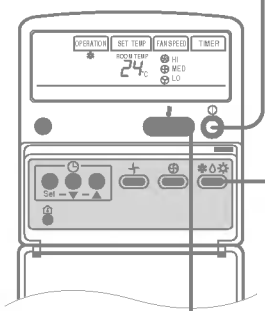
3 Set the temperature lower than the room temperature. The temperature can be set within a range of 18℃~30℃ in 1℃ increments.



4 You can select the fan speed in three steps-HI(High), LO(Low), MED(Medium). Each time the button is pressed, the fan speed mode is shifted.



Soft Dry Operation

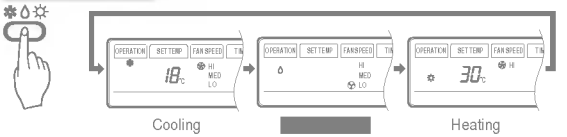


1 Press the ON/OFF button.

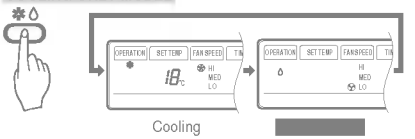


2 Open the door on the remote control. To select Soft Dry operation, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

HEAT PUMP MODEL



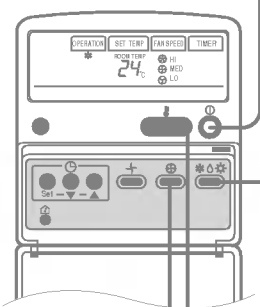
COOLING ONLY MODEL



3 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.



Heating Operation(Heat pump model only)

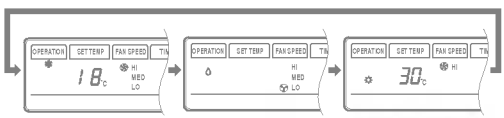


1 Press the ON/OFF button.



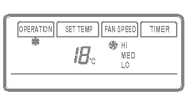
2 Open the door on the remote control. To select Heating operation, press the Operation Mode Selection button. Each time the button is pressed, the operation mode is shifted in the direction of the arrow.

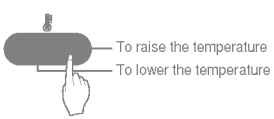




Cooling Soft Dry **Heating(Heat pump)**

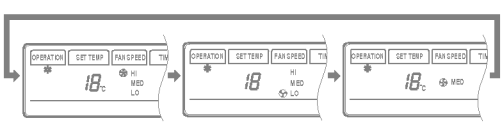
3 Set the temperature higher than the room temperature. The temperature can be set within a range of 16℃~30℃ in 1℃ increments.





4 You can select the fan speed in three steps–HI(High), LO(Low), MED(Medium). Each time the button is pressed, the fan speed mode is shifted.

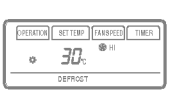




5 This air-conditioner is set to the hot start control in order not to discharge the cold air during the heating operation. This time, the remote controller indicates 'PREHEAT'.



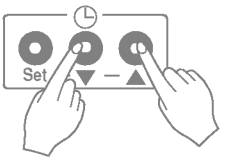
6 If the outdoor temperature is too low during the heating operation, this air-conditioner is set to the defrosting operation and the remote controller indicates 'DEFROST'.



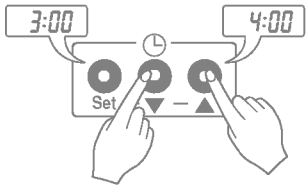
Additional Features

Delay Start/Pre-Set Stop

1. Make sure the time is set correctly on the remote control display.
2. Press the Set.
   Timer buttons to turn Timer on or off.

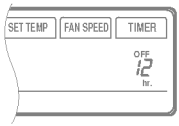


3. Press the Time Setting buttons until the desired time is set.

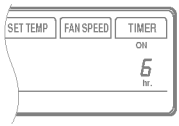


To cancel the setting the timer.
If you want to cancel the timer Set mode, press again the Set button.

note: Select one of the following two types of operation.



Delay OFF Timer



Delay ON Timer

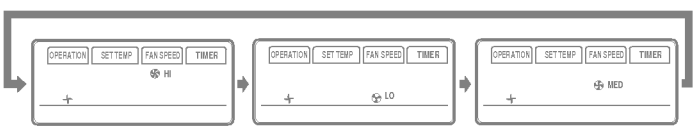
If the settings are cancelled by a power failure.
Press the On/Off Button, and then set the timer again as desired time according to Timer Setting Procedure.

Air Circulation Mode

Circulates the room air without cooling or heating.

1. Press the ON/OFF button. the unit will respond.
2. Open the door on the remote control. Press the Fan button. Now each time that you press the Fan Speed Selector, the fan speed is shifted from High to Low and shifted from Low to Medium and back to High again.



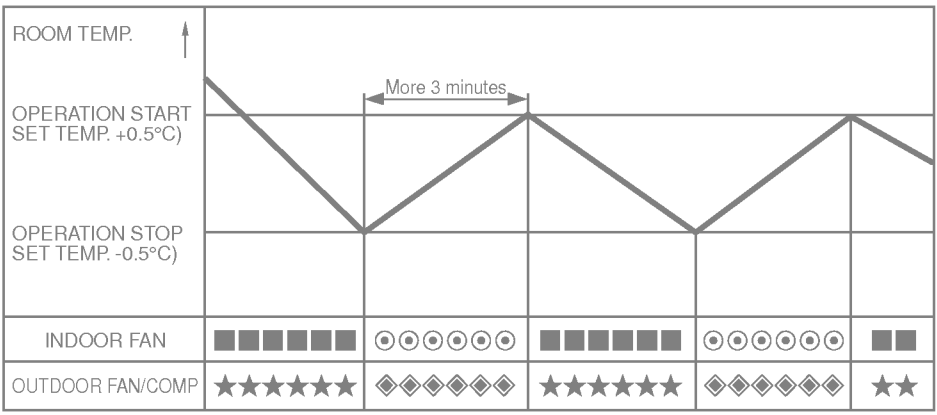


Fan speed is on high. Fan speed is on low. Fan speed is on medium.

Operation Details

• Cooling Operation Mode

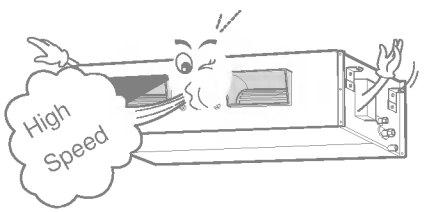
When the room temperature is higher than the set temperature, it operates in cooling mode at the set temperature, the set fan speed, and then it will be in automatically turn off when the room temperature reaches the set temperature +0.5℃.



■ : SETTING FAN SPEED ⦿ : LOW COOL OPERATION ★ : COMP ON ◈ : COMP OFF

Helpful information

Airflow speed and cooling capacity.
The cooling capacity indicated in the specification is the value when the fan speed is set to high, and the capacity will be lower at low or medium fan speed.
High fan speed is recommended when you wish to cool the room quickly.



Self-Diagnoses Function

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

Care and maintenance

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

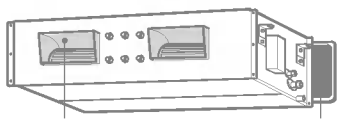
Indoor Unit

Grille, Case, and Remote Control

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

Note:

Supply power must be disconnected before cleaning the indoor unit.



Air outlet vent Air filters

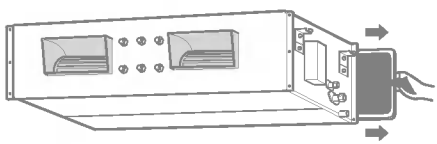
❑ Never use any of the followings:

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



Air Filters(Option)

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



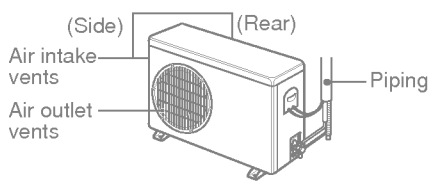
- Clean the filter with a vacuum or warm, soapy water.
  - If very dirty, wash with a solution of detergent in lukewarm water.
  - If hot water (50°C or more) is used, filter may be deformed.
- After washing with water, dry well in the shade.
- Re-install the air filter.

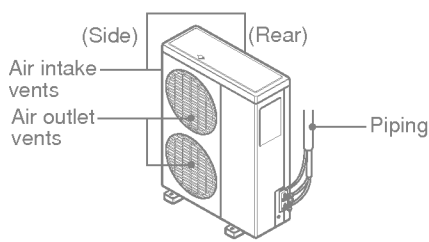
Outdoor Unit

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.





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

When not going to be used

1. Operate the air conditioner on Air circulation mode (Reter to page 10) for 2 to 3 hours.
   - This will dry out the internal parts.
2. Turn off the circuit breaker.

⚠ CAUTION

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

When the air conditioner

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

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.

Operation Tips

Don't overcool the room

This is not good for the health and wastes electricity.

Keep blinds or curtains

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

Make sure that doors

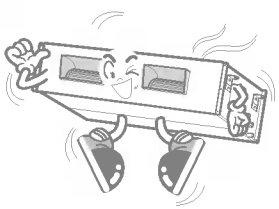
Avoid opening doors and windows as much as possible to keep the cool air in the room.

Clean the air filter regularly

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

Ventilate the room

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



Before you call for service...

Troubleshooting Tips! Save time and money!

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

The air conditioner does not operate.	The room has a peculiar odor.	It seems that condensation is occurring.	Air conditioner does not operate for about 3 minutes.
• 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.
Does not cool or heat effectively.	**The air conditioner operation is noisy.**	**A click sound is heard.**	**Remote control display is faint or nothing appears.**
• 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?	• 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/contraction of the inlet grille, etc. due to changes of temperature.	• Has the circuit breaker been tripped?



LG Electronics Inc.

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