LG
Life's Good

ENGLISH

OWNER'S MANUAL

AIR CONDITIONER

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

TYPE : CEILING CASSETTE – 4 WAY

P/NO : MFL42619126

www.lg.com

TIPS FOR SAVING ENERGY

Here are some tips that will help you minimize the power consumption when you use the air conditioner. You can use your air conditioner more efficiently by referring to the instructions below:

- Do not cool excessively indoors. This may be harmful for your health and may consume more electricity.
- Block sunlight with blinds or curtains while you are operating the air conditioner.
- Keep doors or windows closed tightly while you are operating the air conditioner.
- Adjust the direction of the air flow vertically or horizontally to circulate indoor air.
- Speed up the fan to cool or warm indoor air quickly, in a short period of time.
- Open windows regularly for ventilation as the indoor air quality may deteriorate if the air conditioner is used for many hours.
- Clean the air filter once every 2 weeks. Dust and impurities collected in the air filter may block the air flow or weaken the cooling / dehumidifying functions.

For your records

Staple your receipt to this page in case you need it to prove the date of purchase or for warranty purposes. Write the model number and the serial number here:

Model number :

Serial number :

You can find them on a label on the side of each unit.

Dealer's name :

Date of purchase :

IMPORTANT SAFETY INSTRUCTIONS

READ ALL INSTRUCTIONS BEFORE USING THE APPLIANCE.

Always comply with the following precautions to avoid dangerous situations and ensure peak performance of your product

⚠ WARNING

It can result in serious injury or death when the directions are ignored

⚠ CAUTION

It can result in minor injury or product damage when the directions are ignored

⚠ WARNING

- Installation or repairs made by unqualified persons can result in hazards to you and others.
- Installation MUST conform with local building codes or, in the absence of local codes, with the Nation Electrical Code NFPA 70/ANSI C1-1003 or current edition and Canadian Electrical Code Part1 CSA C.22.1.
- The information contained in the manual is intended for use by a qualified service technician familiar with safety procedures and equipped with the proper tools and test instruments.
- Failure to carefully read and follow all instructions in this manual can result in equipment malfunction, property damage, personal injury and/or death.

Installation

- Do not use a defective or underrated circuit breaker. Use this appliance on a dedicated circuit. There is risk of fire or electric shock.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product. There is risk of fire or electric shock.
- Always ground the product. There is risk of fire or electric shock.
- Install the panel and the cover of control box securely. There is risk of fire or electric shock.
- Always install a dedicated circuit and breaker. Improper wiring or installation may cause fire or electric shock
- Use the correctly rated breaker or fuse. There is risk of fire or electric shock.
- Do not modify or extend the power cable. There is risk of fire or electric shock.
- Do not install, remove, or re-install the unit by yourself (customer). There is risk of fire, electric shock, explosion, or injury.
- Be cautious when unpacking and installing the product. Sharp edges could cause injury. Be especially careful of the case edges and the fins on the condenser and evaporator.
- For installation, always contact the dealer or an Authorized Service Center. There is risk of fire, electric shock, explosion, or injury.
- Do not install the product on a defective installation stand. It may cause injury, accident, or damage to the product.
- Be sure the installation area does not deteriorate with age. If the base collapses, the air conditioner could fall with it, causing property damage, product failure, and personal injury.
- Do not let the air conditioner run for a long time when the humidity is very high and a door or a window is left open. Moisture may condense and wet or damage furniture.

Operation

- Take care to ensure that power cable could not be pulled out or damaged during operation. There is risk of fire or electric shock.
- Do not place anything on the power cable. There is risk of fire or electric shock.
- Do not plug or unplug the power supply plug during operation. There is risk of fire or electric shock.
- Do not touch(operate) the product with wet hands. There is risk of fire or electrical shock.
- Do not place a heater or other appliances near the power cable. There is risk of fire and electric shock.
- Do not allow water to run into electric parts. It may cause There is risk of fire, failure of the product, or electric shock.
- Do not store or use flammable gas or combustibles near the product. There is risk of fire or failure of product.
- Do not use the product in a tightly closed space for a long time. Oxygen deficiency could occur.
- When flammable gas leaks, turn off the gas and open a window for ventilation before turn the product on. Do not use the telephone or turn switches on or off. There is risk of explosion or fire
- If strange sounds, or small or smoke comes from product. Turn the breaker off or disconnect the power supply cable. There is risk of electric shock or fire.
- Stop operation and close the window in storm or hurricane. If possible, remove the product from the window before the hurricane arrives. There is risk of property damage, failure of product, or electric shock.
- Do not open the inlet grill of the product during operation.(Do not touch the electrostatic filter, if the unit is so equipped.) There is risk of physical injury, electric shock, or product failure.
- When the product is soaked (flooded or submerged), contact an Authorized Service Center. There is risk of fire or electric shock.
- Be cautious that water could not enter the product. There is risk of fire, electric shock, or product damage.
- Ventilate the product from time to time when operating it together with a stove, etc. There is risk of fire or electric shock.
- Turn the main power off when cleaning or maintaining the product. There is risk of electric shock.
- When the product is not be used for a long time, disconnect the power supply plug or turn off the breaker. There is risk of product damage or failure, or unintended operation.
- Take care to ensure that nobody could step on or fall onto the outdoor unit. This could result in personal injury and product damage.

⚠ CAUTION

Installation

- Always check for gas (refrigerant) leakage after installation or repair of product. Low refrigerant levels may cause failure of product.
- Install the drain hose to ensure that water is drained away properly. A bad connection may cause water leakage.
- Keep level even when installing the product. To avoid vibration or water leakage.
- Do not install the product where the noise or hot air from the outdoor unit could damage the neighborhoods. It may cause a problem for your neighbors.

- Use two or more people to lift and transport the product. Avoid personal injury.
- Do not install the product where it will be exposed to sea wind (salt spray) directly. It may cause corrosion on the product. Corrosion, particularly on the condenser and evaporator fins, could cause product malfunction or inefficient operation.

Operation

- Do not expose the skin directly to cool air for long periods of time. (Don't sit in the draft.) This could harm to your health.
- Do not use the product for special purposes, such as preserving foods, works of art, etc. It is a consumer air conditioner, not a precision refrigeration system. There is risk of damage or loss of property.
- Do not block the inlet or outlet of air flow. It may cause product failure.
- Use a soft cloth to clean. Do not use harsh detergents, solvents, etc. There is risk of fire, electric shock, or damage to the plastic parts of the product.
- Do not touch the metal parts of the product when removing the air filter. They are very sharp! There is risk of personal injury.
- Do not step on or put anyting on the product. (outdoor units) There is risk of personal injury and failure of product.
- Always insert the filter securely. Clean the filter every two weeks or more often if necessary. A dirty filter reduces the efficiency of the air conditioner and could cause product malfunction or damage.
- Do not insert hands or other objects through the air inlet or outlet while the product is operated. There are sharp and moving parts that could cause personal injury.
- Do not drink the water drained from the product. It is not sanitary and could cause serious health issues.
- Use a firm stool or ladder when cleaning or maintaining the product. Be careful and avoid personal injury.
- Replace the all batteries in the remote control with new ones of the same type. Do not mix old and new batteries or different types of batteries. There is risk of fire or explosion
- Do not recharge or disassemble the batteries. Do not dispose of batteries in a fire. They may burn or explode.
- If the liquid from the batteries gets onto your skin or clothes, wash it well with clean water. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.
- If you eat the liquid from the batteries, brush your teeth and see doctor. Do not use the remote if the batteries have leaked. The chemicals in batteries could cause burns or other health hazards.

ENGLISH

TABLE OF CONTENTS

2 TIPS FOR SAVING ENERGY

3 IMPORTANT SAFETY INSTRUCTIONS

7 BEFORE USE

7 Preparing for operation
7 Usage
7 Cleaning and maintenance
7 Service

8 PRODUCT INTRODUCTION

8 Name and function of parts
8 What to do before operation
8 Operation Indication Lamps
9 Using the remote control

11 OPERATING INSTRUCTIONS

11 Cooling Mode - Standard Operation
11 Cooling Mode - Power Cooling
11 Heating Mode
11 Dehumidification Mode
11 Auto Operation Mode
11 Fan Mode
12 Airflow Setting
12 Temperature setting/ Room temperature check
12 Sub function : Plasma Purification(Optional)
13 Function setting : Child Lock
13 Function Setting : Mode Change Temp
13 Function setting : Elevation Grill(Optional)
13 Function setting : Filter Sign Clear
14 Function setting : Vane Angle Control
14 Setting Current Time
15 Programming : Setting Simple Reservation
15 Programming : Weekly Reservation
16 Programming : Setting Sleep Reservation
16 Programming : Setting ON Reservation
17 Programming : Setting OFF Reservation
17 Programming : Holiday Reservation
18 Ventilation Kit Control(Optional)

18 MAINTENANCE AND SERVICE

18 Indoor Unit
20 Purifying filter(Optional)
21 Operation Tips
21 When the air conditioner is not going....
22 Troubleshooting Tips! Save time and money!
22 Call the service immediately in the following situations

BEFORE USE

Preparing for operation

- Contact an installation specialist for installation.
- Use a dedicated circuit.

Usage

- Being exposed to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
- Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
- Do not use this air conditioner for non-specified special purposes (e.g. preserving precision devices, food, pets, plants, and art objects). Such usage could damage the items.

Cleaning and maintenance

- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and breaker are turned off. The fan rotates at a very high speed during operation. There is a possibility of injury if the unit's power is accidentally triggered on while cleaning inner parts of the unit.

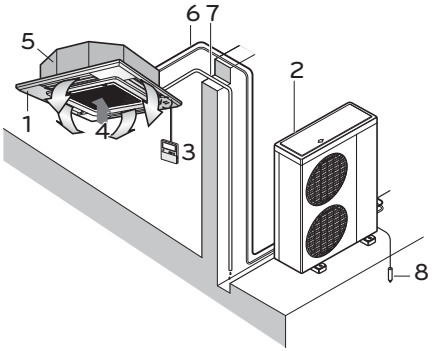
Service

For repair and maintenance, contact your authorized service dealer.

PRODUCT INTRODUCTION

Name and function of parts

1: Indoor unit
2: Outdoor unit
3: Remote controller
4: Inlet air
5: Discharge air
6: Refrigerant piping, connection electric wire
7: Drain pipe
8: Ground wire
Wire to ground outdoor unit to prevent electrical shocks.



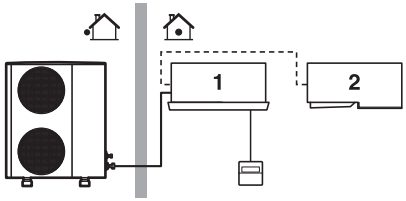
What to do before operation

If your installation has a customized control system, ask your LG dealer for

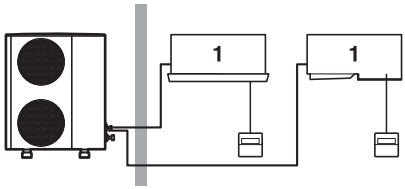
the operation that corresponds to your system.

1: Unit with remote controller
2: Unit without remote controller (when used as simultaneous operation)

Pair system or simultaneous operation system



Multi system



Operation Indication Lamps

On/Off : Lights up during the system operation.

Filter Sign : Lights up after 2400 hours from the time of first operating unit.

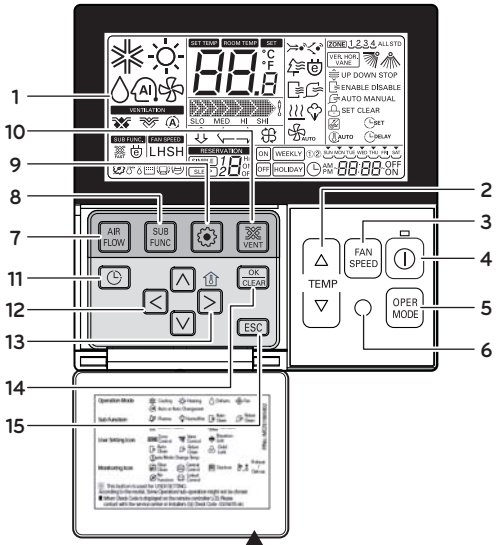
Timer : Lights up during Timer operation.

Defrost Mode : Lights up during Defrost Mode or Hot Start operation.(Heat pump model only)

- Forced : To operate the unit when the remote control can't be used for any reason.

Using the remote control

Wired remote control



Please attach the inform label inside of the door.
Please choose proper language depend on your country.

1 OPERATION INDICATION SCREEN
2 SET TEMPERATURE Button
3 FAN SPEED Button
4 ON/OFF Button
5 OPRATION MODE SELECTION Button
6 WIRELESS REMOTE CONTROLLER RECEIVER
- Some products don't receive the wireless signals.

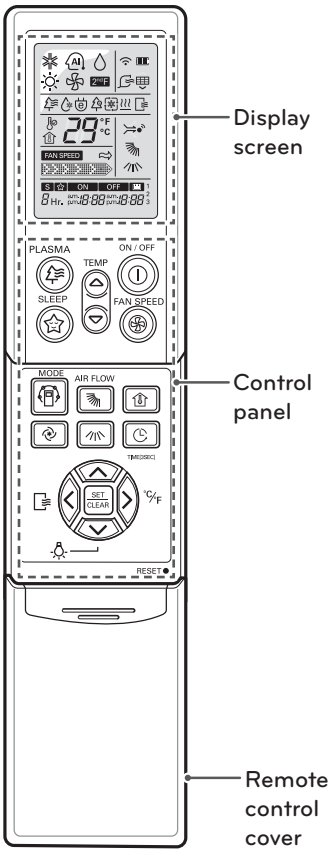
7 AIR FLOW Button
8 SUBFUNCTION Button
9 FUNCTION SETTING Button
10 VENTILATION Button
11 RESERVATION
12 UP,DOWN,LEFT,RIGHT Button
- To check the indoor temperature, press button.

13 ROOM TEMPERATURE Button
14 SETTING/CANCEL Button
15 EXIT Button

* Some functions may not be operated and displayed depending on the product type.

You can operate the air conditioner more conveniently with the remote control.
You will find the buttons for the additional functions under the cover of the remote control.

Wireless remote control



Control panel	Display screen	Description
		Plasma button*: Purifies the air by removing particles that enter the indoor unit.
		Sleep mode auto button*: Sets the sleep mode auto operation.
		Temperature adjustment buttons: Adjusts the room temperature when cooling and heating.
	-	**On/Off button:** Turns the power on/off.
		Indoor fan speed button: Adjusts the fan speed.
		Operation mode selection button*: Selects the operation mode. Cooling operation (❄) / Auto operation or auto changeover (AI) / Dehumidifying operation (💧) / Heating operation (☀) / Air circulation (🌀)
		Jet cooling/heating button*: Warms up or cools down the indoor temperature within a short period of time.
		Air flow direction button: Adjusts the air flow direction vertically or horizontally.
		Temperature display button: Displays the room temperature.
		Timer button: Sets the current time and the start / end time.
		Navigation and functions button*: Adjusts the time and sets the special functions. : Auto clean / ℃/℉: °C/°F changes the temperature unit display / : Operates energy saving cooling / : Adjusts the brightness of the indoor unit display
	-	**Set/clear button:** Sets or cancels functions.
RESET	-	**Reset button:** Resets the air conditioner settings.

* Some functions may not be supported, depending on the model.

OPERATING INSTRUCTIONS

Cooling Mode - Standard Operation

1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Cooling operation mode.

3 Adjust the desired temperature by pressing ∧∨ buttons. Press › button to check the Room temperature. When setting the desired temperature higher than room temperature, only ventilation wind is blow out instead of cooling wind.

* Setting Temp Range : 18˚C~30˚C (64˚F~86˚F)

Cooling Mode - Power Cooling

It makes the room cool using pleasant and fresh air quickly

1 Press ⏻ button to trun on the indoor.

2 Press FAN SPEED button to select cooling operation mode.

3 Press FAN SPEED button continuously until 'Po' displayed.

What is power cooling?

- Desired temperature: 18°C
- Fan Speed: special high cool (Power air)

* It quickly lowers the room temperature by operating.

Heating Mode

1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Heating mode. (To check the indoor temperature, press the room temperature button.)

3 Adjust the desired temperature by pressing ∧∨ buttons.
When setting the desired temperature lower than room temperature, there is only ventilation wind.

Dehumidification Mode

1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Dehumidification mode.
The temperature setting can not be adjusted during operation this mode.

3 Press the FAN SPEED button to select airflow rate feeble → weak → medium → strong → automatic. (The initial wind powerfulness of humidity removal drive is 'weak'.)

Auto Operation Mode

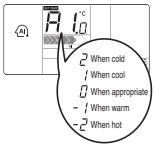
1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Artificial intelligence Mode.

3 You can adjust the temperature as the picture on the right for cooling and heating model.



4 For the case of cooling exclusive, as the picture on the right, you can adjust the temperature from hot to cold, from "-2" to "2" based on "00".



During operating Auto Operation mode:

- We can use the FAN SPEED button
- We can change manually to other operation mode.

* Auto Changeover mode and Auto Operation mode may not operate depending on product type.

Fan Mode

1 Press ⏻ button to turn on the indoor.

2 Press OPER MODE button to select Fan Mode.

3 Every time pressing FAN SPEED button, you can select wind flow in order of feeble → weak → medium → strong → automatic.
When running ventilation, compressor of AHU doesn't work.

Airflow Setting

Wind powerfulness : You can simply adjust desired wind powerfulness.

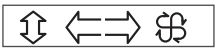
1 Please setup desired wind powerfulness by wind powerfulness button.

- Every time you press wind powerfulness, you can select the wind flow in order of 'feeble → weak → weak medium → medium → medium strong → strong → power → automatic'.
- The menu item might not be partially selected according to product function.
- Please refer to product manual for product's detailed function.



Wind direction : You can simply adjust desired wind direction.

1 Please set desired wind direction by pressing AIR FLOW button.
You can select wind direction of (comfortable wind → Up/Down and Right/Left → Right/Left → Up/Down) by pressing AIR FLOW button.
Partial item of wind directions might not be selected according to product function.
Please refer to product manual for product's detailed function.



Temperature setting/ room temperature check

Temperature Setting

1 We can simply adjust the desired temperature.

- Press the ∧∨ buttons to adjust the desired temperature.
  - ∧ : Increase 1˚C or 2˚F per one time pressing
  - ∨ : Decrease 1˚C or 2˚F per one time pressing
- Room temp: Indicate the current room temperature.
- Set temp: Indicate the temperature that user want to set.

* Depend on what kind of controller, the desired temperature can be adjusted at 0.5˚C or 1˚F.

Cooling operation : The cooling mode doesn't work if desired temperature is higher than room temperature Please lower the desired temperature.

Heating operation : The heating mode doesn't work if desired temperature is lower than room temperature Please increase the desired temperature.

Room Temperature Check

1 Whenever press (i) button, the room temperature will be displayed within 5 seconds. After 5 seconds, it turns to display the desired temperature.
Because of location of remote controller, the real room temperature and the this displayed value can be different

Sub function : Plasma Purification(Optional)

1 Repeat pressing SUB FUNC button until icon flash.

2 Operate or cancel Plasma Purification function by pressing OK CLEAR button. (icon appears/disappears on
display part up SUB FUNCTION to selection)

3 After setting, press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.

When turn the machine off, Plasma function is off (And also off when restart indoor)

In case of such model that has no Plasma sub function, it doesn't appear when pressing SUB FUNC button.

Function setting : Child Lock

This function is to prevent children or other people from using indoor.

1 Press [⚙] button repeatedly until the 🔒 is flashing.

2 If moving to 'setup' icon area by using [<][>] button, 'setup' icon blinks, and child lock function is setup if pressing [OK CLEAR] button at that time.

3 When cancelling lock function, if moving to 'cancel' icon by pressing [<][>] button and then, pressing [OK CLEAR] button, child lock function is cancelled.

4 Press [ESC] button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.

Function Setting : Mode Change Temp

This function is to set converting temp. of Auto Changeover

1 Repeat pressing [⚙] button until AUTO icon flash.

2 Press [^][v] button to change.
* Converting temp value : 1~7



3 Press [OK CLEAR] button to complete and active the setting process.



4 Press [ESC] button to exit or system will automatically release without any input after 25 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.

Function setting : Elevation Grill(Optional)

1 Press [⚙] button Repeat pressing [⚙] button until ≡ icon flash.

2 Move to descent using [<][>] button and press [OK CLEAR] button will display descent icon and the up/down grill will descent.

3 When up/down grill descents to the desired position, move to stop icon suing [<][>] button and press [OK CLEAR] button to stop up/down grill.

4 When filter cleaning is finished, fix the filter to the up/down grill, move to ascent icon using [<][>] button, and press [OK CLEAR] button to ascent up/down grill.

5 Press [ESC] button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.

Function setting : Filter Sign Clear

1 Press [⚙] button repeatedly until the 🧹 is flashing.

2 When the [⚙] is flashing, press the [OK CLEAR] to clear this display

When filter is covered by dust, it will reduce cooling/ heating efficiency and accumulate more electric power. Therefore, do clean the filter whenever cleaning time is expired.

Function setting : Vane Angle Control

1 Repeat pressing ⚙ button until icon flash.

2 Press ∧∨ button to select active vane : 1 / 2 / 3 / 4 / All / Standard Select Vane number using <> buttons.

* Vane number : No. 1, 2., 3, 4, all, or standard
  - Selected vane is in operation.
  - Please verify the operating vane.
  - To set the angle of all the vanes, select 'all'.
  - To set as the factory default settings, select 'standard'.

3 Select wind angle using ∧∨ button, and press OK/CLEAR button.

- The boundary of wind angle settings can be changed to 5 levels or 6 levels according to the product.
- When selecting 'standard' for Vane number, the wind angle does not move.

4 Set the wind angles for the remaining vanes as the same as above.

* There are products with vanes with no. 1 and no. 2 only according to the product types.

5 Press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.
* When exiting without pressing set button, the manipulated value is not reflected.

6 Press OK/CLEAR button to complete and active the setting process. (Airflow direction function will be released whenever setting vane angle)

7 Press ESC button to exit or system will automatically release without any input after 25 seconds.

Setting Current Time

1 Please press function setup button.
If pressing function setup button repeatedly, it moves to time setup menu. 'Time setup' icon is indicated at that time and date blinks at current time indication area.
Ex) Changing Current Time as 'Monday / AM 10:20'.

2 Press <> key to adjust the current day.



3 Press ∨ key to move to AM/ PM setting mode (the 'AM/ PM segment will flash).



4 Setting AM/ PM value by pressing ∧∨ button.

5 Press <> button to move to 'Hour' setting mode. (the 'Hour' segment will flash)



6 Setting Hour value by pressing ∧∨ button.



7 Press <> button to move to 'Minute' setting mode. (the 'Minute' segment will flash)



8 Setting Minute value by pressing ∧∨ button.



9 Press OK/CLEAR button to finish.



10 In the process, press ESC button to release and exit from setting mode. (In case of exit with incomplete information, it will return to the previous setting)

* When exiting without pressing set button, the manipulated value is not reflected.

Programming : Setting Simple Reservation

In case of there is not any reservation setup on system, it is possible to make a SIMPLE reservation on indoor unit.

1 Press button to enter the programming mode. (the SIMPLE segment flashing)
Ex) Setting Simple Reservation time as '3'.

2 Press ^ v button to adjust reservation time.



3 Press OK/CLEAR button to finish setting.



4 Press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
* When exiting without pressing set button, the manipulated value is not reflected.

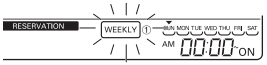
Programming : Weekly Reservation

You can set the daily reservation in weekly unit. Weekly reservation keeps operating until before you cancel it once you setup

1 Please move to reservation setup mode by pressing reservation button.

* You can setup two weekly reservations for one day, and up to fourteen reservations for a week.For example, to setup (Tuesday morning 11:30 turned on ~ afternoon 12:30 turned off), you setup in order below.

2 Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.

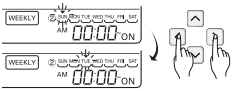


3 Please select weekly reservation or weekly reservation ¡ by using ^ v button.

* You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.



4 Please move to 'date' setup part by using < > button. If 'date' indication blinks, please setup date. You can setup date from Monday to Sunday.



5 Please move to 'AM/PM' setup part of turning on by using ^ v button.



6 Please move to 'hour' setup part of turning on by using < > button.
- It is the part to setup the time at which air-conditioner is turned on.

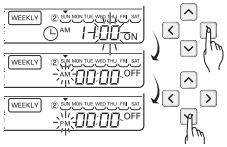


7 Please change time by using ^ v button.
- You can setup hour 0~12.

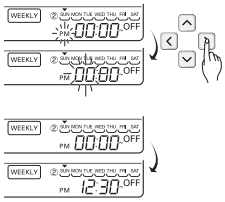
8 Please move to 'minute' setup part of turning on by using > button.

9 If 'minute' indication blinks, please setup 'minute' by using ^ v button

10 Please move to 'AM/PM' setup part of turning off by using > button.
- AM/PM setup is identical with turning on time setup.



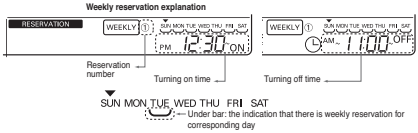
11 Please move to 'hour' setup part of turning off by using Right button.
- It is the part to reserve the time at which air-conditioner is turned off.
- If 'hour' indication blinks, please setup 'hour'.



* Please setup 'hour' and 'minute' identically with the method to setup turning on time.

12 If finishing weekly reservation setup, please press setup/cancellation button. Weekly reservation setup for the day that you set is finished.

13 If you setup with the method identical with above by selecting the day that you'd like to setup, it operates weekly reservation.If you setup both turning on reservation time and turning off reservation time identically, it doesn't operate reservation drive.



Programming : Setting Sleep Reservation

1 Press ⏲ button to enter the programming mode.
Ex) Setting Sleep Reservation time as '3'.

2 Repeat pressing ⏲ button to enter the SLEEP reservation setting mode.
(SLEEP segment flashing)

3 Press ∧∨ button to adjust reservation time. The SLEEP reservation time is from 1 to 7 hours.



4 Press OK CLEAR button to finish setting. Whenever reservation is done.

5 Press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 60 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.
- If reservation is setup, 'sleep' indication shows up at the lower part of LCD screen.

6 If finishing sleep reservation setup, air-conditioner product operates sleep drive and stops after the time that is set.

Programming : Setting ON Reservation

This function is able to turn air conditioner ON after a setting time.

1 Press ⏲ button.
Ex) Setting ON Reservation
Time as 'AM 10:20'.

2 Repeat pressing ⏲ button to enter the ON reservation setting mode.
(ON segment flashing)

3 Press ∧∨ button to adjust AM/ PM setting.



4 Press <> button to Hour setting mode. When the Hour icon flash, please setting time.The setting range is within 1~12.





5 Press<> button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.





6 Press OK CLEAR button to finish setting.



7 Press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.

* When exiting without pressing set button, the manipulated value is not reflected.
- If reservation is set, 'turned on' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
- If reservation is cancelled, 'turned on' indication disappears.

Programming : Setting OFF Reservation

This function is able to turn air conditioner OFF after a setting time.

1 Press ⏲ button.
Ex) Setting OFF Reservation
Time as 'AM 10:20'.

2 Repeatedly pressing button to enter the OFF reservation setting mode.
(OFF segment flashing)

3 Press ∧∨ button to adjust AM/ PM setting.



4 Press <> button to shift to Hour setting mode. When the Hour icon flash, please setting time.
The setting range is within 1~12.





5 Press <> button to shift to Minute setting mode. When the Minute icon flash, please setting minute the setting range is within 00~59.





6 Press OK CLEAR button to finish setting.



7 Press ESC button to exit.

* After setup, it automatically gets out of setup mode if there is no button input for 25 seconds.
* When exiting without pressing set button, the manipulated value is not reflected.
  - If reservation is set, 'turned off' indication shows up at the lower part of LCD screen, and air-conditioner product runs at the time that is set.
  - If reservation is cancelled, 'turned off' indication disappears.

Programming : Holiday Reservation

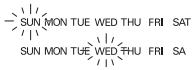
This function is to automatically stop the machine working on some days.

1 Please press ⏲ button. It enters into reservation setup mode.

2 Please move to 'holiday' by repeatedly pressing ⏲ button.



3 Please move to 'date' that you want to setup holiday by using <> button.



4 Please appoint or cancel holiday by using ∧∨ or OK CLEAR button.
For example, when you setup Monday/Friday to holiday
- 'Monday', 'Friday' letter disappears.



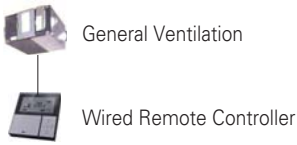
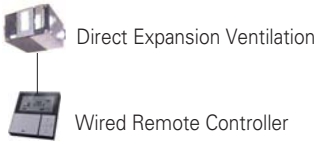
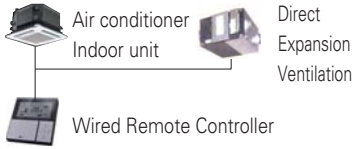
5 Please press ESC button if finishing holiday setup.

* If it comes to appointed holiday, air-conditioner automatically stops.Once you setup holiday appointment, until before you cancel holiday setup, air-conditioner automatically stops within one hour even though you run air-conditioner.

Ventilation Kit Control (Optional)

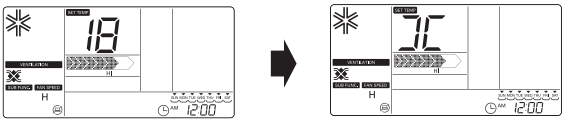
If there is a linkage between ventilator and air conditioner, it is able to control this ventilator.

1 Control using remote controller where air conditioner indoor unit and the ventilation product is installed at the same time.

	Single Operation	Interlinked Operation
General Ventilation	(General Ventilation Single Operation) 	(General Ventilation Interlinked Operation) 
Direct Expansion Ventilation	(Direct Expansion Ventilation Single Operation) 	(Direct Expansion Ventilation Interlinked Operation) 

* Connecting wires is the same as air conditioner user manual. (Refer to page about Group control)

2 Press 'Ventilation' button on the wired remote controller and enter Ventilation control mode to check the operation of ventilation product.



3 To convert back to air conditioner mode, press 'Ventilation' button at the ventilation mode.

- If no button pressed for 15 seconds or more at ventilation mode, it automatically converts back to air conditioner mode.
- Ventilation product represent general ventilation product and direct expansion ventilation product.

MAINTENANCE AND SERVICE

Indoor Unit

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.

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.



1 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.

2 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.

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

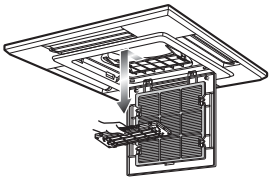
   - Do not expose the air filter to direct sunlight or heat from a fire when drying it.

4 Install the air filter.

Purifying filter(Optional)

Cleaning

The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.



1 After removing the air filters, pull slightly forward to remove the PLASMA filter.

2 Dip the PLASMA filter into the water mixed with neutral detergent, for 20~30 minutes.

3 Dry the PLASMA filter in the shade for a day (Especially, the humidity must be removed perfectly on this parts).

4 Note the cuts of electric discharge lines.

5 Re-install the PLASMA filter to the original position.

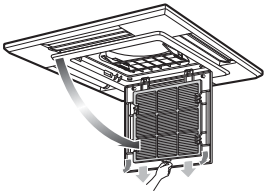
⚠ CAUTION

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

Replacement

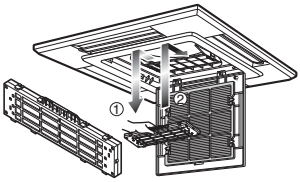
- The PLASMA filter behind the air filters should be checked and cleaned once every 3 months or more often if necessary.

1 Open front panel and remove air filter.

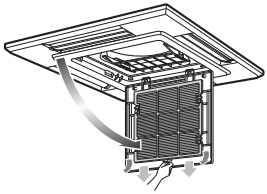


2 Remove air purifying filter.

3 Insert new air purifying filter.



4 Reinsert air filter and close front panel.



Operation Tips

Do not overcool the room. This is not good for the health and wastes electricity.	**Keep blinds or curtains closed.** Do not let direct sunshine enter the room when the air conditioner is in operation.	**Keep the room temperature uniform.** Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room.
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.	**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 occasionally.** Since windows are kept closed, it is a good idea to open them and ventilate the room now and then.

When the air conditioner is not going....

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

1 Operate the air conditioner at the following settings for 2 to 3 hours.
   - Type of operation: Fan operation mode.
   - This will dry out the internal mechanisms.

2 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.

3 Remove the batteries from the Remote Controller.

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.

1 Clean the air filter and install it in the indoor unit.

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

3 Check that the ground wire is connected correctly. It may be connect to the indoor unit side.

Troubleshooting Tips! Save time and money!

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

<table>
<tr>
<td>The air conditioner does not operate.
- Have you made a mistake in timer operation?
- Has the fuse blown or has the circuit breaker been tripped?</td>
<td>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.</td>
<td>It seems that condensation is leaking from the air conditioner.
- Condensation occurs when the airflow from the air conditioner cools the warm room air.</td>
<td>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.</td>
</tr>
<tr>
<td rowspan="2">Does not cool or heat 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 temperature been set incorrectly?
- Are the indoor unit's air inlet or outlet vents obstructed?</td>
<td rowspan="2">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.</td>
<td>Crack sound is heard.
- This sound is generated by the expansion/ constriction of the front panel, etc. due to changes of temperature.</td>
<td>Remote control display is faint, or no display at all.
- Are the batteries depleted?
- Are the batteries inserted in the opposite (+) and (-) directions?</td>
</tr>
<tr>
<td>Filter sign lamp (LED) is ON.
- Cleaning the filter, press the Timer button and ◀ button of wired remote controller at the same time for 3 sec.</td>
<td>The error code is occurred after lightning struck
- This product has been applied to the over current protection circuit.
Error can occur, but it is normal behavior.
After few minutes, It will operate normally.</td>
</tr>
</table>

Call the service immediately in the following situations

1 Anything abnormal such as burning smell, loud noise etc. happen. Stop the unit and turn the breaker off. Never try to repair by yourself or restart the system in such cases.

2 Main power cord is too hot or damaged.

3 Error code is generated by self diagnosis.

4 Water leaks from indoor unit even if the humidity is low.

5 Any switch, breaker (safety, earth) or fuse fails to work properly

User must carry routine checkup & cleaning to avoid unit's poor performance.

In case of special situation, the job must be carried out by service person only.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