

OWNER'S MANUAL

AIR CONDITIONER

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

Ceiling Concealed Duct

Original instruction



MFL67870316
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www.lg.com

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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 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.

⚠ WARNING

- Always ground the product.
 - There is a risk of electric shock.
- Do not use a defective or underrated circuit breaker. Use the correctly rated breaker and fuse.
 - There is risk of fire or electric shock .
- Do not use a multi consent. Always use this appliance on a dedicated circuit and breaker.
 - Otherwise it can cause electric shock or fire.
- For electrical work, contact the dealer, seller, a qualified electrician, or an Authorized Service Center. Do not disassemble or repair the product by yourself.
 - There is risk of fire or electric shock.
- Always ground the product as per the wiring diagram. Do not connect the ground wire to gas or water pipes lightning rod or telephone ground wire.
 - 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 due to dust , water etc.
- Use the correctly rated breaker or fuse.
 - There is risk of fire or electric shock.
- Do not modify or extend the power cable. If the power cable or cord has scratches or skin peeled off or deteriorated then it must be replaced.
 - There is risk of fire or electric shock.
- For installation, removal or reinstall , 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. Be sure that the installation area does not deteriorate with age.
 - It may cause product to fall.
- Never install the outdoor unit on a moving base or a place from where it can fall down.
 - The falling outdoor unit can cause damage or injury or even death of a person.
- When the product is soaked (flooded or submerged) in water , contact an Authorized Service Center for repair before using it again.
 - There is risk of fire or electric shock.
- Be sure to check the refrigerant to the used. Please read the label on the product.
 - Incorrect refrigerant used can prevent the normal operation of the unit.
- Don't use a power cord, a plug or a loose socket which is damaged.
 - Otherwise it may cause a fire or electrical shock.
- Do not touch , operate, or repair the product with wet hands. Hold the plug by hand when taking out.
 - There is risk of electric shock or fire.
- Do not place a heater or other heating appliances near the power cable.
 - There is risk of fire and electric shock.
- Do not allow water to run into electric parts. Install the unit away from water sources.
 - There is risk of fire, failure of the product, or electric shock.
- Do not store or use or even allow flammable gas or combustibles near the product.
 - There is risk of fire.

Safety Precautions

- Indoor/outdoor wiring connections must be secured tightly and the cable should be routed properly so that there is no force pulling the cable from the connection terminals.
 - Improper or loose connections can cause heat generation or fire.
- Safely dispose off the packing materials. Like screws, nails, batteries, broken things etc after installation or svc and then tear away and throw away the plastic packaging bags.
 - Children may play with them and cause injury.
- Make sure to check that the power cable plug is not dirty, loose or broken and then only insert the plug completely.
 - Dirty, loose or broken power plug can cause electric shock or fire.
- In outdoor unit the step-up capacitor supplies high voltage electricity to the electrical components. Be sure to discharge the capacitor completely before conducting the repair work.
 - An charged capacitor can cause electrical shock.
- When installing the unit, use the installation kit provided with the product.
 - Otherwise the unit may fall and cause severe injury.
- Be sure to use only those parts which are listed in the svc parts list. Never attempt to modify the equipment.
 - The use of inappropriate parts can cause an electrical shock, excessive heat generation or fire.
- Do not use the product in a tightly closed space for a long time. Perform ventilation regularly.
 - Oxygen deficiency could occur and hence harm your health.
- Do not open the front grille 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.
- If strange sounds, smell or smoke comes from product. Immediately turn the breaker off or disconnect the power supply cable.
 - There is risk of electric shock or fire.
- Ventilate the product room from time to time when operating it together with a stove, or heating element etc.
 - Oxygen deficiency can occur and hence harm your health.
- Turn the main power off and unplug the unit when cleaning or repairing the product.
 - There is risk of electric shock.
- When the product is not to 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 especially kids could step on or fall onto the outdoor unit.
 - This could result in personal injury and product damage.
- 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 to turn the unit ON/OFF .
 - There is risk of fire or electric shock.
- 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.



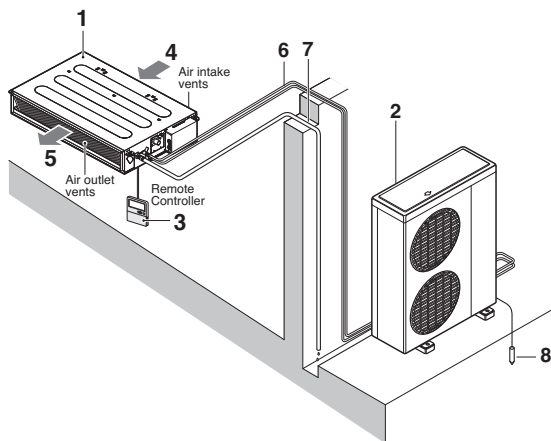
CAUTION

- Two or more people must 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.
- Install the drain hose to ensure that the condensed water is drained away properly.
 - A bad connection may cause water leakage.
- Keep level even when installing the product.
 - To avoid vibration or noise.
- Do not install the product where the noise or hot air from the outdoor unit could damage or disturb the neighborhoods.
 - It may cause a problem for your neighbors and hence dispute.
- Always check for gas (refrigerant) leakage after installation or repair of product.
 - Low refrigerant levels may cause failure of product.
- 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 or splashing water 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.
 - There is risk of personal injury.
- Do not step on or put anything on the product. (outdoor units)
 - There is risk of personal injury and failure of product.
- Always insert the filter securely after cleaning. Clean the filter every two weeks or more often if necessary.
 - A dirty filter reduces the efficiency.
- Do not insert hands or other objects through the air inlet or outlet while the product is operating.
 - There are sharp and moving parts that could cause personal injury.
- Be cautious when unpacking and installing the product.
 - Sharp edges could cause injury.
- If the refrigerant gas leaks during the repair, do not touch the leaking refrigerant gas.
 - The refrigerant gas can cause frostbite. (cold burn)
- Do not tilt the unit when removing or uninstalling it.
 - The condensed water inside can spill.
- Do not mix air or gas other than the specified refrigerant used in the system.
 - If air enters the refrigerant system, an excessively high pressure results, causing equipment damage or injury.
- If the refrigerant gas leaks during the installation, ventilate the area immediately.
 - Otherwise it can be harmful for your health.
- Dismantling the unit, treatment of the refrigerant oil and eventual parts should be done in accordance with local and national standards.
- 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 product failure.
- Do not recharge or disassemble the batteries. Do not dispose off 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 hazard.
- 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.
- Do not expose your skin or kids or plants to the cool or hot air draft.
 - This could harm to your health.
- 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, maintaining or repairing the product at an height.
 - Be careful and avoid personal injury.
- Contact the authorized service technician for repair or maintenance of this unit.
- Contact the installer for installation of this unit.
- 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.
- The air conditioner should be used only for the applications for which it has been designed : the indoor unit is not suitable to be installed in areas used for laundry.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. - Children should be supervised to ensure that they do not play with the appliance.
- If anyone other than a licensed professional installs, repairs, or alters LG Electronics air conditioning products, the warranty is voided.
 - All costs associated with repair are then the full responsibility of the owner.
- Do not install the unit in potentially explosive atmospheres.

Product Introduction

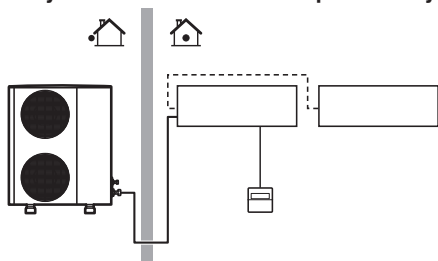
Name and function of parts



- 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

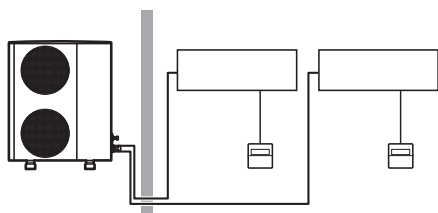
Pair system or Simultaneous operation system



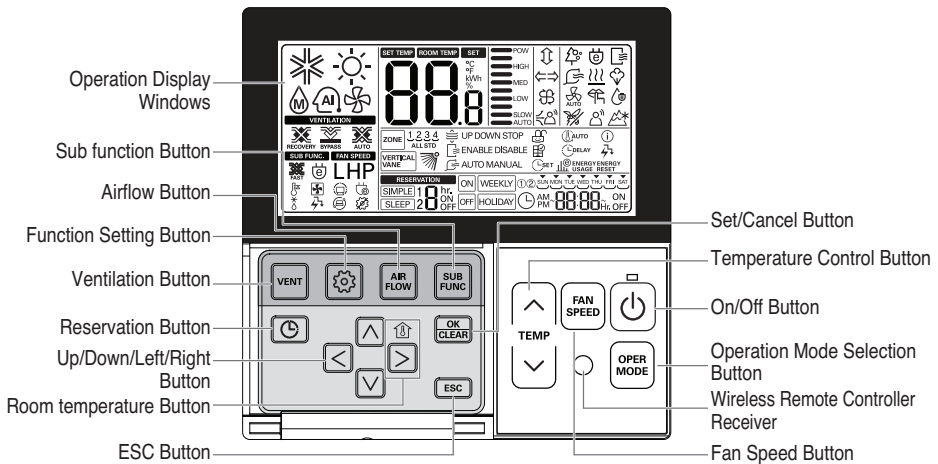
If your installation has a customized control system, ask your LG dealer for the operation that corresponds to your system.

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

Multi system



Name and function of wired remote controller



Operation Display Windows : Displays the status of operation and settings

Ventilation Button : For interlocking operations of air-conditioner and ventilator

Function Setting Button : To select the additional operations function

Airflow Button : To select the airflows

Sub function Button : To select the additional operations function

Reservation Button : To program the schedule

Up/Down/Left/Right Button : To change the settings in the menu

Room temperature Button : To check the indoor temperature

ESC Button : To exit from the menu

Set/Cancel Button : To save the settings in the menu

Temperature Control Button : To change the desired temperature

Fan Speed Button : To select the fan speed

On/Off Button : To turn on/off with a remote controller

Mode Selection Button : To select the operating mode

Wireless Remote Controller Receiver










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

※ It will display strange value to the room temperature if wired remote controller is not connected.

Operating instructions








Standard Operation - Standard Cooling

It cools the room by comfortable and clean wind.

- 1 Press  button to turn on the indoor. 
- 2 Press  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. 


Standard Operation - Heating Mode


It supplies warm wind to the indoor.

- 1 Press  button to turn on the indoor. 
- 2 Press  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. 


- Heating drive only operates at the cooling and heating model.
- Heating doesn't operate at cooling exclusive model.

Standard Operation - Dehumidification Mode


It removes humidity while air-cooling weakly.

1 Press  button to turn on the indoor.



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




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




- In rainy season or high humidity climate, it is possible to operate simultaneously dehumidifier and cooling mode to remove humidity effectively.
- The menu item of wind powerfulness might not be partially selected according to the product.

Standard Operation - Auto Operation Mode

1 Press  button to turn on the indoor.



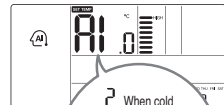
2 Press  button to select Artificial intelligence Mode.



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".









- 2 When cold
1 When cool
0 When appropriate
-1 When warm
-2 When hot

During operating Auto Operation mode:

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

Standard Operation - Fan Mode





It blows the air as it is in the indoor, not the cold wind.

- 1 Press  button to turn on the indoor. 
- 2 Press  button to select Fan Mode. 
- 3 Every time pressing  button, you can select wind flow in order of feeble → weak → medium → strong → automatic. 
When running ventilation, compressor of AHU doesn't work.


- Ventilation drive does not release cool wind but general fan
- Because it releases the wind that has no temperature difference from the room, it functions to circulate the inside air.
- The menu item of wind powerfulness might not be partially selected according to the product.

Standard Operation - Temperature Setting/Room Temperature Check

Temperature Setting








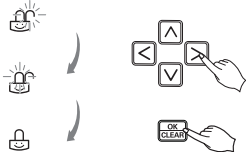




- 1 We can simply adjust the desired temperature.
 - Press the   buttons to adjust the desired temperature.
 - : Increase 1 °C or 2 °F per one time pressing
 - : Decrease 1 °C or 2 °F per one time pressing
 - Room temp: Indicate the current room temperature.
 - Set temp: Indicate the temperature that 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

- 2 Whenever press  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.











Function setting - Child Lock

It is the function to use preventing children or others from careless using.

- 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  button at that time. 

- 3 When cancelling lock function, if moving to 'cancel' icon by pressing   button and then, pressing  button, child lock function is cancelled.
- 4 Press  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.

Sub Function - Plasma Purification(Optional)



Air purifying function cleans the air in the room.

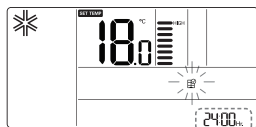
- 1 Press  button repeatedly until  icon displays. 
- 2 Press  button when  icon blinks to select or cancel the purifying function.
 * The  icon will be displayed in case of setting option and disappear in reverse case. 
- 3 Press  button to exit the setup mode.
 * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
 * If the  button is not selected before you exit, the changes will not apply. 

- * Some products may not include Air purifying function because it is an additional function.
- * Air purifying is available only when the unit is running.
- * If you want to run the air purifying only, press Sub function button in the Fan mode and select Plasma Purification.
- * Some functions may not be supported, depending on the model.


Function Setting - Filter Sign Clear

This function is to cancel the filter indicator for filter cleaning of indoor unit.

- 1 Press  button repeatedly until  icon is blinking.



If the system includes a displaying function of the time remaining until next filter cleaning, it will display the remaining time in the current time section.

- 2 When the filter cleaning indicator blinks, press  button to cancel the filter cleaning sign.



- Dust in the filter may reduce cooling/heating efficiency and cause high electricity bill. Therefore, be sure to clean the filter whenever cleaning time is expired.

* Filter cleaning indicator is automatically cancelled without any separate cancellation after certain period of time.

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

Function Setting - Change Temp

Change temperature is the function to setup air-cooling and heating drive automatically changeable according to the temperature at artificial intelligence drive mode.

- 1 Repeat pressing  button until  icon flash.



- 2 Press   button to change.

* Converting temp value : 1~7


1 → **3**



- 3 Press  button to complete and active the setting process.

3



- 4 Press  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.






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

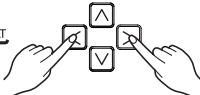

Function setting - Changing Current Time


- 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.

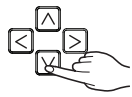


Ex) Changing Current Time as 'Monday / AM 10:20'.





- 2** Press   key to adjust the current day.


SUN MON TUE WED THU FRI SAT

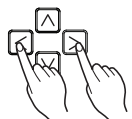



- 3** Press  key to move to AM/ PM setting mode (the 'AM/ PM' segment will flash).


 AM 12:00





- 4** Setting AM/ PM value by pressing   button.



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

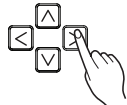


 AM 12:00



- 6** Setting Hour value by pressing   button.



 AM 10:00



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



 AM 10:00


- 8** Setting Minute value by pressing   button.


 AM 10:20


- 9** Press  button to finish.

 AM 10:20


- 10** In the process, press  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.



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



Programming - Simple Reservation

You can set the reservation conveniently in the units of 1 hour from 1 hour to 7 hours.


- 1** Press  button to enter the Programming mode.
(the  segment flashing)




Ex) Setting Simple Reservation time as '3'.

- 2** Press   button to adjust reservation time.



- 3** Press  button to finish setting.



- 4** Press  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 simple reservation setup, product automatically runs or stops after the time that is set.
- * Some functions may not be supported, depending on the model.

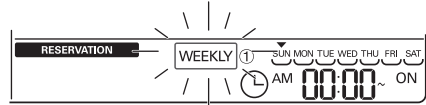
Programming : Weekly Reservation

You can set the daily reservation in weekly unit.

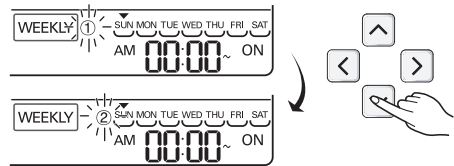
Weekly reservation keeps operating until before you cancel it once you setup

- 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.

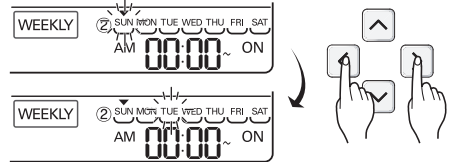
- 2 Please move to 'weekly' by repeatedly pressing reservation button. 'Weekly' blinks at this time.



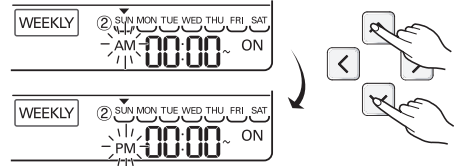
- 3 Please select weekly reservation or weekly reservation 2 by using button.
 * You can setup two reservations, weekly reservation 1 and weekly reservation 2, for a day.



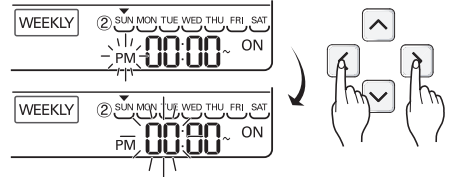
- 4 Please move to 'date' setup part by using button. If 'date' indication blinks, please setup date. You can setup date from Monday to Sunday.



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

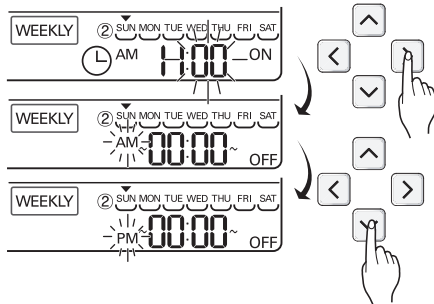


- 7 Please change time by using button.
 - You can setup hour 0~12.

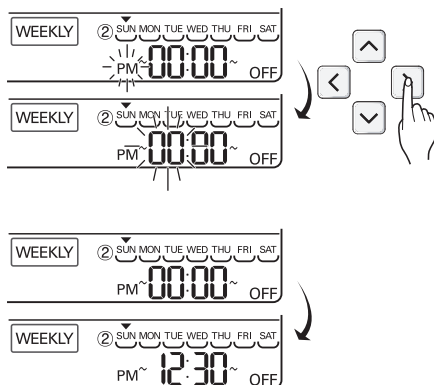
- 8 Please move to 'minute' setup part of turning on by using button.

- 9 If 'minute' indication blinks, please setup 'minute' by using 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'.

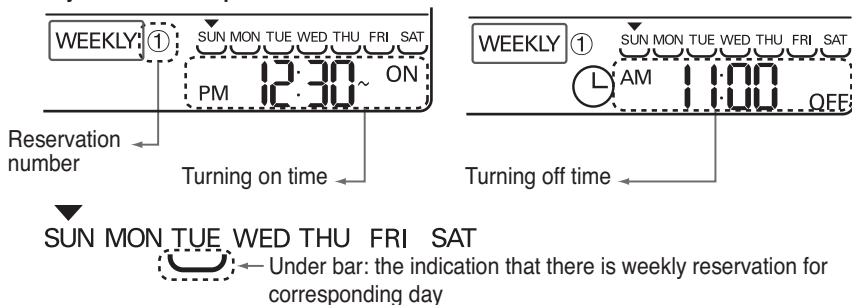


* Please setup 'hour' and 'minute' identically with the method to setup turning on time.

- 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.

Weekly reservation explanation










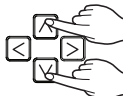



* Indoor unit is turned on to desired temperature if it is configured using up/down button during preset of weekly operation time.

(Temperature selection range : 18 °C~30 °C)

- When desired temperature is not set, it is turned on automatically with desired temperature of previous operation.

Programming - Sleep Reservation

Sleep reservation is the function of air-conditioner to run and stop after certain period of time at sleep mode before sleep. When connected to a ventilation product and set the sleep reservation, when it goes to the sleep mode, after the set time has elapsed.

- 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.
( segment flashing)
- 3 Press   button to adjust reservation time.
The SLEEP reservation time is from 1 to 7 hours.  
- 4 Press  button to finish setting.
Whenever reservation is done. 
- 5 Press  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.


CAUTION

Please reserve proper time at sleeping. (Too much air-cooling is not good for your health.)


- Because it automatically adjusts desired temperature for comfortable air-cooling at sleep drive, there could be difference between remote controller's desired temperature and air-conditioner body's desired temperature.
- Sleep reservation operates as off reservation for the product whose temperature adjustment isn't controlled by unit of 0.5 °C.

Programming - ON Reservation



It turns ON automatically at the time programmed.

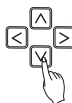
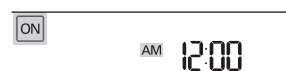
- 1** Press  button to enter the programming mode.





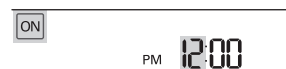
- 2** Press  button repeatedly to select 'ON'.
'ON' icon and 'AM' icon will blink.





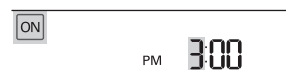
- 3** Set 'AM/PM' using   button.





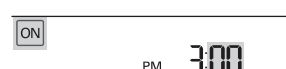
- 4** Move to 'Hour' using   button.




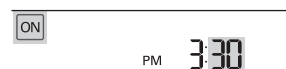
- 5** Set the 'Hour' using   button.



- 6** Move to 'Minute' using   button.






- 7** Set the 'Minute' using   button.



- 8** Press  button when the ON reservation is completed.




- 9** Press  to exit.

- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
- * If the  button is not selected before you exit, the changes will not apply.
 - When the schedule setting is completed,  icon will display in the lower LCD screen, and the system will run at the time programmed.
 - When the ON schedule is cancelled,  icon will disappear.


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

Programming - OFF Reservation

It turns OFF automatically at the time programmed.

- 1** Press  button to enter the programming mode.







- 2** Press  button repeatedly to select 'OFF'.
'OFF' icon and 'AM' icon will blink.



* You can program the 'AM/PM', 'Hour' and 'Minute' as the same way as the ON reservation.

- 3** Press  button when the OFF reservation is completed.



- 4** Press  to exit.
- * If no button is selected for about 25 seconds after setup, it exits the setup mode automatically.
 - * If the  button is not selected before you exit, the changes will not apply.
 - When the schedule setting is completed,  icon will display in the lower LCD screen, and the system will stop at the time programmed.
 - When the schedule is cancelled,  icon will disappear.


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

Programming - Holiday Reservation



It automatically stops at reserved day that you set.

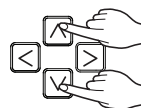
- 1 Please press  button.
It enters into reservation setup mode.






- 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  button.
For example, when you setup Monday/Friday to holiday
- 'Monday', 'Friday' letter disappears.



- 5 Please press  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.

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

Maintenance and Service

Indoor Unit

Grille, Case and Remote Control

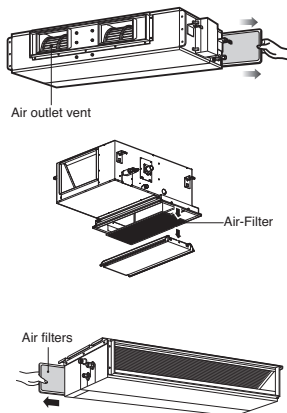
□ Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE

Supply power must be disconnected before cleaning the indoor unit.

Air Filters

The air filters behind the front grille should be checked and cleaned once every 2 weeks or more often if necessary.



■ 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 (40 °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.

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 cooling operation.

Make sure that the doors and windows are shut tight.

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

Clean the air filter regularly.

Blockages in the air filter reduce the airflow and lower air conditioned 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 from time to time.

When the air conditioner is not going....

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.

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.

3. Remove the batteries from the Remote Controller.

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.

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
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?
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 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 setting temperature been set incorrectly?
	• 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?

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.
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.**

