

OWNER'S MANUAL

AIR CONDITIONER

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

TYPE : CEILING CONCEALED DUCT

Model : AUSTRALIA HIGH STATIC DUCT



P/NO : MFL41032504

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.
- The product shall be installed according to the Wiring regulations of the corresponding country.
- 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 anything 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.

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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

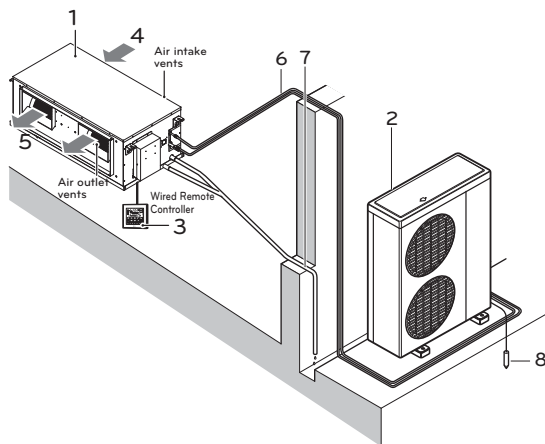
For repair and maintenance, contact your authorized service dealer.

OPERATING TEMPERATURE - Inverter Model

COOLING MODE			
INDOOR[°C WB]		OUTDOOR[°C DB]	
MIN.	MAX.	MIN.	MAX.
12	23	-10	48
HEATING MODE			
INDOOR[°C DB]		OUTDOOR[°C WB]	
MIN.	MAX.	MIN.	MAX.
16	30	-15	18

PRODUCT INTRODUCTION

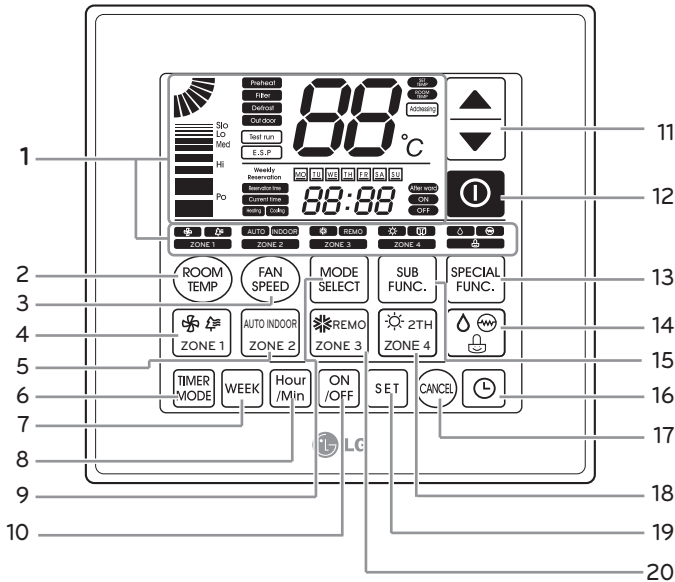
Name and function of parts



- 1: Indoor unit
- 2: Outdoor unit
- 3 : Wired Remote Controller (Accessory)
- 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.

*The shape of products can be changed as the model capacity and type.

Deluxe wired remote controller(Accessory:PDRCUDBO)



- | | |
|----------------------------------|---|
| 1 Operation display panel | 13 Special function button |
| 2 Room temperature button | 14 Dehumidification/ Heater/
Child lock button |
| 3 Fan speed button | 15 Sub function button |
| 4 Fan/ Plasma/ Zone1 button | 16 Easy reservation button |
| 5 Auto/ Indoor/ Zone2 button | 17 Cancel button |
| 6 Timer mode button | 18 Heating/ Two thermistor/
Zone4 button |
| 7 Date selection button | 19 Setting button |
| 8 Hour/Minute button | 20 Cooling/ Remo/ Zone3 button |
| 9 Mode selection button | |
| 10 On/Off button for reservation | |
| 11 Temperature control button | |
| 12 On/Off button | |

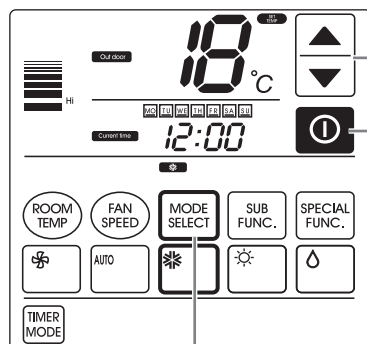
Each function will be shown on the display panel for three second or so when the initial power is on.

The analog panel enables you to use the remote controller with a touch of your own finger without pressing any extra button.

However, if you press more than one button at the same time, it may cause malfunction. The above picture differ from model to model.

OWNER'S INSTRUCTION

Cooling Mode



- 1 Press the **ⓘ** button and then press the **❄️** button.



- 2 Press the **▲▼** button and set the expected temperature lower than the current room temperature. (18~30°C)



A click of the button will increase the expected temperature by 1°C.

A click of the button will decrease the expected temperature by 1°C.

* If the expected temperature is set higher than the current room temperature, the cooling function will not begin and just the blowing operation will continue.

- 3 Press the **MODE SELECT** button and choose one of the functions among **🌀**, **AUTO**, **❄️**, and **💧** if you want another operation mode during the operation.



- 4 If you press the **ⓘ** button, the cooling mode will stop.



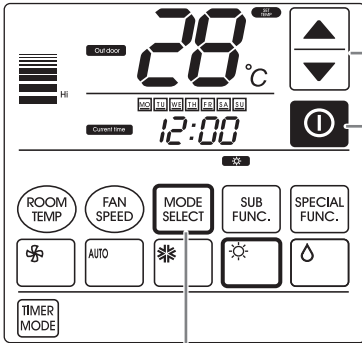
What is the three-minute delay function?

The function to protect the compressor delays the output of cool air when operating instantly after interrupting the cooling mode.

Cooling mode restarts after 3 minutes when the compressor starts to operate.

- You can choose the expected temperature from 18°C to 30°C.
- It is recommended that the ideal difference of the temperature between indoors and outdoors should be less than 5°C.

Heating Mode



- 1 Press the  button and then press the  button.



- 2 Set the expected room temperature higher than the current room temperature.
(16~30°C)



A click of the button will increase the expected temperature by 1°C.

A click of the button will decrease the expected temperature by 1°C.

- * If the expected temperature is set lower than the current room temperature, the heating operation will not begin and just the blowing operation will continue.

- 3 Press the  button and choose one of the functions among , , , and  if you want another operation mode during the operation.



- 4 If you press the  button, the heating operation will stop.

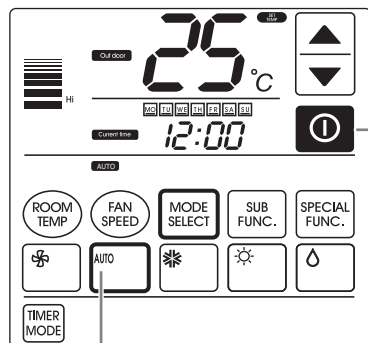


What is the three-minute delay function?

It will take a time for the product to blow warm air. The delay is just to protect the compressor. The room will be heated with warm air after three minutes when the compressor begins operation.

* The cooling-only model will not do heating function.

Auto Changeover Mode

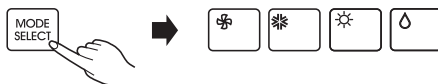


- 1 Press the  button and then press the  button.



- 2 When the expected temperature is lower than the room temperature :
Cooling Mode.
When the expected temperature is higher than the room temperature :
Heating Mode

- 3 Press the  button and choose one of the functions among , , , and  if you want another operation mode during the operation.

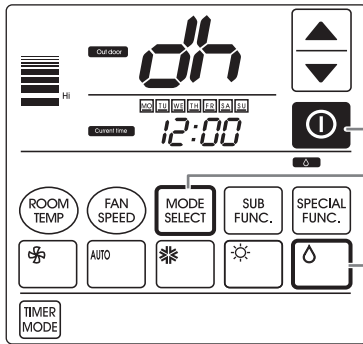


- 4 If you press the  button, the cooling mode will stop.



Dehumidification Mode

Dehumidification operation: Dehumidification by lowering temperature slightly



- 1 Press the  button on the remote controller.



- 2 Select the dehumidification function by pressing the  button and the  button.



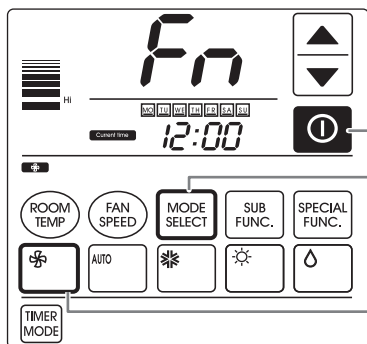
- 3 When the dehumidification is being done, "dh" will be shown on the display panel.

- 4 Press the  button and choose one of the functions among , , , and  if you want another operation mode during the operation.



* If used during the rainy season or high humidity, you can have both of effective dehumidifying and air conditioning effect.

Fan Mode



1 Press the  button on the remote controller.



2 Select the fan function by pressing the  button and  button.



3 When the fan is being done, "Fn" will be displayed on the display panel.

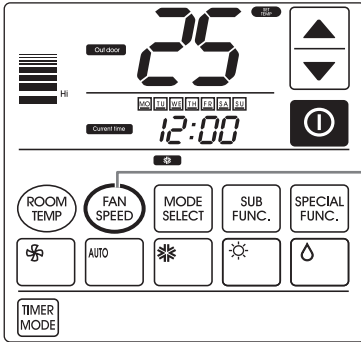
4 Press the  button and choose one of the functions among , , , and  if you want another operation mode during the operation.



- When fan mode is operated, the outdoor compressor doesn't work.
- FAN operation doesn't bring out cold air but air from regular fan comes out.
- Have a function to circulate the indoor as it sends out the air that doesn't have much temperature difference with indoor.

Fan Speed Selection

You can easily control the fan speed.



- 1 Select the proper fan speed which you want by pressing the  button on the remote controller.



- If you press the  button, the strength of the fan speed will change in the order of Low → Med → Hi .
- If the product is not compatible with the fan speed control, it will not function as your selection.

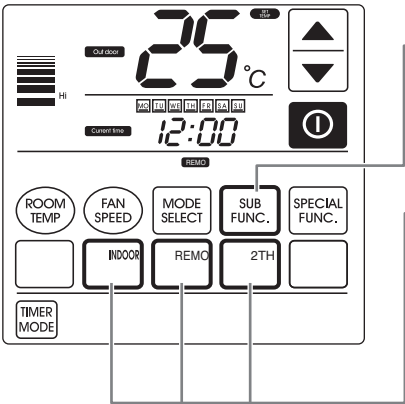
Fan Speed Selection



- If the indoor unit is compatible with the slow fan speed, you can adjust the air flow slow level.

SUB FUNCTION

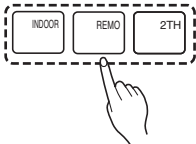
Thermistor



1 Press the  button on the remote controller.



2 Set thermistor mode by pressing , ,  button.



Selected button	Function
	Operation in indoor unit temperature sensor.
	Operation in remote controller temperature sensor.
	- Cooling Mode: Operating lower temperature sensor comparing the Remote Controller and Indoor Unit(or Remote Sensor) temperature. - Heating Mode: Operating higher temperature sensor comparing the Remote Controller and Indoor Unit(or Remote Sensor) temperature.

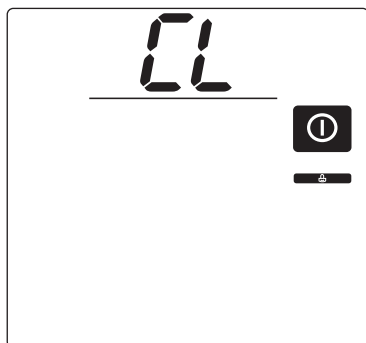
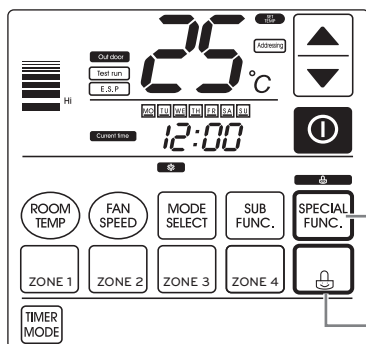
* System will use value that sensed indoor unit or remote controller.

SPECIAL FUNCTION

This is a function to prevent tampering of settings by children or others.

Child Lock

You can use the child lock function.



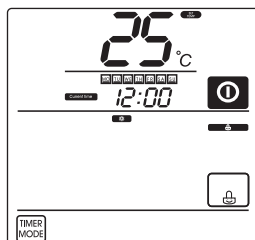
- 1 Press the **SPECIAL FUNC.** button of the remote controller.



- 2 Press **CL** button.



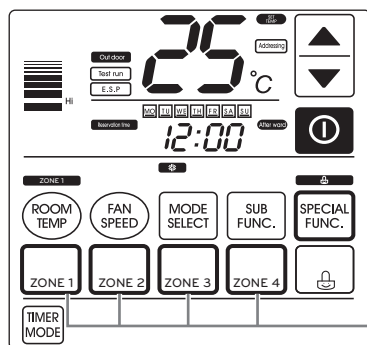
- A click of the child lock button will turn on/off the indicator.
- If you press another button while adjusting child lock function, the temperature display will show CL for three seconds and then the operation will come back to the original mode.
- If you want use the child lock function in off mode, select child lock and press the **ON** button within three seconds.



- If you want to cancel the child lock function in the off mode, just press **CL** button.

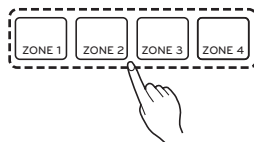
Damper control function

You can control zones when you've installed the Damper controller new type.



1 Press the **SPECIAL FUNC.** button.

2 Press **ZONE 1**, **ZONE 2**, **ZONE 3**, **ZONE 4** button.



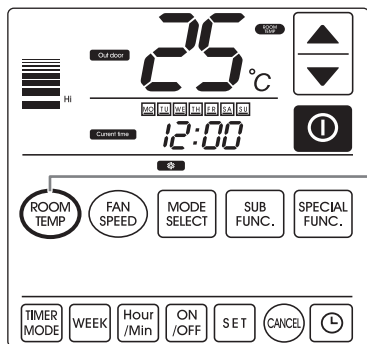
then select zone is displayed.

ZONE 1 **ZONE 2** **ZONE 3** **ZONE 4**

- A click of the desired zone will turn on/off it's indicator.
- At least one zone always is to be left on.
This will not allow you to turn off the last zone operating.

* It can be activated from zone1 to zone4 in the remote screen even if you do not use Damper Controller.

Room Temperature Check

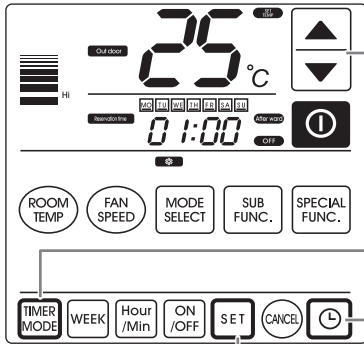


- 1 If you press **ROOM TEMP** button on the remote controller, the indoor temperature displays for 5 seconds. The display goes to a previous screen after 5 seconds. Room temperature value is based on thermostat setting.



* There would be some difference between actual temperature you feel and room temperature of remote controller, because the temperature of the position is not uniform which the remote controller is located on.

Simple Reservation



- 1 Press button on the remote controller.



- 2 Press easy button.



- 3 You can change the values by pressing the control buttons. Choose a desired reservation time.



- 4 By pressing the button, set your simple reservation time turn-on reservation can be set only when not in operation
 - You can set reservation from 1 to 24 hours.



- 5 Turn-off reservation can be set only when in operation. Turn-on reservation can be set only when in off mode.

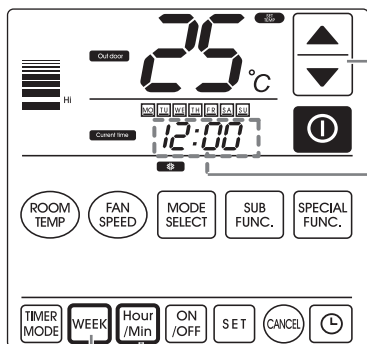
- If turn-on reservation was set, it will start operating after the set time

- Turn-off reservation was set, it will stop operating after the set time

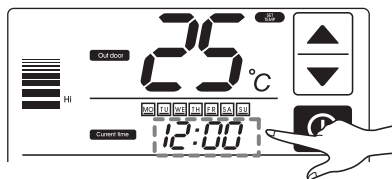
- Excessive use of air conditioning is bad for your health. Please set a moderate amount of time for your reservation.

- It works deluxe wired remote controller's reservation time, if preset time by wireless and deluxe wired remote controller at the same time .

Setting the current time



- 1 You can set the current time by pressing the time display. When the time display is selected, a window for date and time setting shows up.



- 2 Press the **WEEK** button.

If you press the **WEEK** button, the day of the week will flash. Then you can choose the proper day in the order of Monday, Tuesday, Wednesday, Thursday, Friday, Saturday, and Sunday.



- 3 If you press the **Hour/Min** button, the hour digits will flash so that you can adjust it by pressing the **▲** button. If you press the **Hour/Min** button one more time, the minute digits will flash. You can adjust it by pressing the **▲** button.

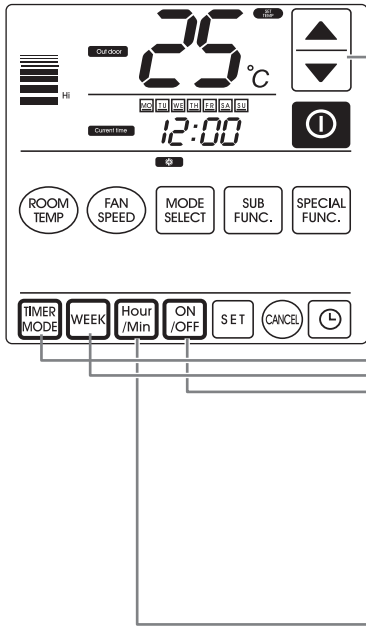


- 4 After adjusting time, press the **SET** button so that the current configuration can be saved.



Weekday reservation

Weekday reservation is the function to set the time to turn on and off for each day during the week from monday through sunday.



- 1 Press the **TIMER MODE** button on the control panel of the remote controller.



- 2 Select the day of week to set using the **WEEK** button.



- 3 After pressing the **ON/OFF** button decide the time to turn off the air conditioner using the **ON/OFF** button. If the off icon blinks for a while and then stops on the time display panel, it is successfully set.



- 4 After selecting the day of week, select the time to turn on the product using the **Hour/Min** button.

Press the **Hour/Min** button one more time to set the minute using the **Hour/Min** button and press the **SET** button.



- 5 To set for other days of the week, press the **WEEK** button and set the time in the same procedure.

Press the **TIMER MODE** button to exit the reservation mode.



- 6 To cancel the weekday reservation function, press the **CANCEL** and then cancel.

If you see an outline box around the day of week, it means that time to start and end have been set. When selecting the reservation mode, other function button cannot be entered.

- It works deluxe wired remote controller's reservation time, if preset time by wireless and deluxe wired remote controller at the same time.

MAINTENANCE AND SERVICE

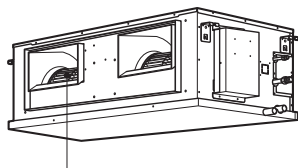
Indoor Unit

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 outlet vent

Call the service immediately in the following situations

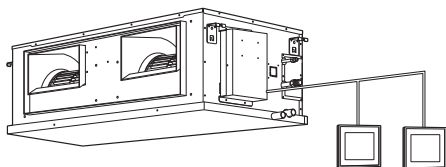
- Anything abnormal such as burning smell, loud noise etc. happen. Stop the unit and turn the breaker off. Never try to repair by yourself or restart the system in such cases.
- Main power cord is too hot or damaged.
- Error code is generated by self diagnosis.
- Water leaks from indoor unit.
- Any switch, 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 the only service person.

Two wired remote controller

- All wired remote controllers are displayed on identical information.
- Last used wired remote controller has priority on product's movement.



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.	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.

Filter

The units shipped without a filter and is the responsibility of the installer to secure a filter in the return air ductwork.

Filter must always be used and must be kept clean.

When filters become dirt laden, insufficient air will be delivered by the blower, decreasing your units efficiency and increasing operating costs and wear-and-tear on the units and controls.

Filters should be checked monthly especially since the unit may be used for both heating and cooling

- 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.

When the air conditioner is not going....

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

- Operate the air conditioner on Air circulation mode for 2 to 3 hours.
This will dry out the internal parts.
- 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.

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. - 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 condensation is leaking from the air conditioner. - Condensation occurs when the airflow from the air conditioner cools the warm room air.	Air conditioner does not operate for about 3 minutes when restart. - This is the protector of the mechanism. - Wait about three minutes and operation will begin.
Does not cool or heat effectively. - Is the air filter dirty? See air filter cleaning instructions. - 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?	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?

