



# Split Air Conditioner

## Owner's Manual

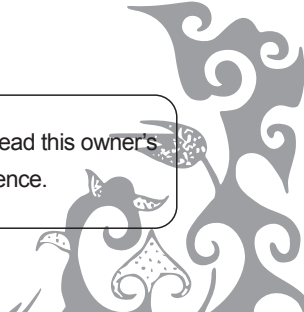
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### Residential Air Conditioners



MODEL: GWH30LB-D3DNXXE  
GWC36LB-D3DNXXE  
GWH36LB-D3DNXXE

Note: "XX" stand for different front panels "A1~A9" or "B1~B9"  
or "C1~C9" or "D1~D9" or "E1~E9".



Thank you for choosing Residential Air Conditioners, please read this owner's manual carefully before operation and retain it for future reference.

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Never attempt.



Be sure to follow this instruction

The physical product may differ from the drawing in this manual for different display. If there are some differences between them, please refer to the physical product as the standard.

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 they are away from the appliance.



Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

# ◆ Safety Precautions

Please read the following notices before operation

## WARNING

★ If there's abnormal phenomenon (like smell of burning), please cut off the power immediately and then contact with Gree authorized maintenance center.



If this abnormal status is kept on, air conditioner may be damaged or even cause electric shock or fire.

★ Do not operate the air conditioner with wet hands.

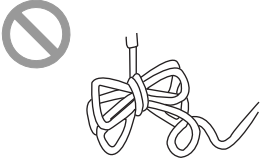


Otherwise, it may cause electric shock.

★ Do not cut off or damage the power cord or signal control wire. If the power cord or signal control wire of air conditioner is damaged, please replace it by the professional with specified power cord.

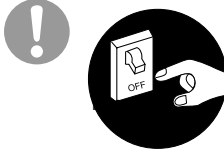


★ The special circuit must be adopted for power supply to avoid fire.



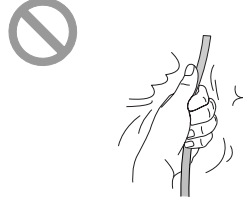
Do not use octopus multipurpose socket or mobile wiring board for wire connection.

★ Please cut off the power supply when the air conditioner won't be used for an extended period of time.



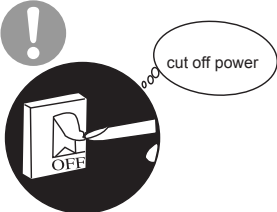
Otherwise, it will accumulate dust and it may cause overheating, fire and other accidents.

★ Do not damage the power cord or use unspecified power cord.



Otherwise, it may cause fire due to overheating of power cord.

★ Before cleaning the air conditioner, please cut off the power.




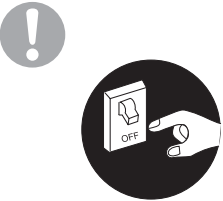
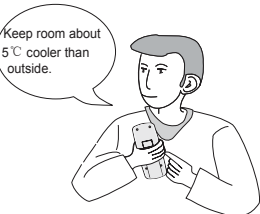
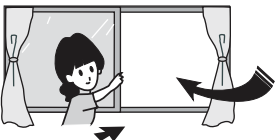
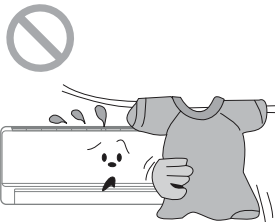
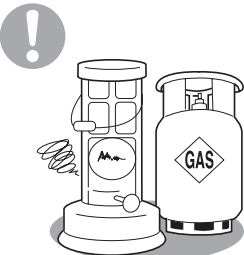
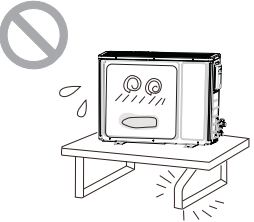
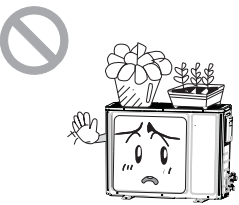
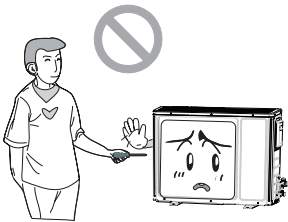
Otherwise, it will cause electric shock or injury.

★ Power supply should adopt the special circuit with the protection of air switch and the capacity must be sufficient. Please do not turn on or turn off the air conditioner frequently.

Y-type connection is adopted for the power supply of this air conditioner. If the power cord is damaged, it must be replaced by the manufacture, maintenance center or a similarly qualified person to avoid a hazard.

★ When the voltage is too high electric elements can be damaged easily; if the voltage too low, the compressor will vibrate fiercely, which may damage the cooling system or compressor and electric components can't operate.

## ◆ Safety Precautions

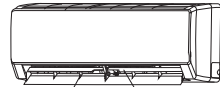
<p>⚠ ★ Always ensure effective earthing.</p>  <p>No earthing may cause electric shock.</p>	<p>★ For safety, be sure to turn off the circuit breaker before performing any maintenance or cleaning or when the product is not used for an extended period of time.</p>  <p>Accumulated dust may cause fire or electric shock.</p>	<p>★ Select the most appropriate temperature.</p>  <p>Keep room about 5°C cooler than outside.</p> <p>It can save electric energy.</p>
<p>★ Do not keep windows and doors open for a long time during operation.</p>  <p>It will result in insufficient performance.</p>	<p>★ Do not block the air in let or outlet.</p>  <p>It will result in insufficient performance and cause malfunctions.</p>	<p>★ Keep combustible materials away from the units at least 1m.</p>  <p>It may cause fire or explosion.</p>
<p>★ Install the outdoor unit firmly enough.</p>  <p>It may cause falling of the unit and injury to the person.</p>	<p>★ Do not step on the top of the outdoor unit or place heavy things on it.</p>  <p>It may cause damage or injury</p>	<p>★ Do not attempt to repair the air conditioner by yourself.</p>  <p>Incorrect repairs may cause electric shock or fire. Please contact the local authorized service center.</p>

## ◆ Safety Precautions

- ★ Do not cut off or damage the power cords or control cords. If they are damaged, please contact the dealer or qualified service personnel.

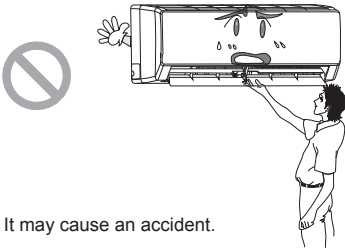


- ★ To change the airflow direction, adjust the vertical and horizontal air flow direction by using the remote controller.



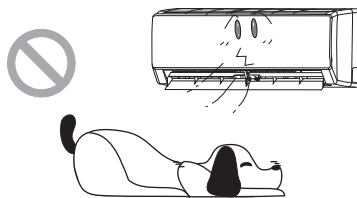
Vertical Louver      Horizontal Louver

- ★ Do not insert your hands or objects into the air in let or outlet.



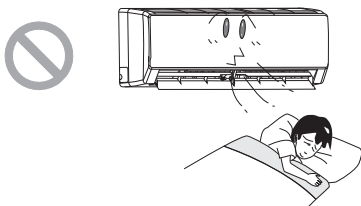
It may cause an accident.

- ★ Do not expose animals or plants directly to the air flow.



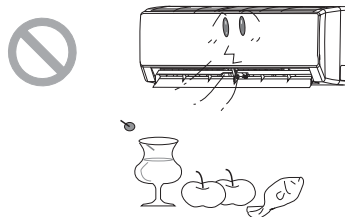
It may have a detrimental effect on them.

- ★ Do not expose yourself to cold air directly for a long time.

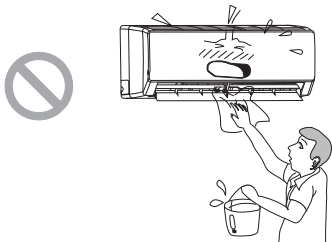


It's not good for your health.

- ★ Do not use the unit for any other purpose, such as preserving food or drying clothes.

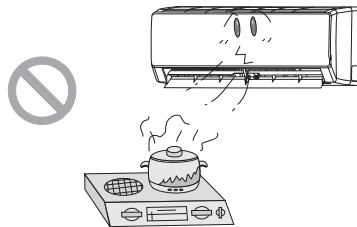


- ★ Do not splash water on the air conditioner.



It may cause electric shock or malfunction.

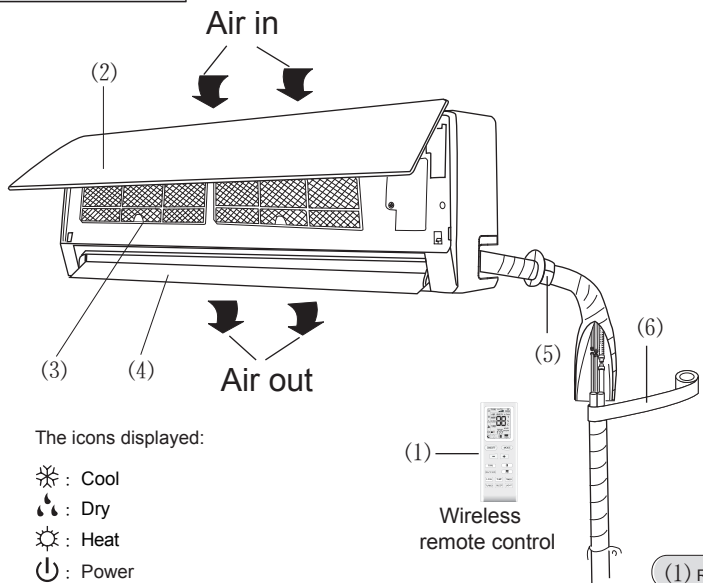
- ★ Do not place a burner near the air conditioner.



It will cause CO toxicosis due to incomplete burning.

# ◆ Name of Parts

## Indoor unit



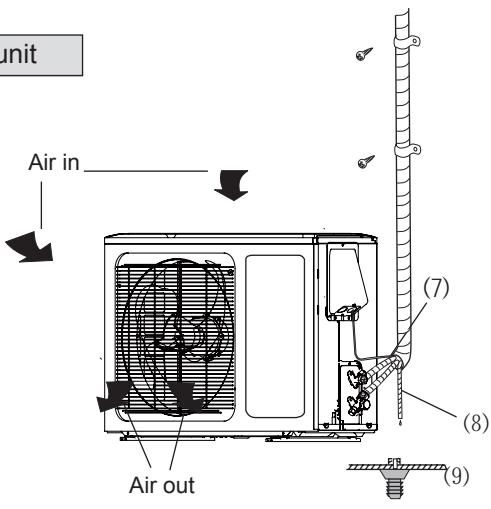
The icons displayed:

- ☀ : Cool
- 💧 : Dry
- ☀ : Heat
- ⏻ : Power
- BB : Set temp.

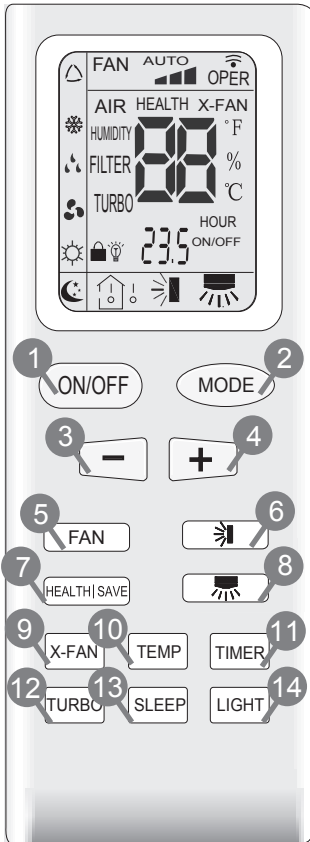
(1) — Wireless remote control



- (1) Remote controller
- (2) Front panel
- (3) Filter
- (4) Horizontal louver
- (5) Wall pipe
- (6) Binding tape
- (7) Connection Pipe
- (8) Drain hose
- (9) Drain connector

## Outdoor unit

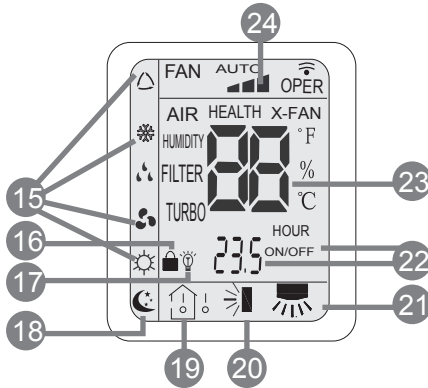


## ◆ Operation of Remote Controller



- 1 **ON/OFF**  
Press it to start or stop operation.
- 2 **MODE**  
Press it to select operation mode (AUTO/COOL/DRY/FAN/HEAT).
- 3 **-** : Press it to decrease temperature setting.
- 4 **+** : Press it to increase temperature setting.
- 5 **FAN**  
Press it to set fan speed.
- 6   
Press it to set up & down swing angle.
- 7 **HEALTH|SAVE** ( page 8)  
Press it to turn on or off health function.
- 8   
Press it to set left & right swing angle.
- 9 **X-FAN** ( page 8)
- 10 **TEMP**( page 8)
- 11 **TIMER**  
Press it to set timer ON/ timer OFF.
- 12 **TURBO**( page 8)
- 13 **SLEEP**( page 9)
- 14 **LIGHT**  
Press it to turn on/off the light.

## ◆ Operation of Remote Controller



### 15 MODE icon:

If MODE button is pressed, current operation mode icon (AUTO), (COOL), (DRY), (FAN) or (HEAT only for heat pump models) will show.

### 16 LOCK icon:

is displayed by pressing "+" and "-" buttons simultaneously. Press them again to clear the display.

### 17 LIGHT icon:

is displayed by pressing the LIGHT button. Press LIGHT button again to clear the display.

### 18 SLEEP icon :

is displayed by pressing the SLEEP button. Press this button again to clear the display.

### 19 TEMP icon:

Pressing TEMP button, (set temperature), (indoor ambient temperature) (outdoor ambient temperature) and blank is displayed circularly.

### 20 Up & down swing icon:

is displayed when pressing the up & down swing button. Press this button again to clear the display.

### 21 Left & right swing icon:

is displayed when pressing the left & right swing button. Press this button again to clear the display.

### 22 SET TIME display:

After pressing TIMER button, ON or OFF will blink. This area will show the set time.

### 23 DIGITAL display:

This area will show the set temperature. In SAVE mode, "SE" will be displayed. During defrosting operation, "H1" will be displayed.

### 24 FAN SPEED display:

Press FAN button to select the desired fan speed setting (AUTO-Low-Med-High). Your selection will be displayed in the LCD windows, except the AUTO fan speed.



# ◆ Operation of Remote Controller

## Remote controller description

### 1 ON/OFF :

Press this button to turn on the unit. Press this button again to turn off the unit.

### 2 MODE :

Each time you press this button, a mode is selected in a sequence that goes from AUTO, COOL, DRY, FAN, and HEAT \*, as the following:



\*Note: Only for models with heating function.

After energization, AUTO mode is defaulted. In AUTO mode, the set temperature will not be displayed on the LCD, and the unit will automatically select the suitable operation mode in accordance with the room temperature to make indoor room comfortable.

### 3 — :

Press this button to decrease set temperature. Hold it down for above 2 seconds to rapidly decrease set temperature. In AUTO mode, set temperature is not adjustable.

### 4 + :





Press this button to increase set temperature. Hold it down for above 2 seconds to rapidly increase set temperature. In AUTO mode, set temperature is not adjustable.

### 5 FAN :

This button is used for setting fan speed in the sequence that goes from AUTO, Low speed, Medium speed, High speed, then back to Auto.



### 6 :

- Press  button to start or stop up & down swing function. The remote controller defaults to simple swing condition.
- Press + button and  button at the same time at unit OFF to switch between simple swing and static swing;  blinks for 2 seconds.
- In static swing condition, pressing  button, the swing angle of up & down louver changes as below:



- If the unit is turned off during swing operation, the louver will stop at present position.





## ◆ Operation of Remote Controller

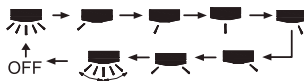
### 7 HEALTH|SAVE:

Press HEALTH part of this button to turn on or off HEALTH function.

Pressing SAVE part of this button,  $\Sigma E$  is displayed and the unit goes into SAVE operation mode. Press SAVE part of the button again to cancel SAVE function. During SAVE operation, the temperature and fan speed is not adjustable.

### 8 :

- Press  button to start or stop left & right swing function. The remote controller defaults to simple swing condition.
- Press + button and  button at the same time at unit OFF to switch between simple swing and static swing;  blinks for 2 seconds.
- In static swing condition, pressing  button, the swing angle of left & right louver changes as below:



- If the unit is turned off during swing operation, the louver will stop at present position.

### 9 X-FAN:

Pressing X-FAN button in COOL or DRY mode, the icon "X-FAN" is displayed and the indoor fan will continue operation for 10 minutes in order to dry the indoor unit even though you have turned off the unit.

After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO, FAN and HEAT mode.

### 10 TEMP:

Press this button, could select displaying the indoor setting temperature or indoor ambient temperature. When the indoor unit firstly power on it will display the setting temperature, if the temperature's displaying status is changed from other status to "🏠", displays the ambient temperature, 5s later or within 5s, it receives other remote control signal that will return to display the setting temperature. If the users haven't set up the temperature displaying status, that will display the setting temperature.

### 11 TIMER:

Press TIMER button at unit ON to set TIMER OFF; HOUR OFF blinks. Press TIMER button at unit OFF to set TIMER ON; HOUR ON blinks. In this case, pressing + or - button changes time setting. Holding down either button rapidly changes time setting (time setting range 0.5-24hours). Press TIMER button again to confirm setting; HOUR ON/OFF stops blinking. If there is not any operation of button within 5 seconds during HOUR ON/OFF blinking, TIMER setting will be cancelled.

### 12 TURBO:



Press this button to activate / deactivate the Turbo function which enables the unit to reach the preset temperature in shortest time. In COOL mode, the unit will blow strong cooling air at super high fan speed. In HEAT mode, the unit will blow strong heating air at super high fan speed. (This function is not applicable for some models).

## ◆ Operation of Remote Controller



### 13 SLEEP :

Press this button to go into the SLEEP operation mode. Press it again to cancel this function. This function is available in COOL , HEAT (Only for models with heating function) or DRY mode to maintain the most comfortable temperature for you.

### 14 LIGHT:

Press LIGHT button to turn on the display's light and press this button again to turn off the display's light. If the light is turned on ,  is displayed. If the light is turned off,  disappears.

### 15 Combination of "+" and "-" buttons: About lock

Press "+" and "-" buttons simultaneously to lock or unlock the keypad. If the remote controller is locked,  is displayed. In this case, pressing any button,  blinks three times.

### 16 Combination of "MODE" and "-" buttons: About switch between Fahrenheit and Centigrade.

At unit OFF, press "MODE" and "-" buttons simultaneously to switch between  $^{\circ}\text{C}$  and  $^{\circ}\text{F}$ .

## Replacement of Batteries

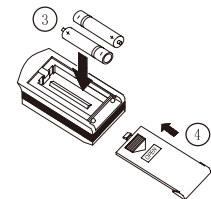
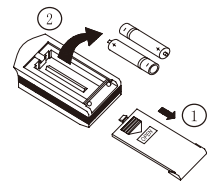
1.Remove the battery cover plate from the rear of the remote controller.

(As shown in the figure)

2.Take out the old batteries.

3.Insert two new AAA1.5V dry batteries, and pay attention to the polarity.

4. Reinstall the battery cover plate.



Sketch map for replacing batteries

### ★ Notes:

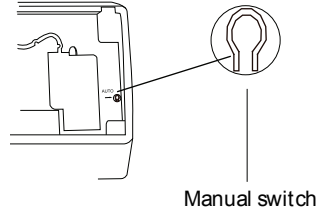
- When replacing the batteries, do not use old or different batteries, otherwise, it may cause malfunction.
- If the wireless remote controller will not be used for a long time, please remove batteries to prevent damage from leaking batteries.
- The operation should be performed in its receiving range.
- It should be kept 1m away from the TV set or stereo sound sets.
- If the wireless remote controller does not operate normally, please take the batteries out and reinsert them after 30 seconds. If it still can't operate properly, replace the batteries.

## ◆ Emergency Operation

### Emergency Operation

When the remote controller is lost or damaged, please use the manual switch on the main unit. In that case, the unit will operate in AUTO mode and the temperature setting or fan speed can not be changed.

The manual switch can be operated as below:



- Turn on the unit: Press AUTO/STOP button to enter AUTO mode.  
The microcomputer will select the mode (COOL, HEAT, FAN) automatically according to the room temperature for reaching comfortable effect.
- Turn off the unit: Press the AUTO/STOP button to switch off the unit.
- The operation mode is seen in the following table.

Mode	Model	Temperature setting	Airflow rate
AUTO	COOLING	77°F ( COOL,FAN)	AUTO
AUTO	HEAT PUMP	77°F ( COOL,FAN)	AUTO
AUTO	HEAT PUMP	68°F ( HEAT)	AUTO

- This switch is to be applied when the remote controller is missing.

## Care and Cleaning



### Caution

- Disconnect the power supply before cleaning and maintenance.
- Do not splash water on the units for cleaning, as electric shocks may occur.
- Wipe the units with a dry soft cloth, or a cloth slightly moistened with water or cleaner (not with volatile liquid such as thinner or gasoline).

### Cleaning the Front Panel

Remove the front panel. Dip a piece of cloth into the water colder than 113°F and dry it. Then wipe the dirty part of front panel.

Note: Do not immerse the front panel into water so as to protect microcomputer components and circuit diagram on the front panel.

### Cleaning the Air Filter (every 3 months)

Note: Do not touch the fin of indoor unit during cleaning to avoid personal injury.

#### ① Take down the air filter

Lift up the front panel.

Pull the air filter downwards to take it off, as shown in Fig. (a, b).

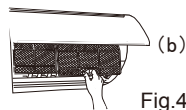
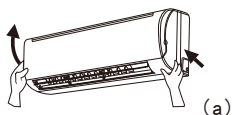


Fig. 4

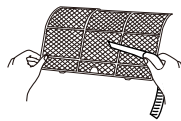
#### ② Clean the air filter

Use a vacuum cleaner to remove dust.

If the filter are dirty, wash them with warm water and a mild detergent.

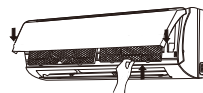
Dry the filters in the shade.

Note: Never use water above 113°F to clean the air filter or it can cause deformation or discoloration.



#### ③ Reinstall the air filter

Reinstall the filters along the direction of arrowhead. Close the panel.



## ◆ Care and Cleaning

### Check before Use

- ① Be sure that nothing obstructs the air outlet and inlet.
- ② Check if the batteries of remote controller are replaced.
- ③ Check if the installation stand of the outdoor unit is damaged. If damaged, consult the technicians.



### Maintenance after Use

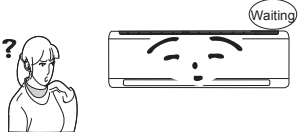
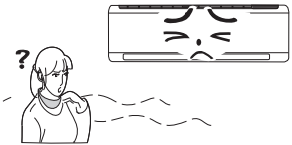
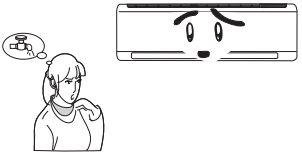
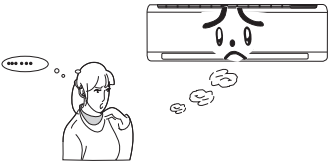
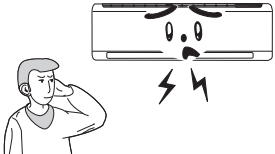
- ① Switch off the power supply.
- ② Clean the filter and bodies of indoor and outdoor units.
- ③ Clear obstructions from the outdoor unit.
- ④ Repaint the rubiginous place on the outdoor unit to prevent it from spreading.

## ◆ Troubleshooting

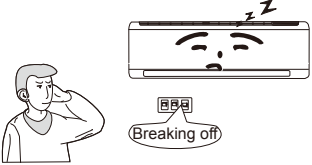
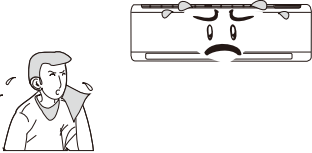
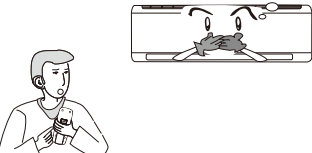


### CAUTION

The air conditioner is not user serviceable. Incorrect repair may cause electric shock or fire so please contact an authorized service center for professional repair. Following checks prior to contact may save your time and money.


Phenomenon	Troubleshooting
<p>The unit does not operate:</p> 	<ul style="list-style-type: none"> <li>• The unit does not operate if it is turned on immediately after it is turned off. This is to protect the unit. You should wait about 3 minutes.</li> </ul>
<p>Odours are emitted:</p> 	<ul style="list-style-type: none"> <li>• Some odours may be emitted from the indoor unit. This is the result of room smells (such as furniture, tobacco, etc.) which have been taken into the air conditioner.</li> <li>• Consult authorized service center for cleaning if the odours still exist.</li> </ul>
<p>"Water flowing" noise:</p> 	<ul style="list-style-type: none"> <li>• The swishing noise like water flowing is the refrigerant flowing inside the unit.</li> </ul>
<p>Mist is emitted in COOL mode</p> 	<ul style="list-style-type: none"> <li>• During cooling operation, a thin mist may be seen emitted from the indoor unit due to high room temperature and humidity. After a period of time, the mist will disappear with the decrease of room temperature and humidity.</li> </ul>
<p>Cracking noise:</p> 	<ul style="list-style-type: none"> <li>• This is the sound of friction caused by expansion and/or contraction of panel or other parts due to the change of temperature.</li> </ul>

## ◆ Troubleshooting

Phenomenon	Troubleshooting
<p>The unit can not be started up:</p> 	<ul style="list-style-type: none"> <li>• Is the power cut off?</li> <li>• Is the circuit protection device tripped off?</li> <li>• Is voltage higher or lower? (Tested by professionals)</li> <li>• Is the TIMER correctly used?</li> </ul>
<p>Cooling/Heating effect is poor:</p> 	<ul style="list-style-type: none"> <li>• Is temperature setting appropriate?</li> <li>• Is the inlet or outlet blocked?</li> <li>• Is the filter dirty?</li> <li>• Is the window or the door open?</li> <li>• Is low fan speed set?</li> <li>• Are there heat sources in the room?</li> </ul>
<p>Remote controller is not available:</p> 	<ul style="list-style-type: none"> <li>• Check if there is magnetic or electrical interference near the unit that may affecting operation of the controller. In this case, cut off the power supply as the air conditioner and reinsert it.</li> <li>• Is the remote controller within its operating range or obstructed? Check the condition of the batteries and replace them if necessary.</li> <li>• Check if the remote controller is damaged.</li> </ul>
<p>Water leakage of indoor unit :</p>	<ul style="list-style-type: none"> <li>• The humidity is high.</li> <li>• Condensing water overflows.</li> <li>• Drain hose is loose.</li> </ul>
<p>Water leakage of outdoor unit :</p>	<ul style="list-style-type: none"> <li>• During cooling operation, water condensate is generated around the pipes and connection joints.</li> <li>• During defrosting operation, the thaw water flows out.</li> <li>• During heating operation, the water on the heat exchanger drips out.</li> </ul>
<p>Noise from indoor unit.</p>	<ul style="list-style-type: none"> <li>• The noise emitted when the fan or compressor relay is switching on or off.</li> <li>• When the defrosting operation is started or stopped, there is a sound of refrigerant flowing in the reverse direction.</li> </ul>



## ◆ Troubleshooting

Phenomenon	Troubleshooting
Indoor unit can not blow air:	<ul style="list-style-type: none"> <li>• In HEAT mode, when the temperature of indoor heat exchanger is very low, air flow is stopped in order to prevent cold air. (Within 2 minutes)</li> <li>• In HEAT mode, when the outdoor temperature is low or humidity is high, frost will be formed on the outdoor heat exchanger. The unit will defrost automatically and indoor unit will stop blowing air for 3-12 minutes.</li> <li>• During defrosting operation, water or vapour may be emitted.</li> <li>• In DRY mode, the indoor fan will stop blowing air for 3-12 minutes in order to avoid condensing water being vaporised again.</li> </ul>
Moisture on air outlet :	<ul style="list-style-type: none"> <li>• If the unit operates at high humidity for a long time, moisture will be generated on the air outlet grill and then drip off.</li> </ul>
C5:Malfunction of connector jumper:	<ul style="list-style-type: none"> <li>• Check if the connector jumper contacts properly. If the PCB is to be replaced, please take off the old for the new PCB.</li> </ul>
F1:Malfunction of indoor ambient temperature sensor	<ul style="list-style-type: none"> <li>• Check if indoor room temperature sensor is connected properly.</li> </ul>
F2:Malfunction of evaporator temperature sensor	<ul style="list-style-type: none"> <li>• Check if the evaporator temperature is connected properly.</li> </ul>
H1:Defrosting	<ul style="list-style-type: none"> <li>• It is normal.</li> </ul>
H6:Indoor fan block	<ul style="list-style-type: none"> <li>• Check if terminal of the indoor motor is connected properly.</li> <li>• Replace the fan motor or the indoor board if disabled.</li> </ul>
Buttons on the cover is unavailable or insensitive	<ul style="list-style-type: none"> <li>• Please check whether the cover is closed completely.</li> </ul>
 If any one of the following situations occurs, immediately stop all operations, cut off the power supply, and contact the authorized personnel	
<div style="border: 1px solid black; border-radius: 15px; padding: 10px;"> <ul style="list-style-type: none"> <li>● There is harsh sound during operation.</li> <li>● Strong odours are emitted during operation.</li> <li>● Water is leaking from the unit.</li> <li>● The air switch or protection switch often trips.</li> <li>● Water or other liquid is splashed into the unit.</li> <li>● Power cord and power plug is overheating.</li> </ul> </div> <div style="border: 1px solid black; border-radius: 15px; padding: 5px; display: inline-block; margin-left: 20px; text-align: center;">             Stop operation and cut off the power supply.         </div>	

## ◆ Operation Tips

### Cooling Operation

#### Principle:

Air conditioners absorb heat in the room and transmit it to the outdoor unit, so that the room temperature is decreased. The cooling capacity will increase or decrease according to outdoor ambient temperature.

#### Antifreezing Function:

If the unit is operating in COOL mode and in low ambient temperature, frost may be formed on the heat exchanger. When indoor heat exchanger temperature decreases below zero, compressor will stop operation to protect the unit.

### Heating Operation

#### Principle:

- \* Air conditioners absorb heat from outdoors and transmit it to the indoor unit, increasing room temperature. The heating capacity will decrease at low ambient temperature.

#### Defrosting:

- \* When outdoor temperature is low but humidity is high, frost may form on the outdoor unit during extended operation, affecting heating efficiency. The air conditioner may stop operation during auto defrosting operation.
- \* During auto defrosting, the fan motors of indoor unit and outdoor unit will stop.
- \* During defrosting, the indoor indicator flashes and the outdoor unit may emit vapor. This is not malfunction.
- \* After defrosting is finished, the heating operation will recover automatically.

#### Anti-cold Air Function:

In HEAT mode, the indoor fan will not operate in order to prevent cold air blowing out (within 2 minutes) if indoor heat exchanger doesn't reach a certain temperature under the following three states:

1. Heating operation starts;
2. After Auto Defrosting is finished;
3. Heating at low temperature.

#### Rest Heat Blow

In the following situations, the indoor unit may still run for some time, to blow out the rest heat of the indoor unit.

1. In HEAT mode, the temperature reaches the setting value, the compressor stops and the indoor fan still run for 60s
2. In HEAT mode, if you turn off the unit, the compressor stops and the indoor fan still run for 10s

## ◆ Operation Tips

### Tips for energy saving:

- \* Do not overcool or overheat.  
Setting temperature at a moderate level helps energy saving.
- \* Cover windows with a blind or a curtain.  
Blocking sunlight and air from outdoors is favorable for cooling (heating).
- \* Clean air filters once per two weeks.  
Clogged air filters lead to inefficient operation and energy waste.

### Tip for relative humidity:

Condensate water is likely to form at the air outlet if cooling or drying for a long time when the relative humidity is more than 80% (with doors and windows open).

The climate type of this unit is according to the nameplate.

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