

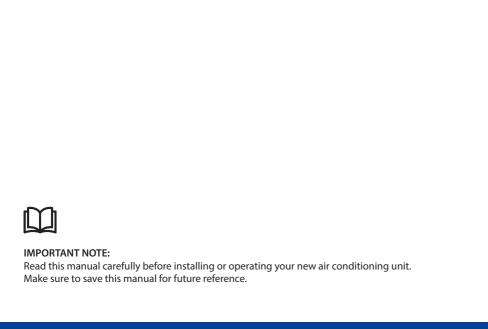
# **USER MANUAL**

[G-TECH SERIES]

GWH09AEC-K6DNA1A (GWH09AEC-K6DNA1A/I + GWH09AEC-K6DNA1A/O)

GWH12AEC-K6DNA1A (GWH12AEC-K6DNA1A/I + GWH12AEC-K6DNA1A/O)





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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 it needs to install, move or maintain the air conditioner, please contact dealer or local service center to conduct it at first. Air conditioner must be installed, moved or maintained by appointed unit. Otherwise, it may cause serious damage or personal injury or death.

Frequency band(s) in which the radio equipment operates:2401MHz-2483MHz Maximum radio-frequency power transmitted in the frequency band(s) in which the radio equipment operates:20dBm



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

R32: 675

## **Explanation of Symbols**



Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.



Indicates important but not hazard-related information, used to indicate risk of property damage.



Indicates a hazard that would be assigned a signal word WARNING or CAUTION.

## **Exception Clauses**

Manufacturer will bear no responsibilities when personal injury or property loss is caused by the following reasons.

- 1. Damage the product due to improper use or misuse of the product;
- 2.Alter, change, maintain or use the product with other equipment without abiding by the instruction manual of manufacturer;
- 3. After verification, the defect of product is directly caused by corrosive gas;
- 4.After verification, defects are due to improper operation during transportation of product;
- 5. Operate, repair, maintain the unit without abiding by instruction manual or related regulations;
- 6.After verification, the problem or dispute is caused by the quality specification or performance of parts and components that produced by other manufacturers;
- 7. The damage is caused by natural calamities, bad using environment or force majeure.



Appliance filled with flammable gas R32.



Before use the appliance, read the owner's manual first.



Before install the appliance, read the installation manual first.



Before repair the appliance, read the service manual first.

## The Refrigerant

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R32, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can leads to explosion under certain conditions. But the flammability of the refrigerant is very low. It can be ignited only by fire.
- Compared to common refrigerants, R32 is a nonpolluting refrigerant with no harm to the ozonosphere. The influence upon the greenhouse effect is also lower. R32 has got very good thermodynamic features which lead to a really high energy efficiency. The units therefore need a less filling.

#### **WARNING:**

Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacture. Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous. The appliance shall be stored in a room without continuously operating ignition sources. (for example: open flames, an operating gas appliance or an operating electric heater.) Do not pierce or burn.

Appliance shall be installed, operated and stored in a room with a floor area larger than 10m2.

Appliance filled with flammable gas R32. For repairs, strictly follow manufacturer's instructions only. Be aware that refrigerants may not contain an odour. Read specialist's manual.









#### **Operation and Maintenance**

- •This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- •Children shall not play with the appliance.
- •Cleaning and user maintenance shall not be made by children without supervision.
- Do not connect air conditioner to multi-purpose socket.
   Otherwise, it may cause fire hazard.
- •Do disconnect power supply when cleaning air conditioner. Otherwise, it may cause electric shock.
- •If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not wash the air conditioner with water to avoid electric shock.
- •Do not spray water on indoor unit. It may cause electric shock or malfunction.
- •After removing the filter, do not touch fins to avoid injury.
- •Do not use fire or hair dryer to dry the filter to avoid deformation or fire hazard.

# **!** WARNING

- Maintenance must be performed by qualified professionals. Otherwise, it may cause personal injury or damage.
- Do not repair air conditioner by yourself. It may cause electric shock or damage. Please contact dealer when you need to repair air conditioner.
- Do not extend fingers or objects into air inlet or air outlet. It may cause personal injury or damage.
- Do not block air outlet or air inlet. It may cause malfunction.
- Do not spill water on the remote controller, otherwise the remote controller may be broken.
- When below phenomenon occurs, please turn off air conditioner and disconnect power immediately, and then contact the dealer or qualified professionals for service.
  - Power cord is overheating or damaged.
  - There's abnormal sound during operation.
  - Circuit break trips off frequently.
  - Air conditioner gives off burning smell.
  - Indoor unit is leaking.
- If the air conditioner operates under abnormal conditions, it may cause malfunction, electric shock or fire hazard.
- When turning on or turning off the unit by emergency operation switch, please press this switch with an insulating object other than metal.
- Do not step on top panel of outdoor unit, or put heavy objects. It may cause damage or personal injury.



#### **Attachment**

- Installation must be performed by qualified professionals.
   Otherwise, it may cause personal injury or damage.
- Must follow the electric safety regulations when installing the unit.
- According to the local safety regulations, use qualified power supply circuit and circuit break.
- Do install the circuit break. If not, it may cause malfunction.
- An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- Including an circuit break with suitable capacity, please note the following table. Air switch should be included magnet buckle and heating buckle function, it can protect the circuit-short and overload.
- Air Conditioner should be properly grounded. Incorrect grounding may cause electric shock.
- Don't use unqualified power cord.
- Make sure the power supply matches with the requirement of air conditioner. Unstable power supply or incorrect wiring may result in electric shock, fire hazard or malfunction.
   Please install proper power supply cables before using the air conditioner.
- Properly connect the live wire, neutral wire and grounding wire of power socket.
- Be sure to cut off the power supply before proceeding any work related to electricity and safety.

#### **Precautions**



- Do not put through the power before finishing installation.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.
- The appliance shall be installed in accordance with national wiring regulations.
- Installation must be performed in accordance with the requirement of NEC and CEC by authorized personnel only.
- The air conditioner is the first class electric appliance. It
  must be properly grounding with specialized grounding
  device by a professional. Please make sure it is always
  grounded effectively, otherwise it may cause electric shock.
- The yellow-green wire in air conditioner is grounding wire, which can't be used for other purposes.
- The grounding resistance should comply with national electric safety regulations.
- The appliance must be positioned so that the plug is accessible.
- All wires of indoor unit and outdoor unit should be connected by a professional.
- If the length of power connection wire is insufficient, please contact the supplier for a new one. Avoid extending the wire by yourself.

#### **Precautions**



- For the air conditioner with plug, the plug should be reachable after finishing installation.
- For the air conditioner without plug, an circuit break must be installed in the line.
- If you need to relocate the air conditioner to another place, only the qualified person can perform the work.
   Otherwise, it may cause personal injury or damage.
- Select a location which is out of reach for children and far away from animals or plants. If it is unavoidable, please add the fence for safety purpose.
- The indoor unit should be installed close to the wall.
- Please notice that the unit is filled with flammable gas R32. Inappropriate treatment of the unit involves the risk of severe damages of people and material. Details to this refrigerant are found in chapter "refrigerant".
- Check whether the maintenance area or the room area meet the requirement of the nameplate.
  - It's only allowed to be operated in the rooms that meet the requirement of the nameplate.
- Check whether the maintenance area is well-ventilated.
  - The continuous ventilation status should be kept during the operation process.
- Check whether there is fire source or potential fire source in the maintenance area.
  - The naked flame is prohibited in the maintenance area; and the "no smoking" warning board should be hanged.
- Check whether the appliance mark is in good condition.
  - Replace the vague or damaged warning mark.
- Please use the flammable gas detector to check before unload and open the container.
- No fire source and smoking.
- According to the local rules and laws.

## **Precautions**



- The air conditioner is not allowed to use in a room that has running fire (such as fire source, working coal gas ware, operating heater).
- It is not allowed to drill hole or burn the connection pipe.
- The air conditioner must be installed in a room that is larger than the minimum room area. The minimum room area is shown on the nameplate or following table a.
- Leak test is a must after installation.
- Instructions for installation and use of this product are provided by the manufacturer.

#### Working temperature range

	Indoor side DB/WB( $^{\circ}$ C)	Outdoor side DB/WB(℃)
Maximum cooling	32/23	43/26
Maximum heating	27/-	24/18

#### **NOTICE:**

• The operating temperature range (outdoor temperature) for heat pump unit of low-temperature cooling is -15  $^{\circ}$ C ~ 43  $^{\circ}$ C.

For heat pump unit of low-temperature cooling and heating is  $-22^{\circ}\text{C} \sim 43^{\circ}\text{C}$ .

## **Emergency operation**

If remote controller is lost or damaged, please use aux. button to turn on or turn off the air conditioner. The operation in details is as below:

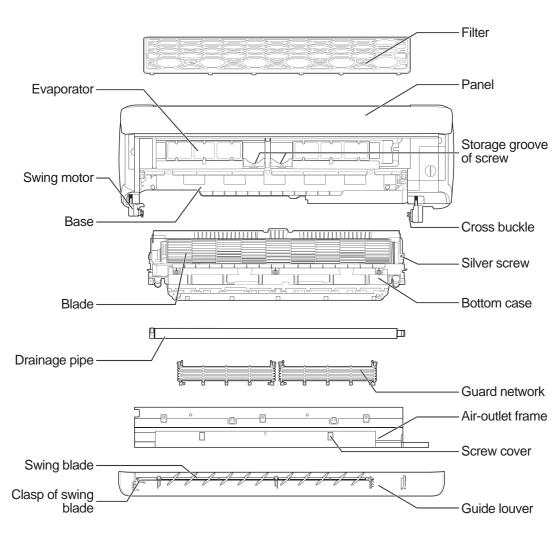
As shown in the fig. Open panel, press aux. button to turn on or turn off the air conditioner. When the air conditioner is turned on, it will operate under auto mode.

panel display

WARNING:

Use insulated object to press the auto button

## Schematic diagram of parts





#### Notices for clean

- When the unit has operated for a period of time and the display flashes to display " continuously, it indicates you should clean the air conditioner. When hold " button on the remote controller for 3s to enter into deep cleaning (power must be cut off for cleaning) under off status, the reminding status will disappear after turning on the unit. If you don't want to clean the air conditioner at the moment, press the combination buttons of "MODE+TEMP" to cancel this remind.
- Please select the clean procedure according to the actual operation environment or the degree of dirt of parts.



#### Warning



Please pull out the power plug

Before maintenance, please do cut off the power. Otherwise, it may cause electric shock.



During the process of maintenance, please make sure the stand Prohibition position is stable and reliable. Otherwise, it may cause injury.



Do not touch the aluminum fins with hand directly. Prohibition Otherwise, it may cause injury.



During disassembly process, do not stand underneath Prohibition the air conditioner.



Do not wash the electrical components Prohibition with water.

#### Indoor unit clean



#### Caution

- Do not use volatile liquid (such as thinner, gasolin, etc.) to clean the air conditioner. Otherwise, the appearance of the air conditioner may be damaged.
- Please use clean and soft cloth to wipe the appearance of the air conditioner.
- Do not use liquid or corrosive detergent clean the appliance and do not splash water or other liquid onto it, otherwise, it may damage the plastic components, even cause electric shock.

#### Daily clean (appearance/filter clean)



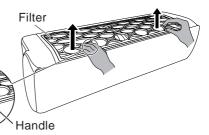
## Wipe the appearance

When there's dust on the appearance of the unit, please wipe it with soft cloth; When the surface is dirty (such as grease), please use immerse the cloth into warm water (45°C), wrist up it and then wipe the surface. You can also dip a little neutral detergent when it's nessary.



## Filter clean

①Hold the handles at both sides of filter with both hands, and then pull the filter upwards to remove it.



②Use clear water to wash it or dust catcher to clean it. If the filter is very dirty (such as grease), use warm water (45 ℃) dissolved with neutral detergent to clean it, and then put it at the shady place to dry it.





# A Caution

Do not use hot water (more than 45°C) to clean the filter to prevent color losing or deformation.

Do not dry the filter on the fire or use hair drier to dry the filter. Otherwise, it may cause fire or deformation.

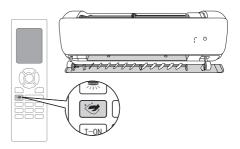
#### Reminder

User can select the clean period according to the actual circumstances and operation environment.

#### Deep clean (parts clean)

#### Guide louver clean

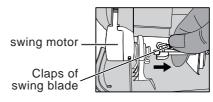
①Under standby status, press 🤏 button for 3s, and the display flashes to display . Meanwhile, the guide louver will open automatically.



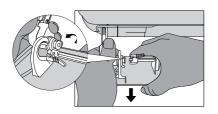
②When the guide louver automatically □ ③Press the clasp at the left side of rotates to the maximum position, will disappear. Cut off the power.



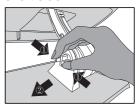
the swing blade and pull it to the right side, and then it can separate with the swing motor.



4) Press the left side connection rod with left hand, hold the guide louver with the right hand, and then pull the guide louver outwards.



⑤Press the cross clasp at the right side of guide louver with right hand, hold the guide louver with left hand and then draw out the guide louver to the left side.

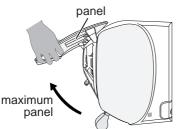


- (6)Immerse the cloth into the warm water (45°C), wring it out and then wipe the dirty part slightly. After that, dry it.
- (7)When the installation is finished, energize the air conditioner again until the guide louver is reset automatically and then the unit can be operated.

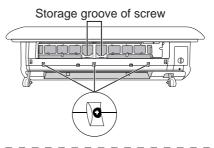
## Air-outlet frame clean



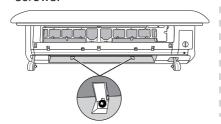
- The black screw is the removable screw. Prohibit disassembling the silver screw at your will (except the silver screw of blade).
- Prevent the air-outlet frame dropping to avoid injury.
  - ①Open the panel with both hands. When the panel is opened to the maximum angle (when a sound has been heard), the panel can be fixed.



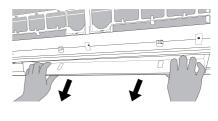
(2)Use screwdriver to remove 3 black screws on the upper side of the air-outlet frame. After that, put the screws into the storage box of screw.



③Open the screw cover at the lower | ④Pull the air-outlet frame outwards side of the air-outlet frame and then use screwdriver to remove 2 black screws.



according to the diagram as below and then remove it.



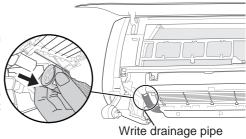
(5) Immerse the cloth into the warm water (less than 45°C), wring it out and then use it to wipe the dirty part, and then dry it.

# Bottom case and parts clean

#### 1.Pull out the drainage pipe

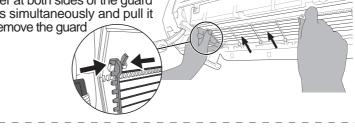
Press the beige locking spring at both ends of white drainage pipe simultaneously, and then pull the drainage pipe backwards.

Caution: There may be residual water drop in the drainage pipe. Please make the outlet of drainage pipe face upwards when then drainage pipe is removed.



#### 2.Remove the guard net

Press spring fastener at both sides of the guard net with both hands simultaneously and pull it upwards,and then remove the guard net.

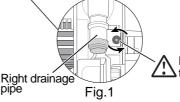


# Blade node

Lock status Unlock status Fig.2

#### 3.Remove blade

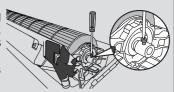
- ①Rotate the blade slightly and the find the silver screw at the right side of the blade. Use the screwdriver to loose the silver screw for 2-3 circles slowly in an anticlockwise direction. (as shown in fig.1)
- ②Until the blade can slide to the left side to unlock status (as shown in fig.2).



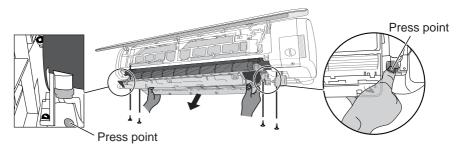
Note: Do not twist off the silver screws.

# A Caution

If the screw is removed carelessly when disassembling the blade, put the blade sub-assy on the ground flatly, rotate the screw into the axle sleeve of blade (2-3 circles clockwise), fix the blade sub-assy at the indoor unit and then fix the screw at the motor shaft. Tighten the screws as shown in the right figure (2-3 circles clockwise).



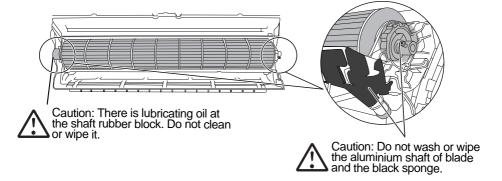
- ③Remove 4 black screws at both sides used for fixing the bottom case.
- ④ Press the appointed positions at both sides with both thumbs (as shown in below figure), hold the bottom case with other four fingers and then lift it upwards, and then remove the bottom case of the air conditioner.





When user has remove the bottom case, do not touch the evaporator to prevent scratching the fingers.

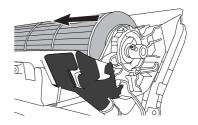
⑤Immerse the cloth into water (below 45°C), wring it out and then wipe the dirty position of the unit. After that, dry the cloth.



#### Indoor unit installation

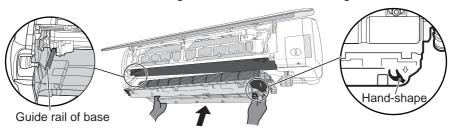
# **⚠** Caution

Before reinstall the bottom case when it has been cleaned, please check whether the blade has been pushed to the left side.



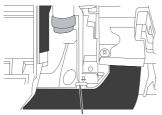
## 1 Install bottom case

Hold the position with " under the bottom case, push it upwards parallel along the guide rail of base and then check whether the both ends of bottom case is set into the tail of the guide rail of base for ensuring the installation.



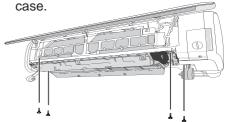
## **?** Fix the bottom case

①Check whether the guide rail of bottom case is installed at the blocking position of base.



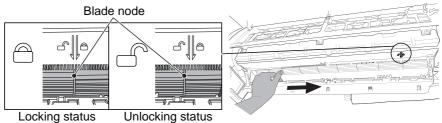
Blocking position

When the bottom case is assembled, take 4 screws from the storage box of screw at the middle of the front case and then use the screwdriver to fix these 4 screws at the bottom



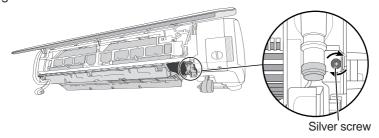
## ?Pull blade

Hold the blade node to pull it to the right side until to the locking status.



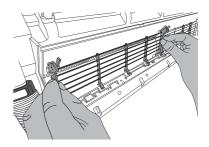
## ▲ Tighten silver screw

Please make sure the blade is locked and then the silver screws of blade can be tightened clockwise.



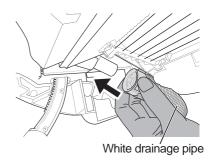
## 5 Install guard net

Hold the guard net with both hands and then assemble the guard net according to the following figure.



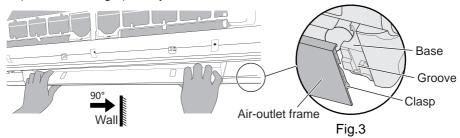
# 6 Install drainage pipe

Hold the joint of white drainage pipe with hand, install the drainage pipe to the direction of drainage mouth until you have head a sound.



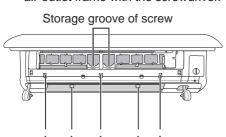
#### 7Install air-outlet frame

Insert the clasp at the back side of the air-outlet frame into the groove of the base (as shown in fig.3) until you have heard a sound.

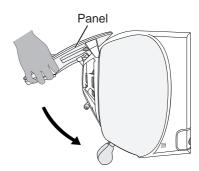


## RTighten screws of air-outlet frame

①Take out 5 screws from the storage groove of screw and then fix the air-outlet frame with the screwdriver.

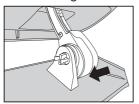


2 Close the panel.

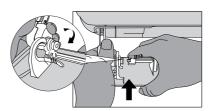


## **Q** Install guide louver

①Hold the guide louver with the left hand, hold the connection rod with the right hand and then install the "cross groove" at the right side of the guide louver at the "cross clasp" of the connecting rod.

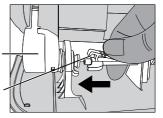


②Hold the left side connection rod with left hand, hold the air louver with the right hand and then assemble the guide louver according to the direction as shown by the figure.

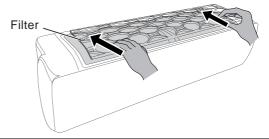


③Press the clasps of swing blade and pull it to the left side and then connect it with the swing motor.
Swing motor.

Clasp of swing blade



10 Install filter

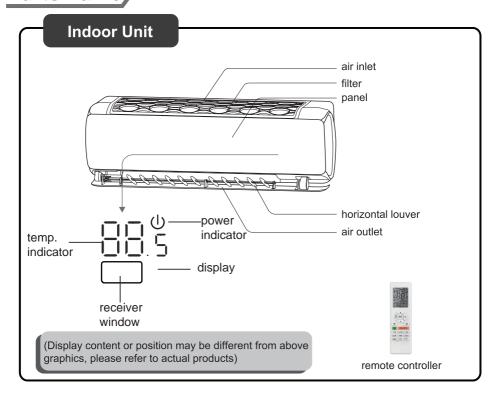




#### Caution

- Maintenance should be conducted by the professional person.
- Please make sure all disassembled screws are fixed well.
- After being energized, if the indoor unit cannot work normally, please check the unit: ①Whether the guide louver is assembled well; ②whether the air-outlet frame is assembled well; ③whether the blade is tightened according to the requirement; ④Whether the air inlet is blocked by foreign objects.

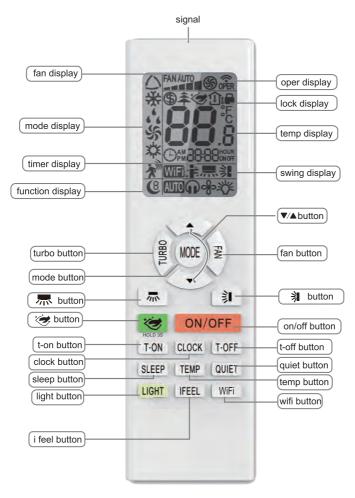
## Parts name



#### **Buttons on remote controller**

#### Note:

- This is a general use remote controller, it could be used for the air conditioners with multifunction; For some function, which the model doesn't have, if press the corresponding button on the remote controller that the unit will keep the original running status.
- After putting through the power, the air conditioner will give out a sound.
   Operation indicator " U" is ON (red indicator, the colour is different for different models). After that, you can operate the air conditioner by using remote controller.
- Under on status, pressing the button on the remote controller, the signal icon "
   on the display of remote controller will blink once and the air conditioner will give
   out a "di" sound, which means the signal has been sent to the air conditioner.



ON/OFF	Press this button to turn on the unit. Press this button again to turn off the unit.
FAN	Press this button can select fan speed,it can be selected circularly as below:  FAN AUTO FAN
▼/▲ BUTTON	<ul> <li>Press "▲" or "▼" button once increase or decrease set temperature 0.5 °C.</li> <li>Holding "▲" or "▼" button, 2s later, set temperature on remote controller will change quickly. On releasing button after setting is finished, temperature indicator on indoor unit will change accordingly.</li> </ul>
MODE	Press this button to select your required operation mode.  AUTO COOL DRY FAN HEAT*  AUTO STATE OF THE PROPERTY
<b>≱</b> I BUTTON	Press this button can select up & down swing angle. Fan blow angle can be selected circularly as below:
LIGHT	Press this button to turn off display light on indoor unit. "పోర్డ్" icon on remote controller disappears. Press this button again to turn on display light. "పోర్డ్" icon is displayed.

	Proce this button can calcut left & right awing angle. For blow angle
	Press this button can select left & right swing angle. Fan blow angle can be selected circularly as below:
₹ BUTTON	no display (stops at current position)
	<ul> <li>Press this button continuously more than 2s, the main unit will swing back an forth from left to right, and then loosen the button, the unit will stop swinging and present position of guide louver will be kept immediately.</li> <li>Under swing left and right mode, when the status is switched from</li> </ul>
	off to ₹, if press this button again 2s later, ₹ status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequence stated above.  • This function is only available for some model.
TURBO	Under COOL or HEAT mode, press this button to turn to quick COOL or quick HEAT mode. "\$\mathbb{S}" icon is displayed on remote controller. Press this button again to exit turbo function and "\$\mathbb{S}" icon will disappear.`
TONDO	<ul> <li>If start this function, the unit will run at super-high fan speed to cool or heat quickly so that the ambient temp. approaches the preset temp. as soon as possible.</li> </ul>
QUIET	Press this button, the Quiet status is under the Auto Quiet mode (display " Auto (n " ) and Quiet mode (display " (n " ) and Quiet OFF (there is no signal displayed), after powered on, the Quiet OFF is defaulted.
SLEEP	<ul> <li>Press this button, can select Sleep 1 ( 1), Sleep 2 ( 2), Sleep 3 ( 3) and cancelthe Sleep, circulate between these, after electrified, Sleep Cancel is defaulted.</li> <li>Sleep 1 is Sleep mode 1, in Cool modes; sleep status after run for one hour, the main unit setting temperature will increase 1 C, two hours, setting temperature increased 2, then the unit will run at this setting temperature; In Heat mode: sleep status after run for one hour, the setting temperature will decrease 1 C, two hours, setting temperature will decrease 1 C, two hours, setting temperature will decrease 2 C, then the unit will run at this setting temperature.</li> </ul>
	<ul> <li>Sleep 2 is sleep mode 2, that is air conditioner will run according to the presetting a group of sleep temperature curve.</li> <li>Sleep 3-the sleep curve setting under Sleep mode by DIY;</li> </ul>

SLEEP	(1)Under Sleep 3 mode, press "Turbo" button for a long time, remote controller enters into user individuation sleep setting status, at this time, the time of remote controller will display "1hour", the setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink (The first entering will display according to the initial curve setting value of original factory); (2)Adjust "▲" and "▼" button, could change the corresponding setting temperature, after adjusted, press "Turbo" button for confirmation; (3)At this time, 1hour will be automatically increased at the timer position on the remote controller, (that are "2hours" or "3hours" or "8hours"), the place of setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink; (4) Repeat the above step (2)~(3) operation, until 8 hours temperature setting finished, sleep,curve setting finished, at this time, the remote controller will resume the original timer display; temperature display will resume to original setting temperature.
	<ul> <li>Sleep3- the sleep curve setting under Sleep mode by DIY could be inquired:         The user could accord to sleep curve setting method to inquire the presetting sleep curve, enter into user individuation sleep setting status, but do not change the temperature, press "Turbo" button directly for confirmation. Note: In the above presetting or enquiry procedure, if continuously within 10s, there is no button pressed, the sleep curve setting within 10s, there is no button pressed, the sleep curve setting status will be automatically quit and resume to display the original displaying. In the presetting or enquiry procedure, press "ON/OFF" button, "Mode" button, "Sleep" button, the sleep curve setting or enquiry status will quit similarly.     </li> </ul>
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 " 1 ", displays the ambient temperature, 3s later or within 3s, it receives other remote controller signal that will return to display the setting temperature.
I FEEL	Press this button to turn on I FEEL function. " i icon is displayed on remote controller. The unit automatically adjust temperature according to the sensed temperature. Press this button again to cancel I FEEL function. " icon will disappear.  Please put the remote controller near user when this function is set. Do not put the remote controller near the object of high temperature or low temperature in order to avoid detecting inaccurate ambient temperature. When I FEEL function is turned on, the remote controller should be put within the area where indoor unit can receive the signal sent by the remote controller.

T-ON/T-OFF	<ul> <li>T-ON button "T-ON" button can set the time for timer on. After pressing this button, "</li></ul>
WiFi	Press " WiFi " button to turn on or turn off WiFi function. When WiFi function is turned on, the " WiFi " icon will be displayed on remote controller; Under status of remote controller off, press " MODE " and " WiFi " buttons simultaneously for 1s, WiFi module will restore to factory default setting.
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	• Under unit off, press this button and hold for 3s to open the air guide louver, icon is displayed in indoor unit. When air guide louver is open to the maximum, and icon was disappear, you could clean the unit. Cancel this function: Press and hold for 3s to reset the air guide louver. If you press the power button directly, the unit will be turned on.
CLOCK	Press CLOCK, ⊕ blinking. Within 5 seconds, pressing ▲ or ▼ button adjusts the present time. Holding down either button above 2 seconds increases or decreases the time by 1 minute every 0.5 second and then by 10 minutes every 0.5 second. During blinking after setting, press CLOCK again to confirm the setting and then ⊕ will be constantly displayed.

# Function introduction for combination buttons

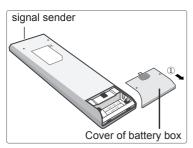
	Under cooling mode, press "TEMP" and "CLOCK" buttons simultaneously to start up or turn off energy-saving function. When energy-saving function is started up, "SE" will be shown on remote controller, and air conditioner will adjust the set temperature automatically according to ex-factory setting to reach to the best energy-saving effect. Press "TEMP" and "CLOCK" buttons simultaneously again to exit energy-saving function.
Energy-saving function	<ul> <li>Note:</li> <li>Under energy-saving function, fan speed is defaulted at auto speed and it can't be adjusted.</li> <li>Under energy-saving function, set temperature can't be adjusted. Press "TURBO" button and the remote controller won't send signal.</li> <li>Sleep function and energy-saving function can't operate at the same time. If energy-saving function has been set under cooling mode, press sleep button will cancel energy-saving function. If sleep function has been set under cooling mode, start up the energy-saving function will cancel sleep function.</li> </ul>
Child lock function	Press "+" and "-" buttons simultaneously can turn on or turn off child lock function. When child lock function is started up, " i con will be displayed on remote controller. If operate remote controller, " i con will flash three times, while remote controller won't send signal.
Switchover function for temperature display	After turning off the unit by remote controller, press "▼" button and "MODE" button simultaneously to switch between ℃ and °F .
Cancel filter- clean reminding	If the dual-8 nixie tube is flashing to display, it reminds the user to clean the filter. Press MODE and TEMP buttons simultaneously to cancel this reminding.
Auto clean function	Under unit off status, hold "MODE" and "FAN" buttons simultaneously for 5s to turn on or turn off the internal clean function. When the internal clean function is turned on, indoor unit displays "CL". (This function is applicable for some models)

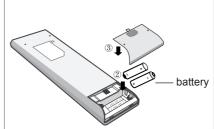
## Replacement of batteries in remote controller

#### NOTICE

- During operation, point the remote control signal sender at the receiving window on indoor unit.
- The distance between signal sender and receiving window should be no more than 8m, and there should be no obstacles between them.
- Signal may be interfered easily in the room where there is fluorescent lamp or wireless telephone; remote controller should be close to indoor unit during operation.
- Replace new batteries of the same model when replacement is required.
- When you don't use remote controller for a long time, please take out the batteries.
- If the display on remote controller is fuzzy or there's no display, please replace batteries.
- 1. Press the back side of remote controller marked with "

  ", as shown in the fig, and then push out the cover of battery box along the arrow direction.
- 2. Replace two 7# (AAA 1.5V) dry batteries, and make sure the position of "+" polar and "-" polar are correct.
- 3. Reinstall the cover of battery box.





# Malfunction analysis

#### **General phenomenon analysis**

Please check below items before asking for maintenance. If the malfunction still can't be eliminated, please contact local dealer or qualified professionals.

Phenomenon	Check items	Solution
	<ul> <li>Whether it's interfered severely (such as static electricity, stable voltage)?</li> </ul>	
	<ul> <li>Whether remote controller is within the signal receiving range?</li> </ul>	Signal receiving range is 8m.
Indoor unit	<ul><li>Whether there are obstacles?</li></ul>	Remove obstacles.
can't receive remote controller's	<ul> <li>Whether remote controller is pointing at the receiving window?</li> </ul>	<ul> <li>Select proper angle and point the remote controller at the re- ceiving window on indoor unit.</li> </ul>
signal or remote controller has no	<ul> <li>Is sensitivity of remote contro- ller low; fuzzy display and no display?</li> </ul>	<ul> <li>Check the batteries. If the power of batteries is too low, please replace them.</li> </ul>
action.	<ul> <li>No display when operating remote controller?</li> </ul>	<ul> <li>Check whether remote cont- roller appears to be damaged.</li> <li>If yes, replace it.</li> </ul>
	<ul><li>Fluorescent lamp in room?</li></ul>	Take the remote controller close to indoor unit.
	• Fluorescent famp in room:	Turn off the fluorescent lamp and then try it again.
	<ul> <li>Air inlet or air outlet of indoor unit is blocked?</li> </ul>	Eliminate obstacles.
No air emitted from indoor unit	<ul> <li>Under heating mode, indoor temperature is reached to set temperature?</li> </ul>	<ul> <li>After reaching to set temper- ature, indoor unit will stop bl- owing out air.</li> </ul>
	<ul><li>Heating mode is turned on just now?</li></ul>	<ul> <li>In order to prevent blowing out cold air, indoor unit will be started after delaying for sev- eral minutes, which is a nor- mal phenomenon.</li> </ul>

# Malfunction analysis

Phenomenon	Check items	Solution
	Power failure?	Wait until power recovery.
	• Is plug loose?	Reinsert the plug.
	<ul><li>Air switch trips off or fuse is burnt out?</li></ul>	<ul> <li>Ask professional to replace air switch or fuse.</li> </ul>
Air condit- ioner can't	<ul><li>Wiring has malfunction?</li></ul>	• Ask professional to replace it.
operate	<ul> <li>Unit has restarted immediately after stopping operation?</li> </ul>	Wait for 3min, and then turn on the unit again.
	<ul> <li>Whether the function setting for remote controller is correct?</li> </ul>	Reset the function.
Mist is em- itted from indoor unit's air outlet	Indoor temperature and humidity is high?	Because indoor air is cooled rapidly. After a while, indoor temperature and humidity will be decrease and mist will disappear.
Set temper- ature can't be adjusted	<ul> <li>Your required temperature exceeds the set temperature range?</li> </ul>	<ul> <li>Set temperature range: 16℃ ~30℃.</li> <li>Set temperature range in HEAT mode: 8℃ ~30℃.</li> </ul>
	Voltage is too low?	Wait until the voltage resumes normal.
Cooling	• Filter is dirty?	Clean the filter.
(heating) effect is not good.	<ul><li>Set temperature is in proper range?</li></ul>	Adjust temperature to proper range.
	Door and window are open?	Close door and window.
Odours are emitted	Whether there's odour source, such as furniture and cigarette, etc.	<ul><li> Eliminate the odour source.</li><li> Clean the filter.</li></ul>

# Malfunction analysis/

Phenomenon	Check items	Solution
Air conditioner operates normally suddenly	Whether there's interference, such as thunder, wireless devices, etc.	Disconnect power, put back power, and then turn on the unit again.
"Water flowing" noise	Air conditioner is turned on or turned off just now?	• The noise is the sound of refrigerant flowing inside the unit, which is a normal phenomenon.
Cracking noise	Air conditioner is turned on or turned off just now?	This is the sound of friction caused by expansion and/or contraction of panel or other parts due to the change of temperature.

## Malfunction analysis

#### **Error Code**

 When air conditioner status is abnormal, temperature indicator on indoor unit will blink to display corresponding error code. Please refer to below list for identification of error code.

Error code — **E5** 

Above indicator diagram is only for reference. Please refer to actual product for the actual indicator and position.

Error code	Troubleshooting
E1,E5,E8 H3,H6	It can be eliminated after restarting the unit. If not, please contact qualified professionals for service.
C5,E6	
F3,F4 F0,F1,F2	Please contact qualified professionals for service.

Note: If there're other error codes, please contact qualified professionals for service.

# **M** WARNING

- When below phenomenon occurs, please turn off air conditioner and disconnect power immediately, and then contact the dealer or qualified professionals for service.
  - Power cord is overheating or damaged.
  - There's abnormal sound during operation.
  - Air switch trips off frequently.
  - Air conditioner gives off burning smell.
  - Indoor unit is leaking.
- Do not repair or refit the air conditioner by yourself.
- If the air conditioner operates under abnormal conditions, it may cause malfunction, electric shock or fire hazard.

#### NOTE CONCERNING PROTECTION OF ENVIRONMENT



This product must not be disposed of via normal household waste after its service life, but must be taken to a collection station for the recycling of electrical and electronic devices. The symbol on the product, the operating instructions or the packaging indicate such disposal procedures. The materials are recyclable in accordance with their respective symbols. By means of re-use, material recycling or any other form of recycling old appliances you are making an important contribution to the protection of our environment. Please ask your local council where your nearest disposal station is located.

#### INFORMATION CONCERNING USED REFRIGERANT MEDIUM

This unit is containing fluorinated gases included in the Kyoto protocol. The maintenance and the liquidation must be carried out by qualified personnel.

Type of refrigerant: R32 The quantity of the refrigerant: please see the unit label. The value GWP: 675 (1 kg R32 = 0,675 t  $CO_2$  eq) GWP = Global Warming Potential



Appliance filled with flammable gas R32.

In case of quality problem or other please contact your local supplier or authorized service center. Emergency number: 112

#### **PRODUCER**

GREE ELECTRIC APPLIANCES, INC. OF ZHUHAI West Jinji Rd, Qianshan, 519070 Zhuhai China

#### **REPRESENTATIVE**

GREE Czech & Slovak s.r.o. Kośuličova 778/39 619 00 Brno Czech Republic

#### **TECHNICAL SUPPORT**

GREE Czech & Slovak s.r.o. Košuličova 778/39 619 00 Brno Czech Republic



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