



"Original instructions"

IMPORTANT NOTE:

Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

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User Notice

- ◆ The total capacity of the indoor units which runs at the same time can not exceed 150% of that of the outdoor units; otherwise, the cooling (heating) effect of each indoor unit would be poor.
- Switch the main power on 8 hours before start the unit, helpful for a successful startup.
- ◆ It is a normal phenomenon that the indoor unit fan will still run for 20~70 seconds after the indoor unit receives the "stop" signal so as to make full use of after-heat for the next operation.
- ♦ When the running modes of the indoor and outdoor units conflict, it will be indicated on the display of the wired controller in five seconds and then the indoor unit will stop. In this case, they can back to the normal condition by harmonizing their running modes: the cooling mode is compatible with the dehumidifying mode and the fan mode can go with any other mode. If the supply power fails when the unit is running, then the indoor unit will send the "start" signal to the outdoor unit three minutes later after power recovery.
- ◆ During installation, the communication cable and the power cord must not be twisted together but instead separated with an interval of at least 2cm; otherwise the unit is likely to run abnormally.
- ◆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 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.
- ◆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.

- ◆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 appliance shall be installed in accordance with national wiring regulations.

Correct Disposal of this product

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.

Appliance shall be installed, operated and stored in a room with a floor area larger than Xm². (Please refer to table "a" in section of " Safety Operation of Inflammable Refrigerant" for Space X.)



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".

R32:675



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 Xm².(Please refer to table "a" in section of " Safety Operation of Inflammable Refrigerant" for Space X.)

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









1. Safety Precautions

Please read this manual carefully before use and operate correctly as instructed in this manual.

Please especially take notice of the following two symbols:

Warning! It indicates improper operation which will lead to human casualty or sever injury.

Caution! It indicates improper operation which will lead to injury or property damage.

⚠ Warning!

- ◆The installation should be committed to the appointed service center; otherwise it all cause water leakage, electric shock or fire etc.
- ◆Please install the unit where is strong enough to withstand the weight of the unit; otherwise, the unit would fall down and cause injury or death.
- ◆The drain pipe should be installed as instructed in the manual to guarantee the proper drainage; meanwhile it should be insulated to prevent condensing; otherwise the improper installation would cause water leakage and then wet the household wares in the room.
 - ◆ Do not use or place any inflammable or explosive substance near the unit.
- ◆Under the occurrence of an error (like burning smell etc.), please cut off the main power supply of the unit.
 - ◆Keep good ventilation in the room to avoid oxygen deficit.
 - ♦ Never insert your finger or any other object into the air outlet/inlet grille.
- ◆Please take notice of the supporting frame of the unit to see if it is damaged over the long time period of use.
- ♦ Never refit the unit and contact the sales agent or the professional installation personnel for the repair or relocation of the unit.

An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.

Caution!

◆ Before installation, please check if the power supply corresponds with the

requirement specified on the nameplate and also check its security.

- ◆Before use, please check if the piping and wiring are correct to avoid water leakage, refrigerant leakage, electric shock, fire etc.
- ◆The main power supply must be earthed to avoid the hazard of electric shock and never connect this earth wire to the gas pipe, running water pipe, lightening rod or phone cable's earth lead.
- ◆Turn off the unit after it runs at least five minutes; otherwise its service life will be shortened.
 - ◆Do not allow children operate this unit.
 - ◆Do not operate this unit with wet hands.
- ◆Cut off the main power supply prior to the cleaning of the unit or the replacement of the air filter.
- ♦When the unit is not to be used for a long time, please cut off the main power supply of the unit.
 - ◆ Do not expose the unit to the moist or corrosive circumstances.
 - ◆ After the electric installation, please take an electric leakage test.

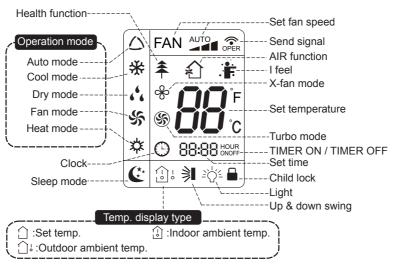
2 Operation of remote controller

2.1 Buttons on remote controller



- 1 ON/OFF button
- 2 MODE button
- 3 +/- button
- 4 FAN button
- 5 I FEEL button
- 6 ♣ button
- 🕜 🏠 button
- 8 🔰 button
- 9 CLOCK button
- TIMER ON/TIMER OFF button
- X-FAN button
- Note: X-FAN is the same with BLOW
- 12 TEMP button
- 13 TURBO button
- SLEEP button
- 15 LIGHT button

2.2 Introduction for icons on display screen



2.3 Introduction for 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. After that, you can operate the air conditioner by using remote controller.

1 ON/OFF button

Press this button can turn on or turn off the air conditioner. After turning on the air conditioner, operation indicator "()"on indoor unit's display is ON (green indicator. The colour is different for different models), and indoor unit will give out a sound.

2 MODE button

Press this button to select your required operation mode.



- After selecting auto mode, air conditioner will operate automatically according to ambient temperature. Set temperature can't be adjusted and will not be displayed as well. Press "FAN" button can adjust fan speed. Press " \$\frac{1}{3}\textbf{\textit{ }}\text{" button can adjust fan blowing angle.
- When selecting dry mode, the air conditioner operates at low speed under dry mode. Under dry mode, fan speed can't be adjusted. Press " ⇒ " button to adjust fan blowing angle.

Note:

- For preventing cold air, after starting up heating mode, indoor unit will delay 1~5 minutes to blow air (actual delay time is depend on indoor ambient temperature).
- Set temperature range from remote controller: 16~30°C; Fan speed: auto, low speed, medium speed, high speed.

3 +/- button

- Press "+" or "-" button once increase or decrease set temperature 1°C.
 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. (Temperature can't be adjusted under auto mode)
- When setting TIMER ON, TIMER OFF or CLOCK, press "+" or "-" button to adjust time. (Refer to CLOCK, TIMER ON, TIMER OFF buttons) When setting TIMER ON, TIMER OFF or CLOCK, press "+" or "-" button to adjust time. (Refer to CLOCK, TIMER ON, TIMER OFF buttons)

4 FAN button

Pressing this button can set fan speed circularly as: auto (AUTO), low(A), medium (A), high (A).



Note:

- Under AUTO Speed,IDU fan motor will adjust the fan speed (high, medium or low speed) according to ambient temperature.
- Fan speed under dry mode is low speed.

5 I FEEL button

Press this button to start I FEEL function and ": "will be displayed on the remote controller. After this function is set, the remote controller will send the detected ambient temperature to the controller and the unit will automatically adjust the indoor temperature according to the detected temperature. Press this button again to close I FEEL function and ": "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.

6 ♣ button

Press this button to set HEALTH function ON or OFF. After the unit is turned on, it defaults to HEALTH function ON.

This function is applicable to partial of models.

7 ♠ button

Press this button to select AIR function ON or OFF. (Only available for some models)

8 🔋 button

Press this button can select up&down swing angle. Fan blow angle can be selected circularly as below:

- When selecting " > ", air conditioner is blowing fan automatically. Horizontal louver will automatically swing up & down at maximum angle.
- When selecting " ⇒ , ⇒ , air conditioner is blowing fan at fixed angle. Horizontal louver will send air at the fixed angle.
- Hold "¾"button above 2s to set your required swing angle. When reaching your required angle, release the button.

Note:

9 CLOCK button

Press this button to set clock time. "O" icon on remote controller will blink. Press "+" or "-" button within 5s to set clock time. Each pressing of "+" or "-" button, clock time will increase or decrease 1 minute. If hold "+" or "-" button, 2s later, time will change quickly. Release this button when reaching your required time. Press "CLOCK" button to confirm the time. "O" icon stops blinking.

Note:

- Clock time adopts 24-hour mode.
- The interval between two operation can't exceeds 5s. Otherwise, remote controller will guit setting status. Operation for TIMER ON/TIMER OFF is the same.

10 TIMER ON / TIMER OFF button

TIMER ON button

"TIMER ON" button can set the time for timer on. After pressing this button, "O" icon disappears and the word "ON" on remote controller blinks. Press "+" or "-" button to adjust TIMER ON setting. After each pressing "+" or "-" button, TIMER ON setting will increase or decrease 1min. Hold "+" or "-" button, 2s later, the time will change quickly until reaching your required time.

Press "TIMER ON" to confirm it. The word "ON" will stop blinking. "O" icon

resumes displaying. Cancel TIMER ON: Under the condition that TIMER ON is

started up, press "TIMER ON" button to cancel it.

TIMER OFF button

"TIMER OFF" button can set the time for timer off. After pressing this button," "icon disappears and the word "OFF" on remote controller blinks. Press "+" or "-" button to adjust TIMER OFF setting. After each pressing "+" or "-" button, TIMER OFF setting will increase or decrease 1min. Hold "+" or "-" button, 2s later, the time will change quickly until reaching your required time.

Press "TIMER OFF" word "OFF" will stop blinking. "O" icon resumes displaying. Cancel TIMER OFF. Under the condition that TIMER OFF is started up, press "TIMER OFF" button to cancel it.

Note:

- Under on and off status, you can set TIMER OFF or TIMER ON simultaneously.
- Before setting TIMER ON or TIMER OFF, please adjust the clock time.
- After starting up TIMER ON or TIMER OFF, set the constant circulating valid.
 After that, air conditioner will be turned on or turned off according to setting time.
 ON/OFF button has no effect on setting. If you don't need this function, please use remote controller to cancel it.

11 X-FAN button

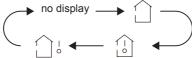
Press this button under cool and dry mode to start up x-fan function, and "%" icon on remote controller will be displayed. Press this button again to cancel x-fan function, and "%"icon will disappear.

Note:

- When x-fan function is on, if the air conditioner is turned off, indoor fan will still operate at low speed for a while to blow the residual water inside the air duct.
- During x-fan operation, press X-FAN button to turn off x-fan function. Indoor fan will stop operation immediately.

12 TEMP button

By pressing this button, you can see indoor set temperature, indoor ambient temperature or outdoor ambient temperature on indoor unit's display. The setting on remote controlleris selected circularly as below:



- When selecting " \(\bigcap \)" or no display with remote controller, temperature indicator on indoor unit displays set temperature.
- When selecting " with remote controller, temperature indicator on indoor unit displays indoor ambient temperature.

• When selecting " with remote controller, temperature indicator on indoor unit displays outdoor ambient temperature.

Note:

- It's defaulted to display set temperature when turning on the unit. There is no display in the remote controller.
- Only for the models whose indoor unit has dual-8 display.
- When selecting displaying of indoor or outdoor ambient temperature, indoor temperature indicator displays corresponding temperature and automatically turn to display set temperature after three or five seconds.

13 TURBO button

Under COOL or HEAT mode, press this button to turn to quick COOL or quick HEAT mode. "\$\mathbb{G}\$ " icon is displayed on remote controller. Press this button again to exit turbo function and "\$\mathbb{G}\$" icon will disappear.

14 SLEEP button

Under COOL, HEAT mode, press this button to start up sleep function. " icon is displayed on remote controller. Press this button again to cancel sleep function and " icon will disappear.

15 LIGHT button

2.4 Function introduction for combination buttons

Child lock function

Press "+" and "-" simultaneously to turn on or turn off child lock function. When child lock function is on, " icon is displayed on remote controller. If you operate the remote controller, the " icon will blink three times without sending signal to the unit.

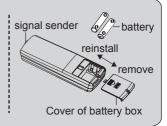
Temperature display switchover function

2.5 Operation guide

- **1.** After putting through the power, press "ON/OFF" button on remote controller to turn on the air conditioner.
- **2.** Press "MODE" button to select your required mode: AUTO, COOL, DRY, FAN, HEAT.
- **3.** Press "+" or "-" button to set your required temperature. (Temperature can't be adjusted under auto mode).
- 4. Press "FAN" button to set your required fan speed: auto, low, medium and high speed.
- **5.** Press " **३** " button to select fan blowing angle.

3.6 Replacement of batteries in remote controller

- 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.



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.

3 Error Analysis

If your conditioning unit runs abnormally, please check the following items before contact the maintenance serviceman.

Table 9

Errors	Possible Causes		
	There is no power supply.		
Failed startup	The breaker opens owing to electrical leakage.		
	Voltage is too low.		
Stop after a short while of operation	The air inlet/outlet of the indoor/outdoor unit is clogged.		
Poor cooling effect	The air filter screen is too dirty or clogged.		
	There are too much heat sources or people in the room.		
	The door or window is open.		
	There are obstacles at the air inlet/outlet.		
	The set temperature is too high.		
	The air filter screen is too dirty or clogged.		
poor heating effect	The door or window is not closed fully.		
	The set temperature is too low.		
	If the remote controller crashes even if the batteries have been		
	replaced, please open the back cover of it and press the button "ACL"		
	to let it back to the normal condition.		
uncontrollable controller	Is the remoter controller in the signal receiving range? Or is it		
	blocked by obstacles?		
	For the duct type unit, operate the remote controller pointing at the		
	wired controller.		
	Check if the voltage of the batteries of the wired controller is enough;		
	or change them.		

Note:

If the air conditioner still runs abnormally after the above check and handling, please contact the maintenance serviceman at the local appointed service center.

4 Maintenance

CAUTION! Take notice of the following items before clean your air conditioning unit.

- ①. Cut off the main power supply before contact any wiring device.
- ②. Only when the unit is turn off and the main power supply is cut off, can the unit be cleaned; otherwise it would cause an electric shock or injury.
 - ③. Do not wash the unit with water; or it may cause an electric shock.
- ④. During the cleaning, remember to use the stable standing platform Daily Maintenance.
 - a. How to clean the filter
- 1) Never dismantle the air filer except for cleaning; otherwise it may cause some error.
- 2) When the air conditioning unit is used under the environment with heavy dust, the air filter should be cleaned often (generally once every two weeks).
 - b. Maintenance before seasonal use
 - 1) Check if the air inlet/outlet of the indoor unit is clogged.
 - 2) Check if the earthing is in good condition.
 - 3) Check if the wiring is in good condition.
 - Check if the indicating lamp of the wired controller blinks after it is energized.

Note: If there is something abnormal, please consult the after-sales serviceman.

- Maintenance after seasonal use
- 1) Let the air conditioning unit run for half day under the fan mode to dry the inside of the unit.
- If the unit is not to be used for a long time, please shut off the main power supply for energy conservation, at the same time, the power indicating lamp of the wired control will go off.

5 Safety operation of flammable refrigerant Qualification requirement for installation and maintenance man

- All the work men who are engaging in the refrigeration system should bear the
 valid certification awarded by the authoritative organization and the qualification
 for dealing with the refrigeration system recognized by this industry. If it needs
 other technician to maintain and repair the appliance, they should be supervised
 by the person who bears the qualification for using the flammable refrigerant.
- It can only be repaired by the method suggested by the equipment's manufacturer.

Installation notes

- 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.

Charge amount (kg) ≤1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2 2.1 2.2 2.3 2.4 2.5 16.8 19.3 31 34.3 37.8 41.5 45.4 49.4 53.6 floor location 14.5 22 24.8 27.8 Minimum window mounted 5.2 6.1 7.9 8.9 10 11.2 12.4 13.6 15 16.3 17.8 19.3 room area(m2) wall mounted 1.9 2.1 2.4 2.8 3.1 3.4 3.8 4.2 4.6 5.5 1.6 6 ceiling mounted 1.1 1.3 1.4 1.6 1.8 2.1 2.3 2.6 2.8 3.1 3.4 3.7

table a - Minimum room area (m2)

Maintenance notes

- 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.

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 CO2 eg)

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**

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