



## inventor DR2VI Series Wall Mounted Unit Air Conditioning System User Manual

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**AIR CONDITIONING SYSTEMS  
WALL MOUNTED UNIT**





**MODELS:  
DR2VI-09WFI/DR2VO-09**



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## DR2VI Series Wall Mounted Unit Air Conditioning System

	Read the precautions in this manual carefully before operating the unit.
	This appliance is filled with R32.

Keep this manual where the user can easily find it.

### **WARNING:**

- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance must 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.
- Be aware that refrigerants may not contain an odour.
- The appliance must be installed, operated and stored in a room with a floor area larger than 3 m<sup>2</sup>.
- 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 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.
- The wiring method should be in line with the local wiring standard.
- All the cables shall have got the European authentication certificate. During installation, when the connecting cables break off, it must be assured that the grounding wire is the last one to be broken off. The explosion-proof breaker of the air conditioner should be all-pole switch. Distance between its two contacts should not be no less than 3mm. Such means for disconnection must be incorporated in the wiring.
- Make sure installation is done according to local wiring regulation by professional persons.
- Make sure ground connection is correct and reliable.
- A leakage explosion-proof breaker must be installed.
- Do not use a refrigerant other than the one indicated on the outdoor unit(R32) when installing, moving or

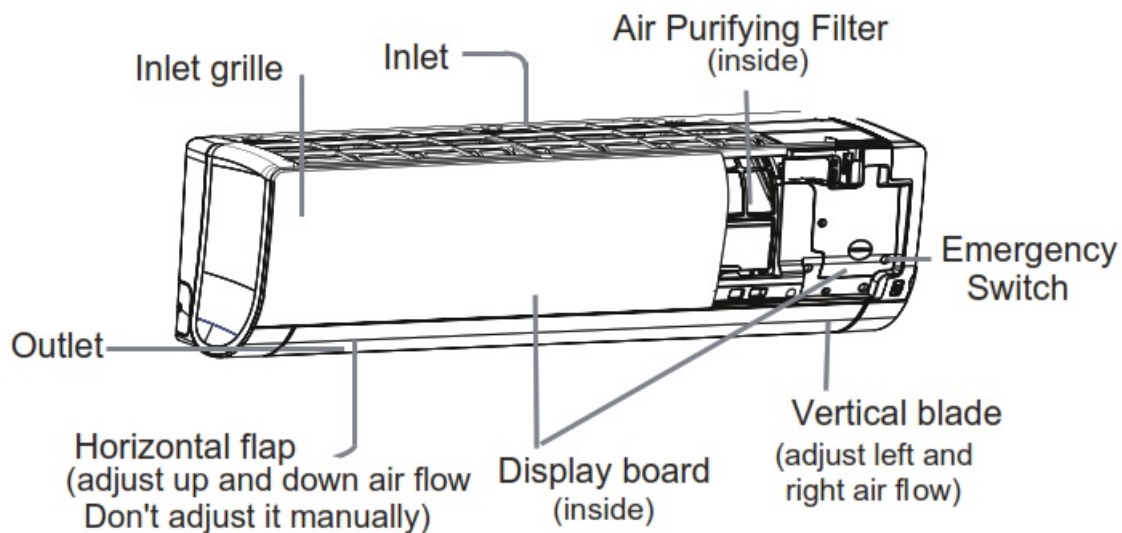
repairing. Using other refrigerants may cause trouble or damage to the unit, and personal injury.



Please read this operation manual before using the air conditioner.  
Keep this operation manual for future reference This appliance is filled with R32.

## Parts and Functions

### Indoor Unit



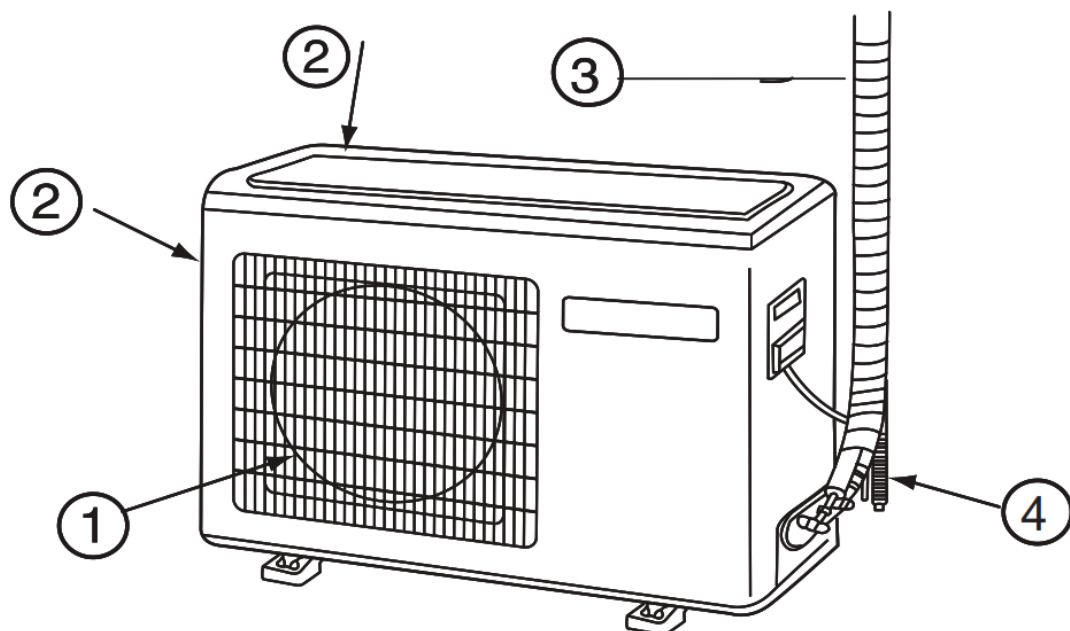
### Display board



1. Signal receiver hole
2. Ambient temp. display When receiving the remote control signal, display the set temperature.
3. COOL display
4. HEAT display
5. HEALTH display
6. DRY display

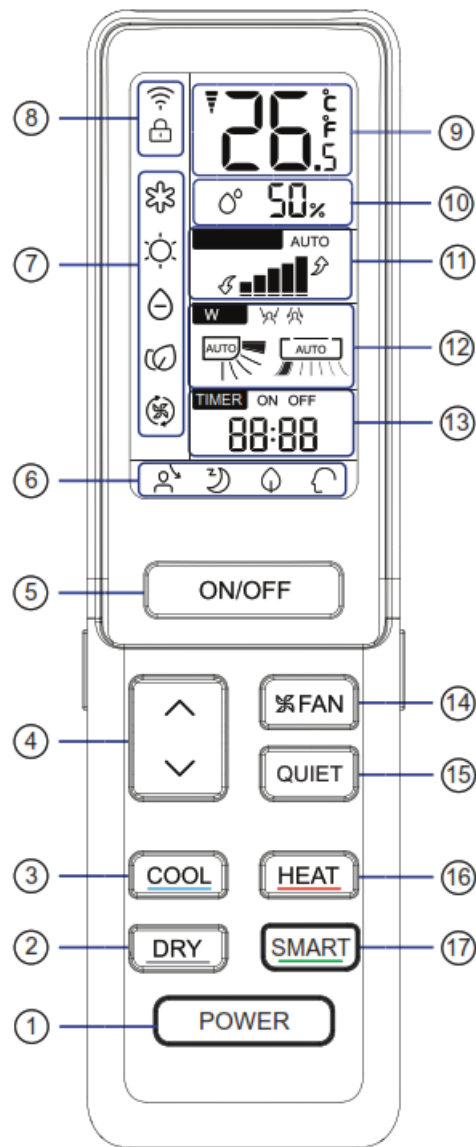
Actual inlet grille may vary from the one shown in the manual according to the product purchased

### Outdoor Unit



- 1. OUTLET
- 2. INLET
- 3. CONNECTING PIPING AND ELECTRICAL WIRING
- 4. DRAIN HOSE

**Remote controller**  
**Outer side of the controller**



1. POWER button
2. DRY button Used to set DRY operation.
3. COOL button Used to set COOL operation.
4. TEMP button used to change setting temperature
5. ON / OFF button
6. Display of each function status
7. Operation mode display
8. WIFI and CLOCK display
9. TEMP display
10. Humidity display
11. FAN SPEED display SWING display
12. Swing up/down display swing left/right display
13. TIMER ON display  
TIMER OFF display  
CLOCK display
14. FAN button
15. QUIET button
16. HEAT button

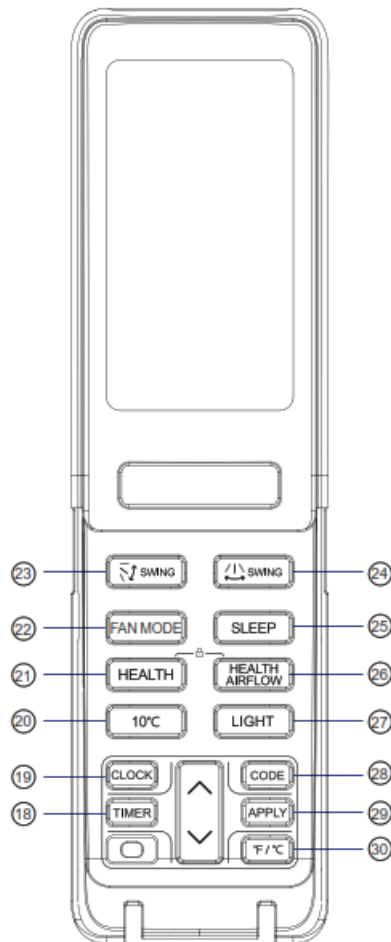
## 17. SMART button


Used to set SMART operation. (This function is unavailable on some models.)

NOTE:

- Humidity display is unavailable on some models
- If the model you buy has a WIFI function, press the “ ON/OFF button for 5s to emit the WIFI binding signal. Once in the binding mode, the APP will show how to bind.

## Operation



**Note:** Press “HEALTH”+“HEALTH AIRFLOW” simultaneously can set and cancel the “LOCK” function (  )

## 18. TIMER button

## 19. CLOCK button

## 20. 10 °C button special heating set function: 10 degree heating maintaining (valuable for RS)

## 21. HEALTH button

## 22. FAN MODE button

## 23. SWING up/down button

## 24. SWING left/right button

## 25. SLEEP button

## 26. HEALTH AIRFLOW button

## 27. LIGHT button

Control the lightening and extinguishing of the indoor LED display board.

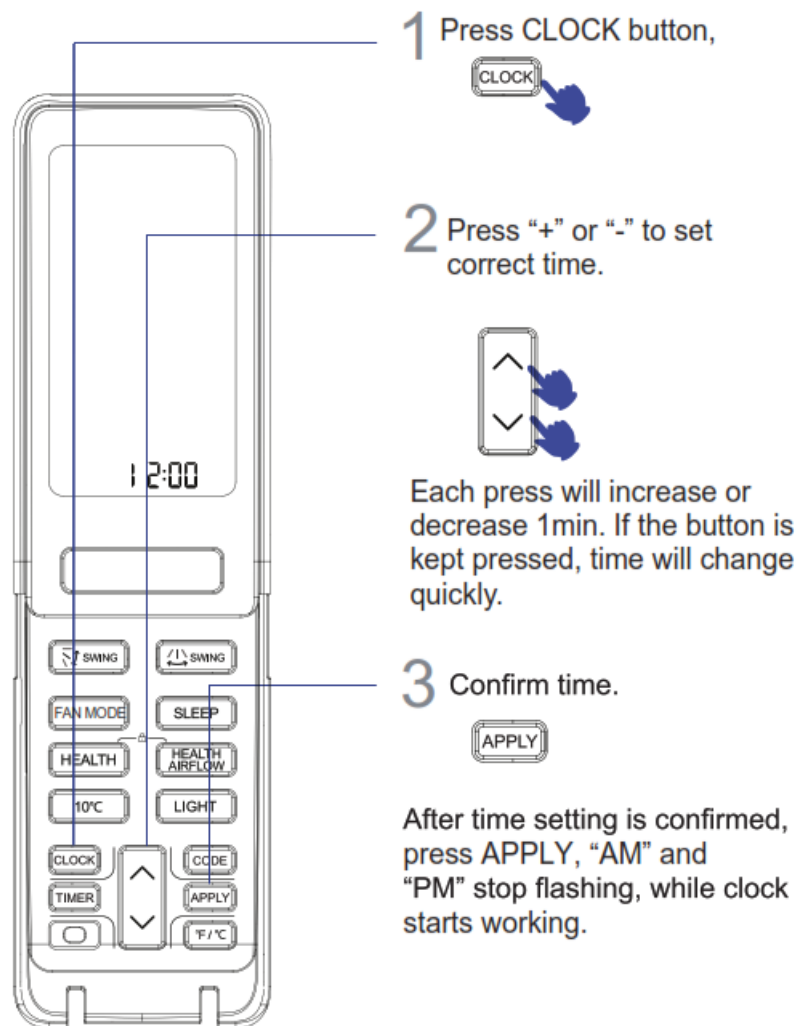
## 28. CODE button

A-b yard

29. APPLY button

30. °F/°C button

### Clock set



### Note:

The distance between the signal transmission head and the receiver hole should be up to 7m without obstacles. When electronic started type fluorescent lamp or change-over wireless telephone is installed in the in receiving the signals, so the distance to the indoor unit should be shorter.

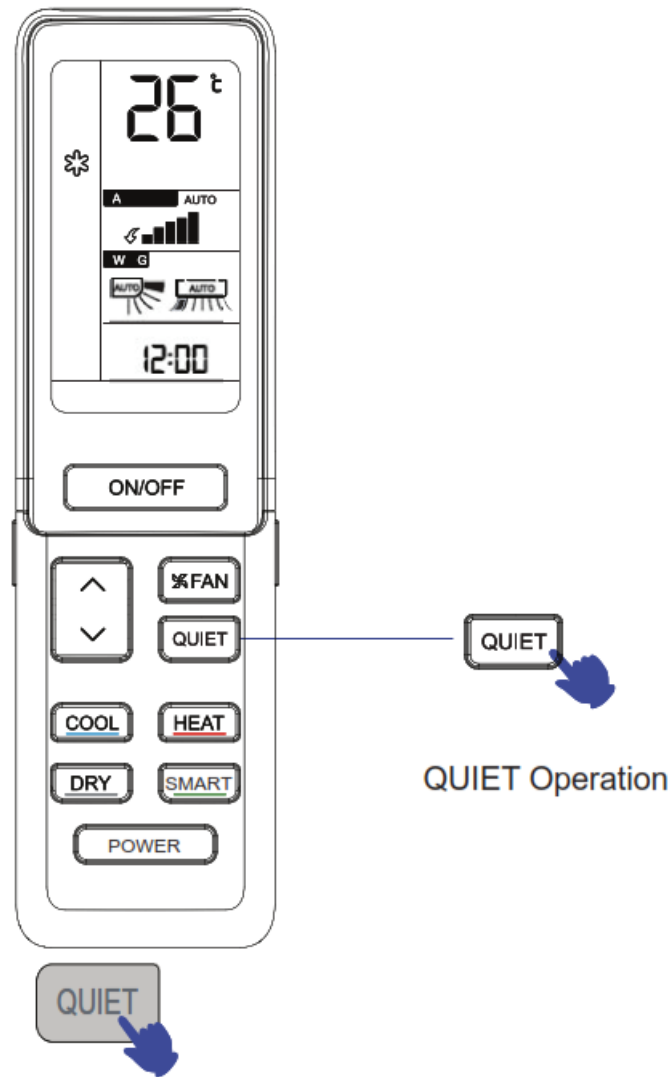
Full display or unclear display during operation indicates the batteries have been used up. Please change batteries.

If the remote controller can't run normally during operation, please remove the batteries and reload several minutes later


Hint:


Remove the batteries in case unit won't be in usage for a long period.

### QUIET Operation



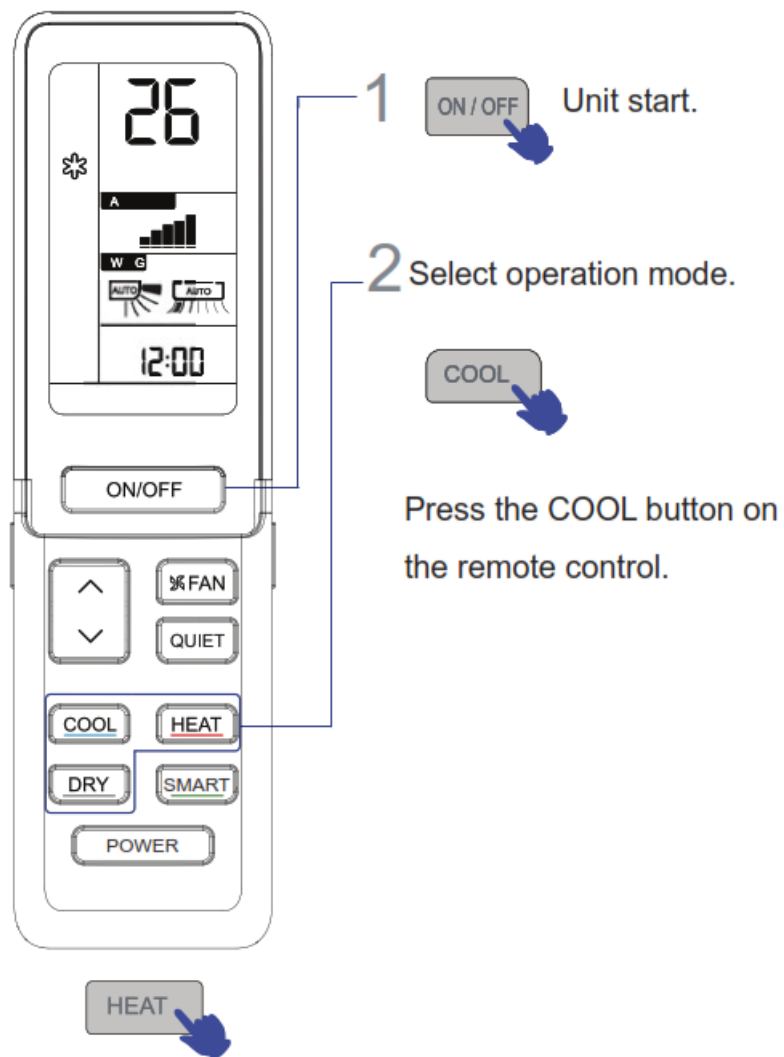
You can use this function when silence is needed for rest or reading.

Press once , and the Air Conditioner starts the QUIET function operation. In QUIET operation mode, fan speed automatically takes low speed of AUTO fan mode.

Press QUIET button again,  disappears, and the QUIET the operation stops.

**COOL, HEAT and DRY Operation**

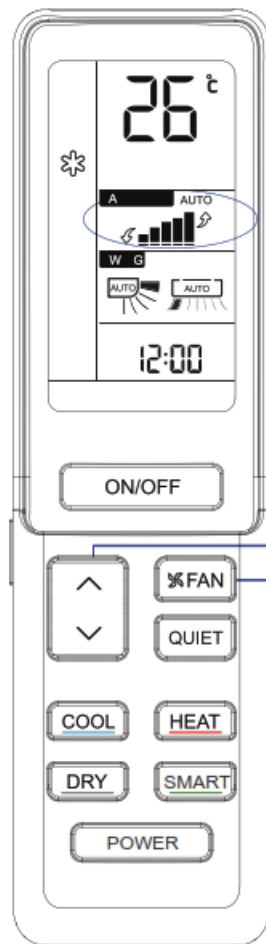




Press the HEAT button on the remote control.

 Press the DRY button on the remote control.

1. In DRY mode, when room temperature becomes lower than temp. setting +2 °C, unit will run intermittently at LOW speed regardless of FAN setting.
2. Remote controller can memorize each operation status. When starting it next time, just press ON/ OFF button and the unit will return to the previous status.



- 1 Press TEMP button.  
 $\Delta$  Every time the button is pressed, temp. setting increases 1 °C.  
 $\nabla$  Every time the button is pressed, temp. setting decreases 1 °C.



Press until you reach the desired set temperature

## 2 FAN Operation



Press FAN SPEED button. For each press, fan speed changes as follows:



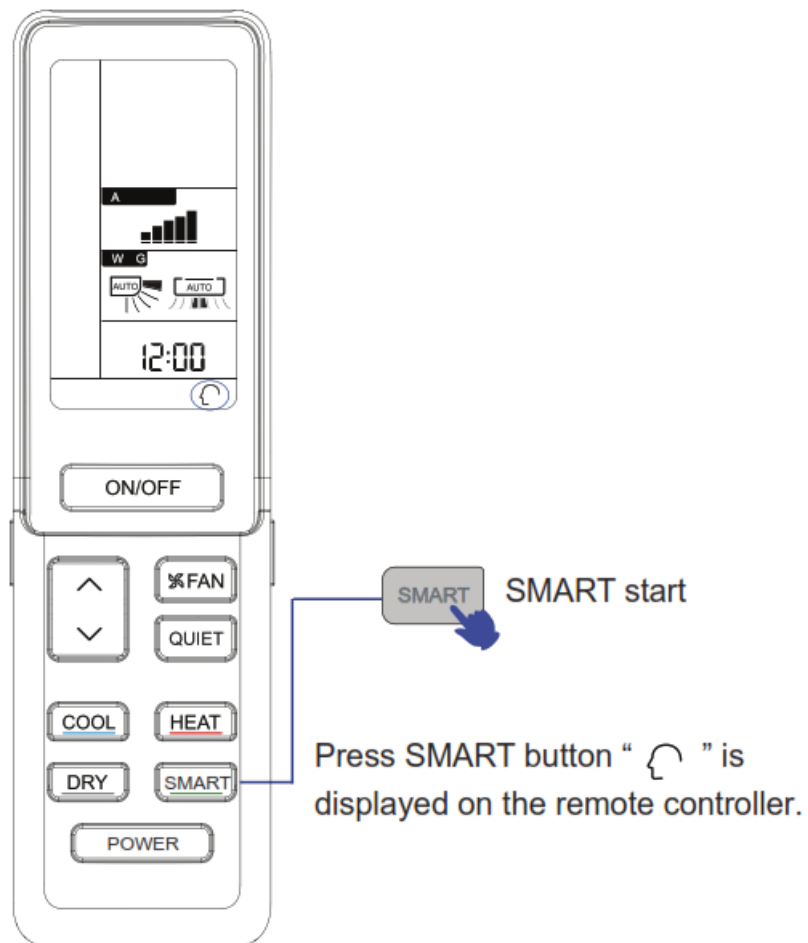
Unit will run at selected fan speed.

### SMART Operation

(This function is unavailable on some models)

One press can provide a more comfortable room.

The Air Conditioning unit can read the indoor temperature and humidity and make adjustments accordingly





Under the cooling, heating and dehumidifying mode, press the smart key to enter the smart function. Under the smart running mode, the air conditioner will automatically select between cooling, heating, dehumidifying or fan mode. When the smart function is running, press the “cooling”, “heating” or “dry” key to switch to that mode, and exit from the smart function.

#### **HEALTH AIRFLOW Operation**



Press once to activate the health airflow function

- 1). Press the button of health airflow,  appears on the display. Avoid the strong airflow blows direct to the body.
- 2). Press the button of health airflow again,  appears on the display. Avoid the strong airflow blows direct to the body.



Press again to deactivate the health airflow function

Press the button of health airflow again, both the inlet and outlet grills of the air conditioner are opened, and the unit goes on working under the condition before the setting of health airflow function. After stopping, the outlet grille will close automatically.



**Notice:**

Do not adjust the outlet grille by hand. Otherwise, the grille will run incorrectly. If the grille does not move correctly, stop for a minute and then start, adjusting by remote controller.

Remote controller can memorize each operation status. when starting it next time, just press ON/OFF button and unit will run in previous status.

**Note:**

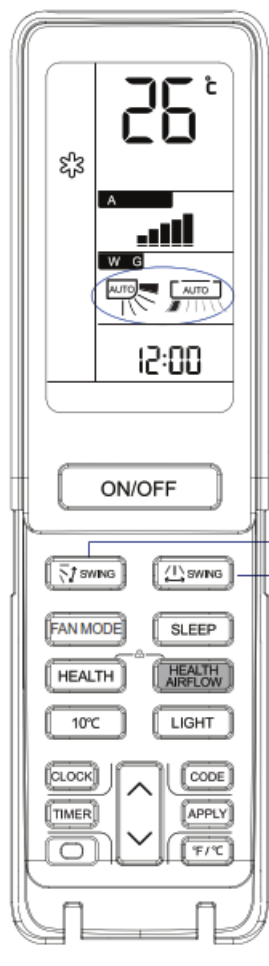
**Note:**

1. After setting the health airflow function, the position of inlet and outlet grills is fixed.
2. In heating, it is better to select the  mode.
3. In cooling, it is better to select the  mode.
4. In cooling and dry, using the air conditioner for a long time under the high air humidity, a phenomenon falling drips of water occurs at the outlet grille.
5. Select the appropriate fan direction according to the actual conditions.

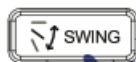



Fan mode: default low fan speed, fan mode , the setting temperature will not display, the temperature of indoor display is 24 °C

## SWING Operation

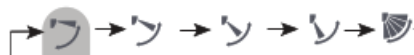


## 1 Up and down air flow direction



For each press of “” button, air flow direction on remote controller displays as follows according to different operation modes:

### COOL/DRY:



### HEAT:



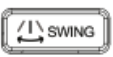
### SMART:

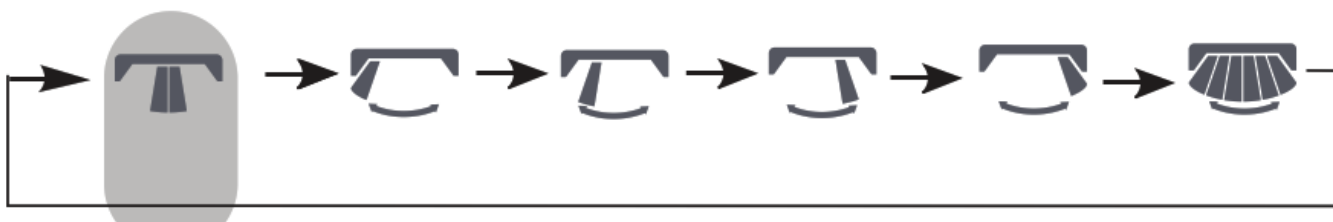


Initial state

## 2 Left and right air flow direction



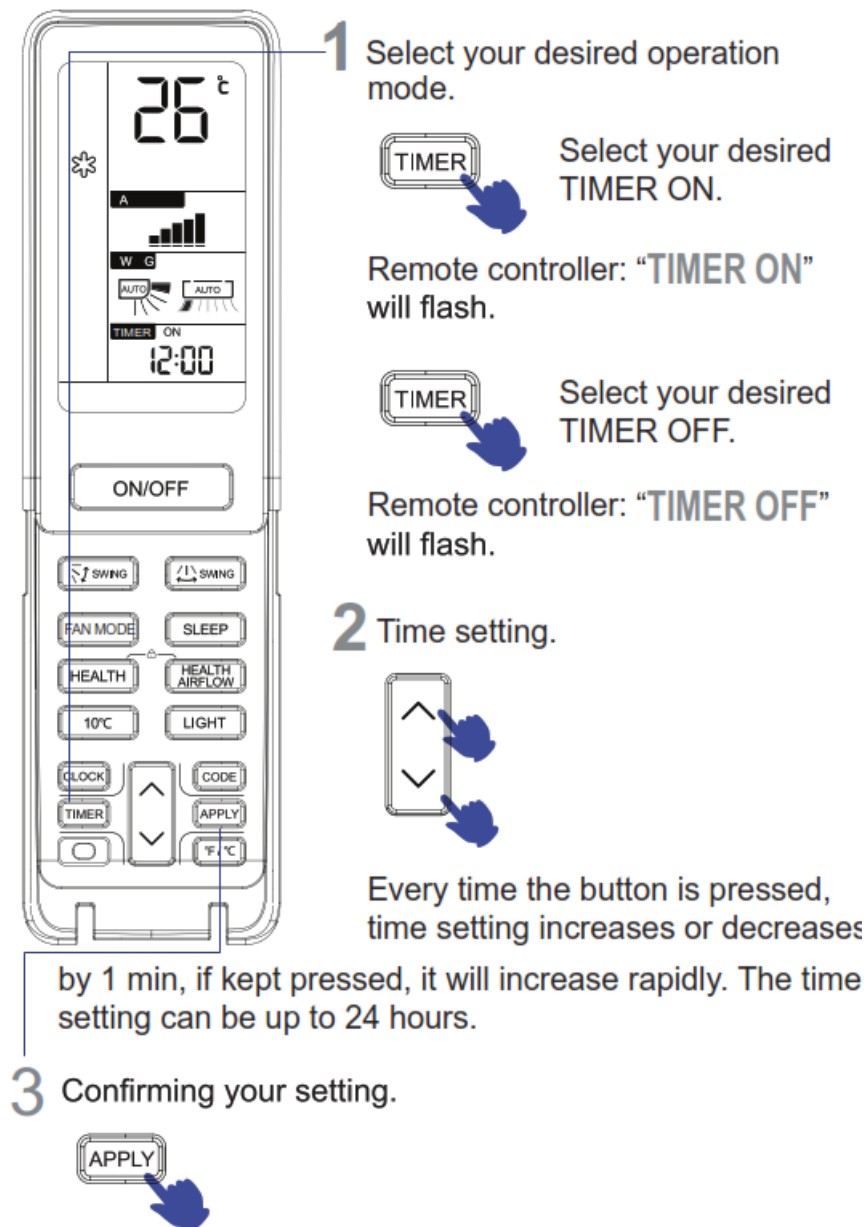
For each press of “” button, remote controller displays as follows:  
**remote controller:**



### Initial state

- When humidity is high, condensate water might occur at air outlet if all vertical louvers are adjusted to left or right.
- It is advisable not to keep horizontal flap at downward position for a long time in COOL or DRY mode, otherwise, condensate water might occur.
- As cold air flows downward in COOL mode, adjusting air flow horizontally will be much more helpful for a better air circulation

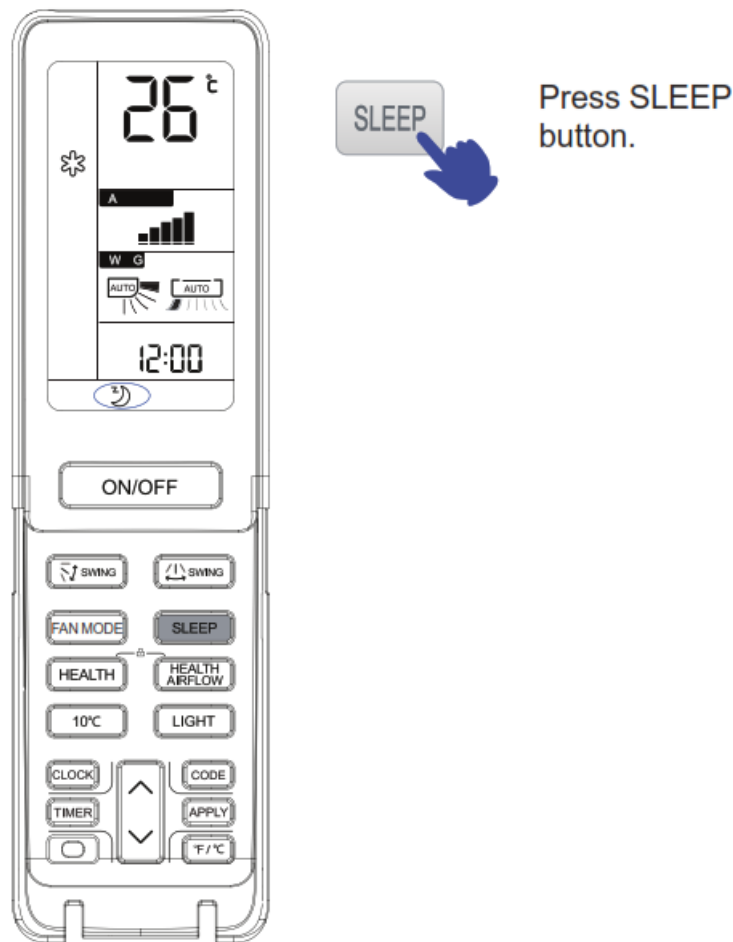
Set Clock correctly before starting Timer operation. You can let unit start or stop automatically at set times, like before you wake up in the morning, or get back from outside or after you fall asleep at night.



After setting correct time, press **APPLY** button to confirm "**ON**" or "**OFF**" on the remote controller stops flashing. To cancel **TIMER** mode Just press **TIMER** button several times until **TIMER** display disappear.

### Comfortable **SLEEP**

Before going to bed, you can simply press the **SLEEP** button and unit will operate in **SLEEP** mode and bring you a sound sleep.



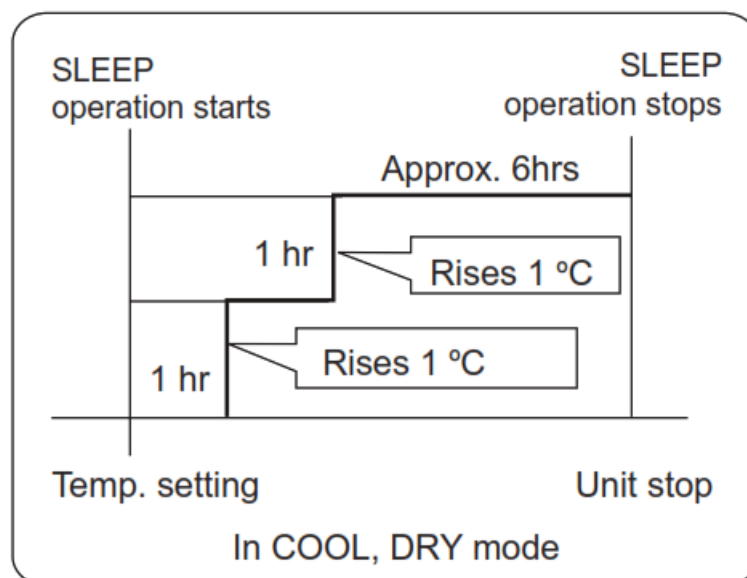
## Operation Mode

### 1. In COOL, DRY mode

1 hour after SLEEP mode starts, temp. will become 1°C higher than temp. setting. After another 1 hour, temp. rises by 1°C again.

The unit will run for another 6 hours then stop.

Temp. under sleep mode is higher than temp. setting so that room temperature won't be too low for sleep.



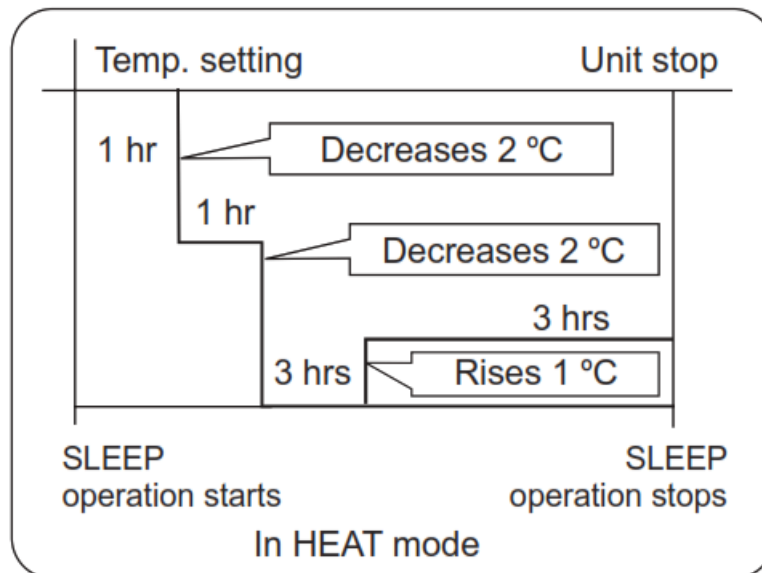
### 2. In HEAT mode

1 hour after SLEEP mode starts, temp will become 2°C lower than temp. setting. After another 1 hour, temp decrease by 2°C again. After another 3 hours, temp. rises by 1°C. The unit will run for another 3 hours and



then stop.

3. Temp. under SLEEP mode is lower than temp. setting so that the room temperature won't be too high for sleep.



4. When SLEEP mode is set to 8 hours the time can not be adjusted. When TIMER function is set, the SLEEP mode can't be set up. After the SLEEP mode is set up, if user resets TIMER function, the SLEEP mode will be cancelled; the machine will be in the state of timing-on, if the two modes are set up at the same time, either of their operation time is ended first, the unit will stop automatically, and the other mode will be cancelled.

#### Power Failure Resume Function

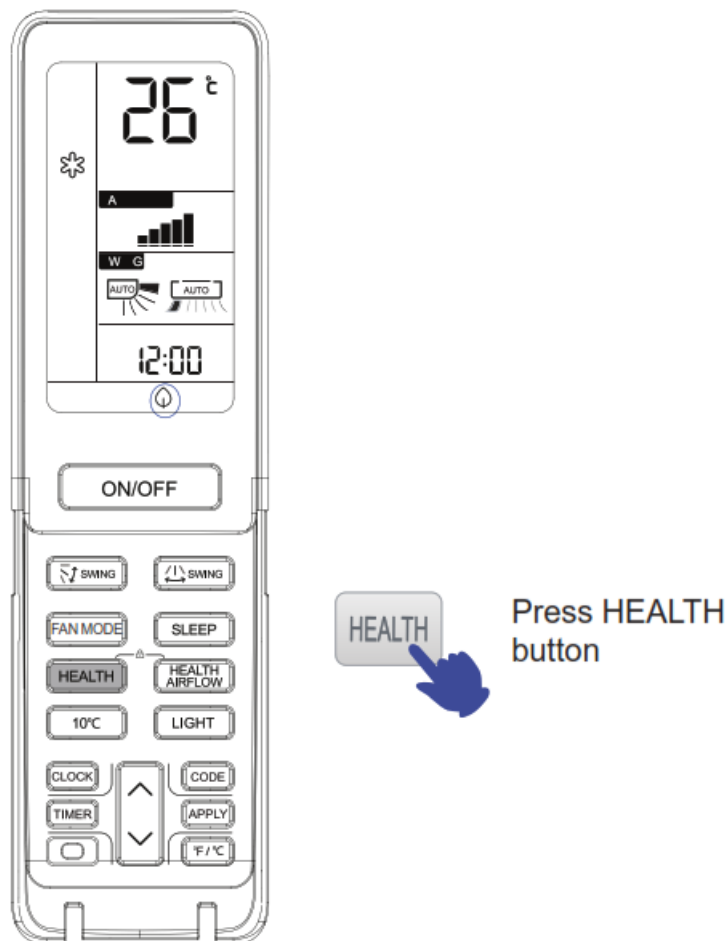
If the unit is started for the first time, the compressor will not start running unless 3 minutes have passed. When the power resumes after power failure, the unit will run automatically, and 3 minutes later the compressor starts running.


#### Note to the power failure resume:

press the sleep button ten times in five seconds and enter function after hearing four sounds. And press the sleep button ten times within five seconds and leave this function after hearing two sounds.


#### HEALTH Operation

The Ionizer generates ions in the air, and helps provide better air quality by killing bacteria and speeding up the dust sediment in the room.



Pressing the HEALTH button once,  is displayed on the remote controller and the ionizer operation starts

HEALTH

 Pressing the HEALTH button again will deactivate the ionizer operation.

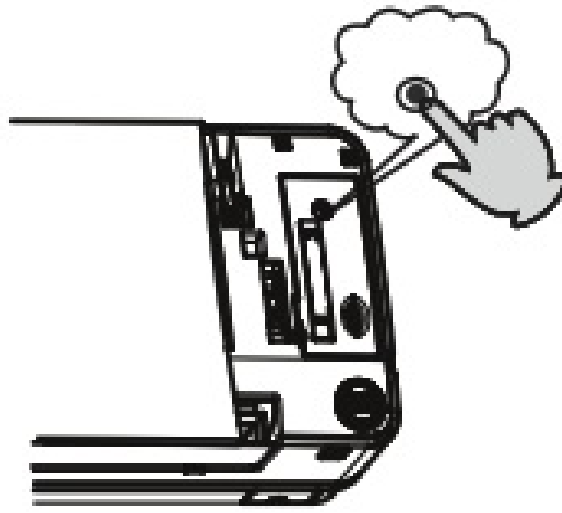
When indoor fan motor is running, it has healthy process function. (It's available under any mode) When the fan in the indoor unit does not work, the health lamp lights up, but the anion generator does not release anion.

#### ON/OFF operation and test operation

##### ON/OFF Operation:

- Use this operation only when the remote controller is defective or lost. For the Emergency Operation, use only for a limited time.
- When the emergency operation switch is pressed, a sound is heard once, which means the start of this operation.
- When power switch is turning on for the first time and emergency operation starts, the unit will run automatically in the following modes:

Room temperature	Designated temperature	Timer mode	Fan speed	Operation mode
Above 24 °C	24 °C	No	AUTO	COOL
Below 24 °C	24 °C	No	AUTO	HEAT

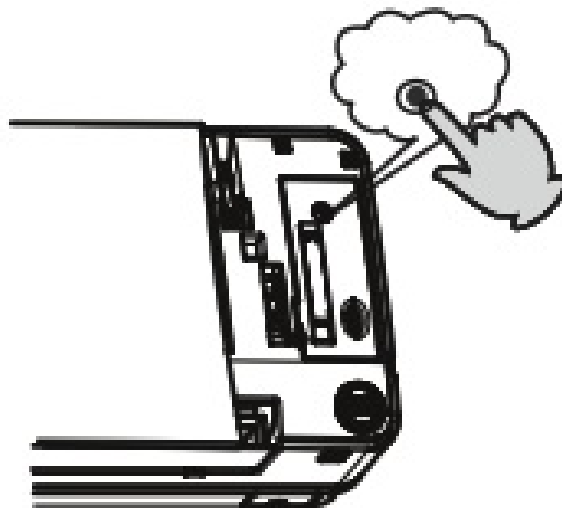


- It is impossible to change the settings of temp. and fan speed, It is also not possible to operate in timer or dry mode.

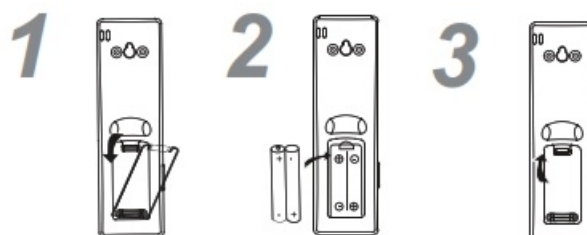
#### **Test operation:**

Test operation switch is the same as emergency switch.

- Use this switch in the test operation when the room temperature is below 16 °C, do not use it in the normal operation.
- Continue to press the test operation switch for more than 5 seconds. After you hear a beep sound twice, release your finger from the switch: the cooling operation starts with the air flow speed “Hi”.



#### **Loading of the battery**



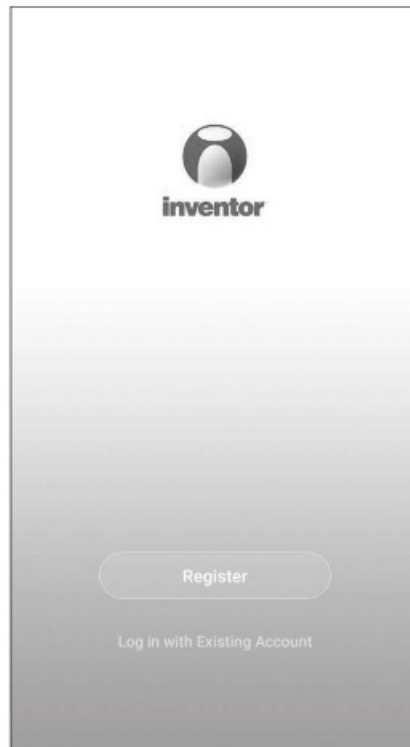
1. Remove the battery cover;
2. Load the batteries as illustrated. 2 R-03 batteries, resetting key (cylinder); Be sure that the loading is in line with the “+”/“-”;
3. Load the battery, then put on the cover again.

## **Pair the Air Conditioner with the Inventor Control application**

### **Before you start:**

- Verify that the router is broadcasting at 2.4GHz.
- If the router has dual band broadcasting, verify that the network names (SSIDs) are different.  
For additional help, contact your router/internet provider.
- Verify that the Wi-Fi password is WPA2-PSK encrypted, and the authorization type is set to AES.
- Make sure that the router is close to the air conditioner for unhindered pairing proses and wireless operation.

**Step 1:** Download and install the “Inventor Control” application from the Google Play Store or IOS App Store.

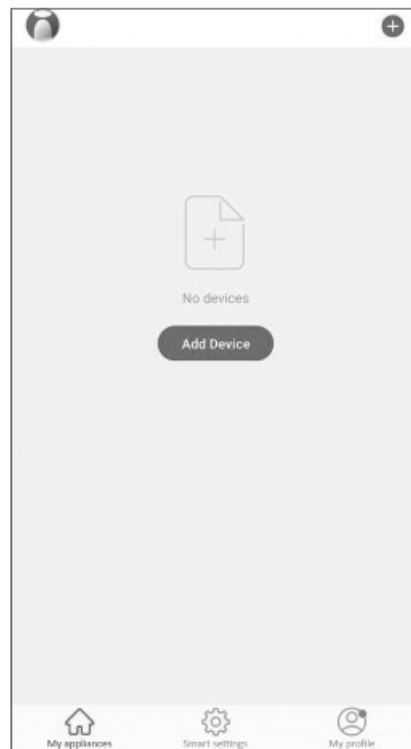


**Step 2:** Select “Register” to create a new account or “Log in with Existing Account”

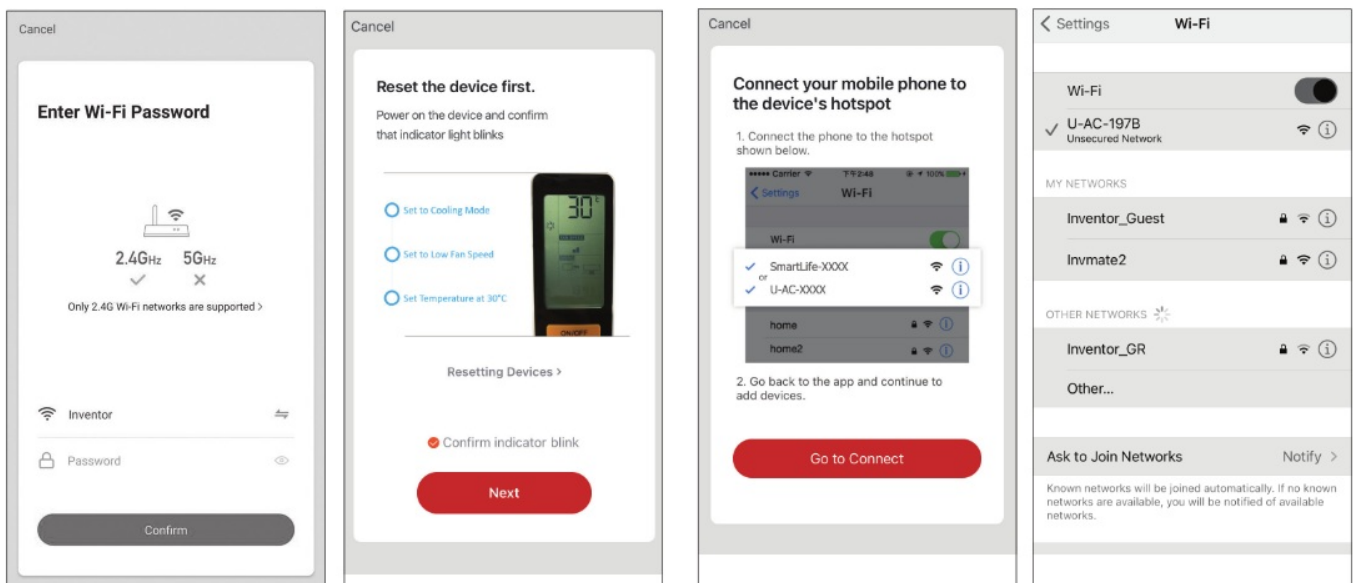
### **Notes:**

Carefully read the Privacy Policy and select “Agree” to continue.

To create an account, an email or a mobile number are required. Enter the code that you received in your registered email or phone number, in the “Enter Verification Code” field to proceed with the pairing process.



**Step 3:** To add the device, select “My appliances” and press “+” on the top right corner, or “Add Device” and select Air Conditioner.

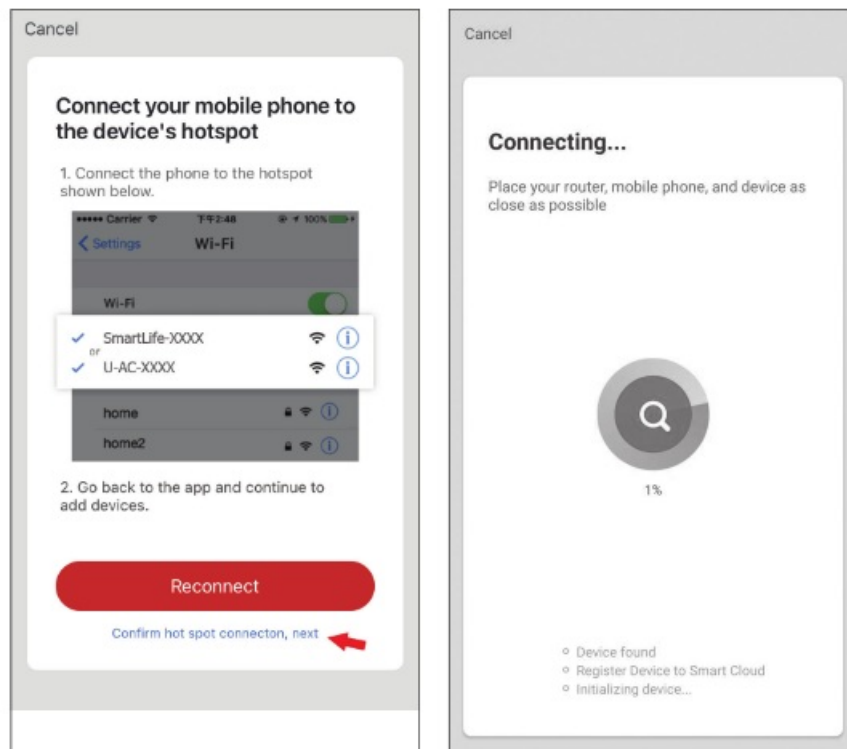


**Step 4:** Select the Wi-Fi Network and enter the password. Press Confirm to proceed. The pairing process may take some time.

**Note:** The pairing indication on the display of the air conditioner, may disappear during this step.

**Step 5:** Plug in the air conditioner to the power supply and turn it on. Set the air conditioner to Cooling Mode, Low Fan Speed and 30°C Temperature. Press Confirm to proceed.

**Step 6:** Press “Go to Connect” to enter your mobile device settings. Connect to the WiFi with name (SSID) “U-AC-XXXX”. Return to Inventor Control once connected.



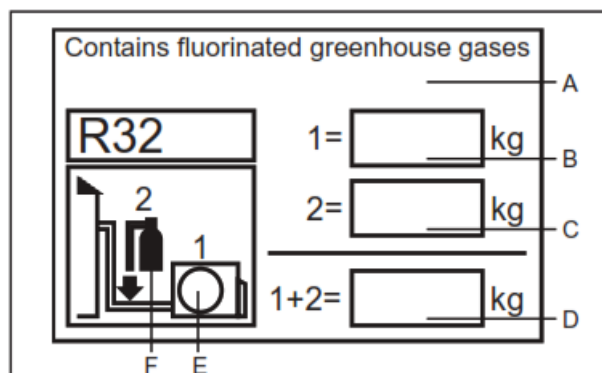
**Step 7:** Press “Confirm hot spot connection, next” as marked in the image above to start the pairing process.

#### **Troubleshooting:**

If the pairing process is not successful:

- Verify that the router is broadcasting at 2.4GHz.
- If the router has dual band broadcasting, verify that the network names (SSIDs) are different. For additional help, contact your router/internet provider.
- Verify that the Wi-Fi password is WPA2-PSK encrypted, and the authorization type is set to AES.
- Make sure that the router is within WLAN range of the air conditioner and no repeaters are installed.
- Power off the router, the air conditioner, and the device (tablet or mobile) and allow 5 minutes.
- Restart the pairing process from Step 2.
- If the pairing is not successful, repeat the process with a different smart device (tablet or mobile).
- Contact Inventor’s After Sales Dept.

#### **IMPORTANT INFORMATION REGARDING THE REFRIGERANT USED**



This product contains fluorinated greenhouse gases.

Do not vent into the atmosphere.

Refrigerant type:R32

GWP\* value:675

GWP=global warming potential

Please fill in with indelible ink,

\*1 the factory refrigerant charge of the product

\*2 the additional refrigerant amount charged in the field and

\*1+2 the total refrigerant charge on the refrigerant charge label supplied with the product.

The filled out label must be adhered in the proximity of the product charging port (e.g. onto the inside of the stop value cover).

A contains fluorinated greenhouse gases

B factory refrigerant charge of the product: see unit name plate

C additional refrigerant amount charged in the field

D total refrigerant charge

E outdoor unit

F refrigerant cylinder and manifold for charging

## **EUROPEAN REGULATIONS CONFORMITY FOR THE MODELS**

**Climate:T1 Voltage:230V**

CE

All the products are in conformity with the following European provision:

– 2014/53/EU(RED)

– 2014/517/EU(F-GAS)

– 2009/125/EC(ENERGY)

– 2010/30/EU(ENERGY)

– 2006/1907/EC(REACH)

## **RoHS**

The products are fulfilled with the requirements in the directive 2011/65/EU of the European parliament and of council on the Restriction of the use of Certain Hazardous Substances in Electrical and Electronic Equipment (EU RoHS Directive)

## **WEEE**

In accordance with the directive of the European parliament, herewith we inform the consumer about the disposal requirements of the electrical and electronic products.

## **DISPOSAL REQUIREMENTS:**



Your air conditioning product is marked with this symbol. This means that electrical and electronic products shall not be mixed with unsorted household waste. Do not try to dismantle the system yourself : the dismantling of the air conditioning system, treatment of the refrigerant, of oil and of other part must be done by a qualified installer in accordance with relevant local and national legislation. Air conditioners must be treated at a specialized treatment facility for reuse, recycling and recovery. By ensuring this product is disposed of correctly, you will help to prevent potential negative consequences for the environment and hummin health. Please contact the installer or local authority for more information. Battery must be removed from the remote controller and disposed of separately in accordance with relevant local and national legislation.

## **Wi-Fi**

- Wireless maximum transmit power (20dBm)
- Wireless operating frequency range (2400~2483.5MHz)

## **Indoor Unit Installation**

### **Necessary Tools for Installation**

- Driver
- Nipper
- Hacksaw
- Hole core drill
- Spanner(17,19 and 26mm)

- Gas leakage detector or soap-and-water solution
- Torque wrench (17mm,22mm,26mm)
- Pipe cutter
- Flaring tool
- Knife
- Measuring tape
- Reamer

### Selection of Installation Place

- Place, robust not causing vibration, where the body can be supported sufficiently.
- Place, not affected by heat or steam generated in the vicinity, where inlet and outlet of the unit are not disturbed.
- Place, possible to drain easily, where piping can be connected with the outdoor unit.
- Place, where cold air can be spread in a room entirely.
- Place, nearby a power receptacle, with enough space around.
- Place where the distance of more than 1m from televisions, radios, wireless apparatuses and fluorescent lamps can be left.
- In the case of fixing the remote controller on a wall, place where the indoor unit can receive signals when the fluorescent lamps in the room are lightened.

### Power Source

- Before inserting power into receptacle, check the voltage without fail.
- The power supply is the same as the corresponding nameplate.
- Install an exclusive branch circuit of the power.
- A receptacle shall be set up in a distance where the power cable can be reached. Do not extend the cable by cutting it.

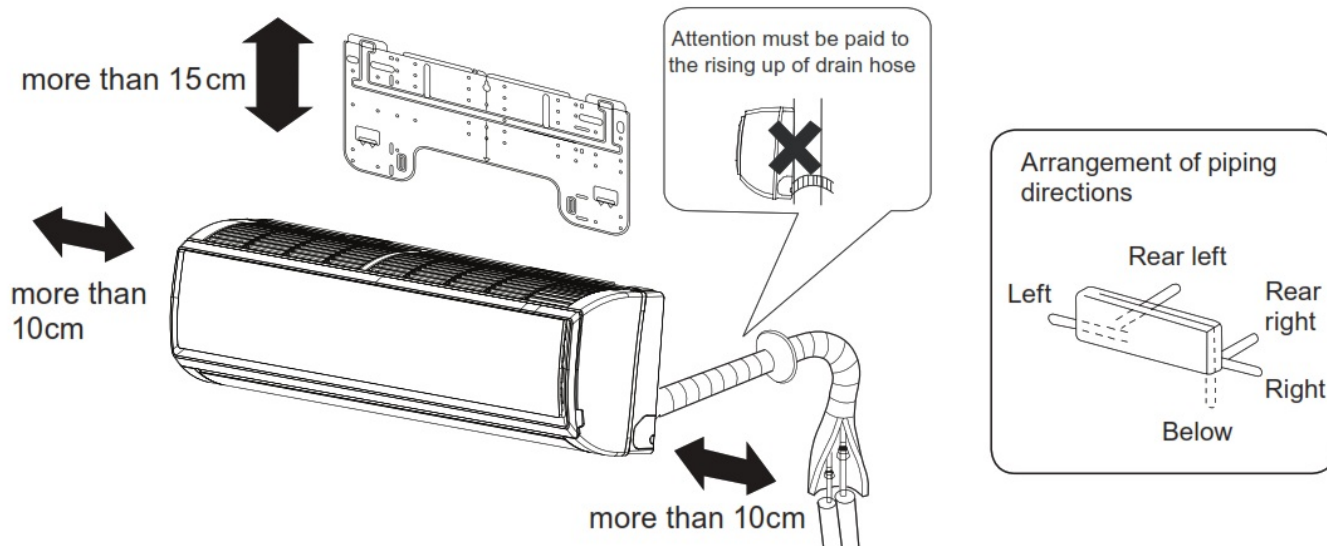
### Selection of Pipe

FOR 09K 12K	Liquid pipe	Ø 6.35×0.8mm
	Gas pipe	Ø9.52×0.8mm
FOR 18K 24K	Liquid pipe	Ø.35×0.8mm
	Gas pipe	Ø 12.7×0.8mm

### Drawing for the installation of indoor units

The models adopt HFC refrigerant R32.



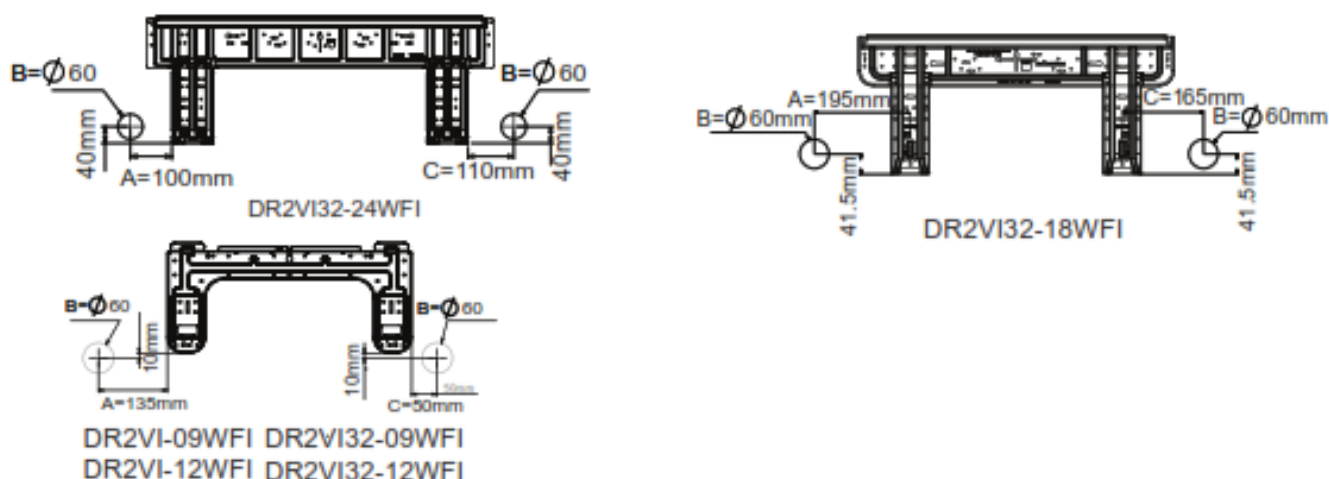


If using the left side drain pipe, make sure the hole is got through.  
 The distance between the indoor unit and the floor should be more than 2m.  
 Please be subject to the actual product purchased, the above picture is just for your reference.

# 1. Fitting of the Mounting Plate and Positioning of the wall Hole

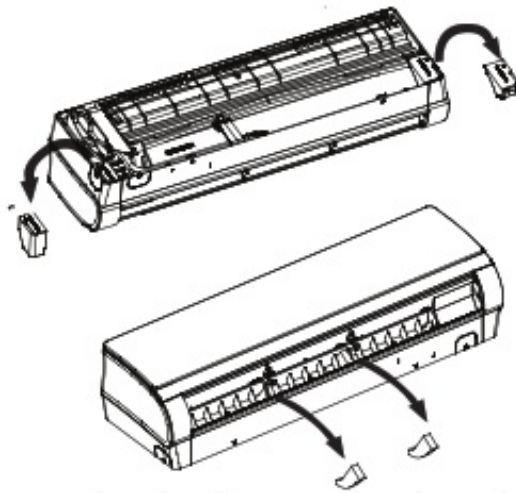
## When the mounting plate is first fixed

1. Carry out, based on the neighboring pillars or lintels, a proper leveling for the plate to be fixed against the wall, then temporarily fasten the plate with one steel nail.
2. Make sure once more the proper level of the plate, by hanging a thread with weight from the central top of the plate, then fasten securely the plate with the attachment steel nail.
3. Find the wall hole location A/C using a measuring tape

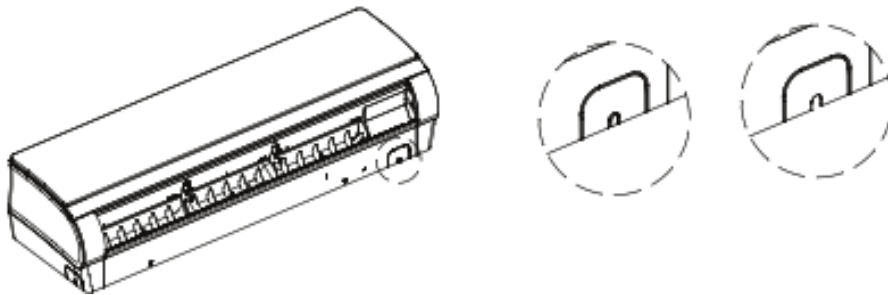


## Pay attention to the following points before installation of machine:

1. Take out cushion blocks on the left and right angle beads as shown in the following Figure.
2. Remove 2 gaskets under t cross-flow fan.



3. Clean the burr on the surface of fracture to avoid the power wire from being scratched after removing the virtual opening of the outgoing line slot on the case by hands in indoor power-on process.

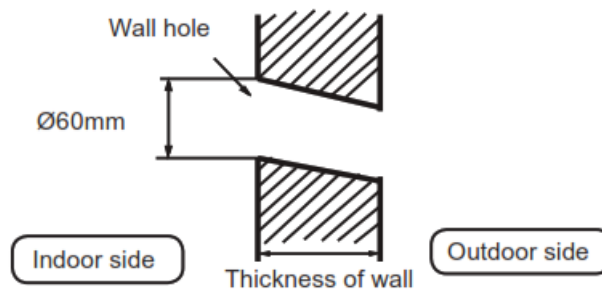


#### When the mounting plate is fixed side bar and lintel

- Fix to side bar and lintel a mounting bar, Which is separately sold, and then fasten the plate to the fixed mounting bar.
- Refer to the previous article, “ When the mounting plate is fi rst fixed “, for the position of wall hole.

#### Making a Hole on the Wall and Fitting the Piping Hole Cover

- Make a hole of 60 mm in diameter, slightly descending to outside the wall
- Install piping hole cover and seal it off with putty after installation



(Section of wall hole) G Piping hole pipe

#### Installation of the Indoor Unit

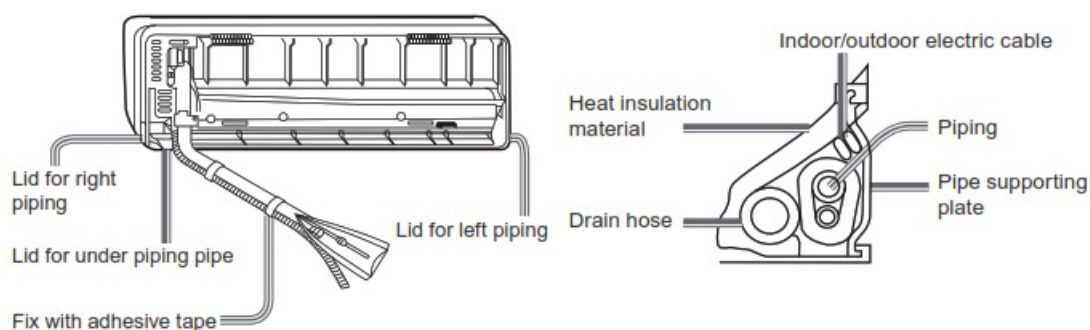
##### Drawing of pipe

##### [ Rear piping ]

Draw pipes and the drain hose, then fasten them with the adhesive tape

##### [ Left Left-rear piping ]

- In case of left side piping, cut away, with a nipper, the lid for left piping.
- In case of left-rear piping, bend the pipes according to the piping direction to the mark of hole for left-rear piping which is marked on heat insulation materials.
  1. Insert the drain hose into the dent of heat insulation materials of indoor unit.
  2. Insert the indoor/outdoor electric cable from backside of indoor unit, and pull it out on the front side, then connect them.
  3. Coat the flaring seal face with refrigerant oil and connect pipes. Cover the connection part with heat insulation materials closely, and make sure fixing with adhesive tape



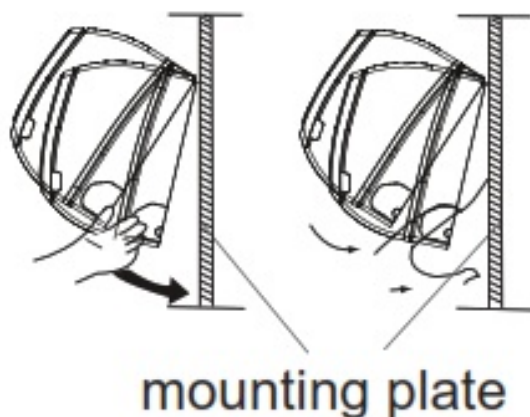
- Indoor/outdoor electric cable and drain hose must be bound with refrigerant piping by protecting tape.

#### [ Other direction piping ]

- Cut away, with a nipper, the lid for piping according to the piping direction and then bend the pipe according to the position of wall hole. When bending, be careful not to crash pipes.
- Connect beforehand the indoor/outdoor electric cable, and then pull out the connected to the heat insulation of connecting part specially.

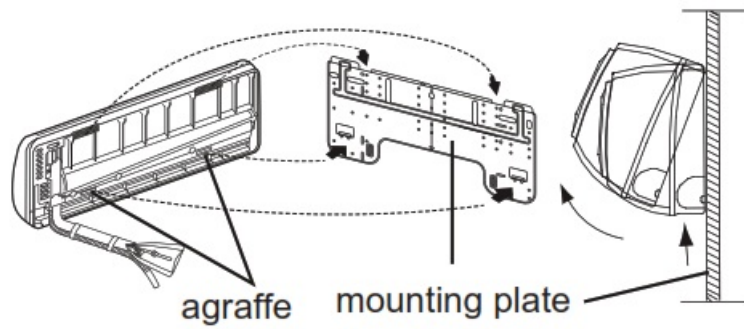
#### Fixing the indoor unit body

- Hang surely the unit body onto the upper notches of the mounting plate. Move the body from side to side to verify its secure fixing.
- In order to fix the body onto the mounting plate, hold up the body aslant from the underside and then put it down perpendicularly.



#### Unloading of indoor unit body

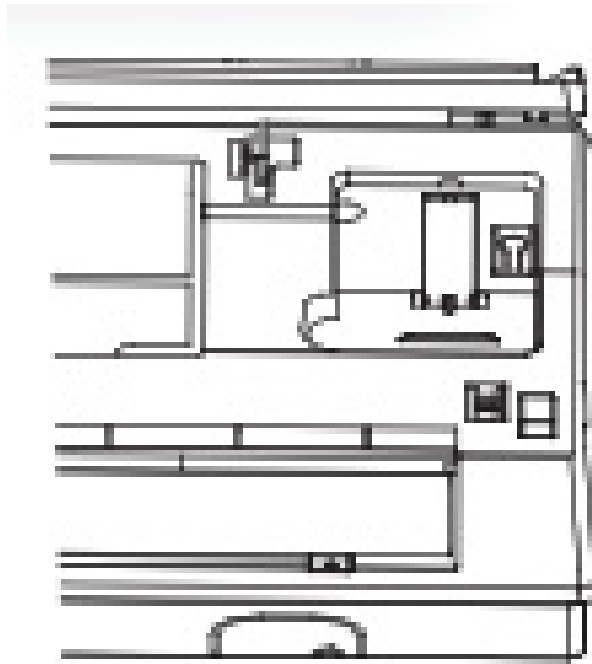
When you unload the indoor unit, please use your hand to arise the body to leave a gaffe, then lift the bottom of the body outward slightly and lift the unit aslant until it leaves the mounting plate.



Connecting the indoor/outdoor Electric Cable

### Removing the wiring cover

- Remove terminal cover at right bottom corner of indoor unit, then take off wiring cover by removing its screws.

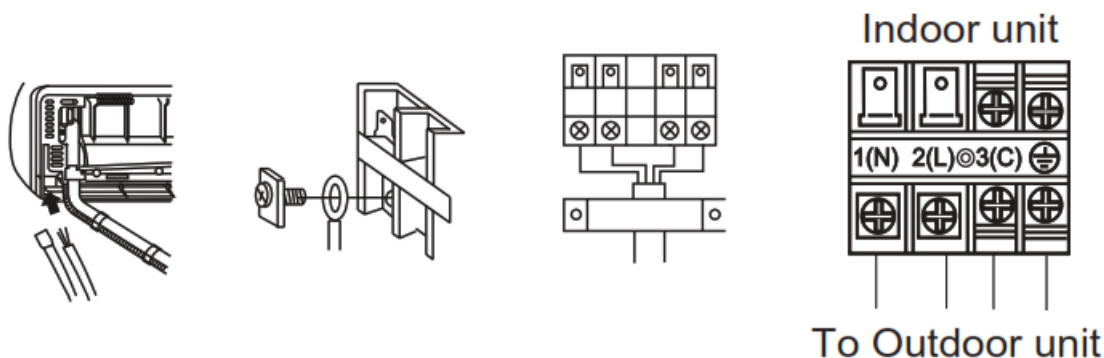


When connecting the cable after installing the indoor unit

1. Insert from outside the room cable into left side of the wall hole, in which the pipe has already existed.
2. Pull out the cable on the front side, and connect the cable making a loop.

When connecting the cable before installing the indoor unit

- Insert the cable from the back side of the unit, then pull it out on the front side.
- Loosen the screws and insert the cable ends fully into terminal block, then tighten the screws.
- Pull the cable slightly to make sure the cables have been properly inserted and tightened.
- After the cable connection, never fail to fasten the connected cable with the wiring cover.



#### Note:

When connecting the cable, confirm the terminal number of indoor and outdoor units carefully. If wiring is not correct, proper operation can not be carried out and will cause defect.

Connecting wiring	4G mm <sup>2</sup>
-------------------	--------------------

1. If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person. The type of connecting wire is H05RN-F or H07RN-F.
2. If the fuse on PC board is broken please change it with the type of T.3.15A/250VAC (Indoor).
3. The wiring method should be in line with the local wiring standard.
4. After installation, the power plug should be easily reached.
5. A breaker should be incorporated into fixed wiring. The breaker should be all-pole switch and the distance between its two contacts should be not less than 3mm.

#### Power Source Installation

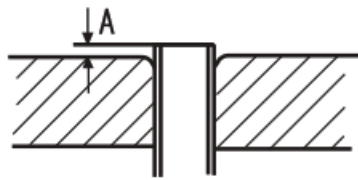
- The power source must be exclusively used for air conditioner.
- In the case of installing an air conditioner in a moist place, please install an earth leakage breaker.
- For installation in other places, use a circuit breaker as far as possible.

#### Cutting and Flaring Work of Piping

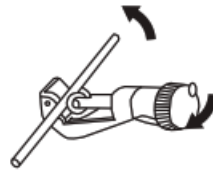
- Pipe cutting is carried out with a pipe cutter and burs must be removed
- After inserting the flare nut, flaring work is carried out.

Flare tool for R410A	Conventional flare tool	
Clutch-type	clutch-type(Rigid-type)	Wing-nut type (Imperial-type)
0~0.5mm	1.0~1.5mm	1.5~2.0mm

### Flare tooling die



### 1.Cut pipe



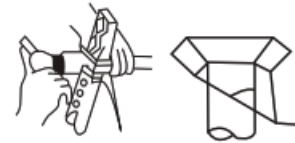
### 3.Insert the flare nut



### 2.Remove burs



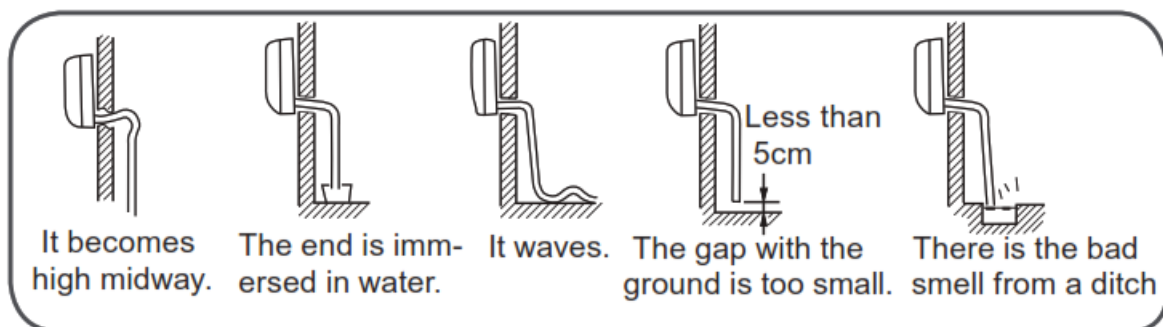
### 4.Flare pipe



Correct	Incorrect				
	Lean	Damage of flare	Crack	Partial	Too outside

### On Drainage

- Please install the drain hose so as to be downward slope without fail.
- Please don't do the drainage as shown below.



- Please pour water in the drain pan of the indoor unit, and is carried out surely to outdoor.
- In case that the attached drain hose is in a room, please apply heat insulation to confirm that drainage it without fail.

### On Drainage

Code indication	Trouble description	Analyze and diagnose
E1	Room temperature sensor failure	Faulty connector connection; Faulty thermistor; Faulty PCB;
E2	Heat-exchange sensor failure	
E4	Indoor EEPROM error	Faulty EEPROM data; Faulty EEPROM; Faulty PCB;
E7	Communication fault between indoor and outdoor units	Indoor unit- outdoor unit signal transmission error due to wiring error; Faulty PCB;
0.00E+00	Indoor fan motor malfunction	Operation halt due to breaking of wire inside the fan motor; Operation halt due to breaking of the fan motor lead wires; Detection error due to faulty indoor unit PCB;

### Check for Installation and Test Run

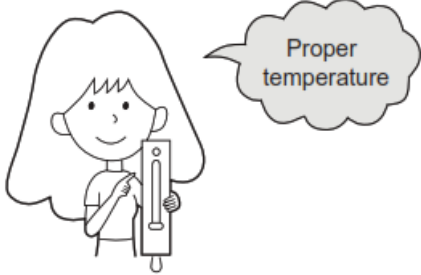
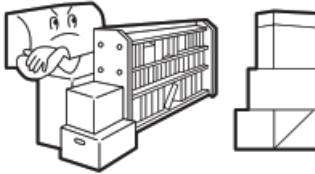
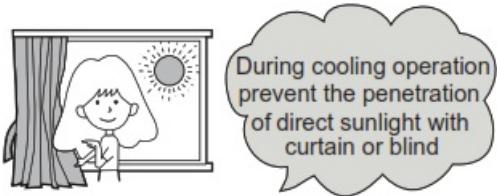
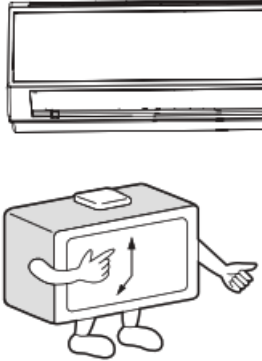

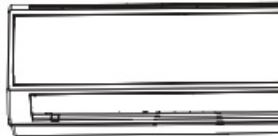


- Please kindly explain to our customers how to operate through the instruction manual.

#### Check Items for Test Run

- Put check mark✓ in boxes
- Gas leak from pipe connecting?
- Heat insulation of pipe connecting?
- Are the connecting wirings of indoor and outdoor firmly inserted to the terminal block?
- Is the connecting wiring of indoor and outdoor firmly fixed?
- Is drainage securely carried out?
- Is the earth line securely connected?
- Is the indoor unit securely fixed?
- Is power source voltage abided by the code?
- Is there any noise?
- Is the lamp normally lighting?
- Are cooling and heating (when in heat pump) performed normally?
- Is the operation of room temperature regulator normal?

### Maintenance

#### For Smart Use of The Air Conditioner

<p>Setting of proper room temperature</p> 	<p>Do not block the air inlet or outlet</p> 
<p>Close doors and windows during operation</p> 	<p>Use the timer effectively</p> 
<p>If the unit is not to be used for a long time, turn off the power supply main switch.</p> 	<p>Use the louvers effectively</p> 
<p>Remote Controller</p>  <p>Do not sweater, wipe the controller with a dry cloth. Do not use glass cleaner or chemical cloth.</p>	<p>Indoor Body</p>  <p>wipe the air conditioner by using a soft and dry cloth. For soft water. Wring the water out of the cloth before wiping, then</p>

**Do not use the following for cleaning**

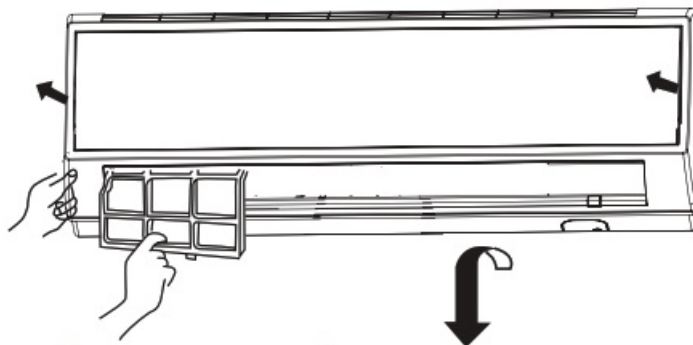




Gasoline, benzine, thinner or cleanser may damage the coating of the unit.

Hot water over 40° C (104° F) may damage the unit.

### Air Filter cleaning



1. Open the inlet grille by pulling it upward.

2. Remove the filter.

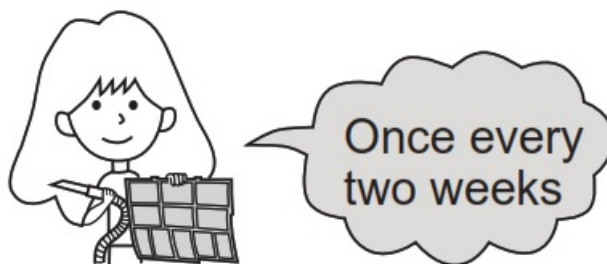
Push up the filter's center tab slightly until it is from the stopper, and remove the filter downward. released

3. Clean the filter.

Use a vacuum cleaner to remove dust, or wash the filter with water. After washing, dry the filter completely in the shade.

4. Attach the filter.

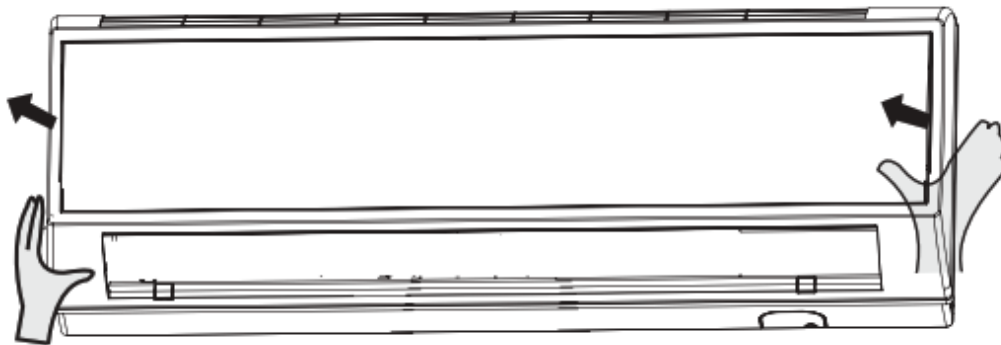
Attach the filter correctly so that the "FRONT" indication facing to the front. Make sure that the filter is fixed behind the stopper. If the right attached correctly, that is completely and left filters are not may cause defects.



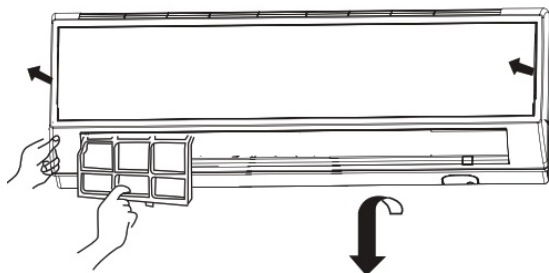
5. Close the inlet grille.

### Replacement of Air Purifying Filter

1. Open the inlet Grille Prop up the inlet grille by using a small device named grille-support which located in the right side of the indoor unit.



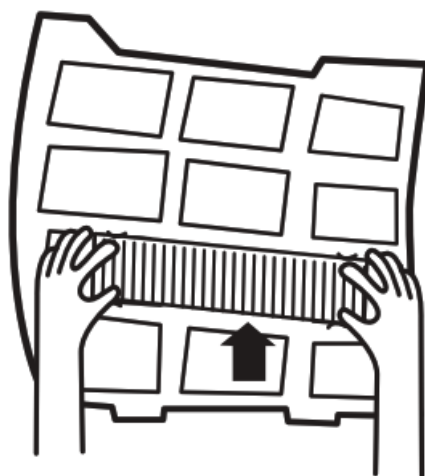
2. Detach the standard air filter Slide the knob slightly upward to release the filter, then withdraw it.



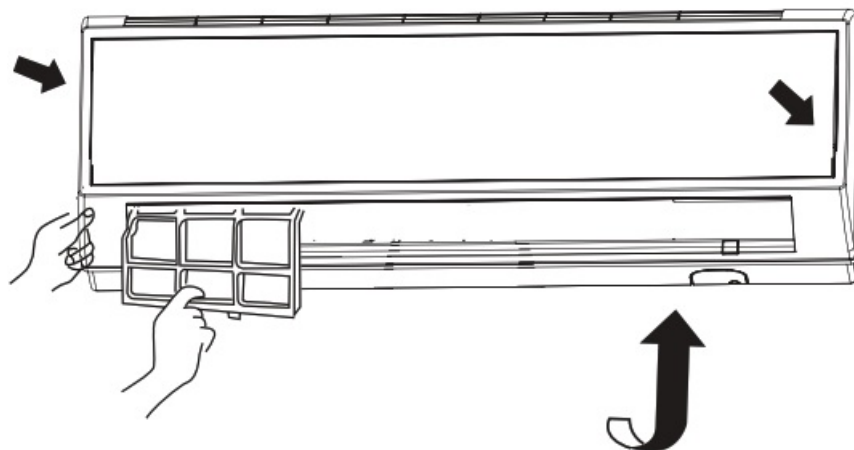
Detach old Air Purifying Filter



3. Attach Air Purifying Filter Put air purifying filter appliances into the right and left filter frames.



4. Attach the standard air filter (Necessary installation)



**ATTENTION:**

The white side of the photocatalyst air purifying filter face outside, and the black side face the unit The green side of the bacteria-killing medium air purifying filter face outside, and the white side face the unit.

## 5. Close the Inlet Grille

Close the Grille surely

### NOTE:

- The photocatalyst air purifying filter will be solarized in fixed time. In normal family, it will be solarized every 6 months.
- The bacteria-killing medium air purifying filter will be used for a long time, no need for replacement. But in the period of using them ,you should remove the dust frequently by using vacuum cleaner or flapping them lightly, otherwise , its performance will be affected.
- Please keep the bacteria-killing medium air purifying filter in avoid long time directly sunshine when you stop using it, or its ability of sterilization will be the cool and dry conditions reduced.

### Cautions



#### WARNING

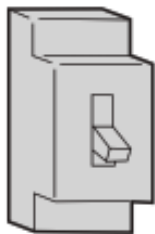
Please call Sales/Service Shop for the Installation.

Do not attempt to install the air conditioner by yourself because improper works may cause electric shock, fire, water leakage.



#### WARNING

When abnormality such as burnt-smell found, immediately stop the operation button and contact sales shop.

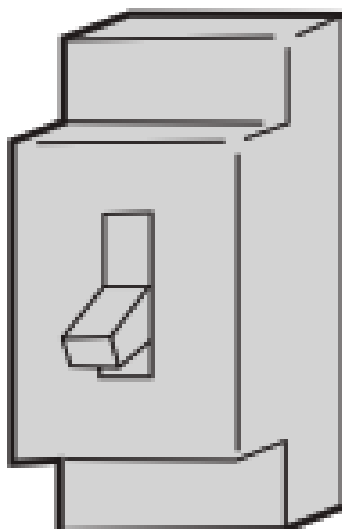


OFF

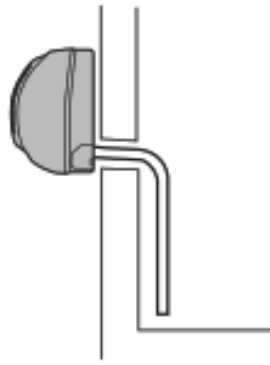


STRICT  
ENFORCEMENT

Use an exclusive power source with a circuit breaker



Check proper installation of the drainage securely



Connect power supply cord to the outlet completely



Use the proper voltage



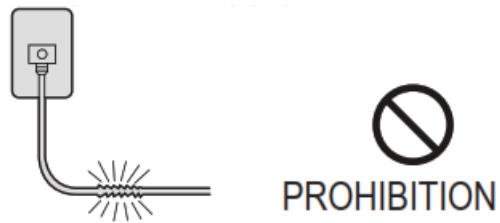
1. Do not use power supply cord extended or connected in halfway
2. Do not install in the place where there is any possibility of inflammable gas leakage around the unit.
3. Do not get the unit exposed to vapor or oil steam.



Do not use power supply cord in a bundle.



Take care not to damage the power supply cord.



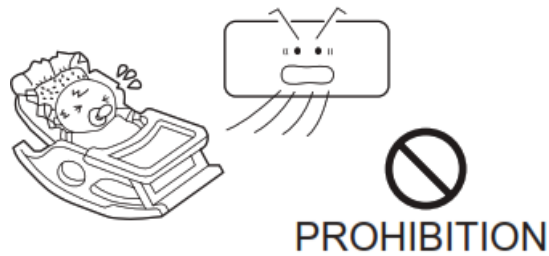
Do not insert objects into the air inlet or outlet.



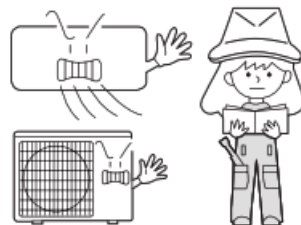
Do not start or stop the operation by disconnecting the power supply cord and so on.



Do not channel the air flow directly at people, especially at infants or the aged.



Do not try to repair or reconstruct by yourself.



Connect the earth cable.





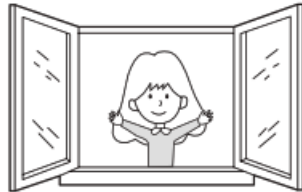
## CAUTION

Do not use for the purpose of storage of food, art work, precise equipment, breeding, or cultivation.



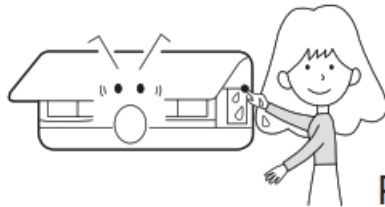
PROHIBITION

Take fresh air occasionally especially when gas appliance is running at the same time.



STRICT  
ENFORCEMENT

Do not operate the switch with wet hand.



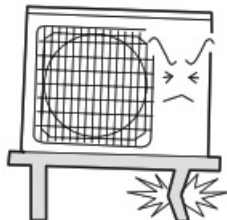
PROHIBITION

Do not install the unit near a fireplace or other heating apparatus.



PROHIBITION

Check good condition of the installation stand



PROHIBITION

Do not pour water onto the unit for cleaning



Do not place animals or plants in the direct path of the air flow



Do not place any objects on or climb on the unit.








Do not place flower vase or water containers on the top of the unit.



## Trouble shooting

Before asking for service, check the following first.

	Phenomenon	Cause or check points
	<p>The system does not restart immediately.</p> 	<ul style="list-style-type: none"> <li>• When unit is stopped, it won't restart immediately until 3 minutes have elapsed to protect the system.</li> <li>• When the electric plug is pulled out and reinserted, the protection circuit will work for 3 minutes to protect the air conditioner.</li> </ul>

Normal Performance inspection	<p>Noise is heard</p> 	<ul style="list-style-type: none"> <li>• During unit operation or at stop, a swishing or gurgling noise may be heard. At first 2-3 minutes after unit start, this noise is more noticeable. (This noise is generated by refrigerant flowing in the system.)</li> <li>• During unit operation, a cracking noise may be heard. This noise is generated by the casing expanding or shrinking because of temperature changes.</li> <li>• Should there be a big noise from air flow in unit operation, air filter may be too dirty.</li> </ul>
	<p>Smells are generated.</p>	<ul style="list-style-type: none"> <li>• This is because the system circulates smells from the interior or air such as the smell of furniture, paint, cigarettes.</li> </ul>
	<p>Mist or steam are blown out.</p> 	<ul style="list-style-type: none"> <li>• During COOL or DRY operation, indoor unit may blow out mist. This is due to the sudden cooling of indoor air.</li> </ul>
	<p>In dry mode, fan speed can't be changed.</p>	<ul style="list-style-type: none"> <li>• In DRY mode, when room temperature becomes lower than temp. setting+2 °C unit will run intermittently at LOW speed regardless of FAN setting.</li> </ul>
Multiple check		<ul style="list-style-type: none"> <li>• Is power plug inserted?</li> <li>• Is there a power failure?</li> <li>• Is fuse blowout?</li> </ul>
	<p>Poor cooling</p> 	<ul style="list-style-type: none"> <li>• Is the air filter dirty? Normally it should be cleaned every 15 days.</li> <li>• Are there any obstacles before inlet and outlet?</li> <li>• Is temperature set correctly?</li> <li>• Are there some doors or windows left open?</li> <li>• Is there any direct sunlight through the window during the cooling operation? (Use curtain)</li> <li>• Are there too much heat sources or too many people in the room during cooling operation?</li> </ul>

## Cautions

- Do not obstruct or cover the ventilation grille of the air conditioner. Do not put fingers or any other things into the inlet/outlet and swing louver.
- 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 appliance by person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

## Specifications



The refrigerating circuit is leak-proof.

**The machine is adaptive in following situation**

1. Applicable ambient temperature range:
- 2.

Cooling	Indoor	Maximum: D.B 35°C Minimum: D.B 21°C
	Outdoor	Maximum: D.B 43°C Minimum: D.B -10°C
Heating	Indoor	Maximum: D.B 27°C Minimum: D.B 10°C
	Outdoor	Maximum: D.B 24°C Minimum: D.B -7°C
	Outdoor (INVERTER)	Maximum: D.B 24°C Minimum: D.B -15°C

3. If the power supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similar qualified person.
4. If the fuse of indoor unit on PC board is broken, please change it with the type of T. 3.15A/ 250V. If the fuse of outdoor unit is broken, change it with the type of T.25A/250V
5. The wiring method should be in line with the local wiring standard.
6. After installation, the power plug should be easily reached.
7. The waste battery should be disposed properly.
8. The appliance is not intended for use by young children or infirm persons without supervision.
9. Young children should be supervised to ensure that they do not play with the appliance.
10. Please employ the proper power plug, which fit into the power supply cord.
11. The power plug and connecting cable must have acquired the local attestation.
12. In order to protect the units, please turn off the A/C first, and at least 30 seconds later, cutting off the power.

All the pictures in the manual are for explanatory purposes only. The actual shape of the unit you purchased may be slightly different, but the operations and functions are the same.

The company may not be held responsible for any misprinted information. The design and the specifications of the product for reasons, such as product improvement, are subject to change without any prior notice.

Please consult with the manufacturer at +30 211 300 3300 or with the Local Distributor for further details.



Scan here to download the latest version of this manual.

[www.inventorairconditioner.com/media-library](http://www.inventorairconditioner.com/media-library)

## Activate your Warranty

Follow the next quick steps to activate your warranty:

### STEP 1

Visit our website via the link: <https://www.inventorairconditioner.com/warranty-inventor> or by scanning the QR code, as follows:



### STEP 2

Fill in the obligatory fields as requested in the “Owner’s details” and “Unit’s details”:

To activate the warranty card, please fill in the following fields

Owner's details	Unit's details
Full Name	Unit
<input type="text"/>	<input type="text"/>
Address*	Serial Number of the unit*
<input type="text"/>	<input type="text"/>

### STEP 3

Click SEND button at the end of the submission form:

Subscribe to Inventor's Newsletter ☐

in the current

**SEND** and you accept the terms and conditions.

☒ once the warranty submission has been completed a confirmation message will be sent to your email

#### STEP 4

Wait for the confirmation email you will receive at the email address you have filled in – please also check your spam folder.

#### STEP 5

Inventor warranty is now valid!

#### RED Declaration of Conformity (DoC)

Unique identification of this DoC: 20210308001

We, INVENTOR A.G. ELECTRIC APPLIANCES S.A. declare under our sole responsibility that the product:

product name: Wi-Fi Module

trade name: Inventor

type or model: WFM-H20

relevant supplementary information: N.A.

to which this declaration relates is in conformity with the essential requirements and other relevant requirements of the RE Directive (2014/53/EU).

The product is in conformity with the following standards and/or other normative documents:

HEALTH & SAFETY (Art. 3(1)(a)): EN 62311:2008, EN 62368-1:2014/A11:2017

EMC (Art. 3(1)(b)): EN 301 489-17 V3.2.4 (2020-09), EN 301 489-1 V2.2.3 (2019-11)

SPECTRUM (Art. 3(2)): ETSI EN 300 328 V2.2.2 (2019-07)

OTHER (incl. Art. 3(3) and voluntary specs): N.A.

Limitation of validity (if any): N.A.

Supplementary information: N.A.

Notified body involved: N.A.

Technical file held by: INVENTOR A.G. ELECTRIC APPLIANCES S.A.

Place and date of issue (of this DoC): Athens, Greece / 08 March 2021

Signed by or for the manufacturer:

**INVENTOR A.G. ELECTRIC APPLIANCES S.A.**  
 2, THOUKIDIDOU STR. & 24th KM NATIONAL ROAD  
 ATHENS - LAMIA  
 145 65 AG. STEFANOS - ATHENS - GREECE  
 TEL: +30 211 300 3000 - FAX: +30 211 300 3333  
 VAT No: EL 095554670 - GEMI: 005861001000  
 Website: [www.inventor.ac](http://www.inventor.ac)

Name (in print): Georgia Lazaridou

Title: Product Director



AIR CONDITIONING SYSTEMS

WALL MOUNTED UNIT

V:3.0.072023

Manufacturer: INVENTOR A.G. S.A.

24th km National Road Athens – Lamia & 2 Thoukididou Str., Ag. Stefanos, 14565

Tel.: +30 211 300 3300, Fax: +30 211 300 3333 – [www.inventor.ac](http://www.inventor.ac)

## Documents / Resources

	<p><a href="#">inventor DR2VI Series Wall Mounted Unit Air Conditioning System</a> [pdf] User Manual DR2VI-09WFI-DR2VO-09, DR2VI-12WFI-DR2VO-12, DR2VI32-09WFI-DR2VO32-09, DR2VI32-12WFI-DR2VO32-12, DR2VI32-18WFI-DR2VO32-18, DR2VI32-24WFI-DR2VO32-24, DR2VI Series Wall Mounted Unit Air Conditioning System, DR2VI Series, DR2VI Series Air Conditioning System, Wall Mounted Unit Air Conditioning System, Wall Mounted Unit AC, Air Conditioning System, AC</p>
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## References

- [S heard.at is available for purchase - Sedo.com](#)
- [Κλιματιστικά Inverter WiFi, Ψυγεία, Αφυγραντήρες, Air Conditioners - Inventor](#)
- [Biblioteca media - Inventor](#)
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