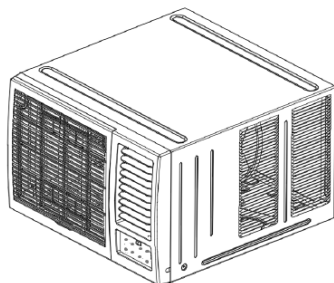


DC INVERTER WINDOW TYPE AIR CONDITIONER

Installation and Owner`s manual

MUVR-12-H10



CONTENTS

Thank you for choosing air conditioner. Our design is based on the best efficiency and the lowest noise operation and it can keep the room comfortable. Please read this operating manual carefully before operating the unit and keep it for consultation.

Structure mechanism and Installation

| | |
|------------------------|---|
| The Refrigerant | 1 |
| Precautions | 2 |
| Installation | 3 |
| Notes for installation | 6 |
| Function | 7 |
| Power requirement | 8 |

Operation procedure

| | |
|---|----|
| Part identification | 9 |
| Air direction adjustment | 9 |
| Remote control operation procedure | 10 |
| Introduction for icons on display screen | 10 |
| Introduction for buttons on remote controller | 11 |
| Remote control panel | 15 |
| Operation Tips | 16 |

Care and maintenance

| | |
|---|----|
| Caution | 17 |
| Care and maintenance | 19 |
| Troubleshooting guide | 20 |
| After service | 21 |
| Safety operation of flammable refrigerant | 22 |

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.



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.

Please read this operating manual carefully before operating the unit.



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 figures in this manual may be different with the material objects, please refer to the material objects for reference.

● 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.)

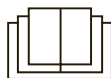
Do not pierce or burn.

Appliance shall be installed, operated and stored in a room with a floor area larger than 4m² .

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.



Precautions

Warning

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.

The air conditioner should be installed in accordance with national wiring regulation.

Air Conditioner should be properly grounded. Incorrect grounding may cause electric shock.

- Do not connect air conditioner to multi-purpose socket. Otherwise, it may cause fire hazard.
- Do install the air switch. If not, it may cause malfunction.
- Do not spill water on the remote controller, otherwise the remote controller may be broken.
- Do not spray water on air conditioner. It may cause electric shock or malfunction.
- Do not extend fingers or objects into air inlet or air outlet. It may cause personal injury or damage.
- Do not step on air conditioner, or put heavy objects. It may cause damage or personal injury.
- Do not block air outlet or air inlet. It may cause malfunction.
- Do disconnect power supply when cleaning air conditioner. Otherwise, it may cause electric shock.
- Do not repair air conditioner by yourself. It may cause electric shock or damage. Please contact dealer when you need to repair air conditioner.
- Maintenance must be performed by qualified professionals. Otherwise, it may cause injury or damage.
- The appliance is not to be used 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.
- Children being supervised not to play with the appliance.

Please install the devices for short-circuit protection and electrical leakage protection when installing the air conditioner.

According to the local safety regulations, use qualified power supply circuit and circuit break.

Working temperature range

| ※ Operating Temperature Range | | |
|-------------------------------|-----------------------|------------------------|
| | Indoor side DB/WB(°C) | Outdoor side DB/WB(°C) |
| Maximum cooling | 32/23 | 43/- |
| Maximum heating | 27/- | 24/18 |

The operating temperature range (outdoor temperature) for cooling only unit is 16°C~ 43°C; for heat pump unit is -7°C~ 43°C.

● Installation

Installation precaution:

Window type conditioner is so valuable and the improper installation of it will cause a lot of damage! Please associate the professional technician to install the unit and don't install it by yourself. Otherwise, we are not responsible for the damage like this.



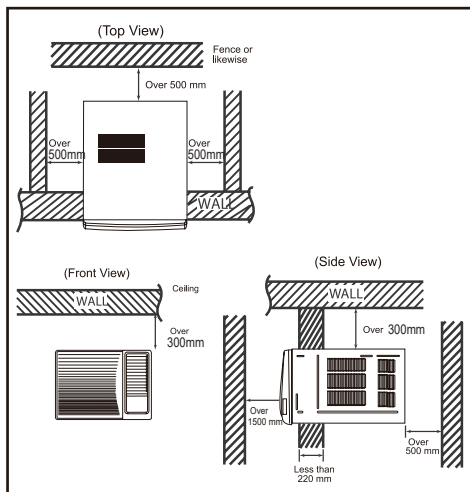
Location:

- The condensation water must be drained away conveniently.
- Install air conditioner unit far away from TV set or radio etc. to avoid disturbing video or voice.
- In salt and coastal area or place where is near thermal springs and polluted by sulphurous gas, or other special areas, please contact the seller before use.
- Avoid a place where is possible for inflammable gas to leak out.
- Avoid other heat sources or direct sun light.
- Avoid a place where is easy for children to touch.
- Don't use the unit in the immediate surroundings of a laundry, a bath, a shower or a swimming pool.
- For window type air conditioner with remote control, install in a location where is strong electromagnetic disturbance, you should contact the seller in advance to avoid the malfunction in use.

How to install:

- Choose a location where there are no any obstacle surrounding the unit, and the plug is accessible.
- Prepare the installation hole slightly bigger than unit size.
- Choose the installation space according to the following diagram.

The distance of obstructions from window unit inside should be upper 300mm, lower 1500mm, left 500mm, right 500mm, front 1500mm.



Installation procedure:

- 1) Remove the sticker from the front panel.
- 2) Put the unit into the installation hole.
 - When installing the unit, it should be slanted down to the back to avoid the enlargement of noise or vibration. (Slant between 6-10mm.) (Shown at right figure.)
 - The installation place should be strong enough to avoid the enlargement of noise or vibration.
- 3) Fill up sews in the cabinet with sponge or foam.

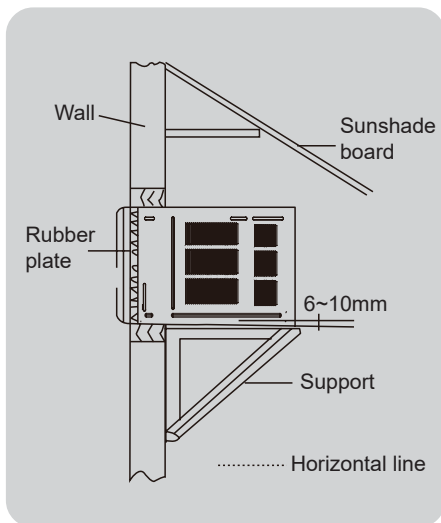
Installation assistance:

• Use iron support

The installation hole should be strong enough to support the air conditioner. If it cannot, iron support has to be used outdoors. Iron support should be fixed on the building (Shown at right figure.)

• Use sunshade board

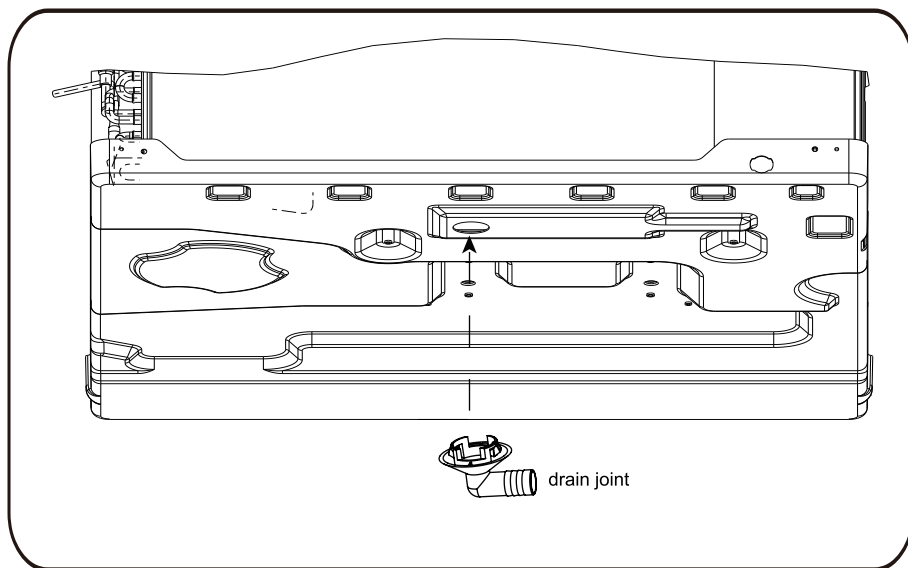
Air conditioner should avoid anything to be dropped into it and avoid direct sunshine. If there is no cover on it, you should contact the seller for installing the sunshade board. When installing the sunshade board, don't let it block the air inlet at the side grille.



Drain water :

Drain joint and drain hose need to be installed before using. Drain hose is not included in the products, you need to purchase it locally to satisfy your particular needs. Use the following procedure to install drain joint and drain hose.

1. Slide out the chassis from the cabinet.
2. Connect the drain joint into the hole on the chassis, as shown in the picture below.
3. Slide the chassis into its original place.

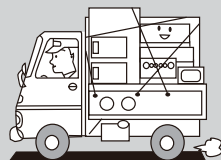


● Notes for installation

Remove

Before removing air conditioner to the other place, you should contact the seller firstly.

Then it must be done under the direction of the professional technician. In addition, the charge of this must be paid.



Noise

- Install in a location where is firm enough to avoid the enlargement of noise and vibration.
- Don't put anything in front of the outlet of the unit to avoid increasing noise.
- Be sure that hot air or noise will not inconvenience neighbors.
- Please contact the seller as soon as there is strange noise during operation.
- Please use the safety support.



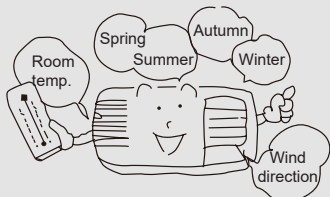
Electric wiring

- Must connect with ground reliably.
- The exclusive circuit must be used. But removable socket can't be used because poor contact of it can cause over heat or fire.
- Don't pull the power cord strongly.
- In fixed circuit, there must be electricity leakage protection switch and leakage current is less than 30mA.
- Connecting method between air conditioners and power cord and interconnecting method of each individual element with one another should accord with wiring diagram on the unit.
- The air conditioner should be installed in accordance with national wiring regulation.
- An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- Air switch (thermal-magnetic breaker) should be installed in the circuit.
- If the supply cord is damaged, it must be replaced by the manufacturer or your dealer or a qualified person to avoid a hazard.
- All the electrical work must be done according to the local wiring regulations.



● **Function**

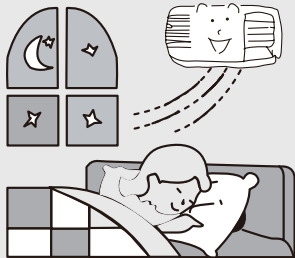
Introduction



Window type room air conditioners can regulate the room temperature and dry the room. It is convenient for your work, study and life. It can be widely used in residence, shop, hotel, office, library and laboratory, and so on.

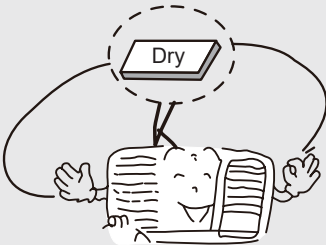
Cooling in summer

In hot summer, Air conditioner can cool down the room air by transferring heat out.



Dehumidifying in rainy or humid season

Without reducing the room temp., air conditioner can dehumidify and make the room air dry and comfortable.



Heating in winter
(Only for heat unit)

In cold winter, Air conditioner can heat up room air.

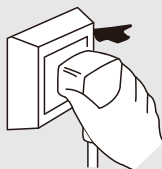


● Power requirement

Rated voltage : 220-240V~ 50Hz



- The electric components will be damaged when the voltage is too high. If the voltage is too low, the compressor will vibrate violently to damage the refrigerant system and easily cause the compressor and electric components not work.



The ground must be connected.



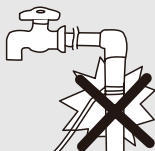
- Special socket must be used. Furthermore, the socket and wiring must conform to the wiring regulations. And the earthing method must be reliable.
- In fixed circuit, there must be electricity leakage protection switch of enough power capacity and air switch with enough space.



Earth wire

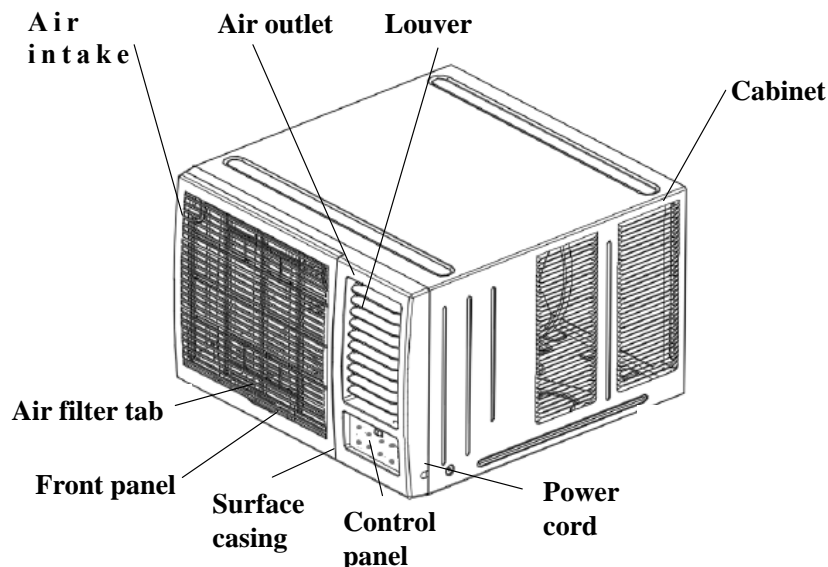
To ensure the reliable earthing, please do not connect earth wire to the following places:

Water pipe



● Part identification

Panel outlook picture, just for reference, please take the real unit as standard.



Air direction adjustment

Vertical airflow direction vane

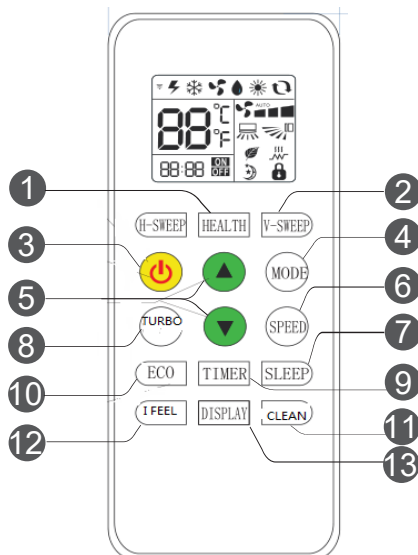
(Airflow direction adjustment up and down).

The vertical airflow direction vane is controlled by positioning the vane to discharge the air upwards, downwards or straight out.



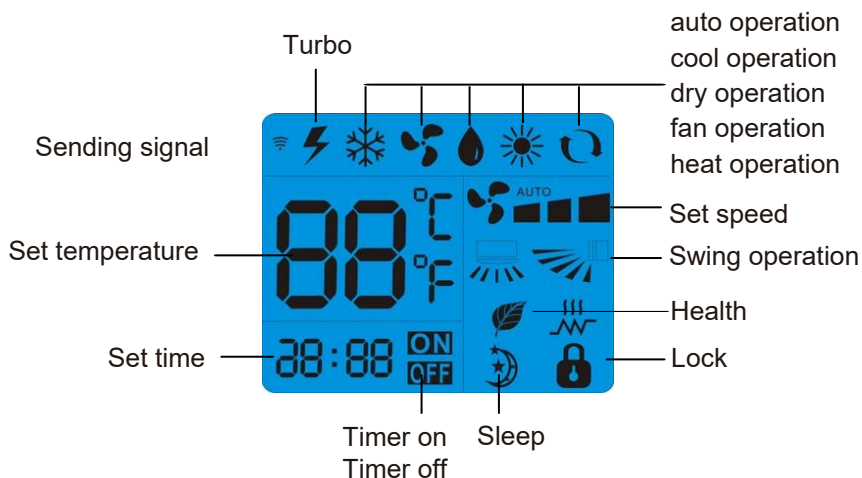
● Remote control operation procedure

Buttons on remote controller



- 1 HEALTH button
- 2 SWING button
- 3 ON/OFF button
- 4 MODE button
- 5 +/- button
- 6 SPEED button
- 7 SLEEP button
- 8 TURBO button
- 9 TIMER button
- 10 ECO button
- 11 CLEAN button
- 12 I FEEL button
- 13 DISPLAY button

Introduction for icons on display screen



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.
- When power is connected(stand by condition), you can operate the air conditioner through the remote controller.
- When unit is on, each time you press the button on remote controller, the sending signal icon "📶" on the display of remote controller will blink once. If the air conditioner gives out a beep sound, it means the signal has been sent.
- When unit is off, set temperature will be displayed on the remote controller (If the light of the unit display is turned on, the corresponding icon will be displayed); When unit is on, it will display the icon of the on-going function.

1 HEALTH button

Press this button to turn on/OFF health function .

Note: This function is not available for this model.

2 SWING button

Press this button to turn on left & right air swing.

3 ON/OFF button

Press this button to turn unit on/off.

4 MODE button

Pressing this button once can select your required mode circularly as below (the corresponding icon "◀" will be lit up after the mode is selected):



- When selecting auto mode, air conditioner will operate automatically according to ambient temperature. Set temperature can't be adjusted and won't be displayed either. Press SPEED button to adjust fan speed.
- When selecting cool mode, air conditioner will operate under cool mode. Then press + or - button to adjust set temperature. Press SPEED button to adjust fan speed.
- When selecting dry mode, air conditioner will operate under dry mode. Then press + or - button to adjust set temperature. Press SPEED button to adjust fan speed.
- When selecting fan mode, air conditioner will operate in fan mode only. Then press SPEED button to adjust fan speed.
- When selecting heat mode, air conditioner will operate under heat mode. Then press + or - button to adjust set temperature. Press SPEED button to adjust fan speed. (Cooling only unit can't receive heating mode signal.)

Introduction for buttons on remote controller

5 + / - button

- Pressing + or - button once will increase or decrease set temperature by 1°F(°C). Hold + or - button for 2s, set temperature on remote controller will change quickly. Release the button after your required set temperature is reached.

6 SPEED button

Pressing this button can select fan speed circularly as: AUTO, SPEED 1 (▲), SPEED 2 (▲▲), SPEED 3 (▲▲▲).

Note:

- Under Auto speed, air conditioner will select proper fan speed automatically according to ambient temperature.

7 SLEEP button

Under Cool, Heat ,Dry mode, press this button to turn on Sleep function. Press this button to cancel Sleep function. Under Fan and Auto mode, this function is unavailable.

8 TURBO button

Under Cool, Heat mode, press this button to turn on Turbo function. Press this button to cancel Turbo function. Under Fan, Dry and Auto mode, this function is unavailable.

9 TIMER button

- When unit is on, press this button to set Timer Off. Press this button to adjust the time for Timer Off. Pressing this button to adjust time by one hour to make 24 hours in cycle.when it reach 24 hours,press this button one more time to be off the timer function.
Hold this button for 2s, set hours on remote controller will change quickly.
- When unit is off, press this button to set Timer On. Press this button to adjust the time for Timer On. Pressing this button to adjust time by one hour to make 24 hours in cycle.when it reach 24 hours,press this button one more time to be off the timer function.
Hold this button for 2s, set hours on remote controller will change quickly.

10 ECO button

Under Cool, Heat mode, press this button to turn on energy saving function. Press this button to cancel energy saving function. Under Fan, Dry and Auto mode, this function is unavailable.

ECO function can not be used with Turbo at the same time.

Introduction for buttons on remote controller

11 CLEAN button

Press this button to turn on self-cleaning technology .

Note: This function is not available for this model.

12 I FEEL button

Press this button to turn on I FEEL function .

Note: This function is not available for this model.

13 DISPLAY button

To start or stop DISPLAY when air conditioner is in RUNNIG.

Remarks:

1. Temperature can be set between 16°C~32°C.
2. The function and display of Heat is not available for cooling-only air conditioner.
3. When there is something wrong with the remote controller, please press 'RESET' button and then operate again.
4. HEAT、AUTO function and display are not available for cooling-only type air conditioner.
5. If user want to make the room air cool or warm quickly, user can press "turbo" button in cooling or heating mode, air conditioner will run in power function. If press "turbo" button again, air conditioner will exit power function.
6. The above illustration of remote controller is only for reference, it may be slightly different from the actual product you selected.

Instruction for remote controller

1.The remote controller uses two AAA batteries under normal condition, the batteries last for about 6 months. Please use two new batteries of similar type (pay attention to the poles in installing).

After replacing the batteries, please use a point object (such as pen tip) to press "Reset" button.

2.When using remote controller, please point the signal emitter towards indoor unit receiver; There should be no obstacle between remote controller and indoor unit.

3.Pressing two buttons simultaneously will result wrong operation.

4.Do not use wireless equipment (such as mobile phone) near indoor unit. If interference occurs

because of this, please switch off the unit, pull out power plug, then plug again and switch on after a while.

5.There is no direct sunlight to the indoor receiver, or it can not receive signal from the remote controller.

6.Don't cast the remote controller.

7.Don't put the remote controller under the sunlight or near the oven.

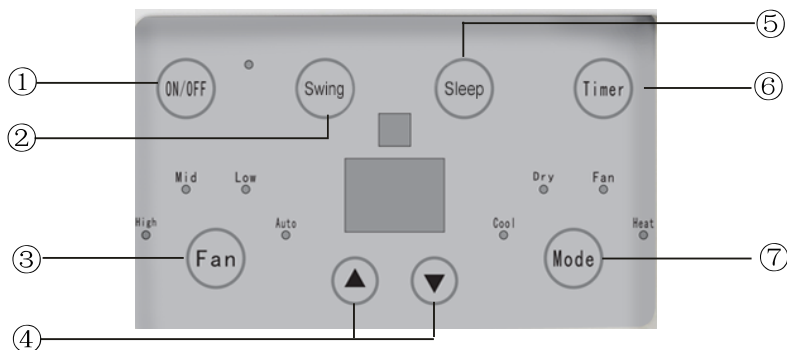
8.Don't sprinkle water or juice on the remote controller, use soft cloth for cleaning if it occurs.

9. The batteries must be removed from the appliance before it is scrapped and that they are disposed of safely.

Remote control panel

Note:

If wireless remote controller is lost, open the surface panel and operate manually.



1 ON/OFF BUTTON
Operation starts when pressing this button, and stops when pressing this button again.

2 SWING BUTTON
Activate the automatic air swing function.

3 FAN SPEED BUTTON
Select the fan speed HIGH, MID, LOW and AUTO in sequence.

4 ▲/▼ BUTTON
Press the ▲ keypad to increase the set (operating) temperature of the unit. and Press the ▼ keypad to decrease the set (operating) temperature of the unit. The temperature setting range is from 16~32℃

5 SLEEP BUTTON

MODE BUTTON
Select the sleep function.

6 TIME BUTTON
Select the time on/off function.

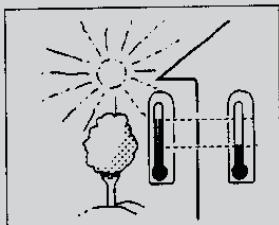
7 MODE BUTTON

MODE BUTTON
Select the operation mode, AUTO, HEAT, COOL, FAN, DRY (for reverse cycle model) or COOL, FAN, DRY (for cooling only model).

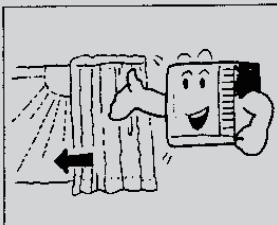
● Operation Tips

Operation for comfort and economy

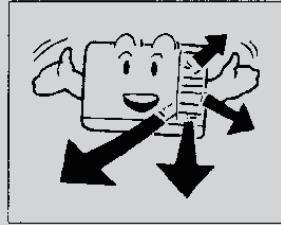
Do not overcool the room temperature. This is not good for health and wastes electricity.



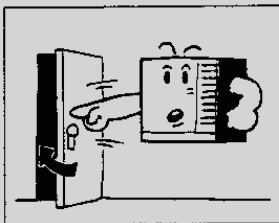
Keep blind or curtains closed. Do not let sunshine enter the room directly when the air conditioner is in operation.



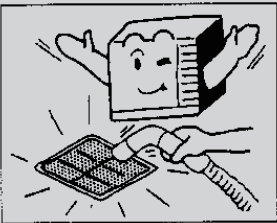
Keep the room temp. uniform. Adjust the vertical and horizontal airflow direction to ensure a uniform temperature in the room. Air can't be discharged to the direction of air-in.



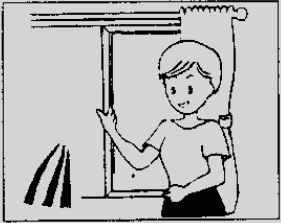
Make sure that the doors and windows are tightly closed. Avoid opening doors and windows as much as possible to keep air conditioning in the room.



Clean the air filter regularly. Blockages in the air filter reduce dehumidifying effects. Clean the air filter at least once every two weeks.



Ventilate the room occasionally. Since windows are kept closed, it is a good idea to open them and ventilate the room now and then. When starting the unit, curtains or windows should be closed to prevent the heat/cool leakage.

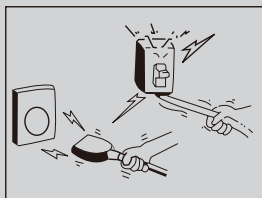


● Caution

Operations for safety and health

- 1) The plug must be accessible after the appliance is positioned.
- 2) Do not use this appliance in the laundry.
- 3) If the power cord is damaged, it must be replaced by the manufacture or its service agent in void of hazard.

- Do not pull out the power cord.
- Damage to the cord may result in serious electric shocks



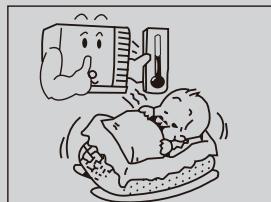
- Do not use the air conditioner for other purposes except for cooling the room.
- Do not use the air conditioner for other purposes such as drying clothes, preserving foods, or cultivating vegetables.



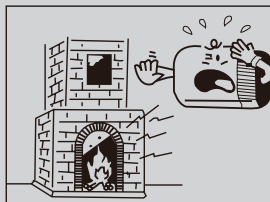
- Do not block the air intake and outlet vents. This causes lowered performance and irregular operation.
- Do not insert sticks or other objects into these vents as it is dangerous to touch the electric components and the fan.



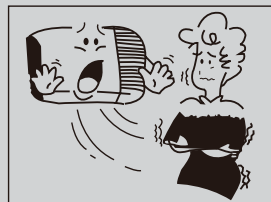
Select the most appropriate temperature. Pay attention to adjust the temperature to suit the conditions. Rooms occupied by infants, the elderly, or the sick should be kept at an appropriate temperature.



Do not use heating apparatuses in the vicinity. The air conditioner's plastic parts will melt if exposed to excessive heat.



Avoid exposing the body directly to a continuous unidirectional air flow for long periods. This is not recommended for health reasons.



Always wait at least 3 minutes before switching the air conditioner on again after you have switched it off during cooling or heating.



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".

Appliance shall be installed, operated and stored in a room with a floor area larger than 4m².

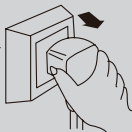
Care and maintenance

Always turn off the air conditioner and main power supply before cleaning to ensure safety.

Cleaning unit

1. Cut power of f before cleaning.

Plug out only after air conditioner stops at all.



2. Use soft cloth when cleaning cabinet. If the cabinet is very dirty, dip cloth into warm water below 40°C, dry the cloth and then rub off the dirt.



Dry the cloth by hands before cleaning.

3. Don't use gas, benzene, solvent, wash, chemical solvent, etc. for cleaning.



4. Do not splash water directly into the unit, in which there are micro-computer and circuit plate, they must not be drenched with water.



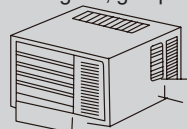
Accident could happen.

Air filter

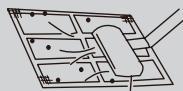
The air filter behind the intake grille should be washed at least once every two weeks or as often as it needs cleaning.

How to clean the air filter:

1. To remove the air intake grille, grasp the tab on the filter and pull to take out.



2. Vacuum the filter on the dusty side to remove light dust.



Vacuum cleaner

3. Wash the filter, cleaner side up under gently flowing water to wash out accumulated dust and lint.



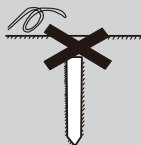
4. If the filter is very dirty, use a mild household detergent in the wash water.



Let the filter dry thoroughly before reinstalling it. If necessary, please ask the professional personnel to clean it.

- * Check earth wire

Is it broken or loose?







- * Check if air inlet and outlet of the unit are blocked or not.

Air lock could result in bad efficiency.



● Troubleshooting guide

Please check the following items before asking for repair, it saves your time and money.

| Fault phenomenon | Trouble-shooting |
|--|---|
| <p>Air conditioner does not operate at all.</p>  | <ul style="list-style-type: none"> • Is there a power failure? • Is the plug out? • Is power fuse or switch off ? • Whether the voltage is too high or too low? |
| <p>Cool or heat efficiency is not good.</p>  | <ul style="list-style-type: none"> • Is air inlet or outlet locking? • Is there any other heat /cool source in room? • Are air filters dirty very much? • Is indoor fan speed set at LOW? • Maybe the room is too hot/cool when the unit is started. |
| <p>Foggy air flows out.</p>  | <ul style="list-style-type: none"> • At COOL mode operation, sometimes there is foggy air flowing out of indoor unit, this is because the room humid air has been cooling rapidly. • The unit is normal while the indoor outlet is sending out some odor, because the inlet air may be mixed with the smell of furniture and smoke. |
| <p>The air conditioner operation is noisy.</p>  | <ul style="list-style-type: none"> • For a noise that sounds like water flowing: This is the sound of freon flowing inside the air conditioner unit. • For a noise that sounds like a shower: This is the sound of the dehumidifying water being processed inside the air conditioner unit. |
| <p>It seems that condensation is leaking from air conditioner.</p> | <ul style="list-style-type: none"> • Condensation occurs when the airflow from the air conditioner cools the warm room air. |
| <p>Air conditioner does not operate for about 3 minutes when restart.</p> | <ul style="list-style-type: none"> • This is to protect the mechanism. • Wait about three minutes and operation will begin. |

| Malfunction code | Solution |
|------------------|---|
| P3 | Means defrosting status. It's the normal phenomenon. |
| E3 | Compressor stalling |
| E7 | PFC protection |
| EA | Capacitor charging fault |
| Eb | DC line voltage drop protection |
| F1 | Indoor ambient temp sensor short/open |
| F2 | Outdoor ambient temp sensor short/open |
| F4 | Outdoor mid-coil temp sensor short/open |
| F5 | Discharge temp sensor short/open |
| F6 | Indoor display communication between indoor and outdoor |
| F9 | IPM protection |
| L1 | Low voltage protection |
| L2 | High voltage protection |
| L3 | Demagnetization protection of compressor |
| L4 | Compressor phase circuit detection error |
| P0 | Compressor phase overcurrent |
| P1 | High discharge temp protection |
| P2 | Over-current protection |
| P4 | Heating overload protection |
| P5 | Anti-freeze protection |
| P6 | Cooling overload protection |
| P9 | IPM overheat protection |

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

Immediately stop all operations and plug out, please contact your dealer in the following situations.

- Operation starts or stops abnormally.
- Power fuse or switch often breaks.
- Carelessly splash water or something into air conditioner.
- Electrical lines are much hot or lines cover breaks.
- Other strange situations.



● After service

- If your air conditioner has the questions of quality or anything else, please contact the service center.

● Safety operation of flammable refrigerant

● Qualification requirement for installation and maintenance man

1. 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.
2. It can only be repaired by the method suggested by the equipment's manufacturer.

● Installation notes

1. 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).
2. 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.
3. Leak test is a must after installation.

table- Minimum room area (m²)

| Minimum room area(m ²) | 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 |
|-------------------------------------|--------------------|------|------|------|-----|------|------|------|------|------|------|------|------|------|-----|
| floor location | / | 14.5 | 16.8 | 19.3 | 22 | 24.8 | 27.8 | 31 | 34.3 | 37.8 | 41.5 | 45.4 | 49.4 | 53.6 | |
| window mounted | / | 5.2 | 6.1 | 7 | 7.9 | 8.9 | 10 | 11.2 | 12.4 | 13.6 | 15 | 16.3 | 17.8 | 19.3 | |
| wall mounted | / | 1.6 | 1.9 | 2.1 | 2.4 | 2.8 | 3.1 | 3.4 | 3.8 | 4.2 | 4.6 | 5 | 5.5 | 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 | 4 | |

● Maintenance notes

1. 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.
2. Check whether the maintenance area is well-ventilated.
- The continuous ventilation status should be kept during the operation process.
3. 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.
4. Check whether the appliance mark is in good condition.
- Replace the vague or damaged warning mark.

● Welding

1. If you should cut or weld the refrigerant system pipes in the process of maintaining, please follow the steps as below
 - a. Shut down the unit and cut power supply
 - b. eliminate the refrigerant
 - c. vacuuming
 - d. clean it with N₂ gas
 - e. cutting or welding
 - f. carry back to the service spot for welding
2. The refrigerant should be recycled into the specialized storage tank.
3. Make sure that there isn't a naked flame near the outlet of the vacuum pump and it's well-ventilated.

● Filling the refrigerant

1. Use the refrigerant filling appliances specialized for R32. Make sure that different kinds of refrigerant won't contaminate with each other.
2. The refrigerant tank should be kept upright at the time of filling refrigerant.
3. Stick the label on the system after filling is finished (or haven't finished)
4. Don't overfilling.
5. After filling is finished, please do the leakage detection before test running; another time of leak detection should be done when it's removed.

● Safety instructions for transportation and storage

1. Please use the flammable gas detector to check before unload and open the container.
2. No fire source and smoking.
3. According to the local rules and laws.

MUNDOCLIMA[®]



www.mundoclima.com

C/ NÁPOLES 249 P1
08013 BARCELONA
SPAIN
(+34) 93 446 27 80