



**AYRTON**

AIR CONDITIONING

**AYM-10P**

---

Local airconditioner

# Content

## Operation Notices

The Refrigerant .....	1
Safety Warning .....	2
Operation Environment .....	3
Part's Name .....	4

## Operation Guide

Operation Introduction for Control Panel .....	5
Use for air conditioner .....	7
Using the remote control .....	8
Buttons on Remote Controller .....	9
Introduction for Icons on Display Screen .....	9
Introduction for Buttons on Remote Controller .....	10
Function Introduction for Combination Buttons .....	13
Operation Guide .....	14
Replacement of Batteries in Remote Controller .....	14

## Maintenance

Clean and Maintenance .....	15
-----------------------------	----

## Malfunction

Malfunction analysis .....	17
----------------------------	----

## Installation Notice

Installation Precaution .....	20
Preparation before Installation .....	21

## Installation

Install Wire Hook .....	22
Removing Collected Water .....	23
Installation in a double-hung sash window(Optional).....	26
Installation in a sliding sash window(Optional).....	29
Installation and Disassembly of Heat Discharge Pipe .....	32

## Attached Sheet

Operation Test .....	35
Electric Schematic Diagram.....	36
Specialist's Manual.....	38

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.

Frequency band(s) in which the radio equipment operates: 2400MHz-2483.5MHz

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



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

## Explanation of Symbols



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



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



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



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



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

## Exception Clauses

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

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



Appliance filled with flammable gas R290.



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



Before install the appliance, read the installation manual first.



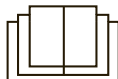
Before repair the appliance, read the service manual first.

## The Refrigerant

- To realize the function of the air conditioner unit, a special refrigerant circulates in the system. The used refrigerant is the fluoride R290, which is specially cleaned. The refrigerant is flammable and inodorous. Furthermore, it can lead to explosion under certain conditions.
- Compared to common refrigerants, R290 is a nonpolluting refrigerant with no harm to the ozonosphere. The influence upon the greenhouse effect is also lower. R290 has got very good thermodynamic features which lead to a really high energy efficiency. The units therefore need a less filling.
- Please refer to the nameplate for the charging quantity of R290.

### WARNING:

- Appliance filled with flammable gas R290.
- Appliance shall be installed, operated and stored in a room with a floor area larger than 15 m<sup>2</sup>.
- 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.)
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Ducts connected to an appliance shall not contain an ignition source.
- Keep any required ventilation openings clear of obstruction.
- Do not pierce or burn.
- Be aware that refrigerants may not contain an odour.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Servicing shall be performed only as recommended by the manufacturer.
- Should repair be necessary, contact your nearest authorized Service Centre. Any repairs carried out by unqualified personnel may be dangerous.
- Compliance with national gas regulations shall be observed.
- Read specialist's manual.



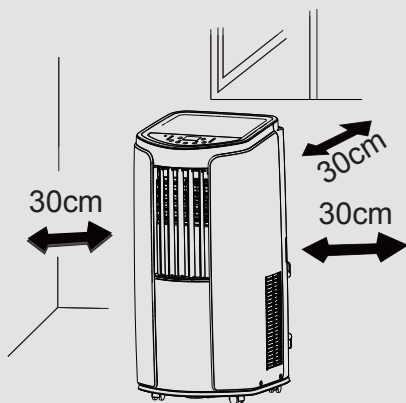


## Safety Warning

- 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. Cleaning and user maintenance shall not be made by children without supervision. Children shall not play with the appliance.
- Before operation, please confirm whether power specification complies with that on nameplate.
- Before cleaning or maintaining the air conditioner, please turn off air conditioner and pull out the power plug.
- Make sure the power cord hasn't been pressed by hard objects.
- Do not pull or drag the power cord to pull out the power plug or move the air conditioner.
- Do not insert or pull out the power plug with wet hands.
- Please use the grounded power. Make sure the grounding is reliable.
- If the supply cord is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid a hazard.
- If abnormal condition occurs (e.g. burned smell), please disconnect power at once and then contact local dealer.
- When nobody is taking care of the unit, please turn it off and remove the power plug or disconnect power.
- Do not splash or pour water on air conditioner. Otherwise, it may cause short circuit or damage to air conditioner.
- If drainage hose is used, ambient temperature can't be lower than 0 °C. Otherwise, it will cause water leakage to air conditioner.
- Prohibit operating heating equipment around the air conditioner.
- Prohibit operating the unit in the bathroom or laundry room.
- Far away from fire source, inflammable and explosive objects.
- Children and disabled people are not allowed to use the unit without supervision.
- Keep children from playing or climbing on the air conditioner.
- Do not put or hang dripping objects above the air conditioner.
- Do not repair or disassemble the air conditioner by yourself.
- Prohibit inserting any objects into the air conditioner.
- Do not through sundries into the air duct. If there are sundries get into the air duct, please contact the professionals to deal with it.
- Do not use an extension cord.

## Operation Environment

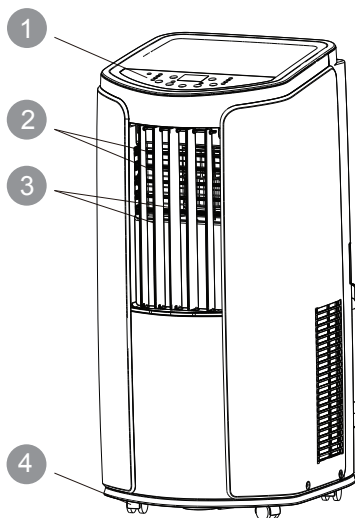
- The air conditioner must be operated within the temperature range: 16°C ~ 35°C.
- The appliance is for indoor use only.
- The appliance must be positioned so that the plug is accessible.
- This air conditioner can only be used for family, not for commercial industry.
- Reserved space around the air conditioner should be 12"(30cm) at least.
- Do not operate the air conditioner at humid environment.
- Please keep air inlet and air outlet clean, no obstacles.
- During operation, close doors and windows to improve cooling effect.
- Please put the air conditioner at smooth and flat ground for operation to avoid noise and vibration.
- This air conditioner is equipped with castors. Castors should slide at smooth and flat ground.
- Prohibit inclining or turning over the air conditioner. If there's abnormality, please disconnect power immediately and contact dealer.
- Avoid direct sunshine.



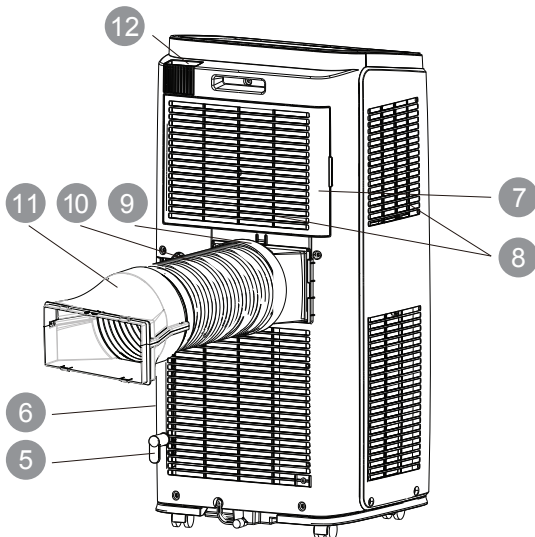
### Note:

Graphics in this manual are only for reference. Please refer to actual products for specific details.

## Part's Name



- 1 Controller panel
- 2 Guide louver
- 3 Swing louver
- 4 Castor
- 5 Wire-fixing hook
- 6 Plug of power cord
- 7 Filter
- 8 Air inlet
- 9 Joint A
- 10 Heat discharge pipe
- 11 Joint B+C
- 12 Remote controller hook



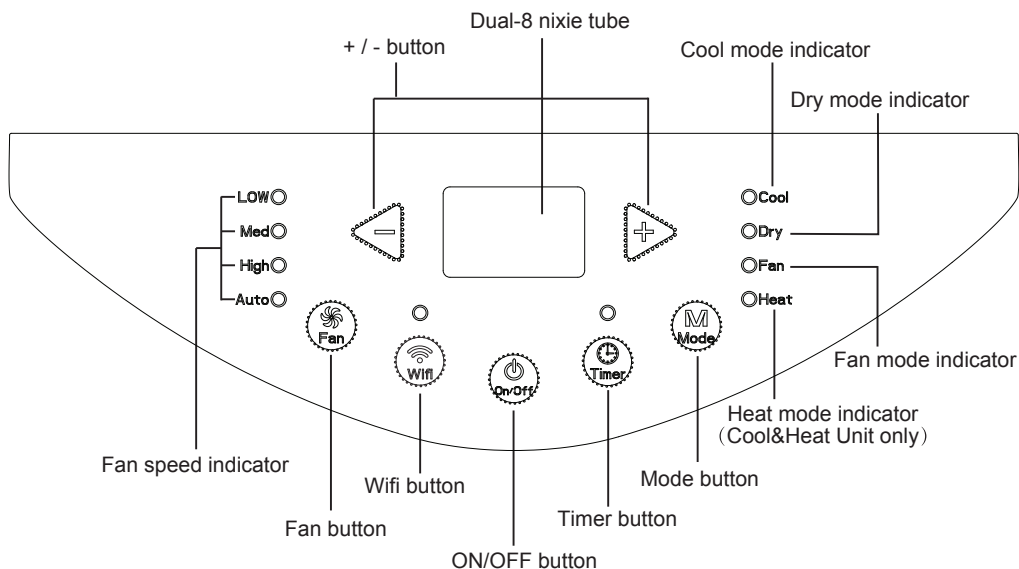
remote controller

### NOTICE:

Installation accessories can't be discarded.

# Operation Introduction for Control Panel

## Name of control panel



## Operation of control panel

### NOTICE:

- After putting through the power, the air conditioner will give out a sound. After that, you can operate the air conditioner by the control panel.
- Under ON status, after each pressing of the button on control panel, the air conditioner will give out a sound. Meanwhile, corresponding indicator on control panel will be bright.
- Under OFF status, dual-8 nixie tube on control panel won't display.  
Under ON status, dual-8 nixie tube on control panel will display set temperature under cooling mode and Heating mode (Cool&Heat Unit only), while it won't display under other modes.

### 1 ON/OFF button

Pressing this button can turn on or turn off the air conditioner.

### 2 + / - button

Under cooling mode, press "+" or "-" button to increase or decrease set temperature by 1°C. Set temperature range is 16°C~30°C. Under auto, drying or fan mode, this button is invalid.

# Operation Introduction for Control Panel

## 3 Mode button

Press this button and the mode will circulate according to below sequence:

Cool→Dry→Fan→Heat(Cool&Heat Unit only)

Cool: Under this mode, cooling mode indicator is bright. Dual-8 nixie tube displays set temperature. Temperature setting range is 16°C~30°C.

Dry: Under this mode, drying mode indicator is bright. Dual-8 nixie tube won't display.

Fan: Under this mode, the air conditioner only blow fan. Fan indicator is bright. Dual-8 nixie tube won't display.

Heat(Cool&Heat Unit only): Under this mode, heating mode indicator is bright. Dual-8 nixie tube displays set temperature. Temperature setting range is 16°C~30°C.

## 4 Fan button

Press this button and the fan speed will circulate as "low speed→ medium speed → high speed→ auto fan→ low speed".

## 5 Timer

Press timer button to enter into timer setting mode. Under this mode, press " + " or " - " button to adjust the timer setting. Timer setting will increase or decrease 0.5 hour by pressing " + " or " - " button within 10 hours, while timer setting will increase or decrease 1 hour by pressing " + " or " - " button beyond 10 hours. After timer setting is finished, the unit will display temperature if there's no operation for 5s. If timer function is started up, the upper indicator will keep the display status. Others, it won't be displayed. Under timer mode, press timer button again to cancel timer mode.

## 6 Wifi button

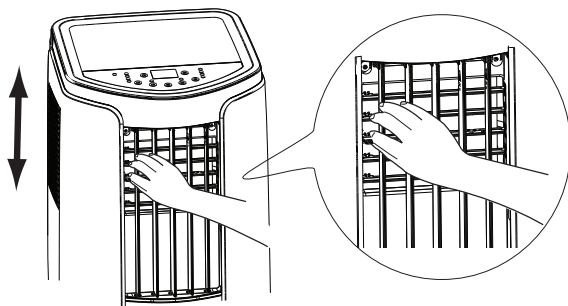
After the unit is powered up, press WIFI button to turn on or off WIFI function. Press and hold the button for 10s to reset WIFI function.

# Use for air conditioner

## To change air flow direction

### 1. Up/down air flow direction

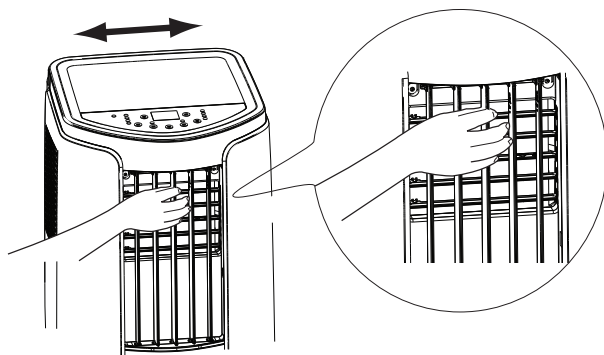
- Hold the horizontal louvers as shown in the diagram and adjust the air flow direction.
- Do not adjust the horizontal louvers to the lowest or the highest position in the COOL or DRY mode with the fan speed set to Low for an extended period of time, Condensation may form on the louvers.



### 2. Left/right air flow direction Hold the vertical louver as shown in the diagram and adjust the air flow direction.

#### ⚠ CAUTION:

- Do not adjust the vertical louvers to the extreme left or right in the COOL or DRY mode with the fan speed set to Low for an extended period of time. Condensation may form on the louvers.



# Using the remote control

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.

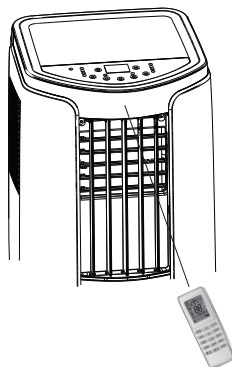
## How to use the remote control

Point the remote control toward the Signal receiver and press the desired button. The unit generates a beep when it receives the signal.

- Make sure nothing, such as curtains, blocks the signal receiver window.
- The signal effective distance is 8m.

### ⚠ CAUTION:

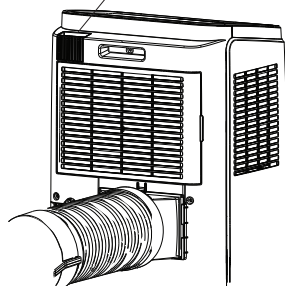
- Do not expose the receiver window to direct sunlight. This may adversely affect its operation.
- Use of certain fluorescent lamp in the same room may interfere with transmission of the signal.
- Do not leave the remote control in direct sunlight or near a heater. Protect the remote control from moisture and shock.



**To prevent the remote control from being misplaced, hook it to the unit when not in use.**

When attached, to remove the remote control from the unit, lift the remote control up slightly and pull it out.

Remote control hook

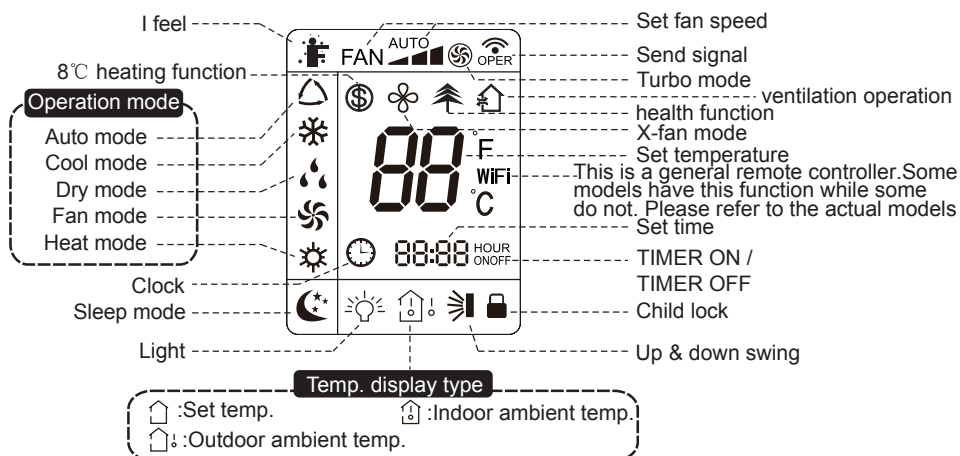


## Buttons on remote controller



- 1 ON/OFF button
- 2 ▲ button
- 3 MODE button
- 4 SWING button
- 5 ▼ button
- 6 FAN button
- 7 TIMER OFF button
- 8 CLOCK button
- 9 TIMER ON button
- 10 SLEEP button
- 11 TEMP button
- 12 TURBO button
- 13 X-FAN | button
- 14 WiFi button
- 15 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.
- After putting through the power, the air conditioner will give out a sound. Operation indicator "⏻" is ON (red indicator, the colour is different for different models). After that, you can operate the air conditioner by using remote controller.
- Under on status, pressing the button on the remote controller, the signal icon "📶" on the display of remote controller will blink once and the air conditioner will give out a "de" sound, which means the signal has been sent to the air conditioner.
- Under off status, set temperature and clock icon will be displayed on the display of remote controller (If timer on, timer off and light functions are set, the corresponding icons will be displayed on the display of remote controller at the same time); Under on status, the display will show the corresponding set function icons.

## 1 ON/OFF button

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

## 2 ▲ button

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

## 3 MODE button

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

AUTO ► COOL ► DRY ► FAN ► HEAT\*



\* Note: Only for models with heating function.

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

## 4 SWING button

Press this button to set up & down swing angle, which circularly changes as below:



This remote controller is universal . If any command , or is sent out, the unit will carry out the command as



indicates the guide louver swings as:

# Introduction for buttons on remote controller



## 5 ▼ button

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

## 6 FAN button

This button is used for setting Fan Speed in the sequence that goes from AUTO, , to , then back to Auto.



 Low speed  Medium speed  High speed

### Note:

- Under AUTO speed, air conditioner will select proper fan speed automatically according to ex-factory setting.
- It's Low fan speed under Dry mode.
- X-FAN function: Hold fan speed button for 2s in COOL or DRY mode, the icon "⊗" is displayed and the indoor fan will continue operation for a few minutes in order to dry the indoor unit even though you have turned off the unit. After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO, FAN or HEAT mode.





This function indicates that moisture on evaporator of indoor unit will be blown after the unit is stopped to avoid mould.

- Having set X-FAN function on: After turning off the unit by pressing ON/OFF button indoor fan will continue running for a few minutes. at low speed. In this period, Hold fan speed button for 2s to stop indoor fan directly.
- Having set X-FAN function off: After turning off the unit by pressing ON/OFF button, the complete unit will be off directly.

## 7 TIMER OFF button




Press this button to initiate the auto-off timer. To cancel the auto-timer program, simply press the button again. TIMER OFF setting is the same as TIMER ON.

## 8 CLOCK button

Press CLOCK button,  blinking. Within 5 seconds, pressing  or  button adjusts the present time. Holding down either button above 2 seconds increases or decreases the time by 1 minute every 0.5 second and then by 10 minutes every 0.5 second. During blinking after setting, press CLOCK button again to confirm the setting, and then  will be constantly displayed.

## 9 TIMER ON button

Press this button to initiate the auto-ON timer. To cancel the auto-timer program, simply press this button again.

After press of this button,  disappears and "ON "blinks. 00:00 is displayed for ON time setting. Within 5 seconds, press  or  button to adjust the time value. Every press of either button changes the time setting by 1 minute. Holding down either button rapidly changes the time setting by 1 minute and then 10 minutes. Within 5 Seconds after setting, press TIMER ON button to confirm.

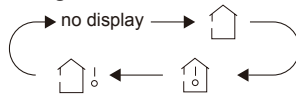
# Introduction for buttons on remote controller

## 10 SLEEP button

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

## 11 TEMP button

Press this button, you can see indoor set temperature, indoor ambient temperature on indoor unit's display. The setting on remote controller is selected circularly as below:



When selecting "🏠" with remote controller or no display, temperature indicator on indoor unit displays set temperature; When selecting "🏠i" with remote controller, temperature indicator on indoor unit displays indoor ambient temperature; 3s later or within 3s it receives other remote controller signal that will return to display the setting temperature. Caution:

- This model hasn't outdoor ambient temperature display function. While remote controller can operate "🏠i" and indoor unit displays set temperature.
- It's defaulted to display set temperature when turning on the unit.
- Only for the models with temperature indicator on indoor unit.

## 12 TURBO button

Press this button to activate / deactivate the Turbo function which enables the unit to reach the preset temperature in the shortest time. In COOL mode, the unit will blow strong cooling air at super high fan speed. In HEAT mode, the unit will blow strong heating air at super high fan speed.

## 13 X-FAN | 🌞 button

X-FAN function: In COOL or DRY mode, the icon 🌞 is displayed and the indoor fan will continue operation for a few minutes in order to dry the indoor unit even though you have turned off the unit. After energization, X-FAN OFF is defaulted. X-FAN is not available in AUTO, FAN or HEAT mode.

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





## 14 WiFi button

Press "WiFi" button to turn on or turn off WiFi function. When WiFi function is turned on, the "WiFi" icon will be displayed on remote controller; Under status of unit off, press "MODE" and "WiFi" buttons simultaneously for 1s, WiFi module will restore to factory default setting.

- The WIFI function is only available for some models.



# Introduction for buttons on remote controller

## 15 button

Press this button to achieve the on and off of healthy and scavenging functions in operation status. Press this button for the first time to start scavenging function; LCD displays "". Press the button for the second time to start healthy and scavenging functions simultaneously; LCD displays "" and "". Press this button for the third time to quit healthy and scavenging functions simultaneously. Press the button for the fourth time to start healthy function; LCD display "". Press this button again to repeat the operation above. (This function is applicable to partial of models)

## Function introduction for combination buttons

### Combination of "▲" and "▼" buttons: About lock

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


### Combination of "MODE" and "▼" buttons: About switch between Fahrenheit and centigrade

At unit OFF, press "MODE" and "▼" buttons simultaneously to switch between °C and °F.



### Combination of "TEMP" and "CLOCK" buttons: About Energy-saving Function

Press "TEMP" and "CLOCK" simultaneously in COOL mode to start energy-saving function. Nixie tube on the remote controller displays "SE". Repeat the operation to quit the function.

### Combination of "TEMP" and "CLOCK" buttons: About 8°C Heating Function

Press "TEMP" and "CLOCK" simultaneously in HEAT mode to start 8°C Heating Function. Nixie tube on the remote controller displays "" and a selected temperature of "8°C". (46°F if Fahrenheit is adopted). Repeat the operation to quit the function.

### I FEEL Function

Press "▲" and "MODE" buttons simultaneously 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 two buttons simultaneously again to close I FEEL function and "" will disappear.

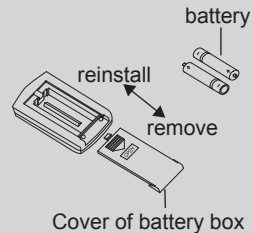
- Please put the remote controller near user when this function is set. Do not put the remote controller near the object of high temperature or low temperature in order to avoid detecting inaccurate ambient temperature. When I FEEL function is turned on, the remote controller should be put within the area where indoor unit can receive the signal sent by the remote controller.

## 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 "SWING" button to select fan blowing angle.

## Replacement of batteries in remote controller

1. Press the back side of remote controller marked with "OPEN", 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.

# Clean and Maintenance

## **WARNING:**

- Before cleaning the air conditioner, please turn off the unit and disconnect power. Otherwise, it may cause electric shock.
- Do not wash air conditioner with water. Otherwise, it may cause electric shock.
- Do not use volatile liquid (such as thinner or gas) to clean the air conditioner. Otherwise, it may damage the appearance of air conditioner.

## Clean outer case and grille

### Clean outer case:

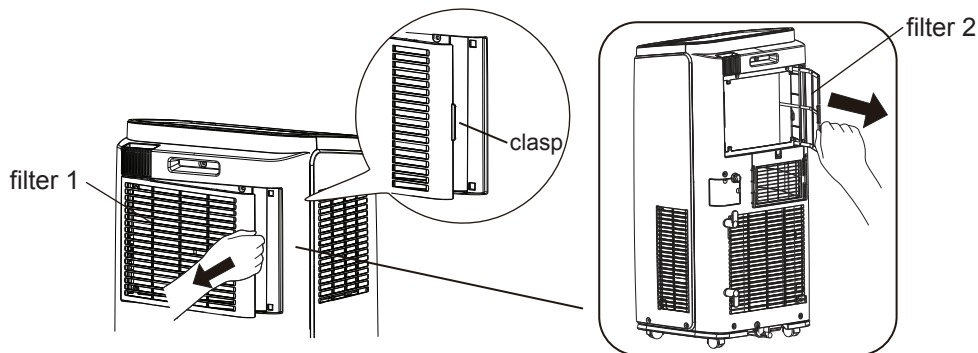
If there's dust on the surface of outer case, please use soft towel to wipe it. If the outer case is very dirty (such as grease), please use neutral abluent to wipe it.

**Clean grille:** Use cleaner or soft brush to clean it.



## Clean filter

1. Remove the filter
  - a. Press the clasp as shown in the fig, and then remove the filter 1;
  - b. Pull out the filter 2.



2. Clean filter

Use cleaner or water to clean the filter. If the filter is very dirty (such as grease), use warm water 40 °C melted with neutral abluent to clean it and then put at shady place to dry it.

3. Install filter

After the filter is cleaned and dried, reinstall it well.



## NOTICE:

- The filter should be cleaned about once every three months. If there's much dust in the operation environment, you can increase clean frequency.
- Do not dry the filter with fire or hair drier. Otherwise, it may be deformed or catch fire.

# Clean and Maintenance

## NOTICE

- The filter should be cleaned about once every three months. If there's much dust in the operation environment, you can increase clean frequency.
- Do not dry the filter with fire or hair drier. Otherwise, it may be deformed or catch fire.

## Clean heat discharge pipe

Remove the heat discharge pipe from air conditioner, clean and dry it , and then reinstall it. (For the method of installation and removal , please refer to the instruction for "Installation and disassembly of heat discharge pipe").

## Checking before use-season

1. Check whether air inlets and air outlets are blocked.
2. Check whether plug and socket are in good condition.
3. Check whether filter is clean.
4. Check whether batteries are installed in remote controller.
5. Check whether joint, window bracket and heat discharge pipe are installed tightly.
6. Check whether heat discharge pipe is damaged.

## Checking after use-season

1. Disconnect power supply.
2. Clean filter and outer case.
3. Remove dust and sundries on the air conditioner.
4. Eliminate accumulated water in chassis (refer to the section of "Drainage way" for details).
5. Check whether window bracket is damaged or not. If yes, please contact dealer.

## Long-time storage

If you don't use the air conditioner for a long time, please maintain it by following steps for good performance:

- Make sure there's no accumulated water in chassis and the heat discharge pipe is disassembled.
- Pull out the plug and wrap the power cord.
- Clean the air conditioner and pack it well to prevent dust.

## Notice for recovery

- Many packing materials are recyclable materials. Please deal with them through local recycle bin.
- If you want to throw away the air conditioner, please contact local division or consultant service center for the correct disposal method.

# Malfunction analysis

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

Phenomenon	Troubleshooting	Solution
Air conditioner can't operate	● Power failure?	● Wait after power recovery.
	● Is plug loose?	● Reinsert the plug.
	● Whether the air switch is tripped off or fuse is burnt?	● Ask professional person to replace air switch or fuse.
	● Is there's malfunction for the circuit?	● Ask professional person to replace circuit.
	● Whether the unit is restarted up after stopping immediately?	● Wait for 3min, and then turn on the unit again.
Poor cooling (heating)	● Is the power too low?	● Wait after voltage is resumed.
	● Whether the air filter is too dirty?	● Clean the air filter.
	● Whether the set temperature is proper?	● Adjust the temperature.
	● Whether door and window are closed?	● Close door and window.
Air conditioner can't receive signal from remote controller or remote controller is not sensible.	● Whether the unit is interfered seriously (such as static pressure, unstable voltage)?	● Please pull out the plug. Insert the plug after about 3min, and then turn on the unit.
	● Whether remote controller is within the receiving range?	● The receiving range of remote controller is 8m. Do not exceed this range.
	● Whether it's blocked by obstacles?	● Remove the obstacles.
	● Is sensitivity of remote controller low?	● Check the batteries of remote controller. If the power is low, please replace the batteries.
	● Whether there's fluorescence lamp in the room?	● Move the remote controller close to air conditioner. ● Turn off the fluorescence lamp and try it again.



# Malfunction analysis

Phenomenon	Troubleshooting	Solution
No air blowed out from air conditioner	<ul style="list-style-type: none"> <li>Whether air outlet or air inlet is blocked?</li> </ul>	<ul style="list-style-type: none"> <li>Eliminate the obstacles.</li> </ul>
	<ul style="list-style-type: none"> <li>Under heating mode, whether indoor temperature ireaches set temperature?</li> </ul>	<ul style="list-style-type: none"> <li>The unit will stop blowing fan after reaching set temperature.</li> </ul>
	<ul style="list-style-type: none"> <li>Whether heating mode is started up just now?</li> </ul>	<ul style="list-style-type: none"> <li>In order to prevent cold air, air conditioner will delay for a while to be started up, which is the normal phenomenon.</li> </ul>
	<ul style="list-style-type: none"> <li>Whether evaporator is defrosted? (observe it by pulling out the filter)</li> </ul>	<ul style="list-style-type: none"> <li>It's the normal phenomenon. Air conditioner is defrosting. After defrosting is finished, it will resume operation.</li> </ul>
Set temperature can't be adjusted.	<ul style="list-style-type: none"> <li>Whether the unit operates under auto mode?</li> </ul>	<ul style="list-style-type: none"> <li>Temperature can't be adjusted under auto mode.</li> </ul>
	<ul style="list-style-type: none"> <li>Whether the required temperature exceeds the temperature setting range?</li> </ul>	<ul style="list-style-type: none"> <li>Temperature setting range: 16°C-30°C .</li> </ul>
There's off flavour	<ul style="list-style-type: none"> <li>There's off-flavour source in the room, such as furniture, cigarette etc.</li> </ul>	<ul style="list-style-type: none"> <li>Eliminate the off-flavour source.</li> <li>Clean the filter.</li> </ul>
There's abnormal sound during operation	<ul style="list-style-type: none"> <li>Whether the unit is interfered by thunder, radio, etc?</li> </ul>	<ul style="list-style-type: none"> <li>Disconnect power, put through the power again, and then turn on the unit again.</li> </ul>
You can heard water-flowing sound	<ul style="list-style-type: none"> <li>Whether the unit is turned on or turned off just now?</li> </ul>	<ul style="list-style-type: none"> <li>There's flowing sound of refrigerant inside the air conditioner, which is the normal phenomenon.</li> </ul>
You can heard the sound of "PAPA"	<ul style="list-style-type: none"> <li>Whether the unit is turned on or turned off just now?</li> </ul>	<ul style="list-style-type: none"> <li>Heat expansion or shrinkage for the panel due to change of temperature, which cause friction sound.</li> </ul>

# Malfunction analysis

## Malfunction code

ERROR CODE	Troubleshooting
F0	Please contact qualified professionals for service.
F1	Please contact qualified professionals for service.
F2	Please contact qualified professionals for service.
F4	Please contact qualified professionals for service.
E8	1. Check if the unit is under high-temperature and high-humidity environment; if ambient temperature is too high, power off the unit and then energize it for operation after the ambient temperature drops to 35°C below. 2. Check if the evaporator and condenser are blocked by some objects; if yes, take away the objects, power off the unit and then energize it for operation. 3. If the malfunction still occur, please contact our after-sales service center.
H3	
H8	1. Pour out the water inside chassis. 2. If "H8" still exists, please contact professional person to maintain the unit.



## WARNING

- If there're following phenomenon, please turn off the air conditioner and disconnect the power immediately, and then contact dealer immediately.
  - Power cord is overheating or damaged.
  - Abnormal sound during operation.
  - Off-flavor.
  - Water leakage
- Do not repair or refit the air conditioner by yourself.
- If operate the air conditioner under abnormal condition, it may cause malfunction, electric shock or fire hazard.

# Installation Precaution



## **WARNING:**

- Observe all governing codes and ordinances.
- Do not use damaged or non-standard power cord.
- Be caution during installation and maintenance. Prohibit incorrect operation to prevent electric shock, casualty and other accidents.

## **Selection of installation location**

### **Basic requirement**

Installing the unit in the following places may cause malfunction. If it is unavoidable, please consult the local dealer:

1. The place with strong heat sources, vapors, flammable or explosive gas, or volatile objects spread in the air.
2. The place with high-frequency devices (such as welding machine, medical equipment).
3. The place near coast area.
4. The place with oil or fumes in the air.
5. The place with sulfureted gas.
6. Other places with special circumstances.
7. It's not allowed to be installed on the unstable or motive base structure (such as truck) or in the corrosive environment (such as chemical factory).

### **Requirement of air conditioner**

1. Air inlet should be far away from obstacles and do not put any objects near air outlet. Otherwise, it will affect the radiation of heat discharge pipe.
2. Select a location where the noise and outflow air emitted by the outddor unit will not affect neighborhood.
3. Please try your best to keep far away from fluorescent lamp.
4. The appliance shall not be installed in the laundry.

## **Requirements for electric connection**

### **Safety precaution**

1. Must follow the electric safety regulations when installing the unit.
2. According to the local safety regulations, use qualified power supply circuit.
3. For appliances with type Y attachment, the instructions shall contain the substance of the following. 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.
4. Properly connect the live wire, neutral wire and grounding wire of power socket.
5. Be sure to cut off the power supply before proceeding any work related to electricity and safety.
6. Do not put through the power before finishing installation.
7. The air conditioner is first class electric appliance. It must be properly grounding with specialized grounding device by a professional. Please make sure it is always grounded effectively, otherwise it may cause electric shock.
8. The yellow-green wire or green wire in air conditioner is grounding wire, which can't be used for other purposes.
9. The grounding resistance should comply with national electric safety regulations.
10. The appliance shall be installed in accordance with national wiring regulations.

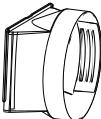
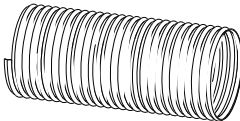
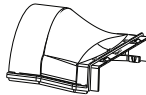
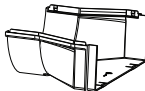
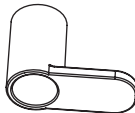




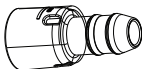




11. To be in compliance with IEC 61000-3-11, impedance value of power-supply system connected to product must be less than or equal to the allowable maximum value of  $|Z_{sys}|$  in the following sheet:

models	max $ Z_{sys} $ unit:ohms
AYM-10P	0.12

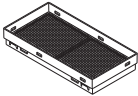

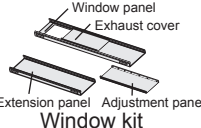




## Preparation before Installation

**NOTICE:** Check if the accessories are available before installation.

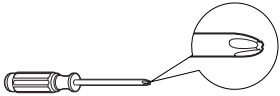

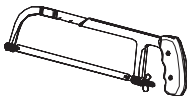
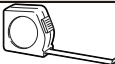


### Accessory list

				
joint A	heat discharge pipe	joint B	joint C	
				
wire hook	screw	pipe clip	rubber plug	pipe hoop
				
Drain connector	drainage pipe	remote control	battery (AAA 1.5V)	user's manual

### Optional (not included)

						
Insect guard net	Rain guard	Window kit	screw	Bracket	sponge A	sponge B

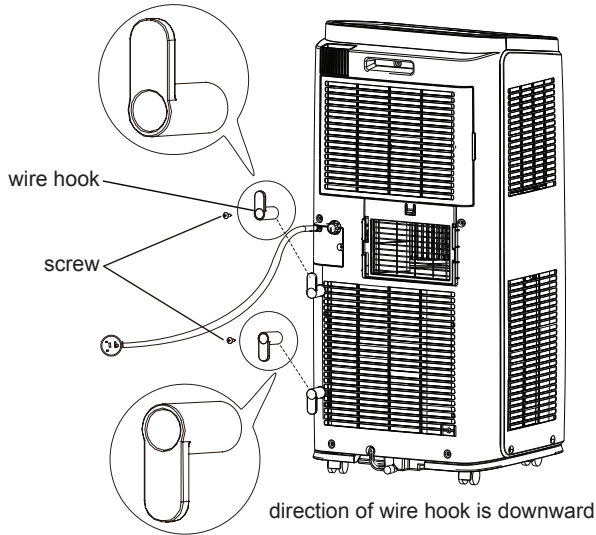
### Tools needed for installation

		
cross screwdriver	straight screwdriver	saw
		
gauge	scissors	pencil

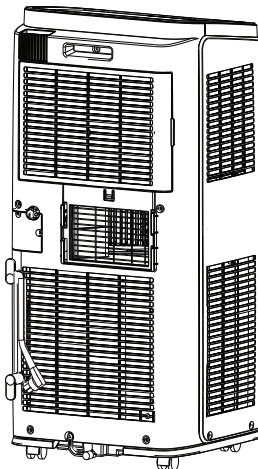
## Install Wire Hook

- Assemble the wire hook at the back of the unit with screws (the direction of wire hook is as shown in following fig).

direction of wire hook is upward



- Wind the power cord around the wire hook.



# Removing Collected Water

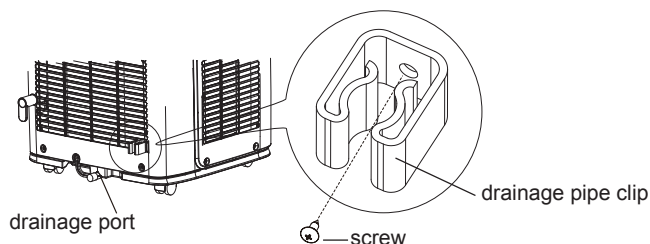
There are 2 ways to remove collected water:

- 1** Use the continuous drainage option from the lower hole.

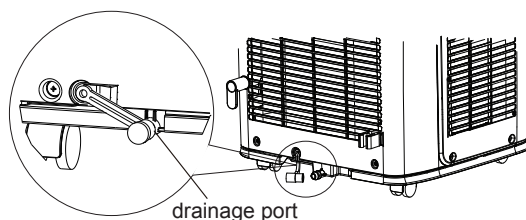
**NOTICE:** When using the continuous drainage option from the bottom hole, install drainage pipe as follow before using, otherwise poor drainage will affect normal operation of the unit.

■ Instructions for drainage pipe installation.

1. Fix the drainage pipe clip on the right of rear side plate near drainage port with a screw.

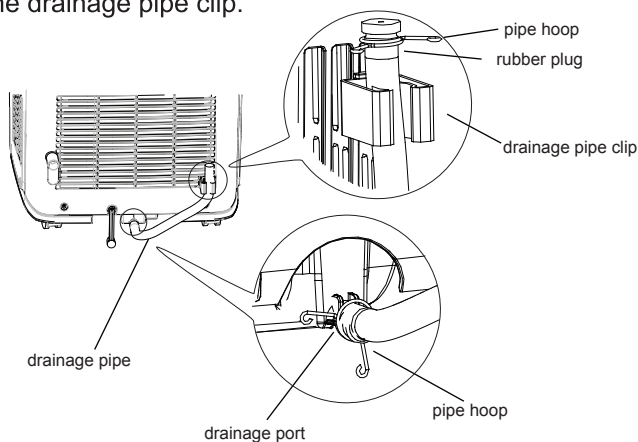


2. Remove the rubber plug at drainage port.



3. Put the drainage pipe into drainage port and screw it up, and then bind it with pipe hoop.

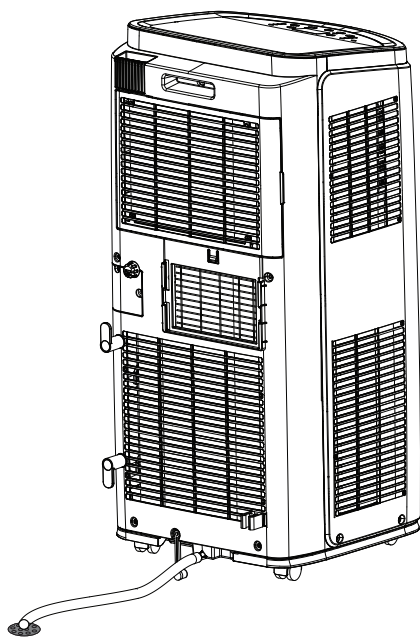
4. Put the rubber plug into the other side of drainage pipe, fix it with pipe hoop and then fix it in the drainage pipe clip.



## Removing Collected Water

■ Drainage way as follows.

1. In Cool, Dry or Heat mode operating, the condensation water will be drained to the chassis.
2. When the chassis is full with water, the buzzer will give out 8 sounds and "H8" is displayed to remind user to discharge water:
  - Move the unit to a suitable place for discharging water; do not tilt the unit and keep it horizontal during moving;
  - Take the drainage pipe from the clip and pull out the rubber plug on the drainage pipe to discharge water;
  - Put back the rubber plug onto drainage pipe after finishing discharging water and then fix the pipe on the clip;
  - After full water protection is eliminated and the compressor has been stopped for 3 minutes, the unit will resume operation.

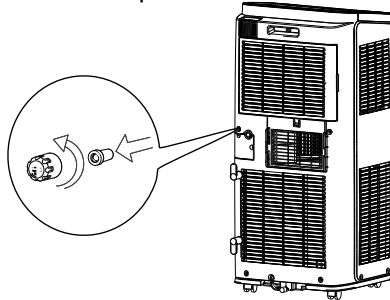


# Removing Collected Water

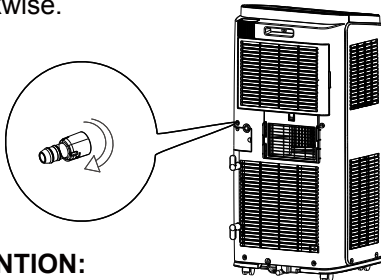
- 2** Use the continuous drainage option from the middle hole.

**NOTICE:** Water can be automatically emptied into a floor drain by attaching 14mm inner diameter hose (not included).

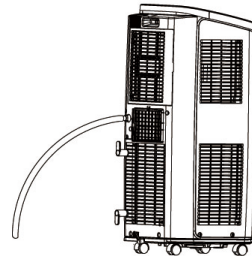
1. Remove the continuous drain cap 1 by turning it counter clockwise then remove the rubber stopper 2 from the spout.



2. Screw the drain connector to (included in the package) the spout by turning clockwise.

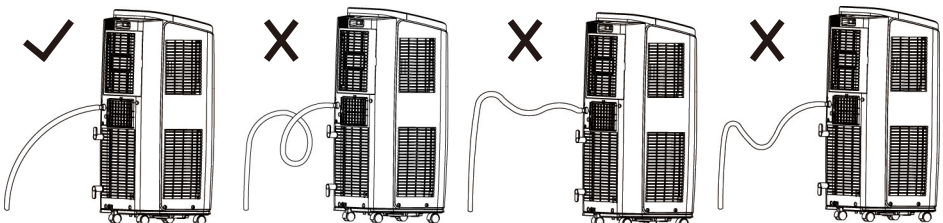


3. Insert the drainage hose into drain connector.



## ATTENTION:

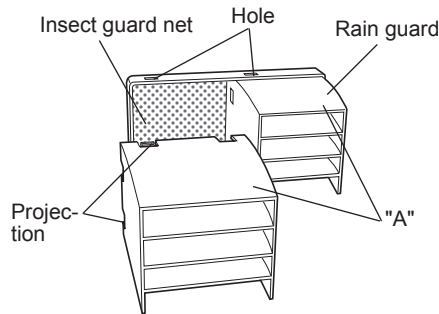
When using continuous drainage option from the middle hole, place portable on a level surface and make sure garden hose is clear of any obstructions and is directed downward. Placing portable on an uneven surface or improper hose installation may result in water filling up the chassis and causing the unit to shut off. Empty water in the chassis if shut off occurs, then check portable location and hose for proper setup.



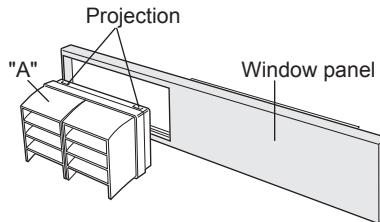


## Installation in a double-hung sash window(Optional)

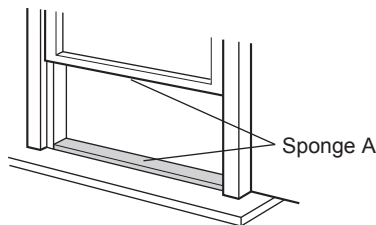
1. Connect the rain guards to the insect guard net.  
Insert all three projections on each rain guard into the holes in the insect guard net.  
Side "A" will now be at the top, as indicated in the diagram.



2. Attach the guard combined above to the window panel.  
Push the insect guard net firmly to ensure that its four projections fit into the holes in the window panel.  
Side "A" will now be at the top, as indicated in the diagram.



3. Cut the sponge A (adhesive type) to the proper length and attach it to the window stool and to the bottom of sash.

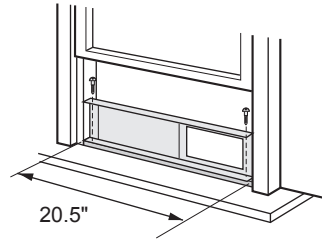
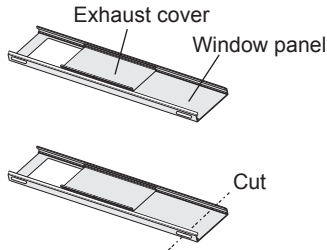


4. Attach the window panel to the window stool.  
Make sure that the exhaust cover is attached to the window panel.  
Inner width of the window:20.5"(520mm)  
Use the window panel.

## Installation in a double-hung sash window(Optional)

The window panel cannot be installed in windows less than 20.5" (520mm) wide, as you will be unable to shut the exhaust cover.

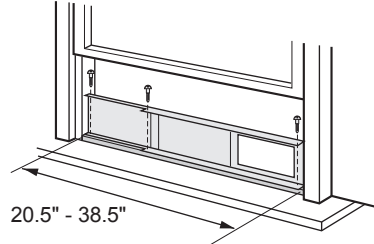
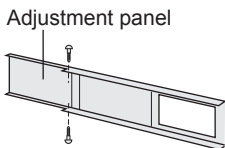
- (1) Open the window sash and place the window panel on the window sill.
- (2) Secure the window panel to the window stool with screws.



Inner width of the window: 20.5" (520mm)- 38.5" (980mm)

Use the window panel and the adjustment panel.

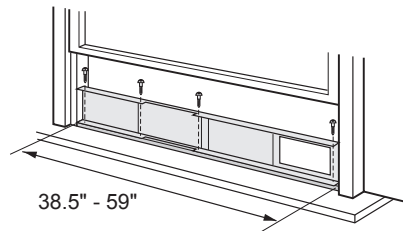
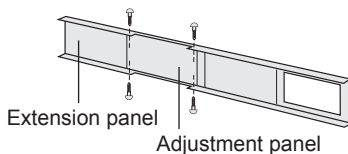
- (1) Open the window sash and place the window panel on the window sill.
- (2) Slide the adjustment panel to fit the window frame width.
- (3) Secure the window panel to the sill with screws.



Inner width of the window: 38.5" (980mm) - 59" (1500mm)

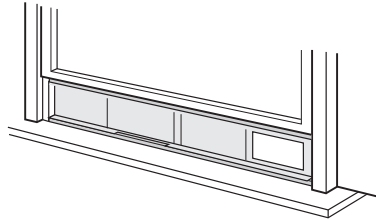
Use the window panel, the adjustment panel and the extension panel.

- (1) Open the window sash and place the window panel on the window sill.
- (2) Slide the adjustment and extension panels to fit the window frame width.
- (3) Secure the window panel to the window sill with screws.

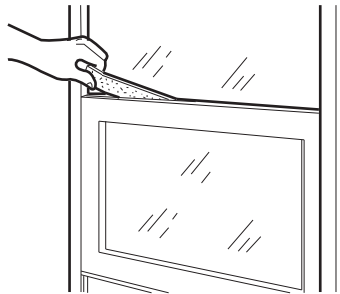


## Installation in a double-hung sash window(Optional)

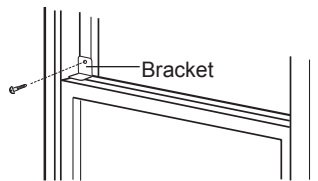
5. Close the window sash securely against the Window panel.



6. Stuff the sponge B between the glass and the window to prevent air and insects from getting into the room.



7. Attach the bracket with a screw.(Recommended)

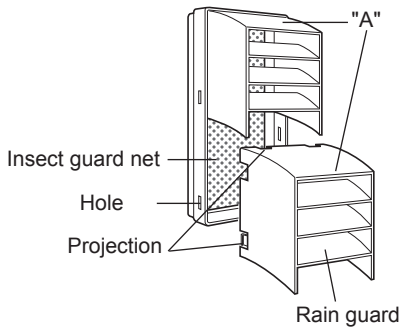


Please lay a tabular material underneath the window panel in case you could not attach the rain guard or the window adapter properly due to the deep window sill.

## Installation in a sliding sash window(Optional)

1. Connect the rain guards to the insect guard net.

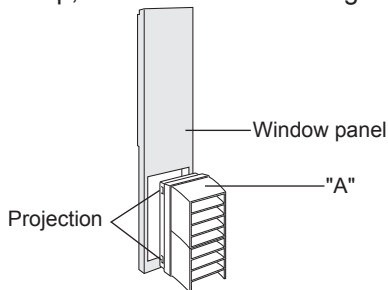
Insert all three projections on each rain guard into the holes in the insect guard net.  
Side "A" will now be at the top, as indicated in the diagram.



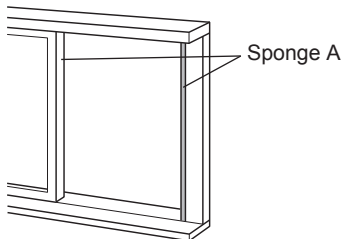
2. Attach the guard combined above to the window panel.

Push the insect guard net firmly to ensure that its four projections fit into the holes in the window panel.

Side "A" will now be at the top, as indicated in the diagram, when it is installed in the window.



3. Cut the sponge A (adhesive type) to the proper length and attach it to the window frame and to the side of sash.



4. Install the window panel into the window frame.

Make sure that the exhaust cover is attached to the window panel.

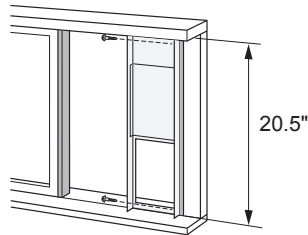
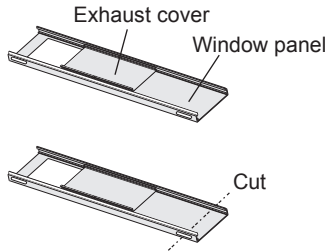
Inner height of the window:20.5"(520mm)

Use the window panel.

## Installation in a sliding sash window(Optional)

The window panel cannot be installed in windows less than 20.5" (520mm) high, as you will be unable to shut the exhaust cover.

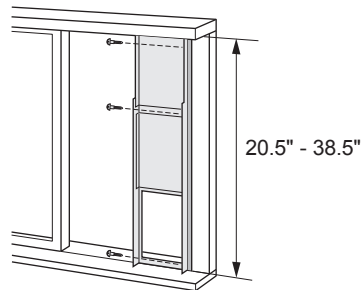
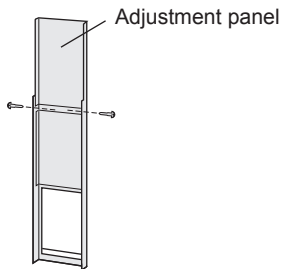
- (1) Open the window sash and place the window panel on the window frame.
- (2) Secure the window panel to the window frame with screws.



Inner height of the window: 20.5" (520mm) - 38.5" (980mm)

Use the window panel and the adjustment panel.

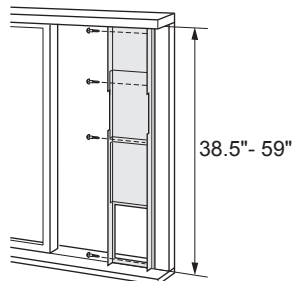
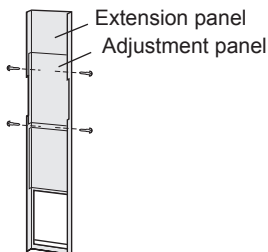
- (1) Open the window sash and place the window panel on the window frame.
- (2) Slide the adjustment panel to fit the window frame height.
- (3) Secure the window panel to the window frame with screws.



Inner height of the window: 38.5" (980mm) - 59" (1500mm)

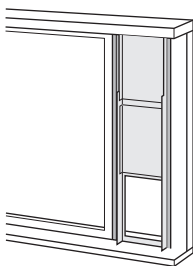
Use the window panel, the adjustment panel and the extension panel.

- (1) Open the window sash and place the window panel on the window frame.
- (2) Slide the adjustment and extension panels to fit the window frame height.
- (3) Secure the window panel to the window frame with screws.

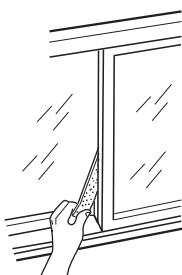


## Installation in a sliding sash window(Optional)

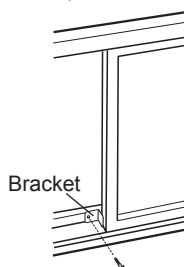
5. Close the window sash securely against the Window panel.



6. Stuff the foam seal B between the glass and the window to prevent air and insects from getting into the room.



7. Attach the bracket with a screw.(Recommended)

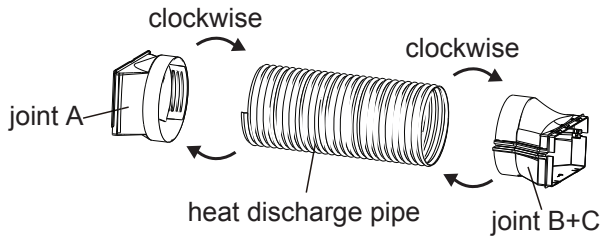


Please lay a tabular material underneath the window panel in case you could not attach the rain guard or the window adapter properly due to the deep window sill.

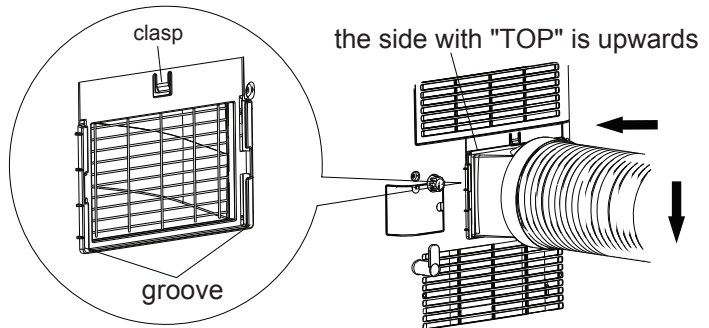
# Installation and Disassembly of Heat Discharge Pipe

## Install heat discharge pipe

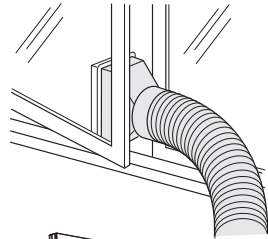
1. Rotate joint A and joint B clockwise into the two ends of heat discharge pipe.



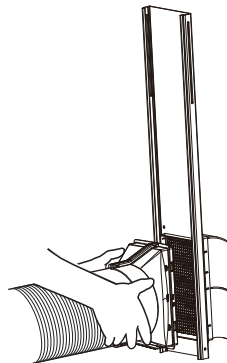
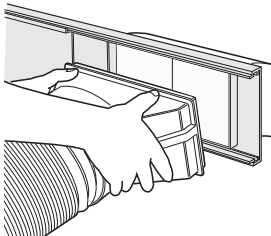
2. Insert joint A of heat discharge pipe (the side with "TOP" is upwards) into the groove until you hear a sound.



3. Lead the exhaust hose outdoors.



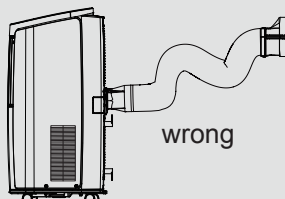
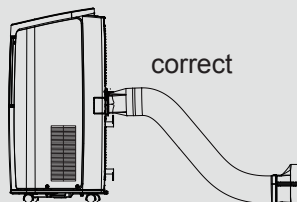
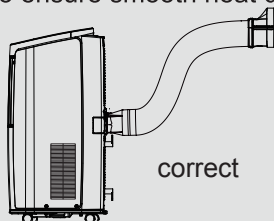
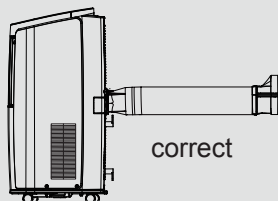
4. Slide and open the exhaust cover on the window panel, and attach the window adapter. (Optional)



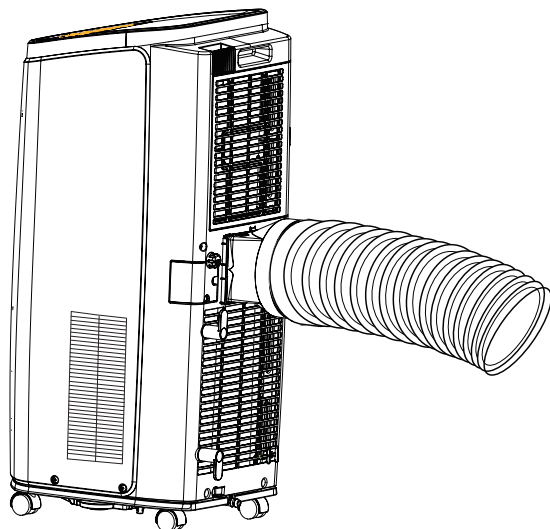
# Installation and Disassembly of Heat Discharge Pipe

## Note of Installing heat discharge pipe

In order to improve cooling efficiency, the heat discharge pipe should be as short as possible and flat without curve to ensure smooth heat discharge.



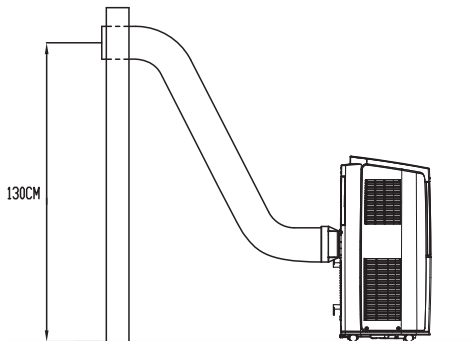
- The length of the heat discharge pipe is less than 1m. It is recommended to use it with shortest length.
- When installing, heat discharge pipe should be as flat as possible. Don't prolong the pipe or connect it with other heat discharge pipe.



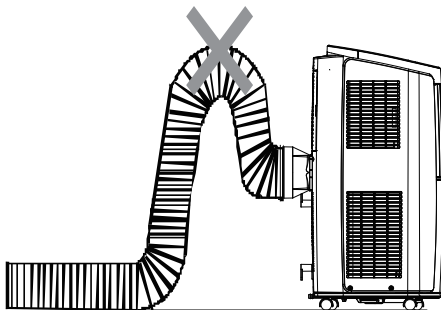


# Installation and Disassembly of Heat Discharge Pipe

- Correct installation is as shown in figure (When installing it on wall, height of hall should not be over 130cm from floor).



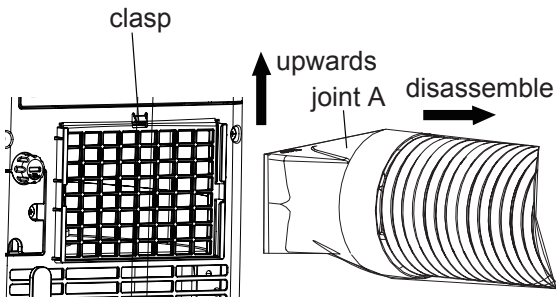
- Wrong installation is shown in following figure (If the pipe is bent too much, it would easily cause malfunction.)



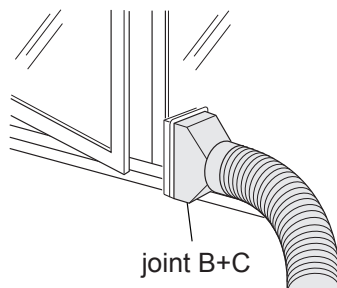
## Disassemble heat discharge pipe

### 1. Remove joint A:

Press the clasp and lift joint A upwards to remove it.

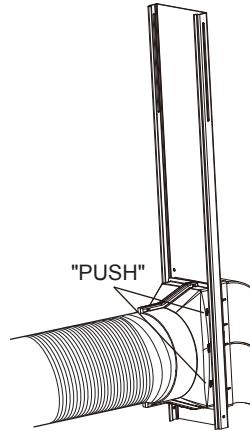
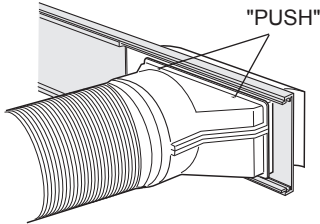


### 2. Remove joint B+C from outdoors.



## Installation and Disassembly of Heat Discharge Pipe

3. Remove the window adapter.  
Pull out and remove the window adapter by pushing down two "PUSH" markings, and slide and close the exhaust cover in the window panel. (Optional)



## Operation Test

- Put through the power supply and then press ON/OFF button on remote controller to start the unit.
- Press mode button to select auto, cooling, drying, fan or heating function, and then check if the unit operates normally.
- If ambient temperature is below 16°C, the unit can't operate in cooling mode.

The Electric schematic diagram are subject to change without notice. Please refer to which one on the unit.

