OWNER'S MANUAL

Thank you for choosing our Air Conditioner. Please read this owner's manual carefully before operating the unit and keep it for future reference.

00724-25/06/2015

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CONTENTS

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.

Do not dispose this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

DANGER	Indicates a hazardous situation that, if not avoided, will result in death or serious injury.
WARNING	Indicates a hazardous situation that, if not avoided, could result in death or serious injury.
CAUTION	Indicates a hazardous situation that, if not avoided, may result in minor or moderate injury.
NOTICE	Indicates important but not hazard-related information, used to indicate risk of property damage.
	Indicates a hazard and it is assigned to the signal words DANGER, WARNING or CAUTION.

WARNING

Operation and Maintenance

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children.
- Do not connect air conditioner to multi-purpose socket. Otherwise, it may cause fire hazard.
- Do disconnect power supply when cleaning air conditioner. Otherwise, it may cause electric shock.
- If the power supply wire is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- Do not wash the air conditioner with water to avoid electric shock.
- Do not spray water on indoor unit. It may cause electric shock or malfunction.
- After removing the filter, do not touch fins to avoid injury.
- Do not use fire or hair dryer to dry the filter to avoid deformation or fire hazard.

WARNING

Operation and Maintenance

- Maintenance must be performed by qualified professionals. Otherwise, it may cause personal injury or damage.
- Do not repair air conditioner by yourself. It may cause electric shock or damage. Please contact dealer when you need to repair air conditioner.
- Do not extend fingers or objects into air inlet or air outlet. It may cause personal injury or damage.
- Do not block air outlet or air inlet. It may cause malfunction.
- Do not spill water on the remote control, otherwise the remote control may no longer operate.
- When below phenomenon occurs, please turn off air conditioner and disconnect power immediately, and then contact the dealer or qualified professionals for service.
    - There's abnormal sound during operation.
    - Circuit break trips off frequently.
    - Air conditioner gives off burning smell.
    - Indoor unit is leaking.
- If the air conditioner operates under abnormal conditions, it may cause malfunction, electric shock or fire hazard.
- When turning on or turning off the unit by emergency operation switch, please press this switch with an insulating object other than metal.
- Do not step on top panel of outdoor unit, or put heavy objects. It may cause damage or personal injury.

WARNING

Attachment

- Installation must be performed by qualified professionals. Otherwise, it may cause personal injury or damage.
- Must follow the electric safety regulations when installing the unit.
- According to the local safety regulations, use qualified power supply circuit and circuit break.
- An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.
- Air Conditioner should be properly grounded. Incorrect grounding may cause electric shock.
- Make sure the power supply matches with the requirement of air conditioner.Unstable power supply or incorrect wiring may cause malfunction of the unit, electric shock or fire hazard.
- Properly connect the live wire, neutral wire and grounding wire.
- Be sure to cut off the power supply before proceeding any work related to electricity and safety.

Precautions

WARNING

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

Precautions

⚠ WARNING

- If you need to relocate the air conditioner to another place, only a qualified person can perform the work. Otherwise, it may cause personal injury or damage.
- Select a location which is out of reach for children and far away from animals or plants.If it is unavoidable, please add a fence around the outdoor unit for safety purpose.
- The indoor unit should be installed close to the wall.
- Instructions for installation and use of this product are provided by the manufacturer.

Working temperature range

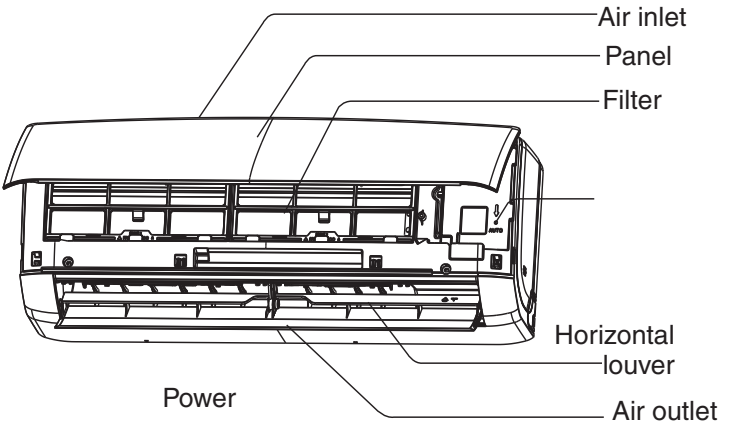
	Indoor side DB/WB(°C)	Outdoor side DB/WB(°C)
Maximum cooling	26.7/19.4	46.1/23.9
Maximum cooling	26.7/-	23.9/18.3

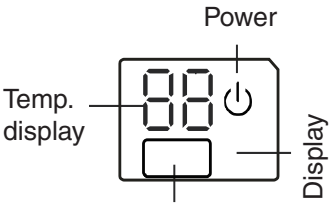
NOTICE :

- The operating temperature range (outdoor temperature) for cooling only unit is -18°C(-0.4°F)~54 (129°F) ; for heat pump unit is -30°C (-22°F)~24°C (75°F).

Parts name

Indoor Unit

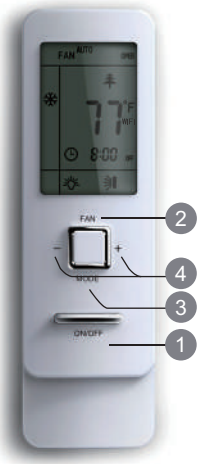




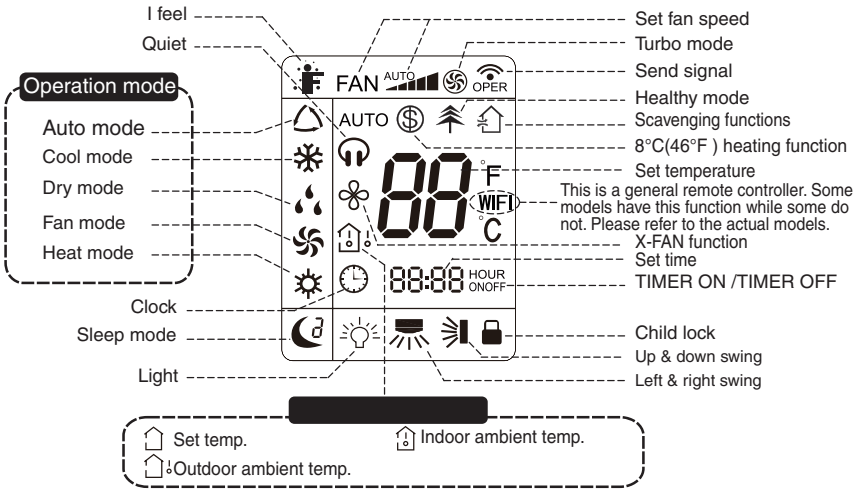
Remote control

NOTICE :

Actual product may be different from above graphics, please refer to actual products.



1. ON/OFF button
2. FAN button
3. MODE button
4. +/- button
5. TURBO button
6. Button
7. Button
8. CLOCK button
9. TIMER ON/ TIMER OFF button
10. TEMP button
11.
12. I FEEL button
13. LIGHT button
14. X-FAN button
15. QUIET button
16. SLEEP button



Introduction for buttons on remote control

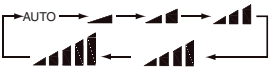
- After putting through the power, the air conditioner will beep. The operation indicator "⏻" is ON (red indicator). After that, you can operate the air conditioner by using the remote control.
- Under ON status, pressing the button on the remote control, the signal icon on the remote control display will blink once and the air conditioner will beep, wich means the signal has been sent to the air conditioner.

1 ON/OFF button ⏻

Press this button, the unit will be turned on, press it once more, the unit will be turned off. Sleep function will be canceled, while unit off.

2 FAN button

Press to select Auto, Low, Medium-low, Medium, Medium-high or High speed. AUTO is the default setting when the unit is first turned on. When the unit is in DRY mode, the only FAN setting available is LOW.



Low fan Medium low fan Medium high fan High fan

3 MODE button

Press to select from the AUTO, COOL, DRY, FAN or HEAT modes. AUTO is the default setting when the unit is first turned on. In AUTO mode, the temperature will not be displayed. In HEAT mode, the initial value is 28°C (82°F). In other modes, the initial value is 25°C (77°F).

Auto Cool Dry Heat

4 **+ / -** button

- Presetting temperature can be increased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the ℃(℉) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent if pressing this button. Temperature of Celsius degree setting: 16-30; for Fahrenheit degree setting: 61-86.

- Presetting temperature can be decreased. Press this button, the temperature can be set up, continuously press this button and hold for two seconds, the relative contents can quickly change, until unhold this button and send the order that the ℃ (℉) signal will be displayed all the time. The temperature adjustment is unavailable under the Auto mode, but the order can be sent by if pressing this button.

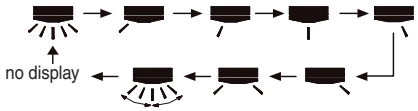
Introduction for buttons on remote control

5 TURBO BUTTON

While running in Cool or Heat mode, press to turn the Turbo function on or off. When the Turbo function is on, the Turbo symbol will be displayed. The symbol will automatically disappear if the mode or fan speed is changed.

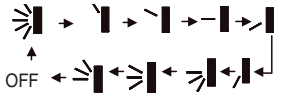
6 BUTTON

Press this button to set swing angle to left and right as shown below:



7 BUTTON

Press this button to set the swing angle, which changes in the sequence below:



This remote control is universal.If it receives three of the following settings, the swing angle will remain in its original position.

If the guide louver is stopped when it is swinging up and down,it will remain its present position.

Indicates that the guide louver can be placed in the five directions,as shown in the figure.

8 CLOCK button

Press to set the "㊐"; the display will flash. After 5 seconds, the value can be adjusted by pressing the + or – button. If the button is held for 2 seconds longer, the minutes will increase by 1 every 0.5 seconds. When the display is flashing, press the "㊐" (clock button) again to accept the setting. When the unit is first turned on, 12:00 is the default time display, and the clock symbol will be shown. When the clock symbol is shown with a time, it is the current time. If the clock symbol is not displayed, it is the timer time.

9 TIMER ON/TIMER OFF button

Setting Timer On: "ON" the clock icon "㊐" will flash on the display, the clock symbol will disappear, and the numerical values will become the Timer On setting. While the display is flashing (for 5 seconds), press + or to adjust the time value, increasing or decreasing the Time On setting by 1 minute. Hold + or down for 2 seconds and the time will change more quickly. The rate of change is: During the initial 2.5 seconds, ten numbers change in the minutes place, then remains constant. The tens place changes by ten every 2.5 seconds. While the display is flashing (5 seconds), press the Timer On button to accept the time set as the Timer setting. Pressing the button once more will cancel the setting. Before setting the Timer, please adjust the Clock to the actual current time.

10 TEMP button

Press this button to select from the setting temperature, indoor ambient temperature and outdoor ambient temperature. When the indoor unit is firstly turned on, it will display the setting temperature "⌂". When the display status shows "⌂", it is the indoor ambient temperature that is displayed. "⌂"displays the outdoor ambient temperature. After five seconds, if no other signal has been sent, the display will show the setting temperature.

Attention:the outdoor ambient temperature range is 0-99°F and 0-60°C. When it goes beyond the range, it keeps the threshold data (the smallest—0 and the largest 99°F or 60°C).
Tip: When using the buttons on the cover, make sure the cover is completely closed.

11 /⌂ TEMP button

Press this button to turn on and off the Healthy and Outdoor Air functions. Press once to start the Outside Air function; the LCD shows "⌂". Press the button again for the Healthy and Outside Air functions to run together; the LCD shows "⌂" and "". Press a third time to turn both functions off. Press the button a fourth time to start the Healthy function; the LCD shows "" . Press the button again to quit the Healthy and Outdoor Air functions.

12 I FEEL button

Press to turn on the I FEEL function. "I FEEL" will be displayed. After any other function button is pressed, every 200 ms to send I FEEL once. Once this function is activated, the remote control will send the room temperature to the main unit every 10 minutes. Press the button again to turn the function off.

13 LIGHT button

Press when the unit is on or off to set the light on or off. When the unit is first turned on, Light On is the default.

14 X-FAN button

When the X-FAN button is pressed while the unit is in the COOL or DRY mode, the symbol " " is displayed and the indoor fan will continue to run for 10 minutes in order to dry the indoor unit, even after the unit is turned off. When turned on for the first time, X-FAN OFF is the default. X-FAN does not work in the AUTO, FAN or HEAT modes.

15 QUIET button

Press to set the Quiet status to Auto Quiet mode ("" and "⌂" symbols are displayed), Quiet mode ("" symbol) or Quiet OFF (no display). When first turned on, Quiet OFF is the default setting. Note: The Quiet function cannot be used when running in the Fan or Dry mode. The fan speed is not available in Quiet mode ("").

16 SLEEP button

Press this button, can select Sleep 1 (), Sleep 2 (), Sleep 3 () and cancel the Sleep, circulate between these, after electrified, Sleep Cancel is defaulted.

- Sleep 1 is Sleep mode 1, in Cool, Dehumidify modes: sleep status after run for one hour, the main unit setting temperature will increase 1°C (1°For 2°F), 2 hours, setting temperature increased 2°C (3°For 4°F), the unit will run at this setting temperature;
  In Heat mode: sleep status after run for one hour, the setting temperature will decrease 1°C (1°For 2°F) , 2 hours, setting temperature will decrease 2°C, then the unit will run at this setting temperature.

Introduction for buttons on remote control

Press this button, can select Sleep 1 (), Sleep 2 (), Sleep 3 () and cancel the Sleep, circulate between these, after electrified, Sleep Cancel is defaulted.

- Sleep 1 is Sleep mode 1, in Cool, Dehumidify modes: sleep status after run for one hour, the main unit setting temperature will increase 1°C (1°For 2°F), 2 hours, setting temperature increased 2°C (3°For 4°F), the unit will run at this setting temperature;
  In Heat mode: sleep status after run for one hour, the setting temperature will decrease 1°C (1°For 2°F) , 2 hours, setting temperature will decrease 2°C, then the unit will run at this setting temperature.
- Sleep 2 is sleep mode 2, that is air conditioner will run according to the presetting a group of sleep temperature curve.

In Cool mode:

(1) When setting the initial temperature 16 °C-23 °C (61 °F -7 4 1') , after turned on Sleep function, the temperature will be increased 1 °C (1 °F or 2°F) in every hour, after 3°C (5°For 61°) the temperaturewill be maintained, after 7 hours, the temperature will be decreased 1°C(1°F or 2°F} , after that the unit will keep on running under this temperature;

(2) When setting the initial temperature 24°C-27°C(75°F- 81°F), after turned on Sleep function,the temperature will be increased 1°C(1°F or 2°F) in every hour, after 2°C (5°F or 6°F) the temperature will be maintained, after 7 hours, the temperature will be decreased 1°C(1°F or 2°F }, after that the unit will keep on running under this temperature;

(3) When setting the initial temperature 28°C-29°C (82°F-85°F), after turned on Sleep function.the temperature will be increased 1°C (1°F or 2°F) in every hour, after 1°C (1°F or 2°F) the temperature will be maintained, after 7 hours, the temperature will be decreased 1°C (1°F or 2°F) , after that the unit will keep on running under this temperature;

(4) When setting the initial temperature 30°C (86°F), under this temperature setting, after 7 hours, the temperature will be decreased 1°C (1°F or 2°F), after that the unit will keep on running under this temperature;

In Heat mode:

(1) Under the initial presetting tempe,rature 16°C (61°F) , it will run under this setting temperature all along.

(2) Under the initial presetting temperature17°C-20°C (62°F -68°F), after Sleep function started up, the temperature will decrease 1°C(1°F or 2°F) in every hour, after 1°C (1°F or 2°F) decreased, this"temperature will be maintained.

(3) Under the initial presetting temperature 21°C-27°C (69°F -81°F) after Sleep function started up, the temperature will decrease 1°F (1°F or 2°F) in every hour, after 2°C (3°F or 4°F) decreased, this temperature will be maintained.

(4) Under the initial presetting temperature 28°C-30°C(82°F-86°F), after Sleep function started up, the temperature will decrease 1°C (1°F or 2°F) in every hour, after 3°C (5°F or 6°F) decreased, this temperature will be maintained.

Utilisation des boutons de la télécommande

• Sleep 3 - the sleep curve setting under Sleep mode by DIY:

(1) Under Sleep 3 mode, press "Turbo" button for a long time, remote controller enters into user individuation sleep setting status, at this time, the time of remote controller will display "1 hour", the setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink (The first entering will display according to the initial curve setting value of original factory);

(2) Adjust"+" and"-" button, could change the corresponding setting temperature, after adjusted, press "Trubo" button for confirmation;

(3) At this time, 1 hour will be automatically increased at the timer postion on the remote controller, (that are "2hours" or "3hours" or "8hours"), the place of setting temperature "88" will display the corresponding temperature of last setting sleep curve and blink;

(4) Repeat the above step (2)-(3) operation, until 8hours temperature setting finished, sleep curve setting finished, at this time, the remote controller will resume the original timer display; temperature display will resume to original setting temperature.

• Sleep3 - the sleep curve setting under Sleep mode by DIV could be inquired: The user could accord to sleep curve setting method to inquire the presetting sleep curve, enter into user individuation sleep setting status, but do not change the temperature, press "Turbo" button directly for confirmation.

Note: In the above presetting or enquiry procedure, if continuously within10s, there is no button pressed, the sleep curve setting status will be automatically quit and resume to display the original displaying. In the presetting or enquiry procedure, press "ON/OFF" button, "Mode" button, "Timer" button or "Sleep" button, the sleep curve setting or enquiry status will quit similarly.

Introduction for special function

About X-FAN function

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

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

About AUTO RUN

When AUTO RUN mode is selected, the setting temperature will not be displayed on the LCD, the unit will be in accordance with the room temp. automatically to select the suitable running method and to make ambient comfortable.

About TURBO function

If start this function, the unit will run at super-high fan speed to cool or heat quickly so that the ambient temp. approachs the preset temp. as soon as possible.

About lock

Press + and - buttons simultaneously to lock or unlock the keyboard. If the remote controller is locked, the icon will be displayed on it, in which case, press any button, the mark will flicker for three times. If the keyboard is unlocked, the mark will disappear.

About swing up and down

1. Press swing up and down button continuously more than 2s, the m ain unit will swing backand forth from up to down , and then loosen the button, the unit will stop swing and present position of guide louver will be kept immediately.
2. Under swing up and down mode, when the status is switched from off to , if press this button again 2s later, status will switch to off status directly; If press this button again within 2s, the change of swing status will also depend on the circulation seque- nce stated above.

About swing left and right

1. Press swing left and right button continuously more than 2s, the main unit will swing back and forth from left to right, and then loosen the button, the unit will stop swing and present position of guide louver will be kept immediately.
2. Under swing left and right mode, when the status is switched from off to if press this button again 2s later, status will switch to off status directly; if press this button again within 2s, the change of swing status will also depend on the circulation sequ- ence stated above.

About switch between Fahrenheit and Centigrade

Under status of unit off, press MODE and - buttons simultaneously to switch °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 fun- ction. Nixie tube on the remote controller displays “SE”. Repeat the operation to quit the function.

Combination of "TEMP" and "CLOCK" buttons: About 8°C(46°F) Heating Function

Press “TEMP” and “CLOCK” simultaneously in HEAT mode to start 8°C 46°F Heating Fun- ction 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.

About auto Quiet function

When quiet function is selected:
1. Under cooling mode: indoor fan operates at notch 4 speed. 10 minutes later or when indoor ambient temperature≤28°C(82°F) , indoor fan will operate at notch 2 speed or quiet mode according to the comparison between indoor ambinet temperature and set temperature.
2. Under heating mode: indoor fan operates at notch 3 speed or quiet mode according to the comparison between indoor ambient temperature and set temperature.
3. Under dry, fan mode: indoor fan operates at quiet mode.
4. Under auto mode: the indoor fan operates at the auto quiet mode according to actual cooling, heating or fan mode.

About Sleep function

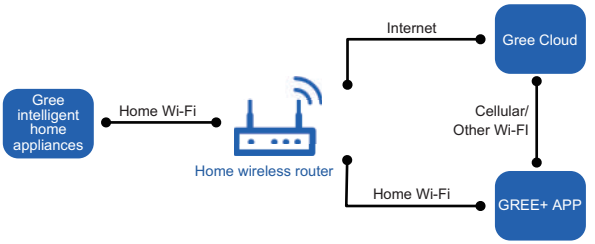
Under the Fan and Auto mode, the Sleep function cannot be set up, under Dehumidify mode, only Sleep 1 can be selected. Select and enter into any kind of Sleep mode, the Quiet function will be attached and stared, different Quiet status could be optional and turned off.

WIFI Function

Press "MODE" and "TURBO" button simultaneously to turn on or turn off WIFI function. When WIFI function is turned on, the "**WIFI**" icon will be displayed on remote controller; Long press "MODE" and "TURBO" buttons simultaneously for 10s, remote controller will send WIFI reset code and then the WIFI function will be turned on. WIFI function is defaulted ON after energization of the remote controller. (This function only applicable for some models.)

GREE+ App Operation Manual

Control Flow Chart



Operating Systems

Requirement for User's smart phone:

iOS system
Support iOS7.0 and above version

Android system
Support Android 4.0 and above version

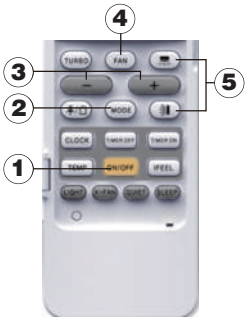
Download and installation

App

GREE+ App Download Linkage

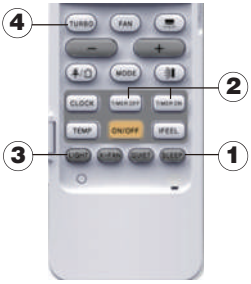
Scan the QR code or search "GREE+" in the application market to download and install it. When "GREE+" App is installed, register the account and add the device to achieve long-distance control and LAN control of Gree smart home appliances.
For more information, please refer to "Help" in App.

Operation guide



General operation

1. After powered on, press ON/OFF button, the unit will start to run. (Note: When it is powered on, the guide louver of main unit will close automatically.)
2. Press MODE button, select desired running mode.
3. Pressing + or - button, to set the desired temperature (It is unnecessary to set the temp. at AUTO mode.)
4. Pressing FAN button, set fan speed, can select AUTO FAN, LOW, MEDIUM-LOW, MEDIUM, MEDIUM-HIGH and HIGH.
5. Pressing and button, to select the swing.

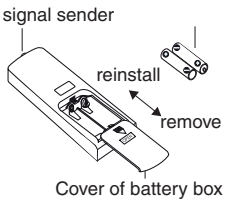


Optional operation

1. Press SLEEP button, to set sleep.
2. Press TIMER ON and TIMER OFF button, can set the scheduled timer on or timer off.
3. Press LIGHT button, to control the on and off of the displaying part of the unit (This function may be not available for some units).
4. Press TURBO button, can realize the ON and OFF of TURBO function.

Replacement of batteries in remote control:

1. Press the back side of remote control marked with"OPEN", as shown in the fig; and then push out the cover of battery box along the arrow direction.
2. Replace the two batteries (AAA - 1.5V); make sure that the batteries are inserted correctly with the polars '+' and '-' in the right position.
3. Reinstall the cover of battery box.

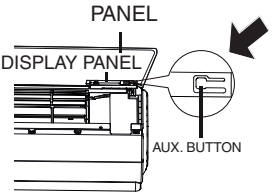


Battery level will be displayed on the remote controller.When " " is flickering, please replace the batteries, otherwise, remote controller can't operate normally.

- During operation, point the remote control signal sender at the receiving window on the 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 control should be close to the indoor unit during operation.
- When replacing the batteries, make sure you use two identical batteries (same brand).
- When you don't use the remote control for a long time, please take out the batteries.
- If the display on the remote control is fuzzy or there's no display, please replace the batteries.

Emergency operation

If the remote control is lost or damaged, please use auxiliary button to turn on or turn off the air conditioner. As shown in the figure, open the panel, press the auxiliary button to turn on or turn off the air conditioner. When the air conditioner is turned on, it will operate under auto mode.



⚠WARNING
Use insulated object to press the auto button

Clean and maintenance

⚠WARNING

- Turn off the air conditioner and disconnect the power before cleaning the unit to avoid electric shock.
- Do not wash the air conditioner with water to avoid electric shock.
- Do not use volatile liquid to clean the air conditioner.

Clean surface of indoor unit

When the surface of indoor unit is dirty, it is recommended to use a soft dry cloth or lightly moistened with water to wipe it.

NOTICE:

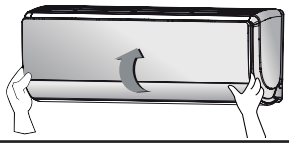
• Do not remove the panel when cleaning it.

Clean and maintenance

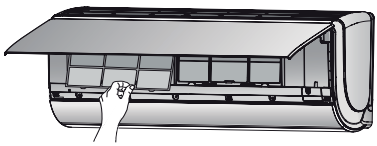
Clean filter

Very Important : before cleaning your main filter, check if there is a special filter attached to it (rectangular shape, as illustrated on the following page – p.20); take it out and clean it separately, where applicable, and as per instructions detailed on page 20. You can then proceed to the cleaning of your main filter. Before replacing your main filter in the unit, do not forget to reinsert the special filter onto the main filter.

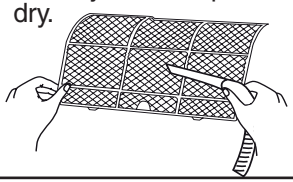
1 **Open panel**
Open the panel into a certain angle(less than 60°, do not force the panel) along the arrow direction from the two sides of panel.



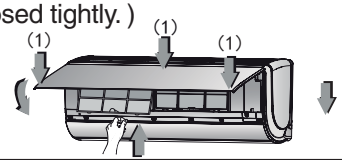
2 **Remove filter**
Remove the filter as indicated.



3 **Clean filter**
- Use a vacuum or water to clean the filter.
- When the filter is very dirty, use water (below 45 °c) to clean it, and then put it in a shady and cool place to dry.



4 **Install filter**
Install the filter and then close the panel cover tightly.(Press the arrow (1) position to make sure it is closed tightly.)

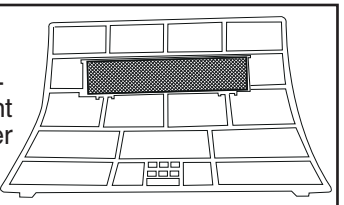


⚠WARNING

- The filter should be cleaned every three months. If the unit operates in a highly dusty environment, clean frequency should be increased.
- After removing the filter, do not touch fins to avoid injury.
- Do not use fire or hair dryer to dry the filter to avoid deformation or fire hazard.

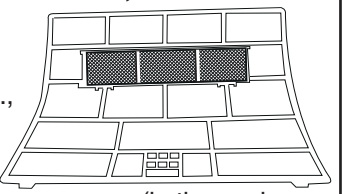
Some models are provided with :

(1) A Bio-Sterilization with Cold Catalyst Filter:
a new purified material with superior bio-bactericide properties; it is a high efficient bacteria sterilizer and dust collector. Filter Life Span: filter needs to be replaced every 6 to 12 months.



IMPORTANT: wash this filter simply by rinsing it with clear lukewarm water **(no soap, no brush)** and dry airing it (**do not wipe**, nor use an hair dryer or other heat source to dry it)

(2) A Multi-function filter (combination of Silver Ion, Catechin and Antimites properties):
this multi-function filter can



(i) sterilize 99% of bacteria by suppressing proliferation of mold, bacteria, mites, etc., inhibiting the causes of allergies and unpleasant odors;
(ii) the catechin filter, made with green tea, can eliminate up to 95% of carcinogenic exogenous (in the environment) agents, harmful for health.
Filter Life Span: filter needs to be replaced when it turns black or green.
IMPORTANT: this filter is **NON WASHABLE** nor can it be cleaned; replace it when due.

Clean and maintenance

1. Check that air inlets and air outlets are not blocked.
2. Check if circuit breaker and connection, are in good condition.
3. Check that filters are clean.
4. Check that drainage pipe is not damaged.

1. Disconnect power supply.
2. Clean filters and indoor unit's panel.

Notice for recovery

1. Many packing materials are recyclable.
Please dispose of them in appropriate recycling bin.
2. If you want to get rid of the air conditioner, please contact your dealer or your local recycling service center for the correct disposal method.

Malfunction analysis

General analysis

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

Problem	Check items	Solution
Indoor unit can't receive remote control signal or remote control has no power.	Whether it's interfered severely (such as static electricity,stable voltage)?	Cut the power supply off and put the power back after about 3min, and then turn on the unit again.
	Whether remote control is within the signal receiving range?	Signal receiving range is 8m.
	Whether there are obstacles?	Remove obstacles.
	Whether remote control is pointing at the receiving window?	Select proper angle and point the remote control at the receiving window on indoor unit.
	Is the remote control display fuzzy or there is no display at all ?	Check the batteries. If the battery charge level is too low, please replace them.
	No display when operating the remote control?	Check whether remote control appears to be damaged. If yes, replace it.
	Fluorescent lamp in the room?	Bring the remote control close to the indoor unit. Turn off the fluoresent lamp and then try it again.
No air flow from indoor unit	Are air inlet or air outlet of indoor unit blocked?	Eliminate obstacles.
	Under heating mode, indoor temperature reached set temperature?	After reaching set temperature, indoor unit will stop blowing out air.
	Has the heating mode been just turned on ?	In heating mode, in order to prevent blowing out cold air, indoor unit will start several minutes after the unit has been turned on, which is normal.

Malfunction analysis

Problem	Check items	Solution
Air conditioner can't operate	Power failure?	Wait until power resumes.
	Air switch trips off ?	Ask professional to replace air switch.
	Wiring has malfunction?	Ask professional to replace it.
	Has the unit been turned on immediately after being stopped ?	Wait for 3min, and then turn on the unit again.
	Is the function setting on remote control correct ?	Reset the function.
Mist is emitted from indoor unit's air outlet	Are indoor temperature and humidity level high ?	This is because indoor air is cooled rapidly. After a while, indoor temperature and humidity level will decrease and mist will disappear.
Set temperature can't be adjusted	Unit is operating under auto mode?	Temperature can't be adjusted under auto mode. Please switch the operation mode if you need to adjust temperature.
	Your required temperature exceeds the set temperature range?	Set temperature range: 15°C -3o °C .
Air cooling (heating) is not efficient	Voltage is too low?	Wait until the voltage resumes to normal.
	Filter is dirty?	Clean the filter.
	Set temperature is in proper range?	Adjust temperature to proper range.
	Doors and windows are open?	Close doors and windows.

Malfunction analysis

Problem	Check items	Solution
Odours are emitted	Either there is an odour source in the room, such as furniture or cigarette, or the filter is dirty.	Eliminate the source of the odour. Clean the filter.
Air conditio-ner suddenly turns on and operates normally	There may be interference, such as thunder, wireless devices, etc.	Cut the power supply off and put the power back and then turn on the unit again.
Outdoor unit emits vapor	Heating mode is turned on?	During defrosting under heating mode, it may produce vapor, which is a normal.
Water flowing noise	Has the air conditioner just been turned on and off ?	The noise is the sound of refrigerant flowing inside the unit, which is a normal.
Craking noise	Has the air conditioner just been turned on and off ?	This is the sound of friction caused by expansion and/or contraction of panel or other parts due to the change of temperature.

Malfunction analysis

Error code

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

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

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

⚠WARNING

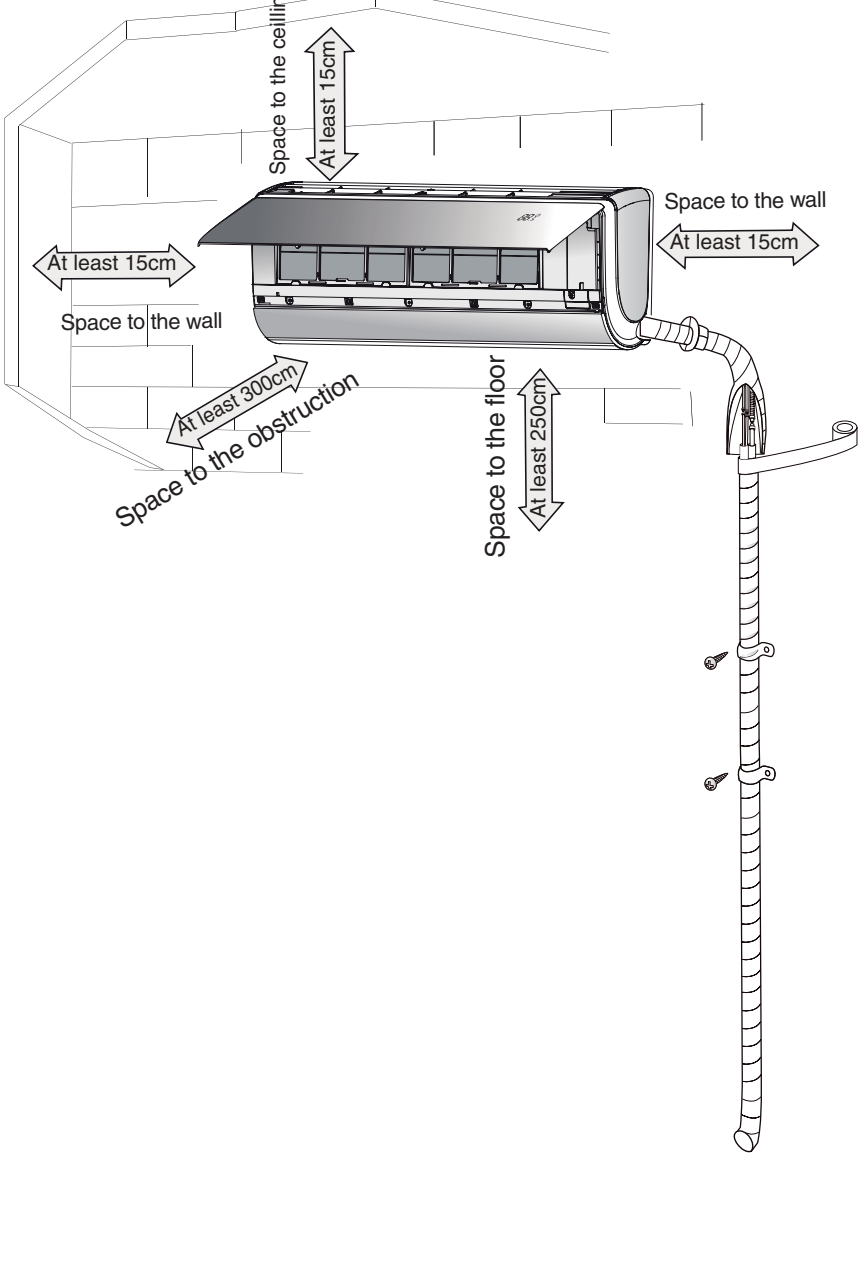
When situations below happen, please turn off the air conditioner and disconnect power immediately, then contact the dealer or qualified professionals for service:

- There is an unusual sound during operation.
- Air switch trips off frequently.
- Air conditioner generates a burning smell.
- Indoor unit is leaking.

ATTENTION:

- Do not repair or refit the air conditioner by yourself.
- If the air conditioner operates under abnormal conditions, it may damage the unit, or cause electric shock or fire hazard.

Installation dimension diagram



Safety precautions for installing and relocating the unit

To ensure safety, please be mindful of the following precautions.

⚠WARNING

- **When installing or relocating the unit, be sure to keep the refrigerant circuit free from air or substances other than the specified refrigerant.**
  Any presence of air or other foreign substance in the refrigerant circuit will cause system pressure rise or compressor rupture, resulting in injury.
- **When installing or moving this unit, do not charge the refrigerant which is not comply with that on the nameplate or unqualified refrigerant.**
  Otherwise, it may cause abnormal operation, wrong action, mechanical malfunction or even series safety accident.
- **When refrigerant needs to be recovered during relocating or repairing the unit, be sure that the unit is running in cooling mode.Then, fully close the valve at high pressure side (liquid valve).About 30-40 seconds later, fully close the valve at low pressure side (gas valve), immediately stop the unit and disconnect power. Please note that the time for refrigerant recovery should not exceed 1 minute.**
  If refrigerant recovery takes too much time, air may be sucked in and cause pressure rise or compressor rupture, resulting in injury.
- **During refrigerant recovery, make sure that liquid valve and gas valve are fully closed and power is disconnected before detaching the connection pipe.**
  If compressor starts running when stop valve is open and connection pipe is not yet connected, air will be sucked in and cause pressure rise or compressor rupture, resulting in injury.
  When installing the unit, make sure that connection pipe is securely connected before the compressor starts running.
  If compressor starts running when stop valve is open and connection pipe is not yet connected, air will be sucked in and cause pressure rise or compressor rupture, resulting in injury.
- **Prohibit installing the unit at the place where there may be leaked corrosive gas or flammable gas.**
  If there leaked gas around the unit, it may cause explosion and other accidents.
- **Do not use extension cords for electrical connections. If the electric wire is not long enough, please contact a local service center authorized and ask for a proper electric wire.**
  Poor connections may lead to electric shock or fire.
- **Use the specified types of wires for electrical connections between the indoor and outdoor units. Firmly clamp the wires so that their terminals receive no external stresses.**
  Electric wires with insufficient capacity, wrong wire connections and insecure wire terminals may cause electric shock or fire.

Tools for installation

1 Level meter	2 Screw driver	3 Impact drill
4 Drill head	5 Pipe expander	6 Torque wrench
7 Open-end wrench	8 Pipe cutter	9 Leakage detector
10 Vacuum pump	11 Manometer	12 Universal meter
13 Inner hexagon spanner		14 Measuring tape

Note:

- Contact your local agent or a certified technician for installation.

Selection of installation location

Basic requirement

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

1. A place with strong heat sources, vapors, flammable or explosive gas, or volatile objects spread in the air.
2. A place with high-frequency devices (such as welding machine, medical equipment).
3. A place near coast area.
4. A place with oil or fumes in the air.
5. A place with sulphurous gas.
6. 0ther places with special environment.
7. The appliance cannot be installed in a laundry.

Indoor unit

1. There should be no obstruction near air inlet and air outlet.
2. Select a location where the condensation water can be dispersed easily and won't affect people.
3. Select a location which is convenient to connect the outdoor unit and the closest possible to the power supply.
4. Select a location which is out of reach for children.
5. The location should be able to withstand the weight of indoor unit and won't increase noise and vibration.
6. The appliance must be installed 2.5m above floor.
7. Don't install the indoor unit right above an electric appliance.
8. Please try your best to keep the unit away from fluorescent lamps.

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 and air switch.
3. Make sure the power supply matches with the requirement of air conditioner. Unstable power supply or incorrect wiring may cause mal function and damage the unit.
4. Properly connect the live wire, neutral wire and grounding wire
5. To work safely, be sure to cut off the power supply before proceeding any work related to electricity.
6. Do not put through the power before finishing installation.
7. The temperature of refrigerant circuit will be high, please keep the interconnection cable away from the copper tube.
8. The appliance shall be installed in accordance with national wiring regulations.

Grounding requirement

1. The air conditioner is a first class electric appliance. It must be properly grounded with specialized grounding device by a professional. Please make sure it is always grounded effectively, otherwise it may cause electric shock.
2. The yellow-green wire in air conditioner is the grounding wire, which can't be used for other purposes.
3. The grounding resistance should comply with national electric safety regulations.
4. An all-pole disconnection switch having a contact separation of at least 3mm in all poles should be connected in fixed wiring.

Installation of indoor unit

Step One: choosing installation location

Recommend the installation location to the client and then confirm it with the client.

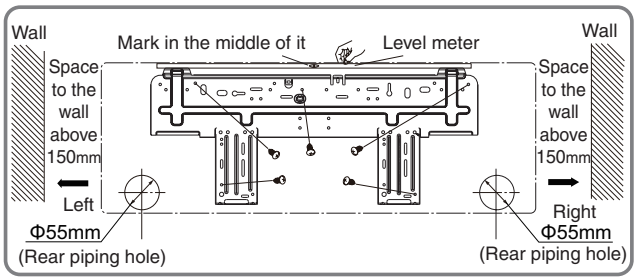
Step Two: install wall-mounting frame

1. Hang the wall-mounting frame on the wall; adjust it in horizontal position with the level meter and then point out the screw fixing holes on the wall.
2. Drill the screw fixing holes on the wall with the impact drill (the specification of drill head should be the same as the plastic expansion particle) and then fill the plastic expansion particles in the holes.
3. Fix the wall-mounting frame on the wall with tapping screws (ST4.2X25TA) and then check if the frame is firmly installed by pulling the frame. If the plastic expansion particle is loose, please drill another fixing hole nearby.

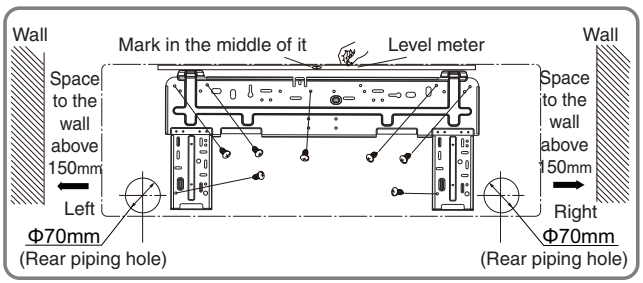
Step Three: open piping hole

1. Choose the position of piping hole according to the direction of outlet pipe. The position of piping hole should be a little lower than the wall-mounted frame, shown as below.

09K、12K:



18K、24K:

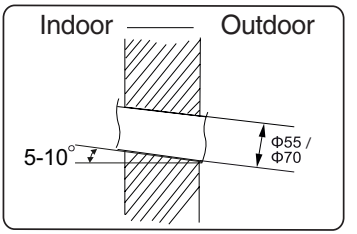


2. Open a piping hole with the diameter of ？55 or ？70 on the selected outlet pipe position.In order to drain smoothly, slant the piping hole on the wall slightly downward to the outdoor side with the gradient of 5-10°.

Installation of the indoor unit

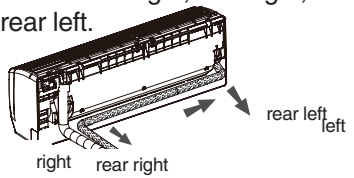
Note:

- Pay attention to dust prevention and take relevant safety measures when opening the hole.
- The plastic expansion particles are not provided and should be bought locally.

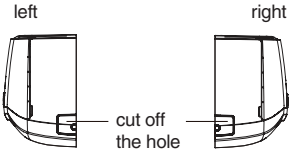


Step Four: outlet pipe

1. The pipe can be led out in the direction of right, rear right, left or rear left.

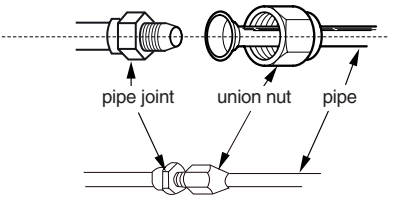


2. When select leading out the pipe from left or right, please cut off the corresponding hole on the bottom case.



Step Five: connect the pipe of indoor unit

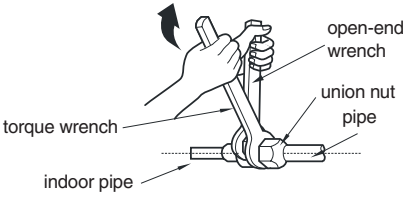
1. Aim the pipe joint at the corresponding bell mouth.



2. Pretighten the union nut with hand.

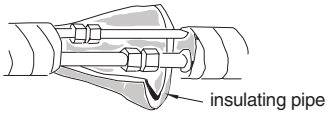
3. Adjust the torque force by referring to the following sheet. Place the open-end wrench on the pipe joint and place the torque wrench on the union nut. Tighten the union nut with torque wrench.

Installation of indoor unit



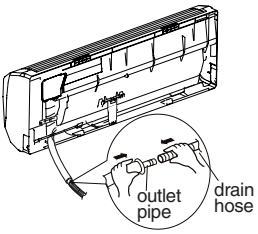
Hex nut diameter	Tightening torque (N-m)
Φ 6	15~20
Φ 9.52	30~40
Φ 12	45~55
Φ 16	60~65
Φ 19	70~75

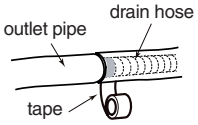
4.Wrap the indoor pipe and joint of connection pipe with insulating pipe, and then wrap it with tape.



Step Six: install drain hose

1.Connect the drain hose to the outlet pipe of indoor unit.

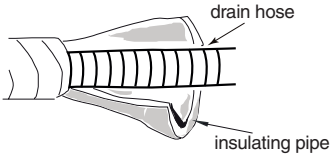




2. Bind the joint with tape.

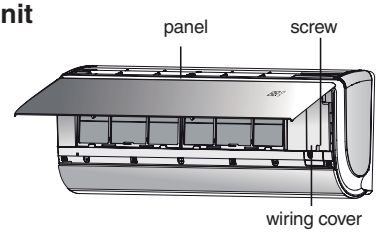
Note:

- Add insulating pipe in the indoor drain hose in order to prevent condensation.
- The plastic expansion particles are not provided.



Step Seven: connect wire of indoor unit

1.Open the panel, remove the screw on the wiring cover and then take down the cover.



Exigences du raccordement électrique

Mesures de sécurité

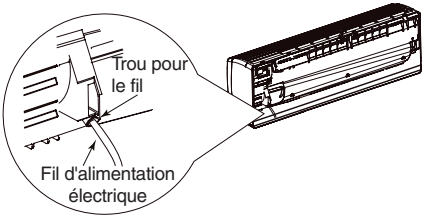
1. L'installation de l'appareil doit être faite dans le respect des règles de sécurité en matière d'électricité.
2. Utilisez un circuit d'alimentation électrique et un disjoncteur appropriés, en conformité avec le code électrique régional.
3. Assurez-vous que l'alimentation électrique et le filage sont de calibre approprié pour l'appareil à installer. Une source d'alimentation électrique instable, un filage non approprié ou mal branché, pourraient endommager l'appareil ou entraîner un risque d'incendie.
4. Assurez-vous de raccorder correctement les fils de connexion (neutre, vivant et mise à la terre).
5. Assurez-vous de couper l'alimentation électrique avant d'amorcer tout travail relié à l'électricité.
6. Ne remettez pas l'alimentation électrique avant d'avoir terminé l'installation.
7. La température du liquide frigorigène sera élevée; assurez-vous de tenir le câble de raccordement loin du tuyau de cuivre.
8. L'appareil doit être installé en conformité avec les réglementations nationales en matière de câblage.

Exigences de mise à la terre

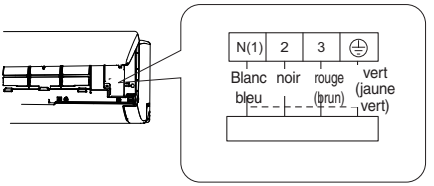
1. Le climatiseur est un appareil électrique de classe I. Il doit être mis à la terre par un spécialiste qualifié, et à l'aide d'un dispositif spécial à cet effet. Assurez-vous que la mise à la terre est faite correctement pour éviter les risques de choc électrique.
2. Le fil jaune-vert du climatiseur est le fil de mise à la terre et ne peut être utilisé pour aucune autre application.
3. La résistance de la mise à la terre doit répondre aux normes de sécurité nationale en matière d'installations électriques.
4. Un interrupteur d'arrêt omnipolaire avec une séparation entre les contacts d'au moins 3 mm dans chaque pôle doit être connecté au câblage fixe.

Installation de l'unité intérieure

2.Faites passer le fil d'alimentation au centre du trou pour le câble situé à l'arrière de l'unité intérieure, puis tirez-le vers l'avant.



3.Enlevez la pince du fil; branchez le fil d'alimentation électrique au bon terminal selon les codes de couleur; serrez la vis, puis fixez le fil d'alimentation avec la pince. Lorsque vous avez terminé le branchement, pour éviter d'écraser le fil de mise à la terre lorsque vous fermerez le couvercle de la boîte électrique, ancrez le fil de mise à la terre (fil jaune-vert) dans la rainure, tel qu'illustré ci-après.



4.Remettez le couvercle de la boîte électrique en place et vissez-le.

5.Fermez le panneau.

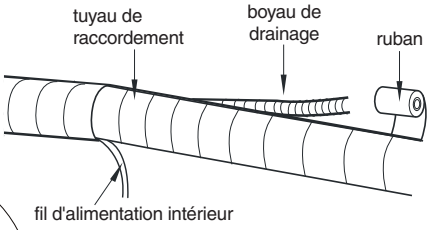
Note:

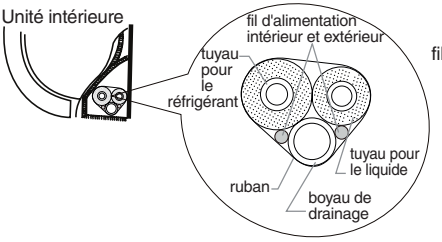
- Tous les fils des unités intérieure et extérieure doivent être connectés par un technicien certifié.
- Si le fil d'alimentation électrique n'est pas assez long, communiquez avec votre fournisseur ; ne rallongez pas le fil vous-même.
- Un disjoncteur doit être posé sur la ligne d'alimentation. Le disjoncteur doit être multipolaire et la distance entre les contacts doit être de plus de 3 mm.

Installation de l'unité intérieure

Étape 8: attacher les tuyaux

1. Reliez le tuyau de raccordement, le fil d'alimentation électrique et le boyau de drainage avec le ruban.





2. Lorsque vous les attachez, réservez une certaine longueur de boyau de drainage et de fil électrique pour l'installation. Rendu à un certain niveau, séparez le fil d'alimentation intérieur, puis séparez le boyau de drainage.

3. Entourez les fils et tuyaux uniformément.

4. Vers la fin, les tuyaux pour le liquide et le gaz doivent être attachés séparément.

Note:

- Le câble d'alimentation électrique et le fil de contrôle ne peuvent être entrecroisés ou tordus.
- Le boyau de drainage doit être attaché à la base.

Étape 9: accrochez l'unité intérieure

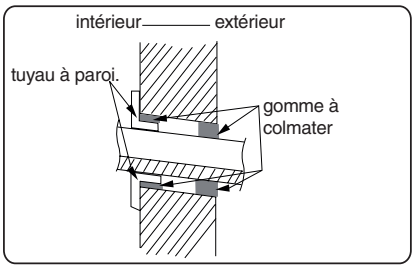
1. Insérez les tuyaux couverts dans le tuyau à paroi et faites passer le tout par le trou dans le mur.

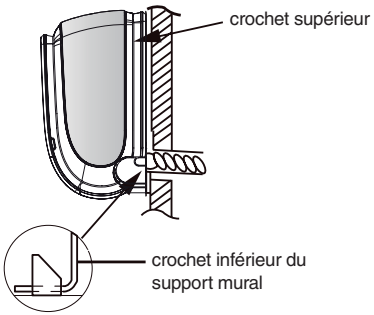
2. Accrochez l'unité intérieure au support mural.

3. Remplissez le vide entre les tuyaux et le trou du mur avec de la gomme à colmater.

4. Fixez le tuyau à paroi.

5. Assurez-vous que l'unité intérieure est près du mur et qu'elle est solidement ancrée.





Note:

- Afin de prévenir l'engorgement, ne pliez pas le boyau de drainage.

Vérification après l'installation

• Faites les vérifications suivantes après avoir complété l'installation.

Points à vérifier	Défectuosités possibles
L'appareil est-il fixé solidement ?	L'appareil peut tomber, vibrer ou être bruyant.
Avez-vous vérifié s'il n'y a pas de fuite ?	Une fuite risque d'affecter le rendement de la climatisation ou du chauffage.
Est-ce que l'appareil est bien isolé ?	Cela peut faire de la condensation ou l'appareil peut dégoutter.
L'eau est-elle drainée correctement ?	Cela peut faire de la condensation ou l'appareil peut dégoutter.
La tension correspond-elle à la tension nominale qui figure sur la plaque signalétique?	Cela peut causer un mauvais fonctionnement ou endommager les pièces.
Les fils électriques et les tuyaux sont-ils installés correctement ?	Cela peut causer un mauvais fonctionnement ou endommager les pièces.
L'appareil a-t-il été mis à la terre correctement ?	Cela peut entraîner une dispersion électrique.
Est-ce que l'entrée et la sortie d'air sont obstruées ?	Cela peut affecter le rendement de la climatisation ou du chauffage.
L'appareil a-t-il été nettoyé et débarrassé de la poussière et des détritus faits durant l'installation ?	Cela peut causer un mauvais fonctionnement ou endommager les pièces.
Les soupapes d'arrêt des tuyaux de raccordement sont-elles entièrement ouvertes ?	Cela peut affecter le rendement de l'appareil (en climatisation ou chauffage).

Test de fonctionnement

1. Avant le test de fonctionnement

- Vérifier si le client est satisfait.
- Informez le client sur les points importants de l'appareil.

2. Faire le test de fonctionnement

- Mettre le courant électrique et appuyez sur la touche 'ON/OFF' de la télécommande pour démarrer l'appareil.
- Appuyez sur la touche 'MODE' pour choisir AUTO, COOL, DRY, FAN et HEAT et ainsi vérifier si l'appareil fonctionne normalement ou non.
- Si la température ambiante est en bas de 16°C, le climatiseur ne fonctionnera pas.

À vérifier après l'installation

1. Longueur normale du tuyau de raccordement: 5m, 7,5m, 8m.
2. Longueur minimum du tuyau de raccordement: 3m.
3. Longueur maximum du tuyau de raccordement et élévation maximum.

Capacité de climatisation	Longueur max. du tuyau de raccord
5000Btu/h (1465W)	15
7000Btu/h (2051W)	15
9000Btu/h (2637W)	15
12000Btu/h (3516W)	20
18000Btu/h (5274W)	25

Capacité de climatisation	Longueur max. du tuyau de raccord
24000Btu/h (7032W)	25
28000Btu/h (8204W)	30
36000Btu/h (10548W)	30
42000Btu/h (12306W)	30
48000Btu/h (14064W)	30

4. La charge additionnelle de réfrigérant et de réfrigérant requise après avoir prolongé le tuyau de raccordement

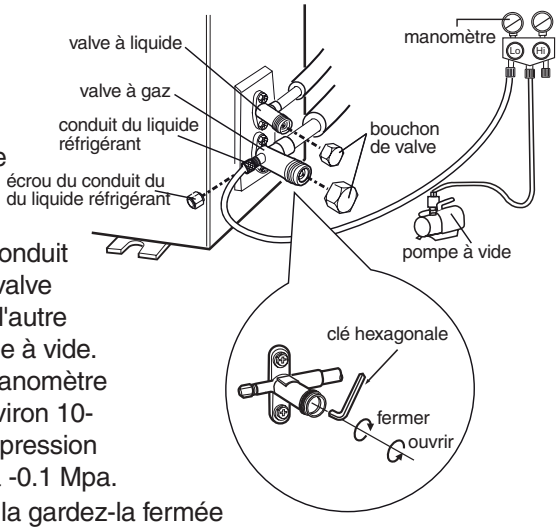
- Après que la longueur du tuyau de raccordement est prolongée de 10m de plus que la longueur normale, vous devez ajouter 5 ml d'huile réfrigérante pour chaque 5m de tuyau de raccordement.
- La méthode de calcul du montant de charge de réfrigérant supplémentaire (pour un tuyau de liquide):
  Quantité de charge de réfrigérant supplémentaire = longueur prolongée du tuyau de liquide × quantité de charge de réfrigérant supplémentaire par mètre

Configuration des tuyaux de raccordement

Ajout du liquide frigorigène pour le R410A

Diamètre du tuyau de raccord		Étrangleur de l'unité extérieure	
Tuyau à liquide (mm)	Tuyau à gaz (mm)	Climatisation seulement(g/m)	Climatisation et chauffage (g/m)
Ø6	Ø9.52 ou Ø12	15	20
Ø6 ou Ø9.52	Ø16 ou Ø19	15	50
Ø12	Ø19 ou Ø22.2	30	120
Ø16	Ø25.4 ou Ø31.8	60	120
Ø19	?	250	250
Ø22.2	?	350	350

Pompage par le vide



1. Enlevez les bouchons des valves à liquide et à gaz, et l'écrou du conduit du liquide réfrigérant.

2. Connectez le boyau de charge du manomètre au conduit du liquide réfrigérant de la valve à gaz et ensuite connecter l'autre boyau de charge à la pompe à vide.

3. Ouvrez complètement le manomètre et laissez-le fonctionner environ 10-15 min. afin de vérifier si la pression est constante et demeure à -0.1 Mpa.

4. Fermez la pompe à vide et la gardez-la fermée pour environ 1-2 min. afin de vérifier si la pression se maintient à -0.1 MPa. Si la pression descend, il y a peut-être une fuite.

5. Enlevez le manomètre et à l'aide de la clé hexagonale, ouvrez complètement les valves à liquide et à gaz.

6. Vissez fermement les bouchons des valves et du conduit du liquide réfrigérant.

7. Réinstallez la poignée.

Détection de fuite

1. À l'aide du détecteur, vérifiez s'il y a une fuite.

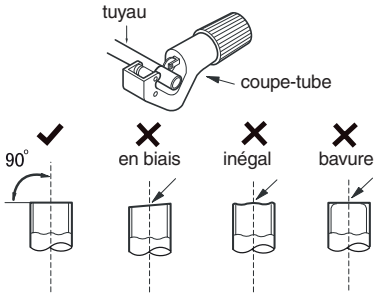
2. Si vous n'avez de détecteur de fuite, utilisez de l'eau savonneuse pour détecter la fuite. Appliquez l'eau savonneuse durant 3 min. à l'endroit où il semble y avoir fuite. S'il y a des bulles, c'est qu'il y a fuite.

Méthode pour évaser un tuyau

Note:
Un tuyau mal évasé peut entraîner une fuite du liquide réfrigérant.
Évasez le tuyau en suivant les étapes suivantes:

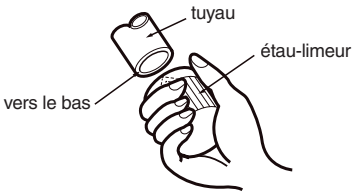
A. Coupez le tuyau

- Calculez la longueur du tuyau selon la distance entre les unités intérieure et extérieure.
- Coupez le tuyau avec le coupe-tube.



B. Enlevez les bavures

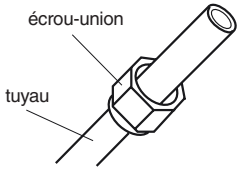
- Enlevez les bavures avec un étau-limeur et assurez-vous qu'elles n'entrent pas dans le tuyau.



C. Posez un tube isolant approprié.

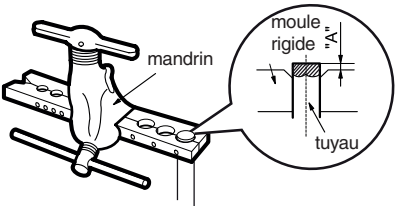
D. Pose de l'écrou-union

- Enlevez l'écrou-union du tuyau de raccord et de la valve extérieure; posez l'écrou-union sur le tuyau.



E. Évaser le tuyau

- Évasez le tuyau avec le mandrin



Note:

- 'A' variera, selon le diamètre; se référer au tableau ci-après:

Diamètre extérieur (mm)	A (mm)	
	Max	Min
ø6-6.35(1/4")	1.3	0.7
ø9.52(3/8")	1.6	1.0
ø12-12.7(1/2")	1.8	1.0
ø15.8-16(5/8")	2.4	2.2

F. Inspection

- Vérifiez si l'évasement est bien fait. Si ce n'est pas lisse, reprendre les étapes précédentes.