

The logo for Termet, featuring the word "termet" in a bold, lowercase, sans-serif font, with a registered trademark symbol (®) to the upper right. The logo is white and is set against a dark gray rectangular background with rounded corners.

termet®

INSTRUCTION MANUAL

INSTALLATION AND OPERATION

Split wall air conditioner

FREEZE GOLD

FREEZE SILVER



Foreword

Air conditioners are high-value products. For your safety and to protect your legal rights and interests, please ensure that installation is performed by an Authorized Air Conditioning Partner.

The appearance of the units that you purchase might be slightly different from the ones described in the Manual, but it does not affect your proper operations and usage. Please read carefully the sections corresponding to the specific model you choose, and keep the Manual properly so as to facilitate your reference at later time.

Note:

All the illustrations in this manual are for explanation purpose only. They are subject to change without notice for future improvement. Your air conditioner may be slightly different. The actual shape shall prevail.

 This product contains fluorinated greenhouse gases.

Refrigerant leakage contributes to climate change. Refrigerant with lower global warming potential (GWP) would contribute less to global warming than a refrigerant with higher GWP, if leaked to the atmosphere. This appliance contains a refrigerant fluid with a GWP equal to [675]. This means that if 1 kg of this refrigerant fluid would be leaked to the atmosphere, the impact on global warming would be [675] times higher than 1 kg of CO₂, over a period of 100 years. Never try to interfere with the refrigerant circuit yourself or disassemble the product yourself and always ask a profession.

 Correct Disposal of this product

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

This air conditioner uses R32 flammable refrigerant.

Notes: Air conditioner with R32 refrigerant, if roughly treated, may cause serious harm to the human body or surroundings.

- Appliance shall be installed, operated and stored in a room with a floor area larger than 4m².
Appliance shall not be installed in an unventilated space, if that space is smaller than 4m².
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Do not pierce or burn air conditioner, and check whether the refrigerant pipeline is damaged.
- 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).
- Notice that the refrigerant may be tasteless and odorless.
- The storage of air conditioning should be able to prevent mechanical damage caused by accident.
- Maintenance or repair of air conditioners using R32 refrigerant must be carried out after security check to minimize risk of incidents.

Please read the instruction carefully before installing, using and maintaining.

	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	WARNING	This symbol shows that this appliance uses a low burning velocity material (IEC 60335-2-40:2018).
	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire (IEC 60335-2-40:2022).
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that the Authorized Air Conditioning Partner should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

Safety precautions

Read Safety Precautions Before Operation and Installation

Incorrect installation due to ignoring instructions can cause serious damage or injury. The seriousness of potential damage or injuries is classified as either a **WARNING** or **CAUTION**.



WARNING ... Failure to follow these instructions properly may result in personal injury or loss of life.



CAUTION Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



WARNING

- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision (EN Standard requirements).
- 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 (IEC Standard requirements).



WARNING (FOR PRODUCT USE)

- If an abnormal situation arises (like a burning smell), immediately turn off the unit and disconnect the power. Call the Authorized Air Conditioning Partner for instructions to avoid electric shock, fire or injury.
- Do not insert fingers, rods or other objects into the air inlet or outlet. This may cause injury, since the fan may be rotating at high speeds.
- Do not use flammable sprays such as hair spray, lacquer or paint near the unit. This may cause fire or combustion.
- Do not operate the air conditioner in places near or around combustible gases. Emitted gas may collect around the unit and cause explosion.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room. Too much exposure to water can cause electrical components to short circuit.
- Do not expose your body directly to cool air for a prolonged period of time.
- Do not allow children to play with the air conditioner. Children must be supervised around the unit at all times.
- If the air conditioner is used together with burners or other heating devices, thoroughly ventilate the room to avoid oxygen deficiency.
- In certain functional environments, such as kitchens, server rooms, etc., the use of specially designed air-conditioning units is highly recommended.
- Turn off the device and disconnect the power before cleaning. Failure to do so can cause electrical shock.
- Do not clean the air conditioner with excessive amounts of water.
- Do not clean the air conditioner with combustible cleaning agents. Combustible cleaning agents can cause fire or deformation



CAUTION (FOR PRODUCT USE)

- Turn off the air conditioner and disconnect the power if you are not going to use it for a long time.
- Turn off and unplug the unit during storms.

Make sure that water condensation can drain unhindered from the unit.

- Do not operate the air conditioner with wet hands. This may cause electric shock.
- Do not use device for any other purpose than its intended use.
- Do not climb onto or place objects on top of the outdoor unit.
- Do not allow the air conditioner to operate for long periods of time with doors or windows open, or if the humidity is very high.
- Do not attach, hang or stack articles on the air conditioner. It might lead to the falling down of the air conditioner unit which will result in accidents or injuries.



WARNING (ELECTRICAL)

- Only use the specified power cord. If the power cord is damaged, it must be replaced by the Authorized Air Conditioning Partner in order to avoid a hazard.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- Do not pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- Do not modify the length of the power supply cord or use an extension cord to power the unit.
- Do not share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.
- The product must be properly grounded at the time of installation, or electrical shock may occur. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead.
- For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. Connect cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fire, and may also cause shock. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
- All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.

If the unit is connected to fixed wiring, an all-pole disconnection device with a minimum contact separation of 3 mm in all poles shall be provided. Where the leakage current may exceed 10 mA, a residual current device (RCD) with a rated residual operating current not exceeding 30 mA shall be incorporated into the fixed wiring, in accordance with the applicable wiring regulations.

TAKE NOTE OF FUSE SPECIFICATIONS

The air conditioner circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board.

NOTE: For the units with R32 refrigerant, only the blast-proof ceramic fuse can be used.

Basic principles and performances

Features of Heating Operations

- The appliance absorbs heat from the outdoor air and transfers it indoors. The heating capacity may change when outside temperature changes.
- When the outdoor air temperature is very low, the system can be used together with other heating devices. But proper ventilation should be maintained to ensure safety and prevent accidents.

Defrosting

When the outdoor air temperature is very low and humidity is very high, frosting will occur to the heat exchanger of the outdoor unit, which has negative impacts upon the efficiency of the heating performance. In such case, the automatic defrosting function will come into play. The heating operation will be stopped for 5-10 minutes to do the defrosting.

- The fans of both the outdoor and indoor units are stopped.
- During the defrosting, the outdoor unit might generate some steam. It is caused by fast defrosting, which is not a performance failure.
- Upon the completion of the defrosting process, the heating operation is resumed.

Operating conditions

- Within the temperature range provided in following table, the air conditioner may stop running and other anomalies may arise.

Cooling	Outdoor	> 43°C(Apply to T1)
	Indoor	> 52°C(Apply to T3)
Heating		< 18°C
	Outdoor	> 24°C
	Indoor	< -7°C
		> 27°C

- When the temperature is too high automatic protection device may activate shutting down the appliance.
- When the temperature is too low, the heat exchanger of the air conditioner may freeze leading to water leakage or other malfunction.
- During long-term operation in cooling mode or dehumidification mode, with a relative humidity of above 80% (doors and windows are open), there may be water condensate or dripping near the air outlet.
- T1 and T3 refer to ISO 5151.

Transportation and storage

Transport

When transporting, always ensure that the air conditioner is moved in a safe manner. Due to its heavy weight, there is a risk of injury in the event of a fall. The air conditioner must always be transported and stored in an upright position.

Disposal of equipment

The symbol of the crossed-out rubbish bin on the product, its packaging or instructions means that the product must not be disposed of in normal waste containers.

The user is responsible for handing over the waste equipment to a designated collection point for proper processing. See national regulations.

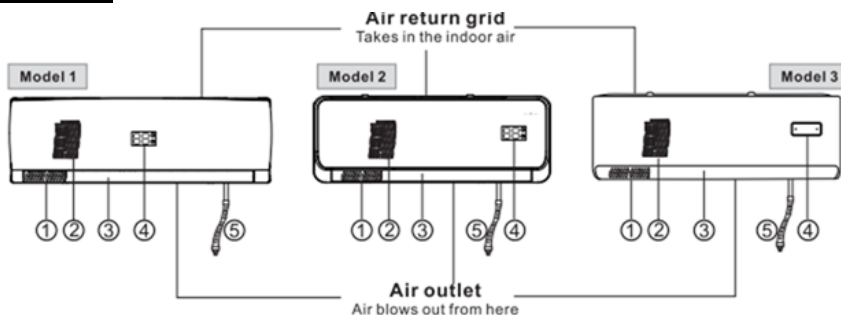
Storage of packed (unsold) equipment

- Storage package protection should be constructed in such a way that mechanical damage to the equipment inside the package will not cause a leak of the refrigerant charge.
- The maximum number of pieces of equipment permitted to be stored together will be determined by national regulations.

Schematic diagram

Features and appearance may vary by model.

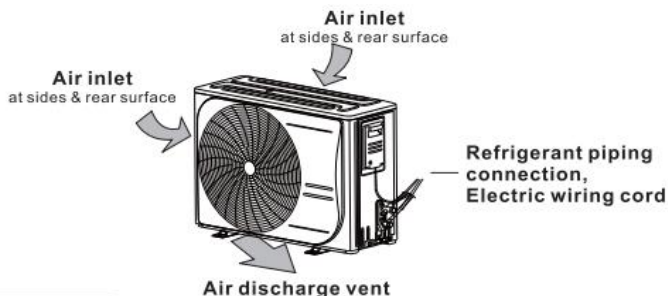
Indoor Unit



- 1 - Left/right air flow direction adjusting fin
2 - Up/down air flow direction adjusting flap
3 - Air filter (removes dust or dirt out of the inlet air)

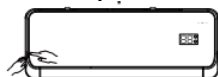
- 4 - Operational performance/indications
5 - Drain tube (drain the water dehumidified out of the air)

Outdoor Unit



Unit operation section

How to open

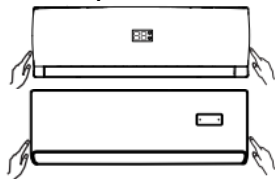


Secure the bottom with one of your hands and gently pull up the panel with the other hand, turning the panel upwards and outwards.

How to close

Push down the panel and then push both sides of the panel at the bottom.

How to open



Lightly push both sides of the air inlet grid at the bottom and pull it to the side till a resistance is felt.

How to close

Push down the air inlet grid and then push both sides of the air inlet grid at the bottom.



Emergency operation button

This button can be used as an emergency measure to turn on/off unit when remote controller is not available.



CAUTION

The button is intended for testing purposes and emergency operation only. Please do not use this function unless the remote control is lost and it is absolutely necessary. Unit must be turned off before manual operation.

Note: Do not open the grid at an angle over 60 degrees. Do not operate the units with too much force.

Error codes

		Auxiliary electric heating (optional), only can be lighted while the air conditioner is configured with this function
		Cloud function (WiFi) (optional), only can be lighted while the air conditioner is configured with this function.
		Setting temperature, timer time, and failure code .

The code "dF" is displayed when unit is running in defrost mode

Fault description	Fault code
The communication fault between the indoor and outdoor units.	F1
Indoor ambient temperature sensor fault.	F2/E2
Indoor coil temperature sensor fault (Include: inlet, pipe, outlet).	F3/E3
Indoor fan fault.	F4/E5
Outdoor module fault.	F5
Outdoor ambient temperature sensor fault.	F6
Outdoor unit heat exchanger temperature sensor fault	F7/E1
IPM temperature sensor fault.	F8
Compressor discharge temperature sensor fault.	F9
Current or voltage fault	FA
Compressor driver fault	FC
Loss of phase or phase sequence fault	FD
1.Lack of refrigerant (insufficient refrigerant charge) 2.The four-way directional valve is faulty	FF
Outdoor DC motor fault	FH
Communication failure between PC board and main control board	FL
Input current is too high	P3
Compressor discharge temperature protection.	P4
Compressor top shell overheating protection.	P5

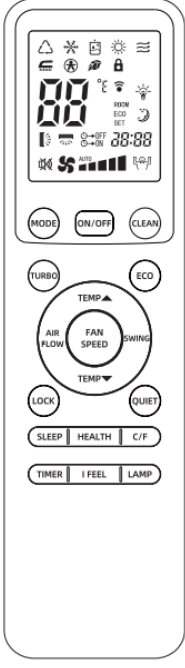
Fault description	Fault code
Compressor suction temperature protection.	P6
Suction low pressure protection.	P8
Discharge high pressure protection.	P9
Condenser coil pipe high temperature protection.	PA
Outdoor temperature too high	PC
Fault of outside feedback.	E7
Over-current.	EA

Operation and indication section of remote controller



 AUTO	 COOLING	 DEHUMID	 HEATING
 FAN	 CLEAN	 I FEEL	 HEALTHY
 Key lock	 LAMP	 SLEEP	 SWING
 AIRFLOW	 QUIET	 TURBO	ECO ECO
 TEMPERATURE		 OFF ON 20:00 TIME	
 FAN SPEED (speed 1)		 FAN SPEED (speed 2)	
 FAN SPEED (speed 3)		 FAN SPEED (speed 4) (Special type only)	
 FAN SPEED (speed 5) (Special type only)		 FAN SPEED (auto)	
 Soft /gentle wind (Special type only)			

	Button	Function Description
		Operation mode: AUTO, COOL, DRY, HEAT, FAN
		Power on/off button
		CLEAN mode activation (when device and remote control are OFF)
		TURBO mode operation (It does not work in AUTO, DRY, and FAN mode)
		ECO MODE activation (energy saving)
		Room temperature up/down
		Left/right air flow direction activation
		SWING mode activation (up/down air flow direction)
		Fan speed setting

	Button	Function Description
		Lock or unlock the keyboard
		Silent mode
		SLEEP mode
		HEALTH function activation
		Fahrenheit or Celsius temperature display on the remote control
		Turn off / turn on the indications on the device
		Switch-on or switch-off timer
		Activate or deactivate temperature sensor in the remote control

NOTE:

- Some functions may be only available depending on operating mode
- In TURBO mode room temperature is not controlled and appliance is operating continuously
- 10°C HEAT function: Press TURBO button and TEMP ▼ button at the same time to start or stop the 10°C HEAT function.
- Press I FEEL button to activate built-in temperature sensor, the remote control will send out the current room temperature to the air conditioner to better optimize air conditioner operation.

Use of remote controller

Operating modes

- Point the remote controller at the unit, press the ON/OFF button, then press the MODE button, select the needed mode: AUTO, COOL, DRY, HEAT, or FAN.
- Press the SET TEMPERATURE button to increase or decrease set room temperature. The room set temperature range is from 16°C-32°C (61°F-90°F).
- Press the FAN SPEED button to choose the air rate you want (unadjustable in DRY mode).
- Press the SWING button to select automatic up/down air flow swing or a fixed wind position (the display shows "  ").
(In DRY mode, the airflow direction is always fixed).
- Press the AIR FLOW button to choose the left/right air flow swing or a fixed wind position (the display shows "  ").

TURBO mode operation

Press TURBO button during COOL or HEAT operation, the air rate will be set to HIGH. Press the TURBO button again to disable the TURBO operation.

Note: during TURBO operation, the air rate can not be changed.

Soft /gentle air flow (Special type only)

Only in cooling mode, long-press the "FAN SPEED" button for 3 seconds to enter the soft/gentle air-flow state. The LCD screen will display the „  " icon.

Adjusting left/right air flow direction

Method 1: Manually adjust

Adjust the direction by directly moving the left/right air flow direction adjusting fin by hand.



Caution: Unit must be turned off before adjusting the direction.

Method 2: Horizontal & vertical auto swing
(three-dimensional air flow model)

Adjust the airflow direction using the remote controller. Press the AIR FLOW button to make the air-swing fins continuously swing left and right or to set them in a fixed position.

TIMER mode operation

Set turning off time

Set the time for the unit to turn off and when it is time, the air conditioner will automatically stop operating.

1. During the operation of the air conditioner, press the TIMER button and the air conditioner will enter the timed switch-off mode.
2. Press the TIMER button several times to set the needed time for switching off the machine. The timer can make the setting in the range from 1-24 hours. Every time the button is pressed, indication change is the following sequence: 1→2→...→24→cancel (no indication)→1.
3. After the setting of the timed switch-off, the digits shown on the display screen will go down by 1 for every elapsed hour. The displayed digits indicate the remaining time prior to the timed switch-off.

Set turning on time:

Set the time for the unit to turn on and when it is time, the air conditioner will automatically start operating.

1. When the air conditioner is in the standby mode, press the TIMER button and the air conditioner will enter the timed switch-on mode
2. Press the TIMER button several times to set the needed time for switching on the machine. The timer can make the setting in the range from 1-24 hours. Every the button is pressed, indication change is the following sequence: 1→2→...→24→cancel (no indication)→1.
3. After the setting of the timed switch-on, the digits shown on the display screen will go down by 1 for every elapsed hour. The displayed digits indicate the remaining time prior to the timed switch-on.

Turning off timer:

When the indication on display screen is 24 hour, press the TIMER button again to delete the timed mode.

SLEEP mode operation

- Use this mode to reduce operating noise when sleeping.
- Press the SLEEP button, to reduce the airflow noise from the indoor unit.
- Press the SLEEP button again to cancel this mode.

NOTE:

If this mode is used in the day, the capacity is reduced.

During cooling operation, the room temperature will gradually increase and reach 2°C (4°F) above the set temperature after Sleep mode is activated.

During heating operation, the room temperature will gradually decrease and reach 5°C (9°F) below the set temperature after Sleep mode is activated.

Cleaning function

Standard models: Indoor unit shows 25°C, switches on normally after 6-minute runtime.

Special models: Indoor unit displays "HC", switches off after 35-minute runtime.

Temperature adjustment and setting function (for hotel setting adjustment) (Special type only)

1 Lower temperature limit: When the unit is powered off, long-press the temperature down button for 5 seconds. The LCD screen will flash to display the minimum temperature value (e.g., 16). Adjust it via the "+" and "-" buttons, and press the power button to confirm.

2. Upper temperature limit: When the unit is powered off, long-press the temperature up button for 5 seconds. The LCD screen will flash to display the maximum temperature value (e.g., 32). Adjust it via the "+" and "-" buttons, and press the power button to confirm.

UVC Sterilization Function (Special type only)

Function description: This function uses a UVC lamp to irradiate the evaporator, effectively eliminating bacteria and viruses from the incoming air to purify the indoor air.

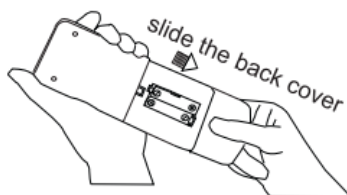
Operation Guide: While the air conditioner is running, press the "Health" button on the remote control to activate the UVC sterilization function. Once enabled, it operates in a cycle: running for two hours, pausing for 20 minutes, and then restarts, repeating this pattern.



Caution: Do not open the front cover or look directly at the UV lamp when it is on.

Replacement of batteries

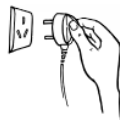
- When the signal from the remote controller becomes weak and the indoor unit can not receive it properly; or the indications on the display screen become blurred, please slide the back cover and replace with two new batteries.
- Pay attention to correct battery polarity.
- New batteries of the same type have to be used for replacement.
- If the remote controller is not to be used for a long time, take out the batteries to prevent the leakage of the electrolyte from damaging the controller.



Methods of maintenance

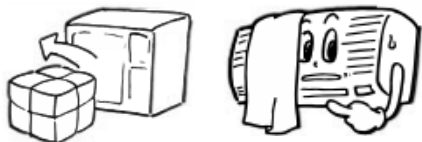


The air conditioner must be turned off and plug pulled out before carrying out the maintenance.



Before the season of operation

1. Check if there are any blocking materials in the intake and outlet vents of the indoor and outdoor units.



2. Check if the installation stand is corroded or rusty.

3. Check if the air filter is clean.

4. Connect to the power source.

5. Put batteries in the remote controller.



During the season of operation

If the air filter screen is blocked by dust or dirt, the performance of cooling and heating will be affected, with the operation noise and power consumption increased. Therefore, the air filter screen should be cleaned regularly.

Cleaning of unit should be performed by an Authorized Air Conditioning Partner.

1. Remove the air filter screen from the unit.

Model 1

- Gently press the tow lower ends of the grid and open it.
- Gently pull up the air filter screen and take it out in the direction of your body.

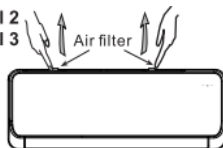
Model 1



Model 2 / Model 3

Grip the tab on the end of the air filter, lift it up.

Model 2
Model 3



2. Clean the air filter screen.

If the screen is very dirty, please use lukewarm water (about 30°C or 86°F) to clean it. Air it dry after the cleaning.



Caution

- Do not use boiling water to clean the screen.
- Excessive heat may damage the filter.
- Do not exert too much force in pulling and stretching the screen.

3. Install the air filter screen.



Caution

Operating the air conditioner without the air filter installed will cause the interior of the unit to become dirty, which may lead to reduced performance or damage to the unit.

4. Clean the indoor unit.

- Use a soft and dry cloth to rub the indoor unit, or use a vacuum cleaner to clean it.
- If the indoor unit is very dirty, use a piece of cloth and soak it with neutral home-use detergent to do the clearing.



Caution

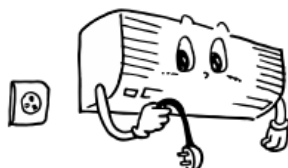
Any maintenance and cleaning of outdoor unit should be performed by an Authorized Air Conditioning Partner.

Any unit repairs should be performed by an Authorized Air Conditioning Partner.



After the season of operation

1. Set the temperature at 30°C or 86°F and operate in the fan status for about half a day (To make the interior of the unit dry).
2. Stop the operation of the machine and turn off the power switch. The air conditioner will consume about 5W of electric power after the machine is turned off. For the purpose of energy saving and safety, it is advisable to pull the plug out during the non-operational seasons.
3. Clean and install the air filter screen.
4. Clean the indoor and outdoor units.
5. Take the batteries out from the remote controller.



Cases requiring immediate contact with the Authorized Air Conditioning Partner



Caution

Pull out the power plug immediately and inform the Authorized Air Conditioning Partner in the following situations.

When faulty operation movement is observed when the RUN button is pressed, even after pulling out the power plug and restarting the operation after 3 minutes, faulty movement does not disappear.

Fuse or breaker often breaks off.	Power plug or code is excessively hot.
Covering of power plug or code is broken.	Malfunction is observed TV, Radio or other devices.
Switch dose not actuate surely.	Abnormal noise is heard during operation.

Common Issues

Issue	Possible Causes
The unit cannot be restarted just after shutdown (RUN lamp is illuminating).	To prevent frequent cycling, the unit is protected by a 3-minute restart delay after shutdown. This function is automatically controlled by the microcontroller
Air is not blown out at the start of heating operation.	Air blow is stopped to prevent blowing out of cold air until the indoor heat exchanger is warmed (2 to 5 min) (HOT KEEP)
The unit will not stop blowing out the air immediately after shutdown at COOL operation (some model).	During the mold-proof operation, the indoor fan motor runs at low speed. Therefore, the louver will not close until approximately 30 seconds after the operation ends.
Air is not blown out for 6 to 12 min, at heating operation.	When outdoor temperature is low and humidity is high, the unit sometimes performs defrosting automatically. Please wait. During defrosting, water or steam are rising from the outdoor unit.
Air is not blown out at DRY operation.	Indoor fan is sometimes stopped to prevent vapor of dehumidified moisture and save energy.
Mist is blown out at COOL operation.	This phenomenon sometimes occurs when the temperature and humidity of the room are very high, but it will disappear with the lowering of the temperature and humidity.
Noise is heard (cracking sound)	Effect caused by the refrigerant that is circulating inside the unit. It is normal.
Noise is heard (cracking sound) after a power off.	This is caused by heat expansion or contraction of plastics.
Operation cannot be restarted even if the power is recovered.	The memory circuit of the microcomputer is cleared. Operate the remote controller again to restart the operation.
Remote control signals are not received.	Remote control signals may not be received when signal receiver on the air conditioner body is exposed to direct sunlight or strong lighting.
Moisture may form on the air outlet grilles.	If the unit is operated for a long period of time with the high humidity, moisture may form on the air outlet grilles and drip down.

INSTALLATION AND REPAIR GUIDE

Split Wall-Mounted Air Conditioner (R32)

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Note:

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- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- Do not pierce or burn air conditioner, and check whether the refrigerant pipeline is damaged.
- 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).
- Notice that the refrigerant may be tasteless and odorless.
- The storage of air conditioning should be able to prevent mechanical damage caused by accident.
- Maintenance or repair of air conditioners using R32 refrigerant must be carried out after security check to minimize risk of incidents.
- Air conditioner must be installed with stop valve cover.

Please read the instruction carefully before installing, using and maintaining.

	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire.
	WARNING	This symbol shows that this appliance uses a low burning velocity material (IEC 60335-2-40:2018).
	WARNING	This symbol shows that this appliance uses a flammable refrigerant. If the refrigerant is leaked and exposed to an external ignition source, there is a risk of fire (IEC 60335-2-40:2022).
	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that the Authorized Air Conditioning Partner should be handling this equipment with reference to the installation manual.
	CAUTION	This symbol shows that information is available such as the operating manual or installation manual.

Safety precautions

Read safety precautions before installation and repair

Incorrect installation due to ignoring instructions can cause serious damage or injury. The seriousness of potential damage or injuries is classified as either a WARNING or CAUTION.



WARNING ...Failure to follow these instructions properly may result in personal injury or loss of life.



CAUTION ... Failure to observe these instructions properly may result in property damage or personal injury, which may be serious depending on the circumstances.



WARNING (ELECTRICAL)

- Only use the specified power cord. If the power cord is damaged, it must be replaced by the Authorized Air Conditioning Partner in order to avoid a hazard.
- Keep power plug clean. Remove any dust or grime that accumulates on or around the plug. Dirty plugs can cause fire or electric shock.
- Do not pull power cord to unplug unit. Hold the plug firmly and pull it from the outlet. Pulling directly on the cord can damage it, which can lead to fire or electric shock.
- Do not modify the length of the power supply cord or use an extension cord to power the unit.
- Do not share the electrical outlet with other appliances. Improper or insufficient power supply can cause fire or electrical shock.
- The product must be properly grounded at the time of installation, or electrical shock may occur. Do not earth the unit to a utility pipe, lightning conductor or telephone earth lead.
- For all electrical work, follow all local and national wiring standards, regulations, and the Installation Manual. Connect cables tightly, and clamp them securely to prevent external forces from damaging the terminal. Improper electrical connections can overheat and cause fire, and may also cause shock. All electrical connections must be made according to the Electrical Connection Diagram located on the panels of the indoor and outdoor units.
- All wiring must be properly arranged to ensure that the control board cover can close properly. If the control board cover is not closed properly, it can lead to corrosion and cause the connection points on the terminal to heat up, catch fire, or cause electrical shock.
- Stationary appliances not fitted with means for disconnection from the supply mains having a contact separation in all poles that provide full disconnection under overvoltage category III, the instructions state that means for disconnection must be incorporated in the fixed wiring in accordance with the wiring rules.
- If the unit is connected to fixed wiring, an all-pole disconnection device with a minimum contact separation of 3 mm in all poles shall be provided. Where the leakage current may exceed 10 mA, a residual current device (RCD) with a rated residual operating current not exceeding 30 mA shall be incorporated into the fixed wiring, in accordance with the applicable wiring regulations.

TAKE NOTE OF FUSE SPECIFICATIONS

The air conditioner circuit board (PCB) is designed with a fuse to provide overcurrent protection. The specifications of the fuse are printed on the circuit board.

NOTE: For the units with R32 refrigerant, only the blast-proof ceramic fuse can be used.



WARNING (FOR PRODUCT INSTALLATION)

- Ask the Authorized Air Conditioning Partner to carry out installation work.
- Do not attempt to install the air conditioner yourself. Improper installation may result in water leakage, electric shocks or fire.
- If refrigerant gas leaks during installation, ventilate the area immediately. Be aware that refrigerants may not contain an odor.
- Toxic gas may be produced if the refrigerant comes into contact with fire.
- After completing installation, check for refrigerant gas leakage. Toxic gas may be produced if the refrigerant gas leaks into the room and comes into contact with a source of fire, such as a fan heater, stove or cooker.
- When installing or relocating the air conditioner, be sure to bleed the refrigerant circuit to ensure it is free of air, and use only the specified refrigerant (R32). The presence of air or other foreign matter in the refrigerant circuit causes abnormal pressure rise, which may result in equipment damage and even injury.
- During installation, attach the refrigerant piping securely before running the compressor. If the refrigerant pipes are not attached and the stop valve is open when the compressor is run, air will be sucked in, causing abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.
- During pump-down, stop the compressor before removing the refrigerant piping.
- If the compressor is still running and the stop valve is open during pump-down, air will be sucked in when the refrigerant piping is removed causing abnormal pressure in the refrigeration circuit, which may result in equipment damage and even injury.
- During tests, never pressurize the appliances with a pressure higher than the maximum allowable pressure (as indicated on the nameplate of the unit).



CAUTION (FOR PRODUCT INSTALLATION)

- Do not install the air conditioner at any place where there is a danger of flammable gas leakage.
- In the event of a gas leakage, build-up of gas near the air conditioner may cause a fire to break out.
- While following the instructions in this installation manual, install drain piping to ensure proper drainage and insulate piping to prevent condensation. Improper drain piping may result in indoor water leakage and property damage.
- Tighten the flare nut according to the specified method such as with a torque wrench.
- If the flare nut is too tight, it may crack after prolonged use, causing refrigerant leakage.
- The temperature of refrigerant circuit will be high, please keep the inter-unit wire away from copper pipes that are not thermally insulated.
- When mechanical connectors are reused indoors, sealing parts shall be renewed. When flared joints are reused indoors, the flare part shall be re-fabricated.

Precautions for installation and maintenance



Prior to beginning work on systems containing flammable refrigerants, safety check is necessary to ensure that the risk of ignition is minimized. For the repair of the refrigerant system, the following precautions shall be strictly carried out:

- All maintenance staff and others working in the local area shall be instructed on the nature of work being carried out. Work in confined spaces shall be avoided. The area around the workspace shall be sectioned off. Ensure that the conditions with the area have been made safe by control of flammable material.

- The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the Authorized Air Conditioning Partner is aware of potentially flammable atmosphere. Ensure that the leak detection equipment being used is suitable for flammable refrigerants, i.e. non sparking, adequately sealed or intrinsically safe.
- If any hot work is to be conducted on the refrigeration equipment or associated parts, appropriate fire extinguishing equipment shall be available at hand. Have a dry powder or CO₂ fire extinguisher adjacent to the charging area.
- No person carrying out work in relation to a refrigerant system which involves exposing any pipe work that contained flammable refrigerant shall use any sources of ignition in such a manner that it may lead to the risk of fire or explosion. All possible ignition sources, including cigarette smoking, shall be kept sufficiently far away from the site of installation, repairing, removing and disposal, during which flammable refrigerant can possibly be released to the surrounding space. Prior to working site, the area around equipment is to be surveyed to make sure that there are flammable hazards to ignition risks. "No Smoking" warning signs shall be displayed.
- Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. Proper ventilation shall continue during the period that the work is carried out.



Where electrical components are being changed, they shall be fit for the purpose and have correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt, consult the Authorized Air Conditioning Partner for assistance.

Checkpoints:

- the charge size is in accordance with the room size within which the refrigerant containing parts are installed;
- the ventilation machinery and outlets are operating adequately and are not obstructed.



Repair and maintenance of the electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply should be connected to the circuit until it is dealt with.

If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be applied. This shall be reported to the owner of the equipment so all parties are advised.

Initial safety checks shall include:

- checking that capacitors are discharged to avoid possibility of sparking;
- ensuring that no live electrical components or wiring are present nearby while charging, recovering or purging the system;
- checking earth continuity.



Sealed electrical components shall not be repaired.



Check that cabling will not be subject to wear, corrosion, excessive pressure, vibration, sharp edges or any other adverse environmental effects. The check shall also take into account the effects of aging or continual vibration from sources such as compressors or fans.



Leak detection

- Under no circumstances shall potential sources of ignition be used in the searching for or detection of refrigerant leaks. A halide torch (or any other detector using a naked flame) shall not be used.
- The following leak detection methods are deemed acceptable for system containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need re-calibration. (Detection equipment shall be calibrated in a refrigerant-free area.) Ensure that the detector is not a potential source of ignition and is suitable for the refrigerant used.
Leak detection equipment should be calibrated in accordance with the manufacturer's instructions.
- Leak detection fluids are suitable for use with most refrigerants but the use of detergents containing chlorine shall be avoided as the chlorine may react with the refrigerant and corrode the copper pipe-work.
- If a leak is suspected, ensure that there are no open flames in the surrounding area.
- If a leakage of refrigerant is found which requires brazing, all of the refrigerant shall be recovered from the system, or isolated (by means of shut off valves) in a part of the system remote from the leak. Oxygen free nitrogen (OFN) shall then be purged through the system both before and during the brazing process.



Refrigerant removal and circuit evacuation

When opening the refrigerant circuit for repair or for any other purpose, standard service procedures shall be followed. However, when working with flammable refrigerants, special attention shall be paid to best practices due to flammability considerations. The following procedure shall be strictly observed:

- safely remove refrigerant following local and national regulations;
- remove the refrigerant;
- purge the circuit with inert gas (optional for A2L);
- release the inert gas;
- purge the circuit again with inert gas;
- repair the refrigerant line.

The refrigerant charge shall be recovered into the correct recovery cylinders.

- Only dry nitrogen gas is permitted for cleaning refrigeration systems. Compressed air or oxygen shall not be used for cleaning refrigeration systems.
- Purging of the refrigerant circuit should be carried out by charging the system with inert gas to the operating pressure, then venting it to atmosphere, and finally evacuating the system and charging it again with inert gas. This process must be repeated until no refrigerant remains in the system. Before work on the system is started, the system must be brought down to atmospheric pressure.
- Ensure that the outlet of the vacuum pump is not close to any potential ignition sources and that ventilation is available.

Charging procedures

- In addition to conventional charging procedures, the following requirements shall be followed: Ensure that contamination of different refrigerants does not occur when using charging equipment. Hoses or lines shall be as short as possible to minimize the amount of refrigerant contained in them. Cylinders shall be kept upright; Ensure that the refrigeration system is earthed prior to charging the system with refrigerant, Label the system when charging is completed (if not already); Extreme care shall be taken not to overfill the refrigerant system.
- Prior to recharging the system it shall be pressure tested with OFN (oxygen free nitrogen). The system shall be leak tested on completion of charging but prior to commissioning. A follow up leak test shall be carried out prior to leaving the site.



Decommissioning

Before carrying out this procedure, it is essential that the technician (holding the appropriate F-gas qualifications) is completely familiar with the equipment and all its details. All refrigerants are to be recovered safely.

- a) Become familiar with the equipment and its operation.
- b) Isolate system electrically.
- c) Before attempting the procedure ensure that: the mechanical handling equipment is available, if required, for handling refrigerant cylinders; all personal protective equipment is available and being used correctly; the recovery process is supervised at all time by a person holding the appropriate F-gas qualifications; recovery equipment and cylinders conform to appropriate standards
- d) Pump down refrigerant system, if possible.
- e) If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of system.
- f) Make sure that cylinder is situated on the scales before recovery takes place.
- g) Start the recovery machine and operate in accordance with manufacturer's instructions.
- h) Do not overfill cylinders (No more than 80% volume liquid charge).
- i) Do not exceed the maximum working pressure of the cylinder, even temporarily.
- j) When the cylinders haven been filled correctly and the process completed, make sure that the cylinders and the equipment are removed from site promptly and all isolation valves on the equipment are closed off.
- k) Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.



Recovery

When removing refrigerant from a system, either for servicing or decommissioning, it is required that all refrigerants are removed safely. When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct numbers of cylinders for holding the total system charge are available. All cylinders to be used are designed for the recovered refrigerant and labeled for that refrigerant (i.e. special cylinders are for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order.

The recovery equipment shall be in good working order with a set of instructions concerning the equipment that is at hand and shall be suitable for the recovery of flammable refrigerants.

If compressors or compressor oil are to be removed ensure that they have been evacuated to an acceptable level to make certain that flammable refrigerant does not remain within the lubricant. The evacuation process shall be carried out prior to returning the compressor to the suppliers. Only electric heating on compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

The area where R32 refrigerant is transferred must not be enclosed. If necessary, anti-static measures must be taken during the transfer. During transfer, loading and unloading, the necessary precautions must be taken to protect the air conditioner and ensure that it is not damaged.

Selection of installation positions for indoor unit



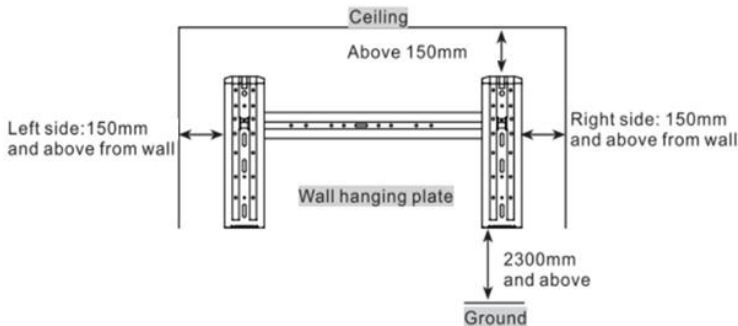
CAUTION

- Install the unit in a position where the discharged air can circulate evenly throughout the entire room.
- Select a location that is not affected by outdoor air.
- Ensure that the air inlet and air outlet of the unit are not obstructed.
- Avoid locations exposed to excessive oil mist, smoke, or steam.

- Avoid areas where flammable gases may be generated, enter, accumulate, or leak.
- Keep the unit away from high-frequency equipment (such as high-frequency arc welders).
- Do not install the unit in locations where acidic solutions are frequently used.
- Avoid places where special chemical sprays (e.g. sulfides) are frequently applied.
- Do not install the unit above musical instruments, televisions, computers, or other valuable equipment.
- Do not install fire alarm detectors near the air outlet of the unit, as warm air discharged during operation may cause false alarms.

Make sure of enough space for installation and maintenance

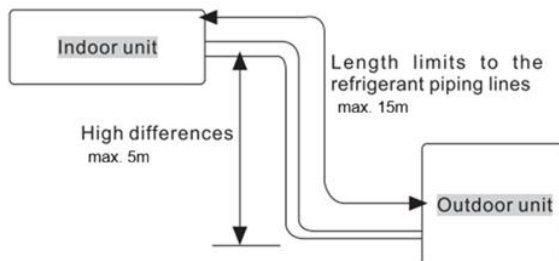
For convenient operation and safe installation, sufficient space should be provided between the unit and the walls.



Attention: If additional functional devices are to be installed in the air conditioner, allow sufficient space for their installation.

Height limits of indoor and outdoor units

- Either the indoor unit or the outdoor unit can be higher, but the height difference must comply with the stated requirements.
- Try to reduce the bending of the piping line as much as possible so as to avoid possible negative impacts upon the performances of the units.



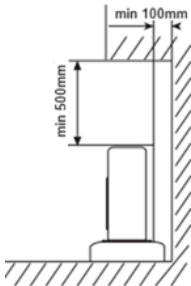
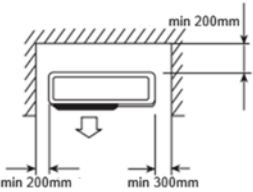
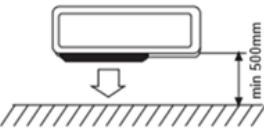
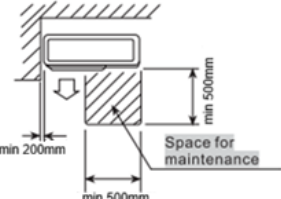
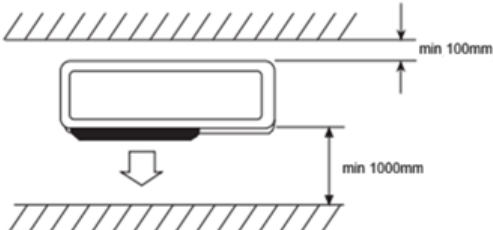
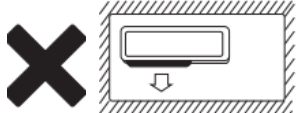
Selection of installation positions for outdoor unit

CAUTION

Installation location should fulfill following requirements:

- Install the unit in a location capable of supporting its weight and preventing excessive vibration and noise.
- Select a place that is not exposed to rain or direct sunlight and provides good ventilation.
- Ensure that noise generated during operation does not disturb neighboring areas.
- Do not install the unit on non-metallic frames.
- Avoid locations where flammable gases may be generated, enter, accumulate, or leak.
- Ensure proper drainage of condensate water from the base plate during operation.
- Avoid installing the unit with the air outlet facing directly into strong wind.

Detailed space requirements around the outdoor unit

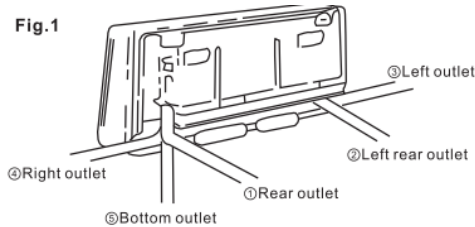
1. When there are obstacles above the unit. 	2. When the front (air outlet) is open. 	3. When there are obstacles only in the front (air outlet).  Space for maintenance Shown as in the following figure. Keep the maintenance space in front of the unit. 
4. When there are obstacles at the front and rear sides. 		 CAUTION At least two sides should be kept open. When there are obstacles all around the unit on four sides. Although the top side is open, the installation is not to be done if there are obstacles all around. 

Installation fixture of indoor unit

Fix the wall-mounting plate firmly on the wall with screws. Make sure of the leveling of the plate. Slanted wall-mounting plate might jeopardize the smooth discharge of the condensed water.

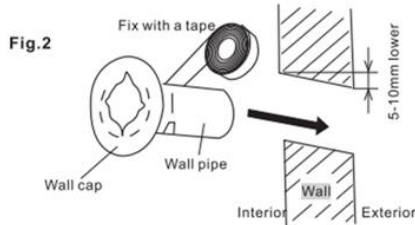
1 .Installation of wall-mounting plate.

Pipelines can be connected in the directions of 1, 2, 3, 4 and 5 as indicated in Fig. 1. When the pipelines are connected to the directions of 3, 4 and 5, a groove for the pipes has to be opened at the proper place on the base stand.



2. Drill holes on the wall.

Drill holes at places slightly below the wall-mounting plate, with hole diameter of 65mm and the outer edge of the hole 5-10mm lower (Fig.2) so that the condensed water can smoothly flow out. Cut the wall penetrating pipe to proper length according to the thickness of the wall (3-5mm longer than the wall thickness) and insert the pipe as indicated in Fig.2.



3. Pipe connection

1). Remove the fixed part to pull out pipe of indoor machine from the case. Screw the hexagon nut in the left of the joint to the end with your hand.

2). Connect the connecting pipe to the indoor unit:

Aim at the pipe center, tighten the Flare nut with fingers, and then tighten the Flare nut with a torque wrench, and the direction is shown in diagram on the right. The torque used is shown in the following table (Table 1).

Note: Carefully check if there is any damage of joints before installation. The joints shall not be reused, unless after re-flaring the pipe.

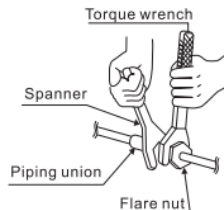
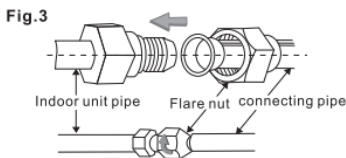


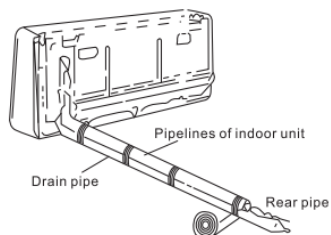
Table1:Torque based upon the wrench to be used.

Outer diameter of copper pipe	Tightening torque	Strengthened tightening torque
Ø 6.35mm (1/4")	16 Nm	20 Nm
Ø 9.52mm (3/8")	30 Nm	35 Nm
Ø 12.7mm (1/2")	49 Nm	54 Nm
Ø 15.88mm (5/8")	74 Nm	79 Nm
Ø 19.05mm (3/4")	118 Nm	138 Nm

4.Installation of drain pipe.

Install the pipelines of the indoor unit in accordance with the direction of the wall holes. Wrap tightly the drain pipe and the pipelines with tape. Make sure that the drain pipe is underneath the pipelines.(Fig.4) (When the drain pipe passes the room interior, some condensed water might occur to its surfaces if the humidity is very high).

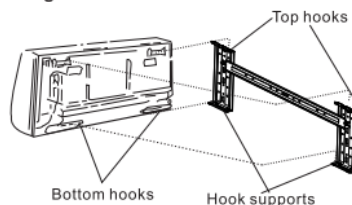
Fig.4



5.Installation of indoor unit.

Pass the connection wires, connecting pipelines and drain pipe through the wall hole. Hang the indoor unit on the hooks at the top of the wall-mounting plate so that the hooks at the bottom of the indoor unit match the hooks of the wall-mounting plate.(Fig.5)

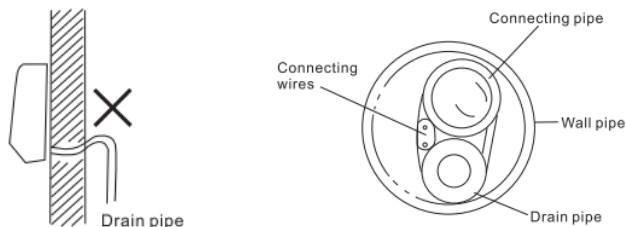
Fig.5



6.Inspections:

- Check if the hooks at the top and bottom are firmly fixed.
- Check if the position of the master unit is properly leveled.
- The drain pipe should not curve upward (Fig.6).
- The drain pipe should be at the lower part of the wall pipes (Fig.6).

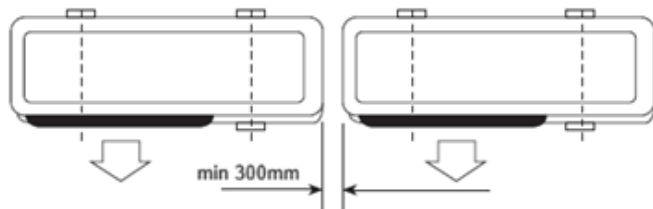
Fig.6



Installation fixture of outdoor unit

- Ship the product to the installation location in its original package.
- As the gravity center of the unit is not at the installation center, special caution should be taken when using hoisting cables to lift it up.
- During shipping, the outdoor unit must not be slanted to over 45 degrees (Do not store the unit in a horizontal way).
- Use expansion bolts to fix the mounting supports on the wall.
- Use bolts and nuts to fix the outdoor unit firmly on the supports and keep on the same level.
- If the unit is installed on the wall or at the rooftop, the supports have to be firmly fixed so as to resist earthquake or strong wind.

Dimensions for parallel units installations.



Connection of refrigerant piping

Pipelines connection

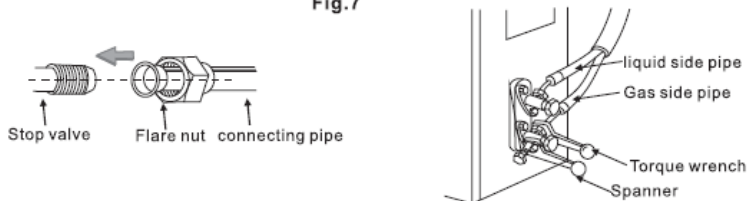


CAUTION

- No dust, foreign articles, air or moisture should be allowed to enter the air conditioning system.
- Careful attention should be paid when pipeline connection for outdoor unit is made. Try to avoid repeated curves as much as possible, otherwise copper pipes may become rigid or crack.
- Suitable wrenches should be used when the pipeline connection is done so as to ensure appropriate torque (refer to torque Table 1). Excessive torque might damage the joints while too little torque might lead to leakage.

Connect the Outdoor Unit with Connecting Pipe: Aim the counter-bore of the connecting pipe at the stop valve, and tighten the Taper nut with fingers. Then tighten the Taper nut with a torque wrench (Fig.7).

Fig.7



Air purging with vacuum pump

1. Check that pipeline connection have been properly connected, remove the charging port cap, and connect the manifold gauge and the vacuum pump to the charging valve by service hoses as shown Fig.8.
2. Open the valve of the low pressure side of manifold gauge, then, run the vacuum pump. Vacuum the indoor unit and the connecting pipes until the pressure in them lowers to below 1.5mmHG (The operation time for vacuuming is about 10minutes). When the desired vacuum is reached, close the valve of the low pressure of the manifold and stop the vacuum pump.
3. Disconnect the service hoses and fit the cap to the charging valve.
4. Remove the blank caps, and fully open the spindles of the 2-way and 3-way valves with a service valve wrench.
5. Tighten the blank caps of the 2-way and 3-ways valves, applying the torque Table 1.

Tips:

- Use the R32 refrigerant special vacuum pump.
- Use tools for R32 (such as the gauge manifold, charging hose, or vacuum pump adapter.)

Adding refrigerant

Refrigerant must be added if the piping measures more than 5metres in length. This operation can only be performed by an Authorized Air Conditioning Partner, for the additional amount, see the Table 2 below.



CAUTION

The length of the piping should not exceed 15 meters.

Table 2

Additional refrigerant amount	
Liquid pipe diameter ø6.35mm (1/4")	Liquid pipe diameter ø9.52mm (3/8")
(piping length-5)m ² 15g	(piping length-5)m ² 30g

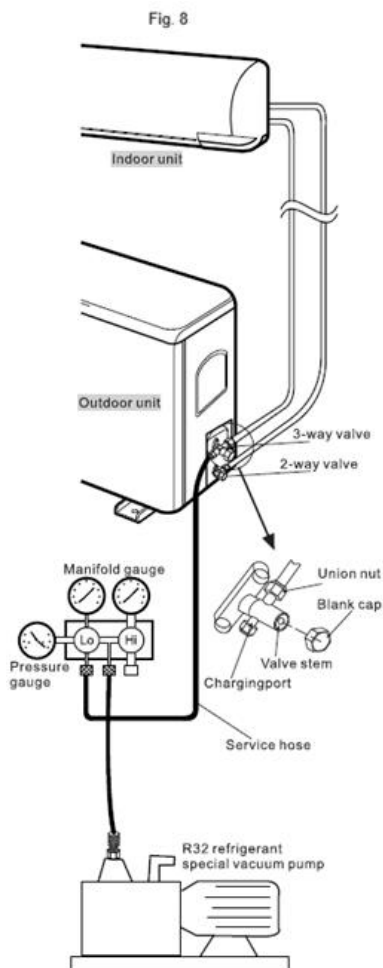
Gas leakage inspection



CAUTION

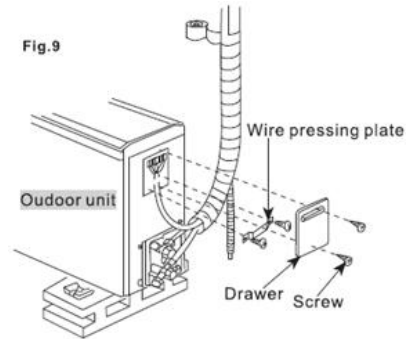
After the pipeline connection is done, use a leakage inspection device or soap to carefully check if there is any leakage at the joints. This is an important step to ensure the quality of installation. If refrigerant gas leaks, ventilate the area immediately. Toxic gas may be produced if refrigerant gas comes into contact with fire.

Never directly touch any accidentally leaking refrigerant. This could result in severe wounds caused by frostbite.



Connection of power cable

- 1.Remove the drawer of the outdoor unit.
- 2.Non-quick coupler: connect the indoor power and control wires with the matched outdoor wires in accordance with the electric schematic diagram and make sure that the connection is firmly done (Fig.9.)
- 3.Use a press plate to fix the wires firmly, and re-install the drawer.
- 4.Optional steps: In some cooling and heating models, you should connect the indoor wire connector with outdoor probe wire connector for defrosting (Fig.10).



Finishing touches

- Wrap the pipelines tightly with ethylene tapes.
- Fix the wrapped pipelines on the exterior wall with clamps.
- Fill in the gaps left over by the pipeline hole and wall hole to prevent rain-water from entering.

Test running

- Connect to the power source, check if the function selection keys on the remote controller are working properly.
- Check if the room temperature adjustments and timer settings are working properly.
- Check if the drain is smooth.
- Check if there is any abnormal noise or vibration during operation.
- Check if there is leakage of refrigerant.

Checking the correct installation of the unit

Suitable installation position

- Check if there are no objects in front of the indoor unit that could block ventilation or obstruct operation.
- Do not install the unit in locations where flammable gases or flammable liquids may leak.
- Do not install the unit in locations in a location exposed to excessive oil splashes.
- Installation of the unit in areas where toxic or humid gases are generated or in coastal areas exposed to sea breeze may cause malfunction because of corrosion. If installation in such location is necessary, consult the Authorized Air Conditioning Partner.
- The air conditioner and remote controller must be installed at least 1 m away from any TV or radio.
- Condensate water from the indoor unit must be drained to a location with good drainage.

Pay attention to operation noise

- When installing the unit, choose a place which can stand the weight of the unit well and does not increase the operation noise or vibration. Especially where there is a possibility that vibration be transmitted to the house, fix the unit by inserting attached vibration-proof pads between the unit and fittings.
- Choose the place where hot air and operation noise from the outlet of the outdoor unit do not annoy the neighborhood.
- Things left near the outlet and inlet of the outdoor unit cause malfunction or increased operation noise. Do not leave obstacles near the outlet and inlet.
- If irregular sound is heard during operation, consult with the Authorized Air Conditioning Partner.

Inspection and Maintenance

- Depending on the service conditions and operating environment, the inside of the air conditioner will become dirty after several seasons (3 to 5 years) of service, resulting in decreased operating performance. Inspection and maintenance are recommended in addition to usual cleaning (The air conditioner can be used for a longer period and without anxiety).
- As to inspection and maintenance, consult the Authorized Air Conditioning Partner (Service charge is required in this case).
- We recommend performing inspection and maintenance during an off season.

Self diagnosis functions

In the event of a fault, the following error codes may be displayed:

The code "dF" is displayed when running defrost mode

Fault description	Fault code
The communication faults between the indoor and outdoor units.	F1
Indoor ambient temperature sensor fault.	F2/E2
Indoor coil temperature sensor fault (Include: inlet, middle of pipe, outlet).	F3/E3
Indoor fan fault.	F4/E5
Outdoor module fault.	F5
Outdoor ambient temperature sensor fault.	F6
Outdoor unit heat exchanger temperature sensor fault.	F7/E1
IPM temperature sensor fault.	F8
Compressor discharge temperature sensor fault.	F9
Current or voltage fault	FA
Compressor driver fault	FC
Loss of phase or phase sequence fault	FD
1.Lack of refrigerant (insufficient refrigerant charge) 2.The four-way directional valve is faulty	FF
Outdoor DC motor fault	FH
Communication failure between PC board and main control board	FL
Input current is too high.	P3
Compressor discharge temperature protection.	P4
Compressor top shell overheating protection.	P5
Compressor suction temperature protection.	P6
Suction low pressure protection.	P8
Discharge high pressure protection.	P9
Condenser's coil pipe high temperature protection.	PA
Outdoor temperature too high	PC
Fault of outside feedback.	E7
Over-current.	EA

Note: Above self check information is commonly applicable in our most air conditioners, but some are special, you can refer to the User's Manual for information or contact the Authorized Air Conditioning Partner for help.

Wi-Fi FUNCTION USER MANUAL

This description is applied to Air Conditioners with Wi-Fi function.
Please read the manual carefully before using the product and keep it for future reference.

Search for **Smart Life** in Apple's App Store and other major app stores, or scan the following QR code to download the Smart Life app.



User account

Register an account

1. Tap "**Sign Up**" and carefully read and agree on the User Agreement and Privacy Policy to go to the Register page.
2. Register an account with an email address or mobile phone number. The **State/Region** field value is automatically specified and can also be manually changed. However, after the **account is registered, this field value cannot be changed**. Tap "**Get Verification Code**".
3. Enter the returned verification code to navigate to the password setting page. Set a password as required and tap "**Done**".

Login in with the app account

1. Open the application. If you have registered an account of the app, tap "**Log In**" to go to the login page.
2. The **State/Region** field value is automatically specified and can also be manually changed.
3. Enter the registered mobile phone number or email address and the password, then tap "**Log In**".

Use the app

Viewing environmental information

1. After the home information and location are completed, the weather and environment information appears on the Home page. Tap the weather and environment information section to view more details.
2. If environmental sensors have been added to the application, for example, the air purifier, hygrometer, or thermometer, the app displays environmental information provided by these devices.
3. On the details page, the homeowner or administrator can drag and sort the displayed items.

Add a device

1. Reset the network to make sure the device has entered pairing mode.

Step 1: Use the remote controller to set the air conditioner to "**Cooling Mode**" and set the temperature to 25°C, then click the "**Air Flow**" button 6 times.

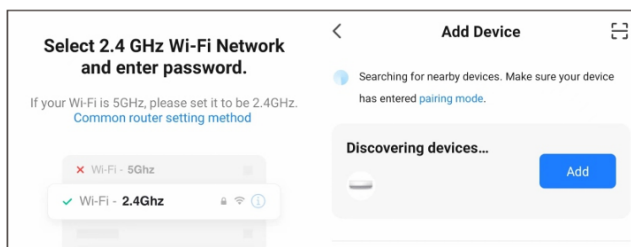
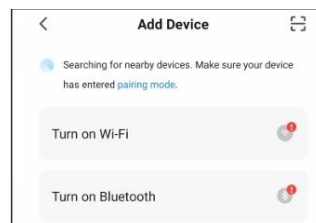
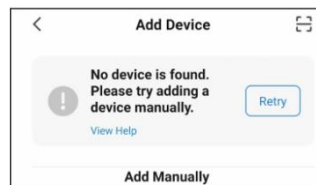
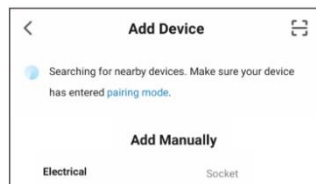
Step 2: When the display lamp board shows "--" and the buzzer rings twice, it means reset is successful, and the device has entered pairing mode.



2. Tap **"Add Device"** or the plus icon (+) in the top right corner on the Home page to go to the device adding page. On the Add Device tab that appears, devices can be automatically found or manually added.

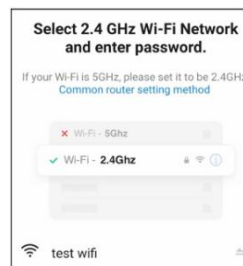
Automatically add devices

1. This method enables simultaneously searching for multiple device, including
Wi-Fi devices, Bluetooth gateways, Bluetooth Mesh devices, Zigbee gateways, and Zigbee devices connected to the gateway. All detected devices can be added with one tap.
2. If no devices are found during the search, follow the instructions to troubleshoot the issue and try again, or add the devices manually.
3. Wi-Fi devices can be found only when Wi-Fi is enabled. Nearby Bluetooth devices can be found only when Bluetooth is enabled. Tap **"Turn on Wi-Fi"** or **"Turn on Bluetooth"** to enable Wi-Fi or Bluetooth as instructed.
4. To accelerate pairing with Bluetooth devices, the application supports the automatic detection of nearby Bluetooth devices. When the Home page is opened, the app automatically searches for Bluetooth devices pending pairing and shows detected devices in a dialog box.
5. When the lights on Narrowband Internet of Things (NB-IoT), Wi-Fi, and Bluetooth devices are blinking quickly, these devices can be added in the Auto Scan method. To use this method, prepare a Wi-Fi network. Only 2.4 GHz Wi-Fi networks are supported.



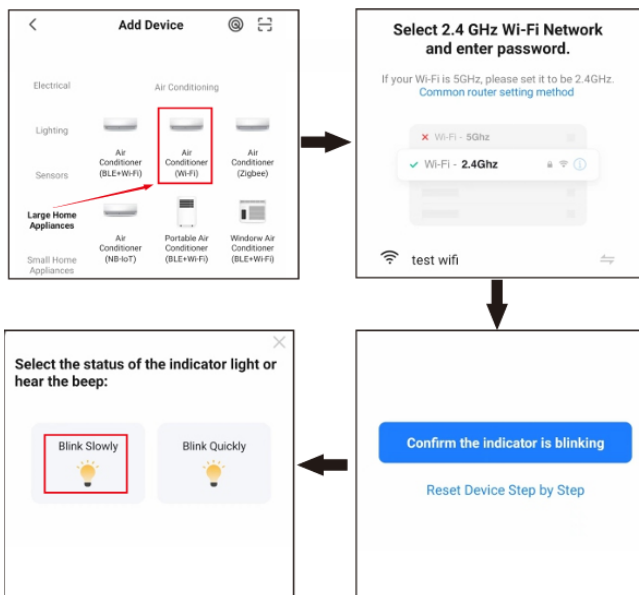
Manually add Wi-Fi devices

Select the device type. On the displayed page, enter the password for connecting to the 2.4 GHz Wi-Fi network. Location permission must be granted to automatically find Wi-Fi networks.



Manual add Wi-Fi devices in AP mode

1. If a dual-band network that supports both 2.4 GHz and 5 GHz bands is used, the AP mode can be used to add devices.
2. In AP mode, follow the instructions to enable the to blink slowly, select Confirm that is blinking slowly, and then tap **"Next"**.



3. In AP mode, on the Wi-Fi setting page of the mobile phone find the Wi-Fi hotspot starting with **"SmartLife"**.

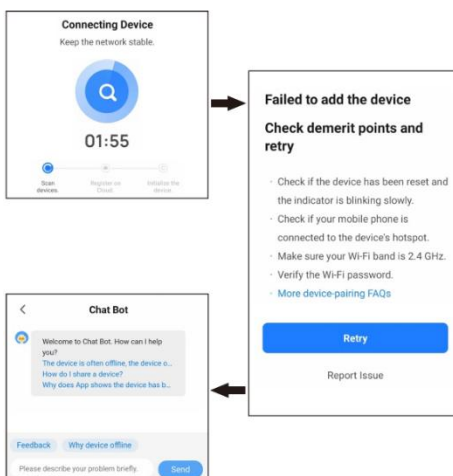


4. Tap the **"Wi-Fi hotspot"** to connect the mobile phone to it.
5. After a successful connection, return to the application to start pairing. The Wi-Fi hotspot of some devices may use a custom name. The mobile phone must be connected to a 2.4 GHz Wi-Fi network.

6. The device pairing page on the app appears again and the pairing process continues. After the device is added, the user can customize the device name and specify the room where the device is located. The device name can contain a maximum of 64 characters.

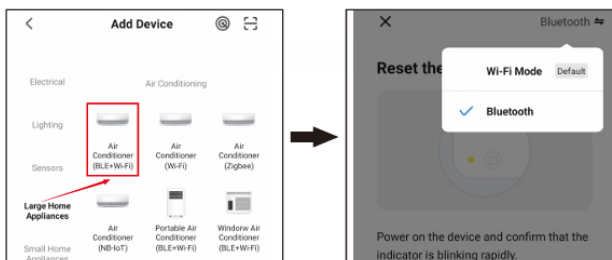


7. If pairing fails, apply the tips in the following the third figure from the left to troubleshoot the issues.

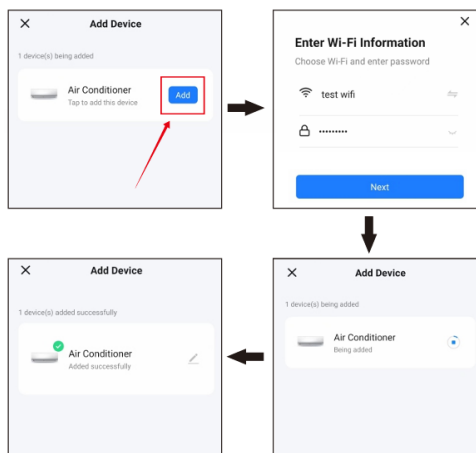


Manually add Bluetooth devices or devices over Wi-Fi and Bluetooth LE combo

1. For Bluetooth devices or devices over Wi-Fi and Bluetooth Low Energy (Bluetooth LE) combo, power on the device first. Then enable Bluetooth on the mobile phone and open the app. The devices that are ready for pairing will be displayed on the app.



2. Select the device to be added. On the Wi-Fi setting page, enter the password for connecting to the 2.4 GHz Wi-Fi network. Wait for the device to automatically complete pairing.



Manage list of devices and rooms

View devices

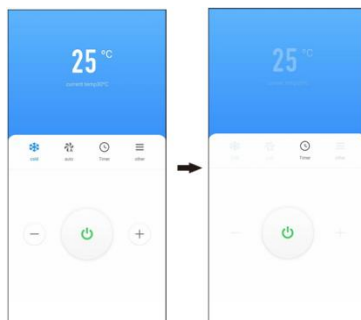
On the Home page, the user can view all devices or view devices by room. Tap the **“More icon (...)”** on the right side of the page. On the displayed menu, choose to display devices in list view or a grid view. The homeowner or administrator can drag and sort the displayed items.

Manage devices and rooms

1. To manage devices, tap the **“More icon (...)”** next to the devices on the Home page, then select **“Device Management”**. On the displayed page, a device icon can be dragged to sort the display order of the devices. The user can also press and hold a device on the Home page to navigate to the page for device management. Multiple devices can be selected and deleted in the same operation.
2. To manage rooms, tap the **“More icon (...)”** next to the devices on the Home page, then select **“Room Management”**. On the displayed page, tap the management icon in the top right corner of the page. To sort the display order of a room, drag the **hamburger icon (≡)** on the right side of the room name. To remove a room, tap the **minus icon (-)** before the room.
3. In the device list, if a device is greyed out, the device is offline. Otherwise, the device is online.

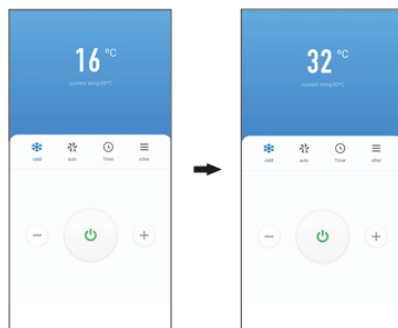
Quickly use common features

1. The grid view and list view can be set on the Home page, and the device can be turned on or off by tapping the switch icon.



2. Enter the device control interface

2.1 The upper center of the control interface displays the current set temperature of the air conditioner and the indoor ambient temperature. Touch the “-” and “+” icons below to adjust the set temperature of the air conditioner, and touch the switch icon to turn the device on or off. *The temperature adjustment range is 16°C-32°C under the Auto, Cooling, and Heating modes; the temperature cannot be adjusted under the Dry and Fan modes.*



2.2 There are five working modes: **Auto**, **Cooling**, **Heating**, **Dry** and **Fan**, and four wind speed options are: **Auto**, **Low**, **Medium**, and **High** (Note: in Dry mode, the fan speed is set to Low).

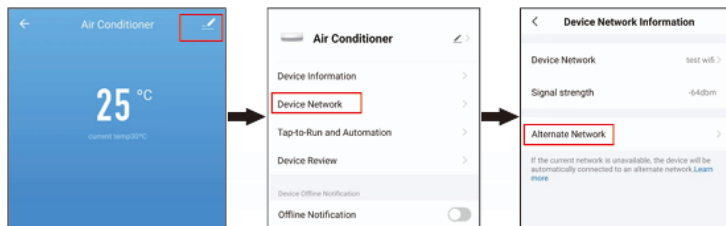


2.3 Touch the timer icon to set the air conditioner to *turn off after 1-24 hours* or *turn on after 1-24 hours*. Touch the “Other” icon to set the air conditioner to enter **Sleep mode** or **Turbo mode**, and to control **vertical swing** and **horizontal swing** (Note: in Dry mode, vertical swing is fixed and cannot be adjusted).

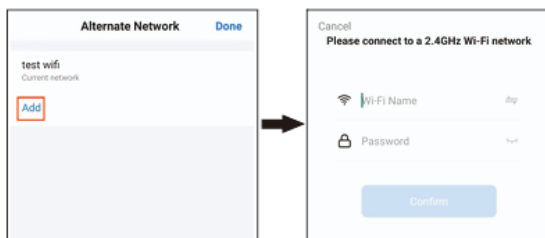


Change networks

1. Tap “**Device Network**” on the device management page. On the Device Network Information page, tap “**Alternate Network**”.



2. Select the alternate network to be used, enter the Wi-Fi password, and tap “**Confirm**”. If the current network is unavailable, the device will automatically connected to the alternate network. *This feature only applies to Wi-Fi devices. The firmware must be updated to the latest version before this option is available on the device management page. The firmware is being developed and will be supported in the near future.*



Reset the network

If the red light on the Wi-Fi module does not blinking rapidly, then we should reset the network.

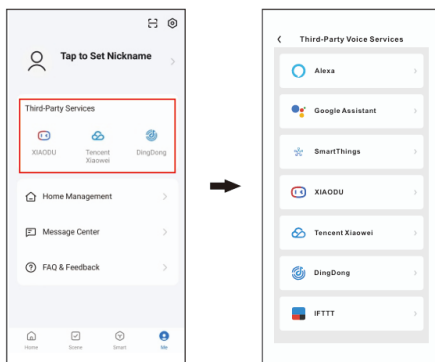
Step 1: Use the remote controller to set the air conditioner to “**Cooling Mode**” and set the temperature to 25°C, then press the “**Air Flow**” button 6 times.

Step 2: After the display lamp board shows “...” and the buzzer rings twice, turn the power off and turn on after 5 seconds. At this time, the Cloud icon of display lamp board is off, it means the red light on the Wi-Fi module blinks rapidly, which in turn means the reset is successful.

1. If you would like to change the network, bind a device, or remove the binding and connect the network again, you should reset the network first.
2. Once the app configuration has been successfully completed, a confirmation message will be displayed. The names of devices that have been configured successfully can be changed, and the locations of the rooms where the corresponding devices also can be selected.
3. Note: This device only supports one configuration that is Default mode (*rapid flashing*). It does not support *AP mode* (*slow flashing*) and does not support configuration reset by long pressing the **reset button** (as indicated in the app instructions “How to make the blink quickly/slowly”).
Using AP mode or performing an incorrect reset operation may result in device malfunction.

Third-party voice services

Choose **Me > Third-Party Voice Services > More**. On the displayed page, link the application with a supported third-party voice assistant.



The logo for Termet, featuring the word "termet" in a bold, white, lowercase sans-serif font, followed by a registered trademark symbol (®). The logo is set against a dark gray square background with rounded corners.

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