VISSANI™

USE AND CARE GUIDE

PORTABLE AIR CONDITIONER

Safety Information

READ THIS MANUAL

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventive care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review our chart of Troubleshooting Tips first, you may not need to call for service at all.

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage. The seriousness is classified by the following indications.

WARNING: This symbol indicates the possibility of death or serious injury.

CAUTION: This symbol indicates the possibility of injury or damage to property.

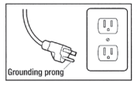
WARNING:
- Plug in power plug properly. Otherwise, it may cause electric shock or fire due to excess heat generation.
- Do not operate or stop the unit by inserting or pulling out the power plug. It may cause electric shock or fire due to heat generation.
- Do not use damaged or an unspecified power cord.
  - It may cause electric shock or fire.
  - If the power cord is damaged, it must be replaced, contact a service center or a similarly qualified person in order to avoid a hazard.

WARNING:
- Always install circuit breaker and a dedicated power circuit. Incorrect installation may cause fire and electric shock.
- Do not operate with wet hands or in damp environment. It may cause electric shock.
- Do not direct airflow at room occupants only. This could damage your health.
- Always ensure effective grounding. Incorrect grounding may cause electric shock.
- Do not allow water to run into electric parts. It may cause failure of machine or electric shock.
- Do not modify power cord length or share the outlet with other appliances. It may cause electric shock or fire due to heat generation.
- Unplug the unit if strange sounds, smell, or smoke comes from it. It may cause fire and electric shock.
- Do not use the socket if it is loose or damaged. It may cause fire and electric shock.
- Do not open the unit during operation. It may cause electric shock.
- Keep firearms away. It may cause fire.
- Do not use the power cord close to heating appliances. It may cause fire and electric shock.
- Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc. It may cause an explosion or fire.
- Ventilate room before operating air conditioner if there is a gas leakage from another appliance. It may cause explosion, fire, and burns.
- Do not disassemble or modify unit. It may cause failure and electric shock.

CAUTION:
- When the air filter is to be removed, do not touch the metal parts of the unit. It may cause an injury.
- Ventilate the room well when used together with a stove, etc. An oxygen shortage may occur.
- Do not clean the air conditioner with water. Water may enter the unit and degrade the insulation. It may cause an electric shock.
- Stop operation and close the window in storm or hurricane. Operation with windows opened may cause wetting of indoors and soaking of household furniture.
- Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure. If bracket is damaged, there is concern of damage due to falling of unit.
- Hold the plug by the head of the power plug when taking it out. Pulling on the cord may cause electric shock and damage.
- Do not place obstacles around air inlets or inside of air outlet. It may cause failure of appliance or accident.
- Do not drink water drained from air conditioner. It contains contaminants and could make you sick.
- If water enters the unit, turn the unit off at the power outlet and switch off the circuit breaker. Unplug the air conditioner and contact a qualified service technician.
- Do not put a pet or house plant where it will be exposed to direct air flow.
- Do not use strong detergent such as wax or thinner. Appearance may be deteriorated due to change of product color or scratching of its surface.
- Do not use for special purposes. Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.
- When the unit is to be cleaned, switch off, and turn off the circuit breaker. Do not clean unit when power is on as it may cause fire and electric shock, and it may cause an injury.
- Always insert the filters securely. Clean filter once every two weeks. Operation without filters may cause failure.
- Turn off the main power switch when not using the unit for a long time. It may cause failure of product or fire.
- Do not place heavy object on the power cord and ensure that the cord is not compressed. There is danger of fire or electric shock.
- Use caution when unpacking and installing. Sharp edges could cause injury.

CAUTION:
- 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.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- The appliance shall be installed in accordance with national wiring regulations.
- Do not operate your air conditioner in a wet room such as a bathroom or laundry room.
- Do not operate the louvers with your hands, it may cause an injury.
- The appliance with electric heater shall have at least 3 feet (1 meter) space from to the combustible materials.
- Contact the authorized service technician for repair or maintenance of this unit. Contact the authorized installer for installation of this unit.

WARNING: Avoid fire hazard or electric shock. Do not use an extension cord or an adaptor plug. Do not remove any prong from the power cord. The complete electrical rating of your new room air conditioner is stated on the serial plate. Refer to the rating when checking the electrical requirements.
- Be sure the air conditioner is properly grounded. To minimize shock and fire hazards, proper grounding is important. The power cord is equipped with a three-prong grounding plug for protection against shock hazards.
- The air conditioner must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle. Ensure the receptacle is accessible after the unit installation.
- Do not run air conditioner without side protective cover in place. This could result in mechanical damage within the air conditioner.
- Do not use an extension cord or an adapter plug.



WARNING: For Your Safety
Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.

WARNING: Prevent Accidents
To reduce the risk of fire, electrical shock, or injury to persons when using your air conditioner, follow basic precautions, including the following:
- Be sure the electrical service is adequate for the model you have chosen. This information can be found on the serial plate, which is located on the side of the cabinet and behind the grille.
- If the air conditioner is to be installed in a window, you will probably want to clean both sides of the glass first. If the window is a triple-track type with a screen panel included, remove the screen completely before installation.
- Be sure the air conditioner has been securely and correctly installed according to the installation instructions in this manual. Save this manual for possible future use in removing or installing this unit.
- When handling the air conditioner, be careful to avoid cuts from sharp metal fins on front and rear coils.

NOTE: The power supply cord with this air conditioner contains a current detection device designed to reduce the risk of fire. In the event that the power supply cord is damaged, it cannot be repaired. It must be replaced with a cord from the product manufacturer.

OPERATION OF CURRENT DEVICE

(Applicable to units with current detection device only.)

The power supply cord contains a current detection device that senses damage to the power cord. To test your power supply cord, do the following:

1. Plug in the air conditioner.
2. The power supply cord will have TWO buttons on the plug head. Press the TEST button; you will notice a click as the RESET button pops out.
3. Press the RESET button again; you will notice a click as the button engages.
4. The power supply cord is now supplying electricity to the unit. (On some products, this it also indicated by a light on the plug head.)

NOTE:
- Do not use this device to turn the unit on or off.
- Always make sure the RESET button is pushed in for correct operation.
- The power supply must be replaced if it fails reset when either the TEST button is pushed, or it cannot be reset. A new one can be obtained from the product manufacturer.
- If power supply cord is damaged, it cannot be repaired. It MUST be replaced by one obtained from the product manufacturer.

This air conditioner is designed to be operated under conditions as follows:

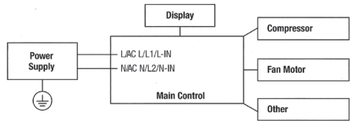
MODE	Temperature Range
Cool	16-35°C (60-95°F)
Dry	13-35°C (55-95°F)

Note: Performance may be reduced outside of those operating temperatures.

ELECTRONIC WORK

WARNING: Before performing any electrical or wiring work, turn off the main power to the system.

NOTE: Please strictly follow the wiring label attached to the machine for all wiring connections. The wiring diagram may vary for different unit. Please refer to the wiring diagram on the machine you have purchased. The above wiring diagram is a simplified version for preliminary illustration purposes only.



WARNING FOR USING R32 REFRIGERANT:
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance) and ignition sources or (for example: an operating electric heater) close to the appliance. The appliance shall be stored in a room without continuously operating ignition sources (for example: open flames, an operating gas appliance, or an operating electric heater).
- Do not pierce or burn.
- Be aware that the refrigerants may not contain an odor.
- Appliance should be installed, operated and stored in a room with a floor area according to the amount of refrigerant to be charged. For specific information on the type of gas and the amount, please refer to the relevant label on the unit itself. When there are differences between the label and the manual on the Min. room area description, the description on label shall prevail.
- Appliance shall be installed, operated, and stored in a room with a floor area larger than 4 m.
- Appliance shall not be installed in an unventilated space, if that space is smaller than 4 m.
- No open fire or device like switch which may generate spark/arcing shall be around appliance to avoid causing ignition of the flammable refrigerant used. Please follow the instructions carefully when storing or maintaining the appliance to prevent mechanical damage from occurring.

CAUTION: Risk of fire/flammable materials.

IMPORTANT: Read this manual carefully before installing or operating your new air conditioning unit. Make sure to save this manual for future reference.

Explanation of symbols displayed on the unit:

	CAUTION	This symbol shows that the operation manual should be read carefully.
	CAUTION	This symbol shows that service personnel 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.

WARNINGS: (FOR UNITS USING R32 REFRIGERANT)
- Servicing shall only be performed as recommended by the equipment manufacturer. Maintenance and repair requiring the assistance of other skilled personnel shall be carried out under the supervision of the person competent in the use of flammable refrigerants.
- DO NOT modify the length of the power cord or use an extension cord to power the unit.
- DO NOT share a single outlet with other electrical appliances. Improper power supply can cause fire or electrical shock.
- Please follow the instruction carefully to handle, install, clear, service the appliance to avoid any damage or hazard.
- When maintaining or disposing the appliance, the refrigerant shall be recovered properly, shall not discharge to air directly.
- Compliance with national gas regulations shall be observed.
- Keep ventilation openings clear of obstruction.
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- A warning that the appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.
- Any person who is involved with working on or breaking into a refrigerant circuit should hold a current valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with an industry recognized assessment specification. All training shall follow the ANNEX HH requirements of UL 60335-2-40 4th Edition.
- Examples for such working procedures are:
  - breaking into the refrigerating circuit;
  - opening of sealed components;
  - opening of ventilated enclosures.

TRANSPORT OF EQUIPMENT CONTAINING FLAMMABLE REFRIGERANTS

See transport regulations.

MARKING OF EQUIPMENT USING SIGNS

See local regulations.

DISPOSAL OF EQUIPMENT USING FLAMMABLE REFRIGERANTS

See national regulations.

STORAGE OF EQUIPMENT/APPLIANCES

The storage of the appliance should be in accordance with the applicable regulations or instructions, whichever is more stringent.

STORAGE OF PACKED (UNSOLD) EQUIPMENT

Storage package protection should be constructed such 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 local regulations.

INFORMATION ON SERVICING

1. Checks to the area: Prior to beginning work on systems containing flammable refrigerants, safety checks are necessary to ensure that the risk of ignition is minimized. For repair to the refrigerating system, the following precautions shall be complied with prior to conducting work on the system.
2. Work procedure: Work shall be undertaken under a controlled procedure so as to minimize the risk of a flammable gas or vapor being present while the work is being performed.
3. General work area: 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 within the area have been made safe by control of flammable material.
4. Checking for presence of refrigerant: The area shall be checked with an appropriate refrigerant detector prior to and during work, to ensure the technician is aware of potentially flammable atmospheres. Ensure that the leak detection equipment being used is suitable for use with flammable refrigerants, i.e. non-sparking, adequately sealed or intrinsically safe.
5. Presence of fire extinguisher: If any hot work is to be conducted on the refrigeration equipment or any associated parts, appropriate fire extinguishing equipment shall be available to hand. Have a dry powder or CO_2 fire extinguisher adjacent to the charging area.
6. No ignition sources: No person carrying out work in relation to a refrigeration system which involves exposing any pipe work that contains or has 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, should 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 work taking place, the area around the equipment is to be surveyed to make sure that there are no flammable hazards or ignition risks. No Smoking signs shall be displayed.
7. Ventilated area: Ensure that the area is in the open or that it is adequately ventilated before breaking into the system or conducting any hot work. A degree of ventilation shall continue during the period that the work is carried out. The ventilation should safely disperse any released refrigerant and preferably expel it externally into the atmosphere.
8. Checks to the refrigeration equipment: Where electrical components are being changed, they shall be fit for the purpose and to the correct specification. At all times the manufacturer's maintenance and service guidelines shall be followed. If in doubt consult the manufacturer's technical department for assistance. The following checks shall be applied to installations using flammable refrigerants: 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. If an indirect refrigerating circuit is being used, the secondary circuit shall be checked for the presence of refrigerant. Marking to the equipment continues to be visible and legible. Markings and signs that are illegible shall be corrected. Refrigeration pipe or components are installed in a position where they are unlikely to be exposed to any substance which may corrode refrigerant containing components, unless the components are constructed of materials which are inherently resistant to being corroded or are suitably protected against being so corroded.
9. Checks to electrical devices: Repair and maintenance to electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise safety, then no electrical supply shall be connected to the circuit until it is satisfactorily dealt with. If the fault cannot be corrected immediately but it is necessary to continue operation, an adequate temporary solution shall be used. This shall be reported to the owner of the equipment so all parties are advised. Initial safety checks shall include: That capacitors are discharged: this shall be done in a safe manner to avoid possibility of sparking. That no live electrical components and wiring are exposed while charging, recovering or purging the system. That there is continuity of earth bonding.

SEALED ELECTRICAL COMPONENTS SHALL BE REPLACED.

INTRINSICALLY SAFE COMPONENTS MUST BE REPLACED.

CABLING

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.

DETECTION OF FLAMMABLE REFRIGERANTS

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 systems containing flammable refrigerants. Electronic leak detectors shall be used to detect flammable refrigerants, but the sensitivity may not be adequate, or may need recalibration. (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 shall be set at a percentage of the LFL of the refrigerant and shall be calibrated to the refrigerant employed and the appropriate percentage of gas (25% maximum) is confirmed. 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 pipework. If a leak is suspected, all naked flames shall be removed/ extinguished. 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.

REMOVAL AND EVACUATION

When breaking into the refrigerant circuit to make repairs—or for any other purpose - conventional procedures shall be used. However, for flammable refrigerants it is important that best practice be followed, since flammability is a consideration. The following procedure shall be adhered to:
- Safely remove refrigerant following local and national regulations;
- Evacuate;
- Purge the circuit with inert gas (optional for A2L);
- Evacuate (optional for A2L);
- Continuously flush or purge with inert gas when using flame to open circuit;
- Open the circuit.

The refrigerant charge shall be recovered into the correct recovery cylinders if venting is not allowed by local and national codes. For appliances containing flammable refrigerants, the system shall be purged with oxygen-free nitrogen to render the appliance safe for flammable refrigerants. This process might need to be repeated several times.compressed air or oxygen shall not be used for purging refrigerant systems.
For appliances containing flammable refrigerants, refrigerants purging shall be achieved by breaking the vacuum in the system with oxygen-free nitrogen and continuing to fill until the working pressure is achieved, then venting to atmosphere, and finally pulling down to a vacuum (optional for A2L). This process shall be repeated until no refrigerant is within the system (optional for A2L). When the final oxygen-free nitrogen charge is used, the system shall be vented down to atmospheric pressure to enable work to take place. The outlet for the vacuum pump shall not be close to any potential ignition sources, and ventilation shall be 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 complete (if not already). Extreme care shall be taken not to overfill the refrigeration system. Prior to recharging the system it shall be pressure tested with OFN. 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 is completely familiar with the equipment and all its detail. It is recommended good practice that all refrigerants are recovered safely. Prior to the task being carried out, an oil and refrigerant sample shall be taken in case analysis is required prior to re-use of reclaimed refrigerant. It is essential that electrical power is available before the task is commenced.

1. Become familiar with the equipment and its operation.
2. Isolate system electrically.
3. Before attempting the procedure ensure that:
   - 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 times by a competent person.
   - Recovery equipment and cylinders conform to the appropriate standards.
4. Pump down refrigerant system, if possible.
5. If a vacuum is not possible, make a manifold so that refrigerant can be removed from various parts of the system.
6. Make sure that cylinder is situated on the scales before recovery takes place.
7. Start the recovery machine and operate in accordance with manufacturer's instructions.
8. Do not overfill cylinders. (No more than 80% volume liquid charge).
9. Do not exceed the maximum working pressure of the cylinder, even temporarily.
10. When the cylinders have 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.
11. Recovered refrigerant shall not be charged into another refrigeration system unless it has been cleaned and checked.

LABELING

Equipment shall be labeled stating that it has been decommissioned and emptied of refrigerant. The label shall be dated and signed. Ensure that there are labels on the equipment stating the equipment contains flammable refrigerant.

RECOVERY

When removing refrigerant from a system, either for servicing or decommissioning, it is recommended good practice that all refrigerants are removed safely.

When transferring refrigerant into cylinders, ensure that only appropriate refrigerant recovery cylinders are employed. Ensure that the correct number of cylinders for holding the total system charge is available. All cylinders to be used are designated for the recovered refrigerant and labeled for that refrigerant (i.e., special cylinders for the recovery of refrigerant). Cylinders shall be complete with pressure relief valve and associated shut-off valves in good working order. Empty recovery cylinders are evacuated and, if possible, cooled before recovery occurs.

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. In addition, a set of calibrated weighing scales shall be available and in good working order.

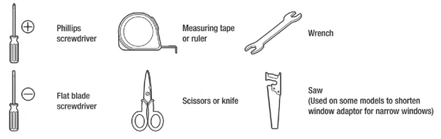
Hoses shall be complete with leak-free disconnect couplings and in good condition.

Before using the recovery machine, check that it is in satisfactory working order, has been properly maintained and that any associated electrical components are sealed to prevent ignition in the event of a refrigerant release. Consult manufacturer if in doubt.

The recovered refrigerant shall be returned to the refrigerant supplier in the correct recovery cylinder, and the relevant Waste Transfer Note arranged. Do not mix refrigerants in recovery units and especially not in cylinders. If compressors or compressor oils 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 to the compressor body shall be employed to accelerate this process. When oil is drained from a system, it shall be carried out safely.

Pre-Installation

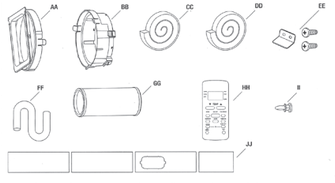
TOOLS REQUIRED (TOOLS NOT INCLUDED)



HARDWARE INCLUDED

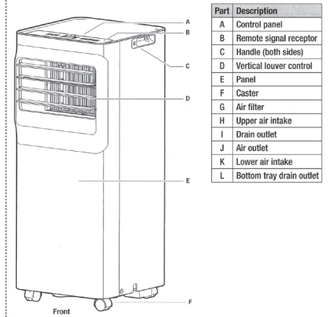
NOTE: Hardware not shown to actual size.

Part	Description
AA	Unit adaptor
BB	Window slider adaptor
CC	Foam seal A (Adhesive)
DD	Foam seal C (Non-adhesive)
EE	Security bracket and screws
FF	Drain hose
GG	Exhaust hose
HH	Remote control (only for remote control models)
II	Bolt
JJ	Window Sliders

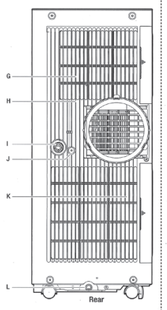


- Accessory type and quantity may vary depending on the model. -

PACKAGE CONTENTS



Part	Description
A	Control panel
B	Remote signal receptor
C	Handle (both sides)
D	Vertical louver control
E	Panel
F	Caster
G	Air filter
H	Upper air intake
I	Drain outlet
J	Air outlet
K	Lower air intake
L	Bottom tray drain outlet



DESIGN NOTICE

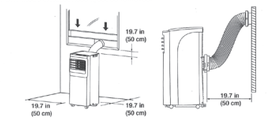
In order to ensure the optimal performance of our products, the design specifications of the unit and remote control are subject to change without prior notice. All illustrations in this manual are for explanation purpose only. Your machine may be slightly different. The actual shape shall prevail. The unit can be controlled by the unit control panel alone or with the remote controller. This manual does not include Remote Controller Operations, see the "Remote Controller Instruction" packed with the unit for details.

AMBIENT TEMPERATURE RANGE FOR OPERATION

MODE	Temperature Range
Cool	16-35°C (60-95°F)
Dry	13-35°C (55-95°F)

EXHAUST HOSE INSTALLATION

The exhaust hose and adaptor must be installed or removed in accordance with the usage mode. For COOL, or AUTO mode exhaust hose must be installed. For FAN, or DRY mode exhaust hose must be removed.



Your installation location should meet the following requirements:
- Make sure that you install your unit on an even surface to minimize noise and vibration.
- The unit must be installed near a grounded plug, and the collection tray drain (found on the back of the unit) must be accessible.
- The unit should be located at least 12 in. (30 cm) from the nearest wall to ensure proper air conditioning. The horizontal louver blade should be at least 19.7 in. (50 cm) away from obstacles.
- DO NOT cover the Intakes, Outlets or Remote Signal Receptor of the unit, as this could cause damage to the unit.

ENERGY RATING INFORMATION

The energy rating and noise information for this unit is based on the standard installation using an unextended exhaust duct without window slider adaptor (as shown in the Installation section of this manual). At the same time, the unit must be operate on the COOL MODE and HIGH FAN SPEED by remote controller.

HOW TO STAY COOL WITH A NEW PORTABLE AIR CONDITIONER(FOR THE MODELS THAT COMPLY WITH THE REQUIREMENTS OF DEPARTMENT OF ENERGY IN US)

Because of a new federal test procedure for Portable Air Conditioners, you may notice that the cooling capacity claims on portable air conditioner packaging are significantly lower than that of models produced prior to 2017. This is due to changes in the test procedure, not to the portable air conditioners themselves.

WHAT SHOULD I LOOK FOR FIRST WHEN PURCHASING A PORTABLE AIR CONDITIONER?

The right air conditioner helps you cool a room efficiently. An undersized unit won't cool adequately while one that's too large will not remove enough humidity, leaving the air feeling damp. To find the proper air conditioner, determine the square footage of the room you want to cool by multiplying the room length by its width. You also need to know the air conditioner's BTU (British Thermal Unit) rating, which indicates the amount of heat it can remove from a room. A higher number means more cooling power for a larger room. (Be sure you are comparing only newer models to each other- older models may appear to have a higher capacity, but are actually the same). Be sure to "size up" if your portable air conditioner will be placed in a very sunny room, in a kitchen, or in a room with high ceilings. After you've found the right cooling capacity or your room, you can look at other features.

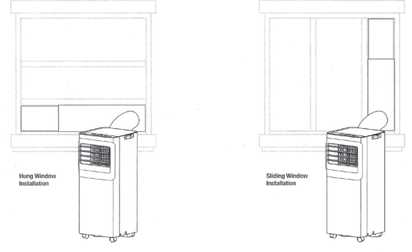
WHY IS THE COOLING CAPACITY LOWER ON NEWER MODELS THAN ON OLDER UNITS?

Federal regulations require manufacturers to calculate cooling capacity based on a specific test procedure, which was changed just this year. Models manufactured before 2017 were tested under a different procedure and cooling capacity is measured differently than in prior years' models. So, while the BTUs may be lower, the actual cooling capacity of the air conditioners has not changed.

WHAT IS SACC?

SACC is the representative value of Seasonally Adjusted Cooling Capacity, in BTU/H, as determined in accordance with the Department of Energy (DOE) test procedure at title 10 Code of Federal Regulations (CFR) 430, subpart B, appendix CC and applicable sampling plans.

INSTALLATION OVERVIEW



Installation

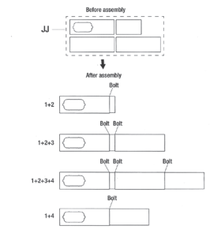
1 Prepare the Exhaust Hose assembly

- Press the exhaust hose (GG) (or extended exhaust hose) into the window slider adaptor (BB) (or wall exhaust adaptor) and unit adaptor (AA). Clamp automatically by elastic buckles of the adaptors.



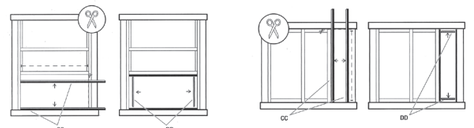
2 Preparing the Adjustable Window Slider

- Choose the window sliders according the size of your window. Sometimes, it needs to be cut short to meet the window size, please take extra care to cut it properly.
- Use bolts (||) to fasten the window sliders (JJ) once they are adjusted to the proper length.



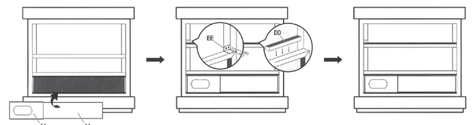
3 Install Adhesive Foam Seal

- Cut the adhesive foam seal A (CC) and B (CC) strips to the proper lengths, and attach them to the window sash and frame as shown.



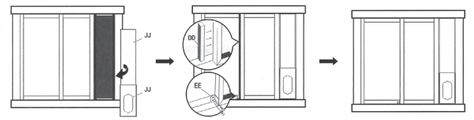
4a Install Window Slider (Hung Window Installation)

- Insert the window slider (JJ) assembly into the window opening.
- Cut the non-adhesive foam seal C (DD) strip to match the width of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.
- Install the security bracket (EE) with 2 screws as shown. (Optional)



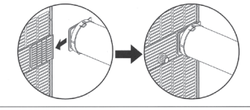
4b Install Window Slider (Sliding Window Installation)

- Insert the window slider (JJ) assembly into the window opening.
- Cut the non-adhesive foam seal C (DD) strip to match the height of the window. Insert the seal between the glass and the window frame to prevent air and insects from getting into the room.
- Install the security bracket (EE) with 2 screws as shown. (Optional)



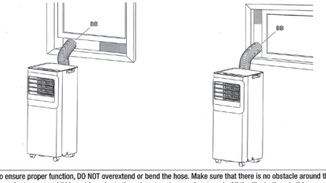
5 Install the Exhaust hose assembly to the unit

- Push the Exhaust hose (BB) into the air outlet opening of the unit along the arrow direction.



6 Install Window Slider Adaptor

- Insert the window slider adaptor (BB) into the hole of the window slider (JJ).



NOTE: To ensure proper function, DO NOT overextend or bend the hose. Make sure that there is no obstacle around the air outlet of the exhaust hose (in the range of 500 mm) In order to the exhaust system works properly. All the illustrations in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.



The images shown in this manual are for illustrative purposes only and may be subject to change.

Operation

NOTE: The following control panels are for explanation purpose only. The control panel of the unit you purchased may be slightly different according to the models. Your machine may not contain some indicators or buttons. The actual shape shall prevail.

1 Using the Control Panel



POWER button

Power switch on/off.
When the machine is turned on, you can start 'Go to Wi-Fi Setup' on APP. The Wi-Fi indicator light will turn on after success.

NOTE: If you want to restart 'Go to Wi-Fi Setup' , keep pressing the power button for 5s, then the LED will show AP and Wi-Fi indicator will flash, which means you can do the reset.

MODE function

Selects the appropriate operating mode. Each time you press the button, the mode is selected in a sequence that goes from AUTO, DRY, COOL and FAN, The mode indicator light illuminates under the different mode setting.

NOTE: In AUTO mode, the FAN speed will be adjusted automatically.

UP and DOWN buttons

Used to adjust (increasing/decreasing) temperature settings in 1°C/2°F (or 1°F) increments in a range of 16°C/60°F to 30°C/88°F (or 86°F).

NOTE: The control is capable of displaying temperature in degrees Fahrenheit or degrees Celsius. To convert from one to the other, press and hold the Up and Down buttons at the same time for 3 seconds.

Display

Shows the set temperature while on Cool, or Auto mode. It shows the room temperature on DRY and FAN modes.

Shows Error codes:

- EH00 — EEPROM error.
- EH60 — Room temperature sensor error.
- EH61 — Evaporator temperature sensor error.
- EC52 — Condenser temperature sensor error (on some models).
- EH0b — Display panel communication error.
- EC — Refrigerant leakage detection malfunction(on some models).

Shows protection code:

- P1 — Bottom tray is full. Connect the drain hose and drain the collected water away.

If protection repeats, Contact a service center.

NOTE: When one of the above malfunctions occurs, turn off the unit, and check for any obstructions. Restart the unit, if the malfunction is still present, turn off the unit and unplug the power cord. Contact a service center or a similar qualified person for service.

Cool ➡ **COOL mode**

Press the "MODE" button until the "Cool" indicator light comes on.

Press the ADJUST buttons "+" or "-" to select your setting.

Dry ➡ **DRY mode**

Press the "MODE" button until the "Dry" indicator light comes on. In this mode, the fan speed or the temperature cannot be adjusted. The fan motor operates at AUTO speed.

NOTE: Keep windows and doors closed for the better dehumidifying effect.

Ⓐ Auto ➡ **AUTO mode**

Press the "MODE" button until the "Auto" indicator light comes on. In this mode, the fan speed or the temperature will be adjusted automatically.

Fan ➡ **FAN function**

Press the "Fan button" to control the fan speed in four steps HIGH, LOW, Cont, and AUTO. The fan speed indicator light illuminates under different fan settings.

Continuous Fan function

In COOL or DRY modes, press the Fan button for 3 seconds to turn on or off the continuous fan function. When the function is turned on, the Cont. fan light will illuminate, indicating the fan will run continuously. When the function is turned off, the Cont. fan light will go out, indication the fan will stop when the compressor stops.

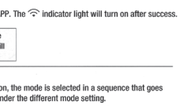
I SENSE feature

This feature can be activated from the remote control ONLY. There is no indicator light on the control panel. The remote control serves as a remote thermostat allowing for the precise temperature control at its location. To activate the I SENSE feature, point the remote control towards the unit and press the I SENSE button. The remote control will send this signal to the AC until press the I SENSE button again. If the unit does not receive the I SENSE signal during any 7 minutes interval, the unit will exit the I SENSE mode.

NOTE: This feature is unavailable under FAN or DRY mode.

2 Dry Mode

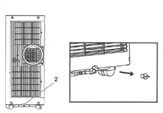
- During dry mode, remove the drain plug (1) from the back of the unit, install the drain connector (5/8" universal female mender) with 3/4" hose (locally purchased). Place the open end of the hose directly over the drain in your basement floor.



NOTE: Make sure the hose is secure so there are no leaks. Direct the hose toward the drain, making sure that there are no kinks that will stop the water flowing. Place the end of the hose into the drain and make sure the end of the hose is down to let the water flow smoothly. When the continuous drain hose is not used, ensure that the drain plug and knob are installed firmly to prevent leakage.

3 Water Collection Tray Drainage

- When the water level of the bottom tray reaches a predetermined level, the unit beeps 8 times, the digital display area shows "P1" . At this time the air conditioning/dehumidification process will immediately stop. However, the fan motor will continue to operate(this is normal).
- Carefully move the unit to a drain location, remove the bottom drain plug and let the water drain away. Reinstall the bottom drain plug and restart the machine until the "P1" symbol disappears. If the error repeats, Contact a service center.



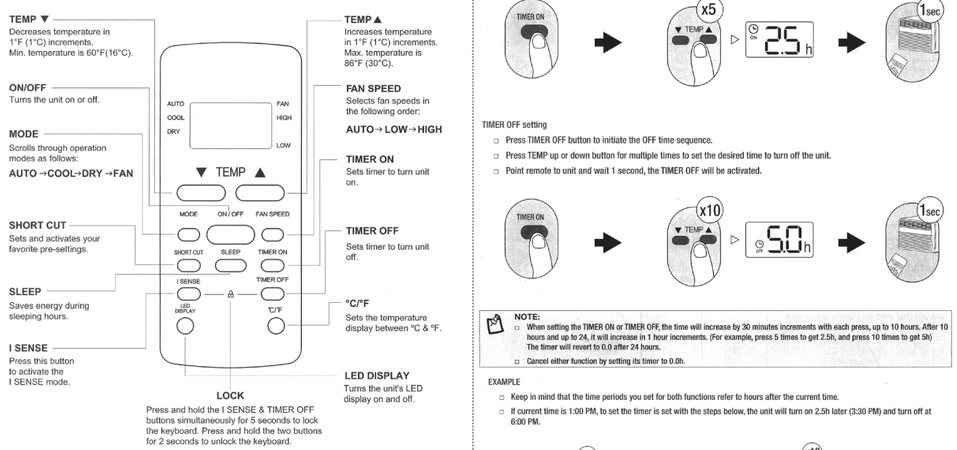
NOTE: Be sure to reinstall the bottom drain plug firmly to prevent leakage before using the unit.

NOTE: The actual descriptions of control panel and their locations may vary depending on the model.

Using the Remote Control

Model	RG51H2(2)/CEFU1-M
Rated Voltage	3.0V (Dry batteries R03/LR03×2)
Signal Receiving Range	8m
Environment	23°F–140°F (-5°C–60°C)

Before you begin using your new air conditioner, make sure to familiarize yourself with the remote control. The following are brief instructions to the remote control itself. For instructions on how to operate your air conditioner, refer to the How to Use Basic Functions section of this manual.

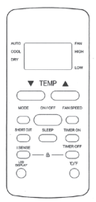


NOTE: The remote control vary depend of model: The buttons on the remote control may have a different name or location than the remote control shows in this manual.

1 Using Cool Mode

IMPORTANT: Before operation, please ensure the unit is plugged in and power is available.

- Press the MODE button to select COOL mode.
- Set your desired temperature using the TEMP ▼ or TEMP ▲ button.
- Press FAN button to select the fan speed: AUTO, LOW or HIGH.



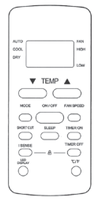
SETTING TEMPERATURE

The operating temperature range for units is 60-86°F (16-30°C). You can increase or decrease the set temperature 1°F (1°C) increments.

2 Using Auto Mode

- In AUTO mode, the unit will automatically select the COOL or FAN operation based on the set temperature.
- Press the MODE button to select AUTO.
- Set your desired temperature using the TEMP ▼ or TEMP ▲ button.

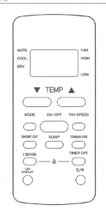
NOTE: FAN SPEED can't be set in AUTO mode.



3 Using Fan Mode

- Press the MODE button to select FAN mode.
- Press FAN button to select the fan speed: AUTO, LOW, or HIGH.

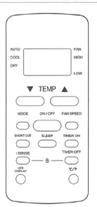
NOTE: You can't set temperature in FAN mode. As a result, your remote control's LCD screen will not display temperature.



4 Using Dry Mode

- Press the MODE button to select DRY.
- Set your desired temperature using the TEMP ▼ or TEMP ▲ button.

NOTE: FAN SPEED cannot be changed in DRY mode.



5 Using the Timer

- Use the timer to set the amount of time after which the unit will automatically turn on/off.

TIMER ON setting

- Press TIMER ON button to initiate the ON time sequence.
- Press TEMP up or down button for multiple times to set the desired time to turn on the unit.
- Point remote to unit and wait 1 second, the TIMER ON will be activated.

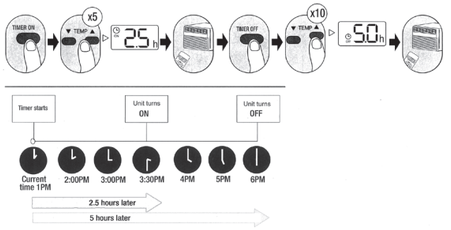
TIMER OFF setting

- Press TIMER OFF button to initiate the OFF time sequence.
- Press TEMP up or down button for multiple times to set the desired time to turn off the unit.
- Point remote to unit and wait 1 second, the TIMER OFF will be activated.

NOTE:
- When setting the TIMER ON or TIMER OFF, the time will increase by 30 minutes increments with each press, up to 10 hours. After 10 hours and up to 24, it will increase in 1 hour increments. (For example, press 5 times to get 2.5h, and press 10 times to get 5h) The timer will revert to 0.0 after 24 hours.
- Cancel either function by setting its timer to 0.0h.

EXAMPLE

- Keep in mind that the time periods you set for both functions refer to hours after the current time.
- If current time is 1:00 PM, to set the timer is set with the steps below, the unit will turn on 2.5h later (3:30 PM) and turn off at 6:00 PM.



6 Using I SENSE

- Press I SENSE button.
- When the I SENSE function is activated, the remote display is the actual temperature at its location. The remote control will send this signal to the air conditioner in 3 minute intervals until press the I SENSE button again.



7 Using the °C/°F button

- Press this button to alternate the temperature display between the °C & °F.



8 Using the LED Display

- Press the LED Display button to turn on and turn off the display on the indoor unit.



9 Using the Short Cut setting

- Used to quickly restore favorite settings or set new favorite settings.
- Press and hold for 2 seconds to save current settings, including operating mode, set temperature, fan speed level, and sleep feature (if activated) under the Short Cut button. Pressing the Short Cut button once will automatically restore all last saved settings.



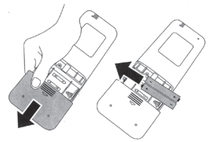
10 Using the Sleep Function

- The SLEEP function is used to decrease energy use while you sleep (and don't need the same temperature settings to stay comfortable). This function can only be activated with the remote control.
- The sleep function is not available in Fan or Dry mode.
- Sleep Mode runs the product for 8 hours use lower fan speeds and automatic temperature adjustments, and then turns off.



11 Inserting and Replacing Batteries

- Put the batteries in the remote control before use. (Batteries not included)
- Slide the back cover from the remote control downward, exposing the battery compartment.
- Insert the batteries, paying attention to match up the (+) and (-) ends of the batteries with the symbols inside the battery compartment.
- Slide the battery cover back into place.



NOTE: For optimum product performance:
- Do not mix old and new batteries, or batteries of different types.
- Do not leave batteries in the remote control if you don't plan on using the device for more than 2 months.

NOTE: Do not dispose of batteries as unsorted municipal waste. Refer to local laws for proper disposal of batteries.

Tips for using remote control

- The remote control must be used within 8 meters of the unit.
- The unit will beep when remote signal is received.
- Curtains, other materials and direct sunlight can interfere with the infrared signal receiver.
- Remove batteries if the remote will not be used more than 2 months.

NOTE: The device could comply with the local national regulations.

- In Canada, it should comply with CAN ICES-3(B)/NMB-3(B).
- In USA, this device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
  - This device may not cause harmful interference, and
  - This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not approved by the party responsible for compliance could void user's authority to operate the equipment.

FCC Compliance Statement (products subject to Part 15)

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Maintenance

SAFETY PRECAUTIONS

- Always unplug the unit before cleaning or servicing.
- DO NOT use flammable liquids or chemicals to clean the unit.
- DO NOT wash the unit under running water. Doing so causes electrical danger.
- DO NOT operate the machine if the power supply was damaged during cleaning. A damaged power cord must be replaced with a new cord from the manufacturer.

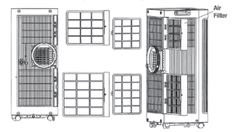
Care and Cleaning

AIR FILTER CLEANING

CAUTION: DO NOT operate the unit without filter because dirt and lint will clog it and reduce performance.

Maintenance Tips

- Be sure to clean the air filter every 2 weeks for optimal performance.
- The water collection tray should be drained immediately after P1 error occurs, and before storage to prevent mold.
- In households with animals, you will have to periodically wipe down the grill to prevent blocked airflow due to animal hair.



UNIT CLEANING

Clean the unit using a damp, lint-free cloth and mild detergent. Dry the unit with a dry, lint-free cloth.

STORE THE UNIT WHEN NOT IN USE

- Drain the unit's water collection tray according to the instructions.
- Run the appliance on FAN mode for 12 hours in a warm room to dry it and prevent mold.
- Turn off the appliance and unplug it.
- Clean the air filter according to the instructions in the previous section. Reinstall the clean, dry filter before storing.
- Remove the batteries from the remote control.

NOTE: Be sure to store the unit in a cool, dark place. Exposure to direct sunshine or extreme heat can shorten the lifespan of the unit.

NOTE: The cabinet and front may be dusted with an oil-free cloth or washed with a cloth dampened in a solution of warm water and mild liquid dishwashing detergent. Rinse thoroughly and wipe dry. Never use harsh cleansers, wax or polish on the cabinet front. Be sure to wring excess water from the cloth before wiping around the controls. Excess water in or around the controls may cause damage to the unit.

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OBPN: 16120300A34014
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Troubleshooting

Problem	Possible Causes	Solution
Unit does not turn on when pressing ON/OFF button	P1 Protection Code	The Water Collection Tray is full. Turn off the unit, drain the water from the Water Collection Tray and restart the unit.
	In COOL mode: room temperature is lower than the set temperature	Reset the temperature
	E0 EEPROM error	Contact the manufacturer or its service agents or a similar qualified person for service.
Unit does not cool well	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
	Exhaust hose is not connected or is blocked	Turn off the unit, disconnect the hose, check for blockage and reconnect the hose
	The unit is low on refrigerant	Call a service technician to inspect the unit and top off refrigerant
	Temperature setting is too high	Decrease the set temperature
	The windows and doors in the room are open	Make sure all windows and doors are closed
	The room area is too large	Double-check the cooling area
	There are heat sources inside the room	Remove the heat sources if possible
	The ground is not level	Place the unit on a flat, level surface
The unit is noisy and vibrates too much	The air filter is blocked with dust or animal hair	Turn off the unit and clean the filter according to instructions
The unit makes a gurgling sound	This sound is caused by the flow of refrigerant inside the unit	This is normal

Hubspace - Application Setup

GETTING STARTED

- Download the Hubspace™ app from the App Store or the Google Play Store to your mobile device.
- Launch the app.
- To register, enter your email address and a password. Or, login if you already have an account.
- Bluetooth access is required for device setup.

VERIFY YOUR NETWORK

- Hubspace only shows Wi-Fi networks that your device can use. Check your network only if an option does not appear during set up.
- This Hubspace device requires a 2.4 GHz Wi-Fi channel.
- Most routers provide a 2.4 GHz Wi-Fi channel.
- If you do not see your Wi-Fi network name when you attempt to connect your device, please check your router settings.

ADD A DEVICE

- In the Hubspace app, tap the plus (+) sign in the upper right corner.
- Scan your product's QR code.
  Scan problem?
  If the QR code cannot be scanned for some reason, you can enter the code manually. Tap Enter Code and follow the instructions.
- Connect your device to power and follow the instructions on screen.

SET UP YOUR VOICE ASSISTANT

- In the Hubspace app, tap the Hubspace button.
- Select the Integrations tab, choose your voice assistant and follow the instructions.

For problems connecting to Hubspace device, see the Troubleshooting section.

Hubspace - Voice Commands

The AC Unit works with Alexa and Google Assistant.

This section lists some of the voice commands you can use.

Alexa

When you want to...	Ask Alexa to...
Turn on the AC Unit only.	… turn on <AC Unit name>.
Turn off the AC Unit only.	… turn off <AC Unit name>.
Set the temperature.	… Set <AC unit name> to <desired temperature>.
	… Increase the <AC unit name> temperature.
	… Decrease the <AC unit name> temperature.
Change system mode.	… Set the <AC unit name> to cool.
	… Set the <AC unit name> to fan.
	… Set the <AC unit name> to dehumidify.

Google

When you want to...	Ask Alexa to...
Turn on the AC Unit only.	… turn on <AC Unit name>.
Turn off the AC Unit only.	… turn off <AC Unit name>.
Set the temperature.	… Set the temperature in the <AC unit name> to <temperature>.
	… Increase the temperature in the <AC unit name> by <number> degrees.
	… Decrease the temperature in the <AC unit name> by <number> degrees.
Change system mode.	… Set the <AC unit name> to cool.
	… Set the <AC unit name> to fan.
	… Set the <AC unit name> to dehumidify.

Hubspace - Troubleshooting

Problem	Solution
My hubspace device is not connecting to Wi-Fi.	Make sure your device is connected to a power source. Your Internet connection or Wi-Fi network may be down.
My device cannot find any Wi-Fi networks.	Make sure you have a 2.4GHz capable Wi-Fi network within range of the device you are trying to add.
My device is in a location that does not have Wi-Fi. Can I still use it with the Hubspace app?	Yes: Use the app on a phone with an Internet connection like LTE. The phone must be within Bluetooth range of your Hubspace device.
I cannot find the QR code.	Look for it where other stickers are on the product.
The QR code has become damaged. How do I add the device?	Under the QR code are numbers. You can enter those in manually instead of scanning the code.
How do I reset the device?	Remove the device from your account, then add it back. Devices also reset when they transfer to a new account.
A device is on another account. How do I transfer it?	Scan the QR code and it will transfer to your account.
My device is offline for long periods of time.	Make sure your Wi-Fi signal strength is sufficient. You may need to move your router, use mesh Wi-Fi, or Wi-Fi extenders.
The device is on and I scanned the QR code, but the app cannot connect to it.	Scan the QR code and it will transfer to your account.
Can I scan the same QR code to add multiple products?	No. Each product has a unique QR code.