

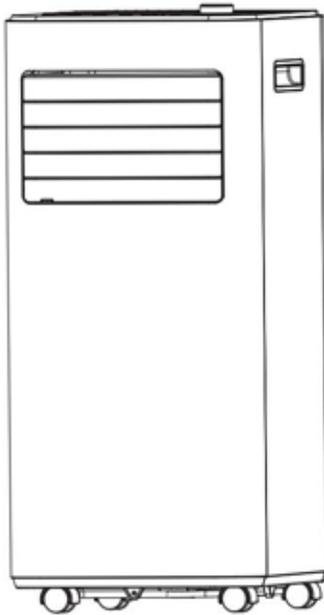


PORTABLE AIR CONDITIONER

⚠ CAUTION! WARNING: Read all instructions before use this device.

Model# 048-OPAC-5

USER'S MANUAL



NOTICE:

If your package is missing parts or you are having issues with assembly, please call Della directly at 800-863-4143. The Della customer service team will address any questions or concerns you may have. Have this manual open and ready for reference. Product appearance and color may vary from pictures. Keep the manual properly for future reference.

CUSTOMER SERVICE:

800-863-4143
9:00AM - 6:00PM PST (Monday - Friday)

Email: manufacturer@dellausa.com
www.dellahome.com

CONTENTS

1. BEFORE YOU BEGIN
2. FOR YOUR SAFETY
3. PRODUCT OVERVIEW
4. INSTALLATION
5. OPERATION
6. CLEANING AND CARE
7. TROUBLESHOOTING
8. DECOMMISSIONING

1. BEFORE YOU BEGIN

1.1 PRODUCT DESCRIPTION

Our powerful portable air conditioners are great cooling solutions for single rooms, creating a comfortable atmosphere in your space. It also has ventilation and dehumidifying functions for circulating air and removal of moisture. They're self-contained systems that do not require any permanent installation allowing you to move to the space in which it is most needed. They're commonly used in kitchens, temporary-resided, computer rooms, garages, and many other places where installation of Air-conditioner Outdoor unites is limited.

The environmentally friendly R32 is used as the refrigerant. R32 has no damaging influence on the ozone layer (ODP), a negligible greenhouse effect (GWP) and is available worldwide. Because of its efficient energy properties, R32 is highly suitable as a coolant for this application. Special precautions must be taken into consideration due to the coolant's high flammability.

1.2 SYMBOLS FROM THE UNIT AND USER MANUAL



warning

This unit uses a flammable refrigerant.

If refrigerant leaks and comes in contact with fire or heating part, it will create harmful gas and there is risk of fire.



Read the USER MANUAL carefully before operation.



Further information is available in the USER MANUAL, SERVICE MANUAL, and the like.



Service personnel are required to carefully read the USER MANUAL and SERVICE MANUAL before operation.

THE FOLLOWING SHOULD ALWAYS BE OBSERVED FOR SAFETY

- This appliance is intended to be used by expert or trained users in shops, in light industry and on farms, or for commercial use by lay persons.
- This appliance can be used by children aged 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 the use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- The unit is designed only for use with R32 gas as the designated refrigerant.
- **The refrigerant loop is sealed. Only a qualified technician should attempt to service it!**
- Do not discharge the refrigerant into the atmosphere.
- R32 gas is flammable and heavier than air.
- It collects first in low areas but can be circulated by the fans.
- If R32 gas is present or even suspected, do not allow untrained personnel to attempt to find the cause.
- The R32 gas used in the unit has no odor.
- The lack of smell does not indicate a lack of escaped gas.
- If a leak is detected, immediately evacuate all persons from the area, ventilate the room and contact the local fire department to advise them that an R32 gas leak has occurred.
- Do not let any persons back into the room until the qualified service technician has arrived, and that technician advises that it is safe to return to the room.
- No open flames, cigarettes, or other possible sources of ignition should be used inside, or in the vicinity of the units.

- Component parts are designed for R32 gas and are non-incentive and non-sparking. Component parts shall only be replaced with identical repair parts.

FAILURE TO ABIDE BY THESE WARNING COULD RESULT IN AN EXPLOSION, DEATH, INJURY AND PROPERTY DAMAGE.

2. FOR YOUR SAFETY

Your safety is the most important thing we concerned about!



WARNING

Please read this manual carefully and fully understand it before operating your appliance.

2.1 OPERATIONAL PRECAUTIONS

WARNING- to reduce the risk of fire, electric shock or injury to persons or property:

- If the power 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 disconnected from its power source during service.
- Always operate the unit from a power source of equal voltage, frequency, and rating as indicated on the product identification plate.
- Always use a power outlet that is grounded.
- Unplug the power cord when cleaning or when not in use.
- Do not operate with wet hands. Prevent water from spilling onto the unit.
- Do not immerse or expose the unit to rain, moisture, or any other liquid.
- Do not leave the unit running unattended. Do not tilt or turn over the

unit.

- Do not unplug the unit while it is operating.
- Do not unplug the unit by pulling on the power cord.
- Do not use an extension cord or an adapter plug.
- Do not put objects on the unit.
- Do not climb or sit on the unit.
- Do not insert fingers or other objects into the air outlet.
- Do not touch the air inlet or the aluminum fins of the unit.
- Do not operate the unit if it is dropped, damaged, or showing signs of product malfunction.
- Do not clean the appliance with any chemicals.
- Ensure the unit is far away from fire, flammable, or explosive objects.
- The unit shall be installed in accordance with national wiring regulations.
- 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 operation sources (for example: open flames, an operating gas appliance, or an operating electric heater).
- The appliance shall be stored so as to prevent mechanical damage from occurring.
- Do not piece or burn, even after use.
- Be aware that refrigerants may not contain an odor.
- Pipework shall be protected from physical damage and shall not be

installed in an unventilated space, if that space is smaller than 4 m² .

- Compliance with national gas regulations shall be observed.
- Keep any required ventilation openings clear of obstruction.
- The appliance shall be stored in a well-ventilated area where the room size corresponds to the room area as specified for operation.

WARNING: Any person who is involved with working on or breaking into a refrigerant circuit should hold a currently valid certificate from an industry-accredited assessment authority, which authorizes their competence to handle refrigerants safely in accordance with industry standards and recognized assessment specifications.

WARNING: 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.

If you don't understand something or need help, please contact the dealer services.

2.2 SAFETY PRECAUTIONS ON SERVICING

Please follow these warnings when to undertake the following when servicing an appliance with R32.

2.2.1 Checks to the area

Before 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 before conducting work on the system.

2.2.2 Work procedure

Work shall be performed under a controlled procedure to minimize the risk of flammable gas or vapor being present while the work is being performed.

2.2.3 General work area

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

2.2.4 Checking for the presence of refrigerant

The area shall be checked with an appropriate refrigerant detector before 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. no sparking, adequately, or intrinsically safe.

2.2.5 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 on hand. Have a dry powder or CO2 fire extinguisher adjacent to the charging area.

2.2.6 No ignition sources

No person carrying out work concerning a refrigeration system that 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, repair, removal, and disposal, during which flammable refrigerant can be released into 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.

2.2.7 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.

2.2.8 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 pipes 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 that are inherently resistant to being corroded or are suitably protected against being so corroded.

2.2.9 Checks to electrical devices

Repair and maintenance of electrical components shall include initial safety checks and component inspection procedures. If a fault exists that could compromise the 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:

- those capacitors are discharged: this shall be done in a safe manner to avoid the possibility of sparking;
- that there are no live electrical components and wiring that are exposed while charging, recovering, or purging the system;
- that there is continuity of ground bonding.



WARNING!

Install the unit in rooms which exceed 4 m².

Do not install the unit in a place where inflammable gas may leak.

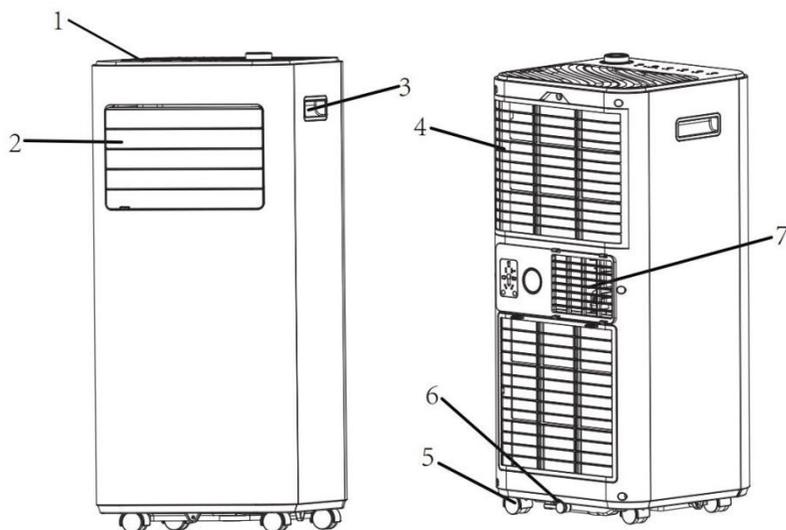


NOTE!

The manufacture may provide other suitable example or may provide additional information about the refrigerant odor.

3. PRODUCT OVERVIEW

3.1 PRODUCT DIAGRAM



1	Control panel	4	Air inlet with air filter	6	Drainage Hole
2	Air outlet with adjustable louver	5	Caster	7	Air Exhaust
3	Handle				

Note: The appearance is only for reference. Please see the real product for detailed information.

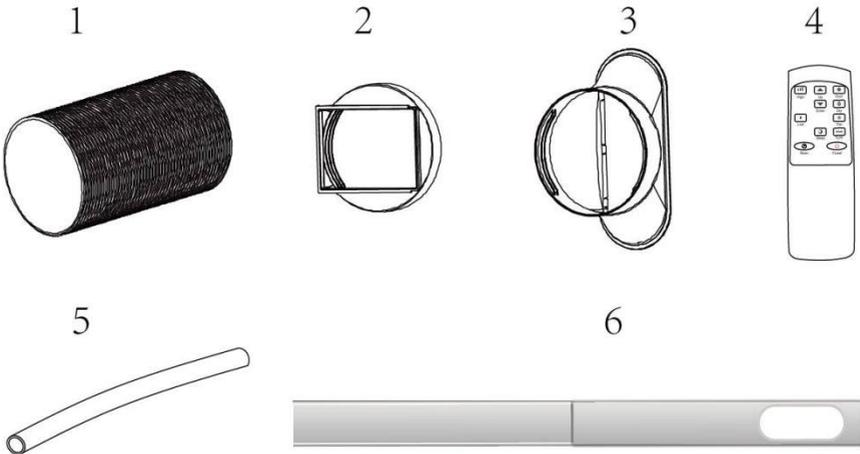
3.2 FEATURES

- ✓ High Capacity in a compact size with cooling, dehumidifying and fan function.
- ✓ Temperature setting and display
- ✓ LED Digital display
- ✓ Electronic control with built-in timer, sleep mode
- ✓ Self-evaporating system for better efficiency
- ✓ Auto shut off when tank full
- ✓ Automatic restart in the event of power outage
- ✓ Auto defrosting function at low ambient temperatures
- ✓ Remote control
- ✓ 2- speed fan
- ✓ Casters for easy mobility

4. INSTALLATION

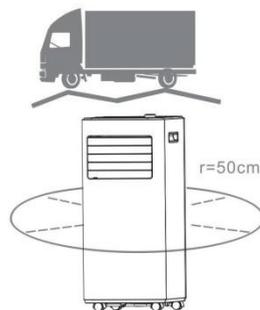
1. UNPACKING

- Unpack the carton and take the appliance and accessories out.
- Check the device after unpacking for any damage or scratches on it.
- Accessories:
 - 1. Exhaust hose
 - 2. Hose connector
 - 3. Window kit adapter
 - 4. Remote control
 - 5. Drainage pipe
 - 6. Window Kit



2. Choose your location

- If tipped more than 45°, allow the unit to set upright for at least 24 hours before starting up.
- Place the unit on a firm, level surface in an area with at least 50cm of free space around it to allow for proper air circulation.
- Do not operate in close proximity to walls, curtains, or other objects that may block air inlet and outlet. Keep the air inlet and outlet free of obstacles.
- **Never** install the unit where it could be subject to:
 - Heat sources such as radiators, heat registers, stoves or other products that produce heat.
 - Direct sunlight
 - Mechanical vibration or shock
 - Excessive dust
 - Lack of ventilation, such as cabinet or bookcase
 - Uneven surface



WARNING!

Install the unit in rooms which exceed 4 m².

Do not install the unit in a place where inflammable gas may leak.



NOTE!

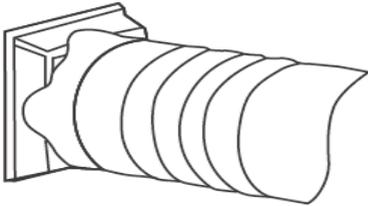
The manufacture may provide other suitable example or may provide additional information about the refrigerant odor.

3. ATTACH THE EXHAUST HOSE

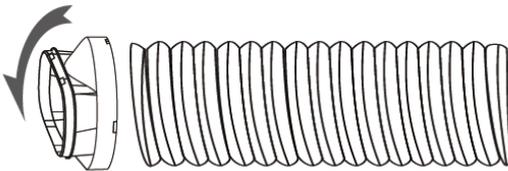
The air conditioner requires being vented outside so that the exhaust air can escape the room which comes from the appliance and contains waste, heat, and moisture.

Do not replace or extend the exhaust hose which will result in decreased efficiency, even worse shut down the unit due to low back pressure.

Step 1: Connect the hose connector to one end of the exhaust hose.



Step 2: Connect the windows kit adapter to the other end of the exhaust hose.

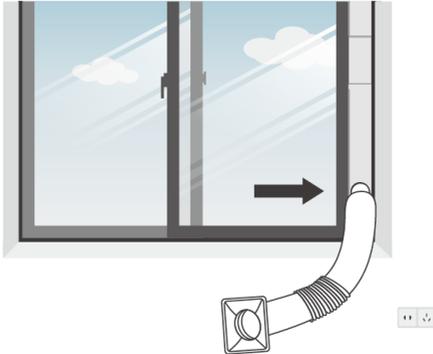


Step 3: Extend the adjustable window kit the length of your window. Connect the exhaust hose to the window kit.

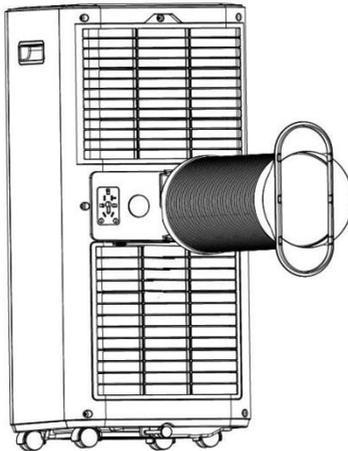


Step 4: Close your window to secure the kit in place. It needs to hold the

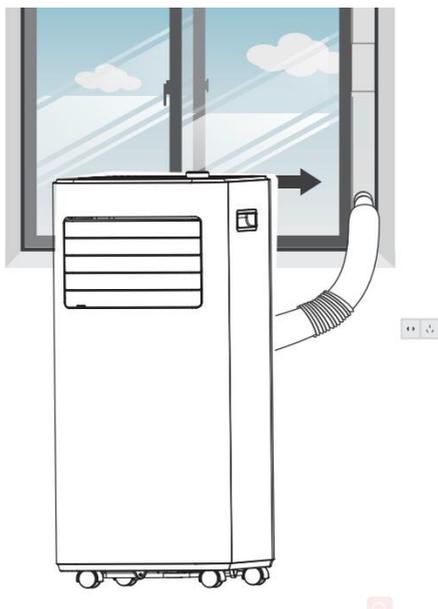
windows kit firmly in place, secure the window kit with duct tape if required. It is recommended that the gap between the adapter and the sides of the window should be sealed off for maximum efficiency.



Step 5: Attach the hose connector to the exhaust air outlet of unit.



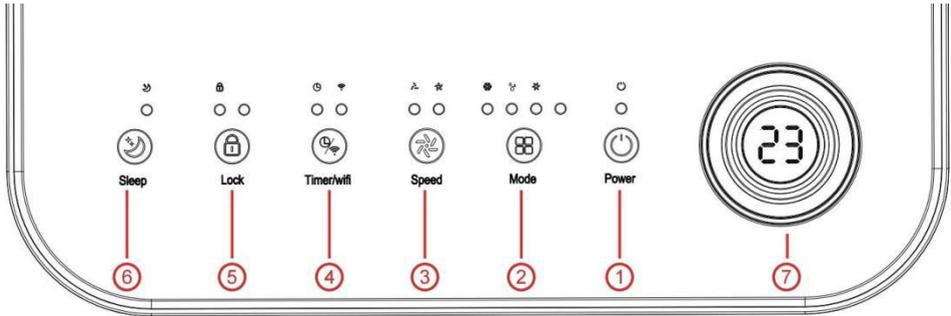
Step 6: Adjust the length of the flexible exhaust hose to make sure the distance between the unit and the window will be more than 70cm, and the height from the exhaust hose to the floor will be more than 90cm. And avoid bends in the hose. Then place AC near an electrical outlet.



Step 7: Adjust the louver at the air outlet, and then switch on the unit.

5. OPERATION

5.1 CONTROL PANEL AND DISPLAY



1	POWER	Press to switch the machine on or off.
2	MODE	Press to switch the operation mode among Cool, dry, fan.
3	SPEED	Press to switch the fan speed between HIGH and LOW
4	TIMER/WIFI	Sets a time for the unit to automatically start or stop. Long press this button to start the network configuration or disconnect the WIFI.
5	LOCK	Long press to turn on/off the child lock function
6	SLEEP	Press to turn on/off sleep mode.
7	KNOB	Turn left and right to adjust the temperature (61°F–90°F) or timer setting.

Information on the App "DELLA+"

The "DELLA+" app is available for android and iOS.

Scan the corresponding QR code to get directly to the download.



Information on How to Use the App

This appliance allows you to operate the appliance via your home network. A prerequisite is a permanent WIFI connection to your router and the free app "DELLA+".

1. Install the "DELLA+" app. Create a user account.
2. Activate the WIFI function in the settings of your appliance.
3. Place the appliance at a distance of about 5 meters from your router.
4. Long press the "timer" button to start the network configuration, and when the WIFI indicator flashes, you can connect the WIFI. After 3 minutes, the status will be canceled if there is no network configuration, and the indicator light is off. If you need to re-connect the WIFI, long press the "timer" button for 5 Second to start the network configuration, and the WIFI indicator flashes again.

WIFI Connected

• Method 1

Connected via Bluetooth

Open the Bluetooth of your mobile phone or other devices. When the WIFI indicator flashes, open the "DELLA+" APP, and the unit will be connected via Bluetooth automatically.

● **Method 2**

When the WIFI indicator flashes, select "**Add Device**"- "**Large Home Appliances**"- "**Portable Air Conditioner**", and follow the instructions on the display.

Check the status of the WIFI indicator and choose the correct status.

If the WIFI indicator flashes rapidly, it can be connected directly.

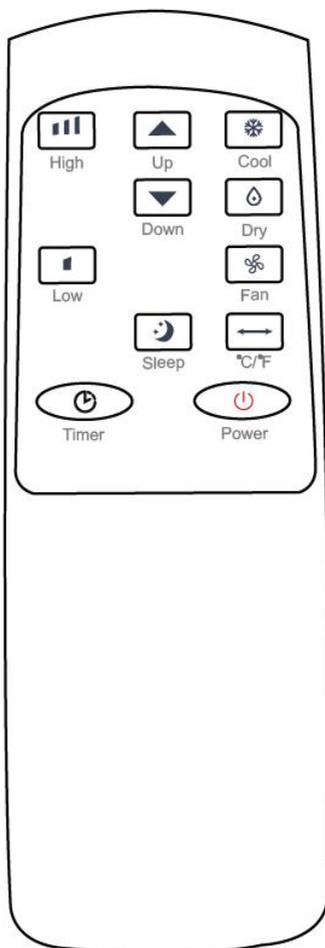
If the WIFI indicator flashes slowly, press "**Go to Connect**" to connect the WIFI named "**SmartLife-XXXX**", then back to the APP, the WIFI will connect ok.

Remarks:

Once the appliance has been successfully connected, the WIFI lamp lights up. Now you can operate the appliance using the app.

Press and hold the Timer button for about 5 seconds, the appliance will disconnect, and the WIFI lamp lights turn off.

5.2 REMOTE CONTROL



5.3 SETTINGS

5.3.1 Start-up and Shutdown

- ⇒ Press POWER to turn on the unit.
- ⇒ Press MODE button to select the desired operation mode.
- ⇒ Press POWER again to turn off the power.

5.3.2 Operation mode

The unit has four operation modes: Cool, dehumidifier, fan, sleep.
The unit working temperature under cooling mode is 61°F-95°F.

A. Cooling your room

Select the cool mode to lower the temperature in your room.

- ⇒ Press MODE button repeatedly until the COOL indicator lights up.
- ⇒ Press Up/Down button to adjust the temperature which is displayed on the screen. The temperature can be set between 61°F and 90°F.
- ⇒ Press SPEED button repeatedly until the desired fan speed indicator lights up.

To control the direction of the air flow horizontally, please adjust the inner louver by hand.

Note: The air conditioner stops if the room temperature is lower than selected temperature.

B. Ventilating your room

- ⇒ Press MODE button repeatedly until the FAN indicator lights up.
In ventilation, the room air is circulated, but not cooled.
- ⇒ Press SPEED button repeatedly to select the fan speed as desired.

C. Drying your room

- ⇒ Press MODE button on the control panel or remote control, and the dry indicator lights up. The fan speed is unable to be selected. User should connect the hose to the drain outlet at the bottom of the unit.
Note: In this mode, the fan speed switches over to low speed and cannot be changed.

D. Sleep mode (this function can only be used with a remote control)

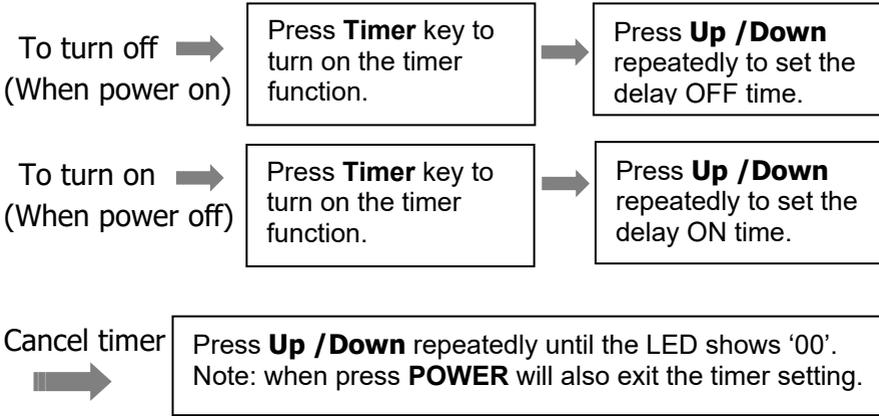
The sleep mode can be activated when in cool mode.

■ In cool mode:

After 1 hour the preset temperature is increased by 2°F, after another hour the preset temperature will again be increased by 2°F.

5.3.3 TIMER SETTING (1hour-24hours) :

The timer has two ways of operation:



5.3.4 Automatic Defrost

At low room temperatures, frost may buildup at the evaporator during operation. The unit will automatically start defrosting and the **POWER** LED will start blinking. The defrost control sequence is as follows:

- A. When the unit operates in the cooling and drying operation, and the ambient temperature sensor senses the evaporator coil temperature is below 30°F, the compressor will stop operating for 10 minutes or until the coil temperature is up to 44°F, then the unit will restart to cool operating mode.
- B. When the unit operates in the drying operation, once the coil temperature sensor senses the temperature of the evaporator is below 104°F and the differential temperature between coil temperature and room temperature is below 66°F after the compressor operation for 20 minutes, the unit will start defrosting for 5 minutes and the power indicator will start blinking.

5.3.5 Overload Protection

In the event of a power loss, there is a 3-minute delay to protect the compressor before it restarts.

5.4 DRAINAGE

Manual drainage:

1) When the machine stops after the water is full, please unplug the power plug.

Notes: Please move the machine carefully, so as not to spill the water in the water pan at the bottom of the body.

2) Place the water container below the side water outlet behind the body.

3) Unplug the water plug, the water will automatically flow into the water container.

Notes:

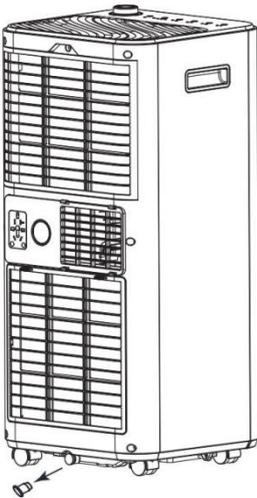
1. Keep the water plug properly closed tight.

2. During drainage, the body can be tilted slightly backwards.

3. If the water container cannot hold all the water before the water container is full, plug the water outlet with the water plug as soon as possible to prevent water from flowing to the floor or the carpet.

4) When the water is discharged, stuff the water plug.

Notes: 1. Restart the machine after the water plug and drainage cover are installed, otherwise the water inside the machine will flow to the floor or the carpet.



Continuous drainage

The self-evaporating system uses the collected water to cool the condenser coils for better efficient performance. There is no need to empty the drainage tank in cooling operation except in drying operation and high humidity conditions. The condensation water evaporates at the condenser and is evacuated through the exhaust hose.

For continuous operation or unattended operating in drying operation, please connect the attached drain hose to the unit. Condensation water can automatically flow into a bucket or drain by gravity.

- Switch off the unit before operating.
- Remove the plug of the water outlet opening and keep it in safe area.
- Securely and properly connect the drain hose and make sure it is not kinked and clear of obstruction.
- Place the outlet of hose over a drain or bucket and ensure that water could freely flow out of the unit.
- Do not submerge the end of hose into water; otherwise it can cause "Air Lock" in the hose.



To avoid water spillage:

- As the negative pressure of condensation drain pan is large, tilt the drain hose downward toward the floor. It is appropriate that the degree of inclination should exceed 20 degrees.
- Straighten the hose to avoid a trap existing in the hose.

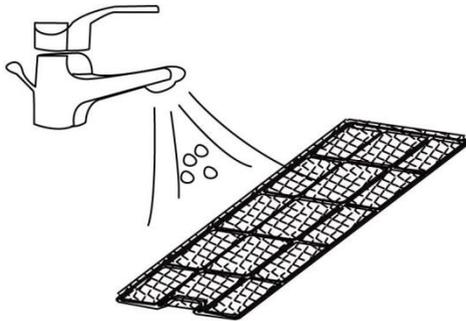
6. CLEANING AND CARE

6.1. CLEANING THE AIR FILTER (every two weeks)

Dust collects on the filter and restricts the airflow. The restricted airflow reduces the efficiency of the system and if it becomes blocked it can cause damage to the unit.

The air filter requires regular cleaning. The air filter is removable for easy cleaning. Do not operate the unit without an air filter, or the evaporator may be contaminated.

1. Press POWER button to switch off the unit and unplug the power cord.
2. Remove the filter mesh from the unit.
3. Use a vacuum cleaner to suck dust from the filter.
4. Turn the filter over and rinse the air filter under running water. Let the water run through the filter in the opposite direction of air flow. Set aside and allow the filter to air dry completely before reinstalling.



Switch off the unit and remove the air filters.

Rinse the air filter under running water.

Warning!!!

Do not touch the evaporator surface with bare-hands, or it could cause injury to your fingers.

6.2. CLEANING UP OF REFRIGERANT

General Measures:

1. Gas/vapor is heavier than air. It might accumulate in confined spaces, particularly at or below ground level.
2. Eliminate every possible source of ignition.
3. Use appropriate personal protection equipment (PPE).
4. Evacuate unnecessary personnel, isolate, and ventilate the area.
5. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or gas.
6. Prevent entry to sewers and public waters.
7. Stop the source of the release, if safe to do so. Consider the use of water spray to disperse vapors.
8. Isolate the area until gas has dispersed. Ventilate and gas test area before entering. Contact competent authorities after a spill.

7. TROUBLESHOOTING

Symptom		Inspection	Solution
The unit is not operating.		✓ Check the power connection is secure.	➤ Insert the power cord securely into the wall outlet.
		✓ Check if the water level indicator lights up?	➤ Empty the drain pan by removing the rubber plug.
		✓ Check the room temperature.	➤ The range of operating temperature is 41–95°F.
The unit works with reduced capacity.		✓ Check the air filter for dirt.	➤ Clean the air filter as necessary.
		✓ Check if the air duct is blocked.	➤ To clear the obstacle.
		✓ Check if the room door or window is open.	➤ Keep the door and windows closed.
		✓ Check if the desired operating mode is selected and the temperature is properly set.	➤ Set the mode and temperature at proper set-point according the manual.
		✓ The exhaust hose is detached.	➤ Make sure the exhaust hose is securely attached.
Water Leakage		✓ Overflow while moving the unit.	➤ Empty the water tank before transport.
		✓ Check if the drain hose is kinked or bends.	➤ Straighten the hose to avoid a trap existing.
Excessive Noise		✓ Check if the unit is securely positioned.	➤ Place the unit on horizontal and firm ground.
		✓ Check if there are any loose, vibrating parts.	➤ Secure and tighten the parts.
		✓ Noise sounds like water flowing.	➤ Noise comes from flowing refrigerant. This is normal.
Error Codes	E0	✓ Communication faults between main PCB and display PCB.	➤ Check the wire harness of the display PCB for damage.
	E1	✓ Ambient temperature sensor failure	➤ Check connection or replace it. To clean or replace the temperature sensor.
	E2	✓ Coil temperature sensor failures.	➤ Check connection or replace it. To clean or replace the temperature sensor.
	Ft	✓ Condensation water high level alarm.	➤ Empty the drain pan by removing the rubber plug.

1. STORAGE

Long-Term Storage - If you will not be using the unit for an extended period of time (more than a few weeks) it is best to clean the unit and dry it out completely. Please store the unit per the following steps:

1. Unplug the unit and remove exhaust hose and window kit store with the unit.
2. Drain the remaining water from the unit.
3. Clean the filter and let the filter dry completely in a shaded area.
4. Re-install the filter in its position.
5. The unit must be kept in upright position when in storage.
1. Preserve the machine in a safe place, and ventilating area that's dry, and there is no corrosive gas.

ATTENTION:

The evaporator inside the machine must be dried out before the unit is packed to avoid component damage and molds. Unplug the unit and place it in a dry open area for days to dry it out. Another way to dry the unit is turn on the machine, adjust it to low-wind ventilation mode, and maintain this state until the drainage pipe becomes dry, to keep the inside of the body in a dry state and prevent it from mildewing.

2. DISPOSAL



WARNING!!!

Releasing refrigerant into atmosphere is strictly forbidden!

3.



Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact your local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.