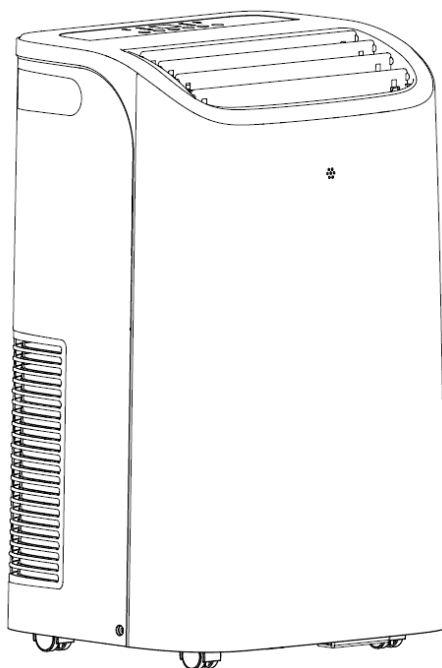


EQUATOR

Portable Air Conditioner with Inverter Technology

- INDOOR -

Model: PAC 162R



OWNER'S MANUAL

	DO NOT RETURN TO STORE!	 1-800-776-3538
	HAVE QUESTIONS OR NEED SERVICE?	 Service@ApplianceDesk.com

Read the instructions carefully and keep for future reference. Information maybe updated from time to time so please refer to the website for the latest version of the manual.

Warranty

Equator Appliances undertakes to the consumer-owner to repair or, at our option, to replace any part of this product which proves to be defective in workmanship or material under normal personal, family or household use, in USA and Canada, for a period of one year from the date of original purchase. For commercial use, the product is warranted for a period of 90 Days. During this period, we will provide all labor and parts necessary to correct such defect, free of charge, if the appliance has been Installed and operated in accordance with the written instructions with the appliance. Ready access to the appliance, for service, is the responsibility of the consumer-owner. Services would be provided from Monday to Friday between normal business hours.

Exclusions

In no event shall Equator Appliances be liable for incidental or consequential damages or for damages resulting from external causes such as abuse, misuse, incorrect voltage or acts of God. This warranty does not cover service calls which do not involve defective workmanship or materials covered by this warranty. Accordingly, diagnosis and repair costs for a service call which does not involve defective workmanship or materials will be the responsibility of the consumer-owner.

Specifically, the following work is not covered under warranty and does not constitute warranty work:

Installation - e.g. Insufficient spacing around appliance

Maintenance - e.g. Cleaning the appliance using solvents

Mishandling - e.g. Breakage of window kit or hoses

Most work is covered. The defining factor is, has the machine malfunctioned (Equator Appliances is responsible) or has the customer omitted or done something to cause the machine to malfunction (customer is responsible). Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you.

WARRANTY SERVICE

This warranty is given by:

Equator Appliances

5006 Steffani Lane,
Houston, Texas, 77041, USA

For Service:

Call: 1-800-776-3538

Email: Service@ApplianceDesk.com

Web: www.ApplianceDesk.com

Business hours: 9:00 am to 5:00 pm weekdays

You can register your Warranty by either of the following methods:

1. Scan QR Code

- Open Smart Phone
- Open Camera
- Click the Link



Note: The QR code can also be used to submit a Product Review and to access Product Information, Manuals and Updates.

2. Register online at ApplianceDesk.com/Warranty

GENERAL

Since it is a responsibility of the consumer-owner to establish the warranty period by verifying the original purchase date, Equator Appliances recommends that a receipt, delivery slip or some other appropriate payment record be kept for that purpose.

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

All rights reserved. Manual subject to change without notice.

Congratulations on your new Indoor Portable Air Conditioner!

In addition to its contemporary design, this is a highly sophisticated engineered product that will give you many years of satisfaction.

Here are some of the best reasons for buying your appliance for the ultimate comfort experience:

- **Inverter technology** achieves efficient and quiet cooling by adjusting compressor speed to match the room temperature
- **Turbo function** cools the room very quickly by boosting the AC to maximum power for rapid cooling in a short time
- **Heat pump technology** provides efficient heating by moving heat in or out in one system
- **4-in-1 appliance** can be used as an air conditioner, fan, dehumidifier or heater.
- **Portable unit** allows you to move and install in any room.
- **Filters** clean the air you breathe and are **washable**.
- **Sleek panel** and **remote control** make it easy to use.

Specifications Table

Model	PAC 162R
Air Circulation / Flow	480 m³/h
Application Area	700 sq. ft.
Adapter Input / Output	115V / 60Hz
Noise Level	≤56 dB(A)
Net Weight	54.7 lbs
Product Dimensions (HxWxD)	27.1" x 16.5" x 14.1"

Safety



Keep the appliance away from volatile and flammable substances.

Keep ventilation openings clear of obstructions.

Use a power outlet that is grounded and the correct voltage.

When positioning the appliance, ensure the electrical cord is not trapped or damaged.

Never unplug the appliance by pulling on the power cord. Grip the plug firmly and pull straight out to remove from wall socket.

Ensure that the following is NOT done:

- Place multiple portable socket-outlets at the rear of the appliance.
- Use a damaged power cord.
- Use an extension cord or an adapter plug.
- Operate the unit with wet hands, to prevent electric shock.
- Insert fingers or other objects into the air outlet.
- Touch the air inlet or the fins of the unit.
- Discharge the refrigerant into the atmosphere.

Children should be supervised to ensure that they do not climb on or play with the appliance.

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.

Please dispose of this appliance in accordance with local regulations.

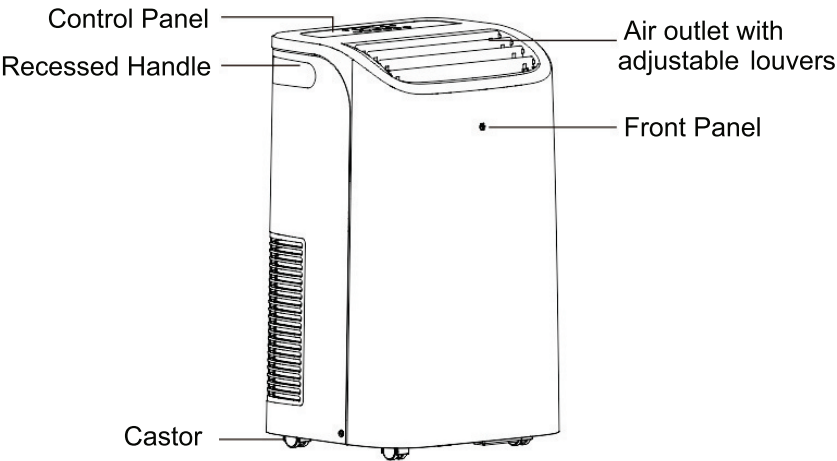
State of California Proposition 65 Warnings:

WARNING: This product contains one or more chemicals known to the State of California to cause cancer.

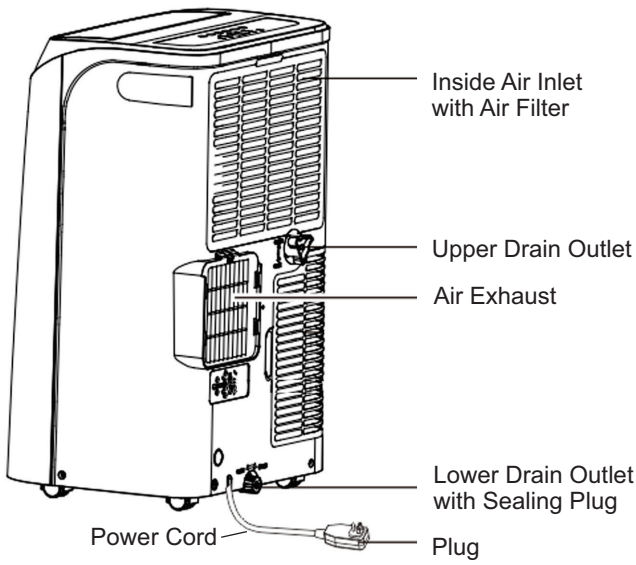
WARNING: This product contains one or more chemicals known to the State of California to cause birth defects or other reproductive harm.

Introduction

This self-contained compact appliance operates as an air conditioner, air purifier/fan, heater or dehumidifier. It is easily portable with castors and does not require permanent installation.

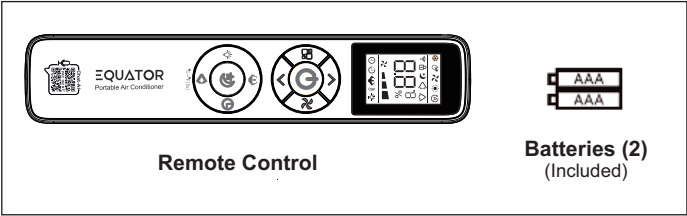
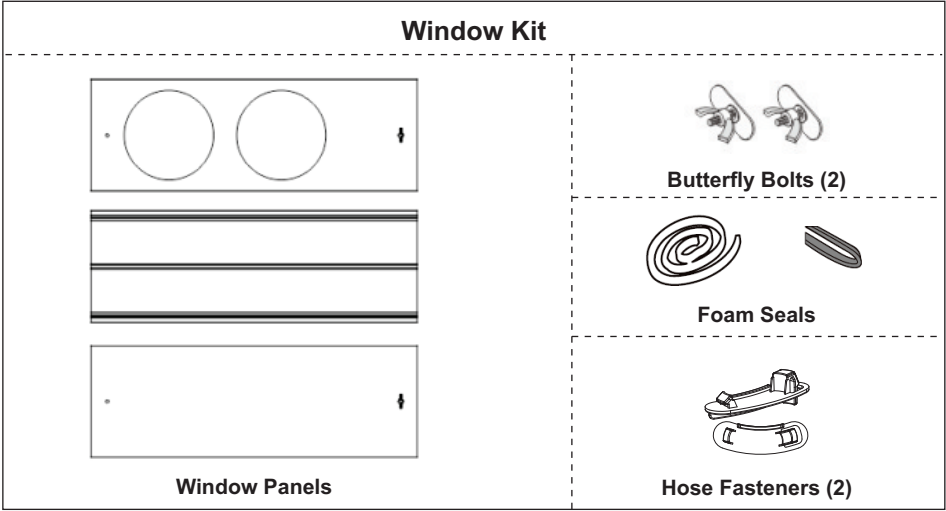
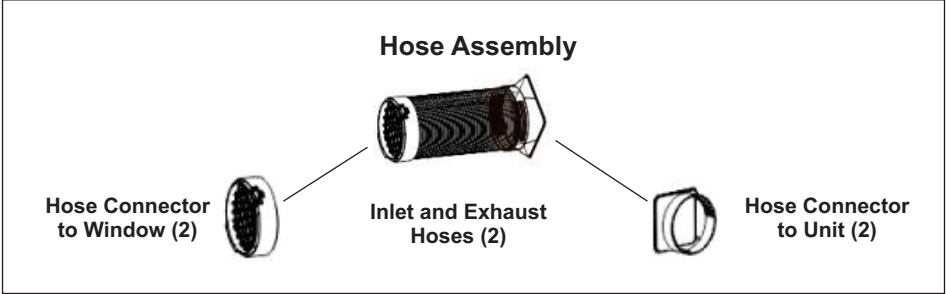


FRONT VIEW

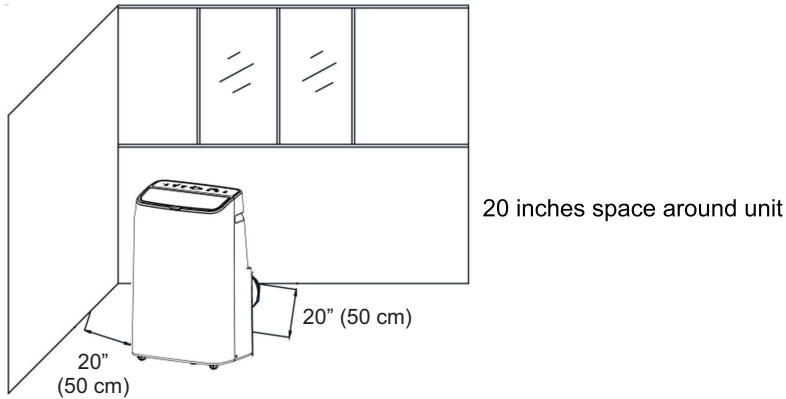


BACK VIEW

Accessories



Placement



Place the unit on a firm, level surface in an area with at least 20 inches (50 cm) of free space around it to allow for proper air circulation.

If tipped more than 45°, allow the unit to stand upright for at least 24 hours before starting it. It allows compressor to stabilize.

Ensure the unit is not operated 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.

Ensure the unit is not immersed or exposed to rain, moisture or any other liquid.

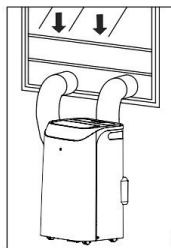
Never install the unit where it could be affected by:

- Heat sources such as radiators, stoves or other products that produce heat
- Direct sunlight
- Mechanical vibration or shock
- Excessive dust
- Lack of ventilation, such as cabinets or bookcases
- Uneven surfaces

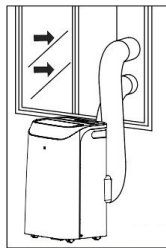
Installation

This is an advanced portable AC where there are 2 hoses:
The right hose brings fresh air into the unit. The left hose blows hot exhaust air to the outdoors.

The hoses can be attached either vertically or horizontally. See Fig. 1.



Horizontally - either position



Vertically - Hot air hose on top

Fig. 1

Prepare the Window Kit to install in the window

The Window Kit includes:

- Three panels
- Tabs and Bolts to connect the panels
- Clips to attach the hoses to the window
- Foam Seal Strips to close any gaps between the Window Kit and the window (optional).

Step 1: Measure the window and arrange the 3 panels to fit the window by sliding the panels together. The panel with the groove goes in the middle and the other 2 panels on either side.

Step 2: Secure the panels to each other by attaching them with the tabs and butterfly bolts (but don't tighten them yet) as shown in Fig. 2.

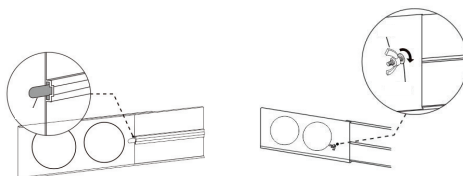


Fig. 2

Step 3: The Foam Seal Strips can be used to line the inside frame of the window. This is optional. The adhesive strip can be used to line the sides and top. The foam non-adhesive strip can be placed at the base of the window. The window kit panels will be placed on top of this strip.

Step 4: Place the assembled panels in the window opening and adjust the length for a secure fit. Then tighten the bolts to secure the panels in place.

Attach the hoses to the unit and to the Window Kit

Step 5: The Hose Connectors to the unit and to the window are already attached to the hoses. Please check that they are attached securely. If they are loose or not connected correctly, see the diagram to ensure that the hose connections are correct. (Fig. 3).

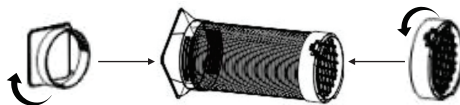


Fig. 3

Step 6: Attach the hoses to the unit by sliding the connectors into the left and right slots as shown in Fig. 4.

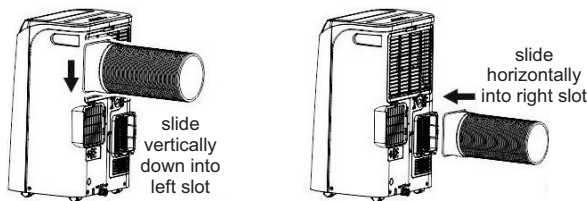


Fig. 4

Step 7: Attach the other end of the hoses into the window kit openings by inserting and rotating counterclockwise by half a turn. Then fasten and secure the hoses to the Window Kit with the Clips. See Fig. 5. The hoses can be extended, however, ensure that there are no kinks or bends in the hoses so there is adequate air flow. Do not over extend the hoses.

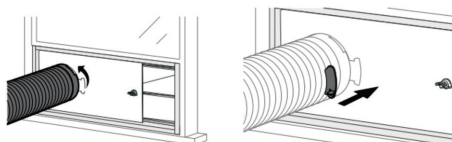
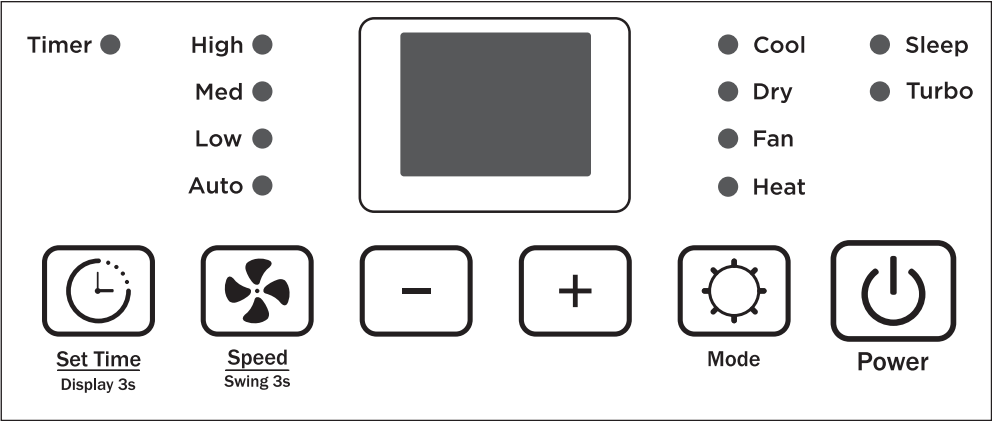


Fig. 5



Control Panel

Press the buttons on the Control Panel to operate the appliance.



Power		Switch the unit on or off
Mode		Select Cool, Dry, Fan or Heat
Increase		Increase desired temperature or timer setting
Decrease		Decrease desired temperature or timer setting
Fan Speed		Select fan speed: High, Medium, Low or Auto Press and hold for 3 seconds to select swing
Set Time		Set a time for the unit to automatically start or stop Press and hold for 3 seconds to turn on or off Display
Display		Displays temperature, humidity or timer setting

Note: Sleep and Turbo functions are set using the remote control.

Indoor Ambient Temperature

Cool Mode: 64°F – 95°F

Heat Mode: 50°F – 77°F

Operation

Press **Power**  to turn the unit on or off.

Mode  selects the desired operation mode: Cool, Fan, Dry or Heat. The light next to your selection will illuminate.

In **Cool** mode the air conditioner stops if the room temperature is lower than the selected temperature.

In **Fan** mode there is no cooling, only ventilation and the hoses do not need to be attached to the unit.

In **Dry** mode, the dehumidifier removes moisture from the air and blows it out the window. Use the - or + buttons to select the humidity level, ranging from 30% - 70%. The fan speed is set automatically and cannot be selected.

In **Heat** mode, moisture is removed from the air and water collects inside the unit. Connect the Drain Hose provided to the lower drain outlet at the back of the unit. This allows the water to drain out. If the water tank gets full, the unit will stop and “F1” will display. Once the tank has been emptied, the unit will start again.

When you press Mode repeatedly, the following is seen on the display:



Fan mode or **Cool** mode are automatically selected based on the ambient room temperature.

If below 77°F (25°C), the appliance will operate in Fan mode.

If above 77°F (25°C), the appliance will operate in Cool mode with air conditioning.

Press **Speed**  repeatedly to select High, Med, Low or Auto.

When Auto Speed is selected, the speed adjusts automatically based on the ambient room temperature.

The – and + buttons lets you select the desired temperature, which will display on the Control Panel screen. The temperature can be set from 61°F ~ 88 °F.

Set Timer to start - Press the following:

- **Power**  turns the unit on
- **Mode**  selects the desired operation
- **Speed**  selects the desired fan speed
- **Power**  turns the unit off
- **Timer**  Display will flash
- Set the delay time from 0.5 to 24 hours. Press - or + to select the time (in hours) for the unit to start.

The **Timer** to start is now set and the indicator light will illuminate at the top left of the Control Panel. To cancel, press the Timer button again.

Set Timer to stop

- While the unit is operating press **Timer** . The Display will flash.
- Set the stop time from 0.5 to 24 hours. Press - or + to select the time (in hours) for the unit to stop.

The **Timer** to stop is now set and the indicator light will illuminate at the top left of the Control Panel. To cancel, press the Timer button again.

Auto Swing

- Press and hold the Speed button for 3 seconds to move the louvers up and down, instead of a steady air flow.
- Press and hold again, and the auto swing function will stop.

Temperature Display

To change the temperature display between °C and° F, press - or + buttons simultaneously for 3 seconds.

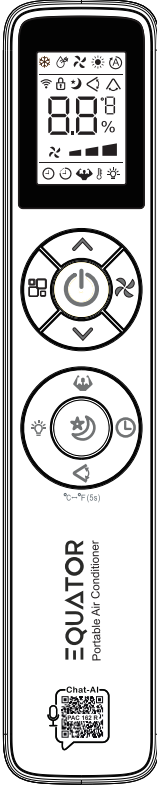
Display off

- Press and hold the Timer button for 3 seconds to turn off the Display screen.
- Press and hold again, and the Display screen will come on.

Remote Control

The selections on the Control Panel can also be made on the Remote Control device.

Press these buttons on the remote control to operate the appliance:

		Coolingmode		Fanspeed
		Drymode		Light
		Fanmode		Childlock
		Heatingmode (ineffective)		Timeron
		Smartmode		Timeroff
		Signal		Sleep
		Displaydigits temperature orhours		Turbo
		°C or °F temperature		Swing
	Buttonicon			
		On/Offbutton		Turbobutton
		Increasebutton		Modebutton
		Decreasebutton		Swingbutton
		Timerbutton		Sleepbutton
		Lightbutton		Fanspeedbutton

Sleep and Turbo functions can only be set using the Remote.

Sleep Mode

- Select Cool ❄️ or Heat ☀️ mode
- Press the Sleep button 🌙

The Display screen will reduce brightness, and the fan speed will be low. In Cool mode ❄️, the temperature will increase by one degree in 2 hours, and the temperature will be maintained for 6 hours and then turn off. The temperature and humidity changes are gradual to ensure comfort and uninterrupted sleep. Cancel the Sleep mode by pressing the Sleep button.

Turbo

To cool an area quickly, use the Turbo function. The Turbo function sets a pre-set temperature of 61°F (16°C) and high fan speed.

Press Turbo ⚡️ and the symbol flashes and starts cooling.

To cancel, press it again.

Child Lock

Press and hold for 3 seconds the ^ and v symbols on the remote control to activate Child Lock. Repeat this to cancel.

Child Lock can only be done with the remote and not on the Control Panel.

If Child Lock is pressed on the Remote, it will not operate. However, the appliance can be operated from the Control Panel.

NOTE

- Overload Protection - In the event of power loss, there is a 3-minute delay before the compressor restarts. This is to protect the compressor.
- If the outdoor temperature is too low or too high, the PAC will show Error Code **EC** on the Control Panel. Ensure that the outdoor temperature is in the range of 17.6°F (-8°C) and 132°F (55°C).

Water Drainage

Water collects in the unit and needs to be drained either continuously or when it gets full. Water can be drained either from the Upper Drain Outlet or from the Lower Drain Outlet. **But, in the Heat mode, water will drain only from the Lower Drain Outlet.**

For continuous draining:

- Securely connect the drain hose provided to the unit at the Upper Drain Outlet. Place the other end of the drain hose into a drain pan or bucket.
- Water will continuously flow from the drain outlet into the collecting bucket.
- Check and empty the bucket periodically to avoid overflow of water.

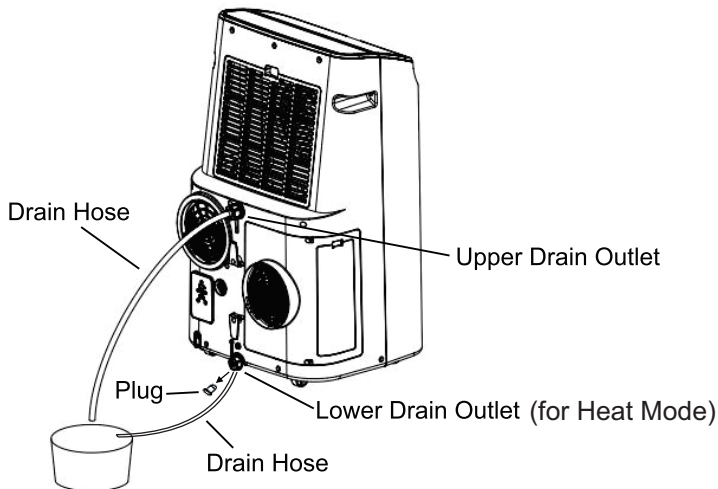


Fig. 6

Note: When the water collection tank in the unit gets full, an error code of “F1” will be displayed on the Control Panel.

If not continuously drained, the unit will need to be drained manually.

- Turn off the appliance and unplug it.
- If the unit needs to be moved, do it carefully to prevent water from spilling.
- Remove the Lower Drain Plug and securely connect the drain hose provided to the unit at the Lower Drain Outlet.
- Place the other end of the drain hose into a drain pan below Lower Drain Outlet. Ensure that the end of the hose is not submerged in the collected water, otherwise it can cause an air lock in the hose.
- Tilt the unit slightly backwards up to 20 degrees, to drain completely. Ensure that the water flows freely and the hose is straight and not kinked, bent or obstructed in any way.
- After draining the water, replace the plug.

Maintenance

Press the Power button  to turn the unit off.

Disconnect the appliance from its power source during cleaning or when being serviced.

Do not clean the appliance with any chemicals or abrasive materials.

Wipe the surface of the appliance with a damp cloth and then a dry cloth. Remove the filters and rinse (Fig. 7). Wipe the filters dry or air dry and then replace them.

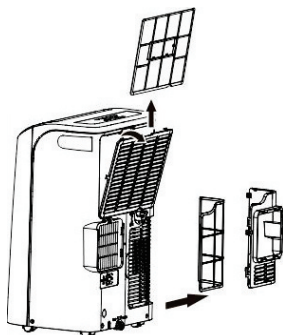


Fig. 7

Troubleshooting

In most cases, when your Portable AC fails to work, the problems arising can be easily solved without having to call for a technician. Before calling for assistance, always check these points.

Problem	Possible Cause	Solution
The unit is not operating	Check the power connection	Insert the power cord securely into the wall outlet
The unit works with reduced capacity	Check the air filter for debris	Clean the air filter as necessary
	Check if the air duct is blocked	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 to the manual
	Check if 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 securely attached and kinked or bent	Secure and straighten the hose
Excessive Noise	Check if the unit is securely positioned	Place the unit on flat and firm ground
	Check if any loose, vibrating parts	Secure and tighten the parts
	Noise sounds like water flowing	Noise comes from flowing refrigerant. This is normal
Unpleasant smell	Air filter clogged	Clean air filter

Note: After shutting down the unit, please wait for at least 3 minutes before restarting.

Error Codes

If the following Error Codes are displayed, first check the Troubleshooting Guide and contact Customer Service to resolve problems.

Error Codes	Possible Causes	Solutions
F1	High Water Level	Remove the drain plug to drain water
F2	The input voltage is too low	Ensure 115V voltage
F3	High voltage	1. Ensure outdoor temperature is not above 131°F (55°C) 2. Ensure exhaust hose is not blocked
F4	Indoor fan does not rotate or has abnormal speed	Replace part if recommended by Customer Service
F5	Outdoor DC fan does not rotate or has abnormal speed	
F6	No communication between indoor and outdoor units or abnormal outdoor power supply	Replace PCB part if recommended by Customer Service
F7	Inverter Drive & Module Fault	Replace part if recommended by Customer Service
F8	Compressor does not start	
F9	Inverter module overheating or too much current	
FA	Indoor EEPROM Fault	
FC	Outdoor EEPROM Fault	
E0	Faulty communication between main board and display panel	Ensure secure connection between Main Board and Display Panel. Call Customer Service if not resolved
E1	Indoor Temperature & Humidity Sensor Fault	Replace part if recommended by Customer Service
E2	Indoor Coil Temperature Sensor	
E3	Outdoor Temperature Sensor Fault	
E4	Outdoor Coil Temperature Sensor	
E6	Discharge Temperature Sensor	
E7	Compressor current is lower than 1 amp	Ensure adequate electrical supply

Error Codes	Possible Causes	Solutions
E8	Discharge temperature is too high	The unit is equipped with overheat protection and shuts down. Wait for some time to let the appliance cool down and then restart it
E9	Indoor hose temperature is too low	1. Check if temperature of the unit is too low (below 64.4°F (18°C)) 2. At correct temperatures, and the unit will resume operation automatically after a few minutes
EA	Outdoor hose temperature is too high	1. Check if the outdoor temperature for unit operation is too high (above 131°F (55°C)) 2. Ensure the exhaust hose is not blocked
EC	Outdoor temperature is too high or too low	Check if the outdoor temperature is too high (above 131°F (55°C)) or too low (below 17.6°F (-8°C)). Restore to correct temperature range and then power the unit on again
EF	Indoor hose temperature is too high	1. Ensure correct temperature range 2. Ensure filter is clean and hose is not blocked.

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. Prepare the unit for storage as follows:

- Unplug the unit, remove hoses and window kit, and store with the unit.
- Drain any water from the unit and dry it completely.
- Store the unit in an upright position, in a dry indoor space.



Equator Advanced Appliances USA, founded in 1991, offers Efficient, High-Quality, and Innovative household appliances.

Our Mission is to simplify domestic chores and save Time, Space, and Energy.

Our Vision is to enhance our Customer's Quality of Life!

Equator Appliances USA

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