

Owner's Manual

*Plasma 14000*TM_{BTU} Portable Air Conditioner

For model PCI4E



It is important that you read these instructions before using your new purchase and we strongly recommend that you keep them in a safe place for future reference.

Innovative AutoDrain Technology

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Thank You!

Thank you for purchasing an Arbaco Portable Air Conditioner. Arbaco is a leading brand in indoor air treatment. We would like you to enjoy the many benefits this unit offers, so please read this manual carefully and take full advantage of the many advanced features that your Arbaco Portable Air Conditioner offers you.

Arbaco has specialized in complete indoor environment control, manufacturing world-class air conditioners, dehumidifiers and air purifiers with innovative technology.

In designing these advanced products, we have listened carefully to our customers and have passed their views on to our research and development laboratories.

We wish you many years of enjoyable use.

After reading this manual, please keep it in a safe place for future reference.

Energy Saving Tips

- Do not locate the air conditioner where furniture or other objects can obstruct the airflow.
- Keep doors closed so cool air does not escape.
- Keep the filters clean.

Set the unit to maximum cooling and high speed fan initially, then adjust the unit to a comfortable setting.

NOTE: Use the Temperature Control (UP/DOWN) to adjust Air Conditioner cooling to a desired level.

Specifications

Model	PCI4E
Cooling Capacity	14,000 BTU/hr
Cooling Power Consumption	1,100 W / 9.3A
Dehumidification	80 pints / Day
Power Supply	115V / 60Hz / 1 Phase
Refrigerant	R-410A
Compressor	Rotary
Fan Speeds	3 (2 + 1 Turbo)
Thermostat	64° - 90° F
Timer	0-24 hours
Weight	75 lbs.
Dimensions	20"W x 16"D x 33"H
<p>The cooling capacity of the unit may be affected by the height of your ceiling, quality of your insulation, or number of windows in your room.</p> <p>There is no current testing statute for portable air conditioning products in the United States, yet we have made every effort to design engineer a superior quality portable air conditioning unit that effectively and efficiently cools select areas of the home or office.</p> <p>These portable air conditioning units are designed engineered to provide supplemental air conditioning.</p>	

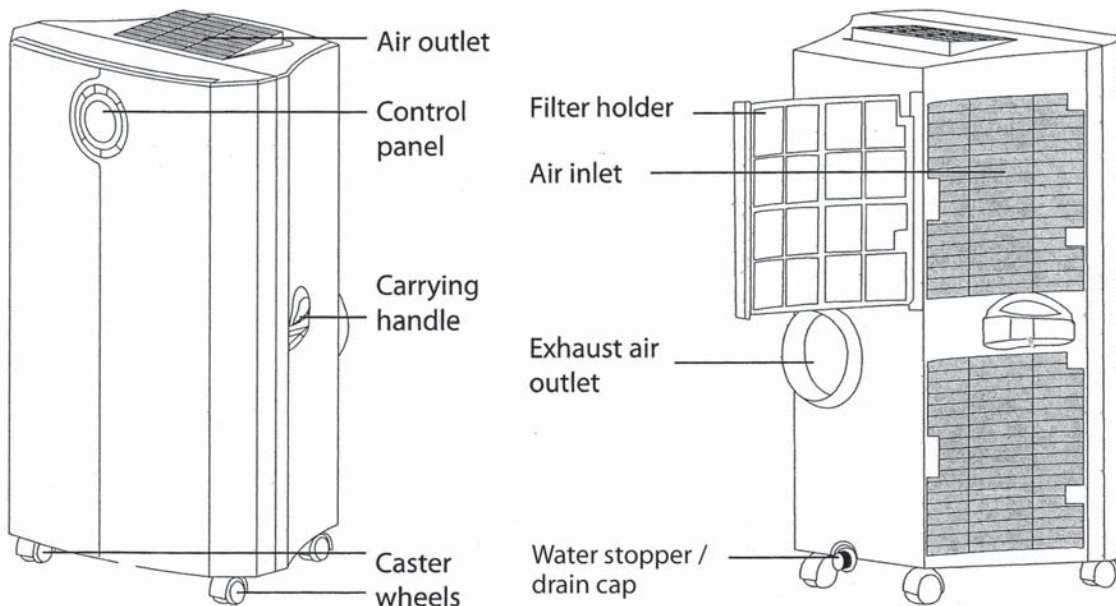
Before Use

IMPORTANT!

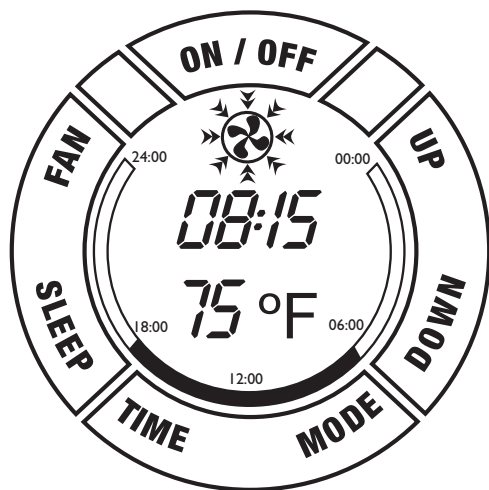
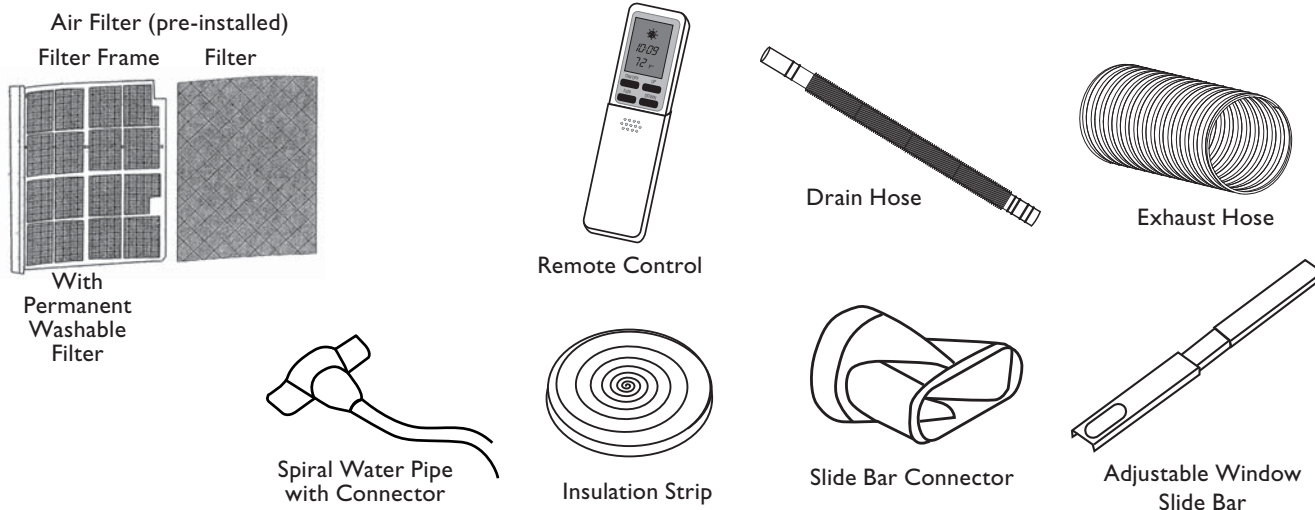
- Leave the unit in an upright position for at least 2 hours before use.
- Always place the unit on an even surface.
- The power cord has a built-in L.C.D.I. (Leakage Current Detection and Interruption) circuit breaker for added safety. If the power supply is interrupted, please press the reset button to reconnect the unit to the power source. The green light should be on.
- Make sure the unit is connected to a correctly grounded power supply.
- **For proper operation, the unit must be vented to the outside.**
- Do not cover or obstruct the appliance inlet or outlet grilles.
- To avoid the risk of shock, the product should never be used in bathrooms, shower rooms or in any other steamy or wet areas.
- Always transport the unit in an upright position.
- Do not sit or stand on the unit.
- Do not place objects on the unit.
- Do not touch the unit with wet/damp hands or when standing barefoot.
- **Drainage of the water container is required before moving the unit or putting it into storage.**
- If the electric socket is different from the plug provided, have a professionally qualified electrician replace the outlet with a suitable one. Avoid the use of adaptor plugs, multiple sockets and/or extension cords; if their use is necessary, ensure that they conform to the current safety regulations.
- Do not pull the power cord or place it near a source of heat; always unroll it completely to avoid the possibility of dangerous overheating.
- If the power cord is damaged, it must be replaced by a qualified person.

THE MANUFACTURER DISCLAIMS ANY RESPONSIBILITY IF THE ABOVE INSTRUCTIONS ARE NOT FOLLOWED.

The PCI4E Unit



Parts



Display



FAN

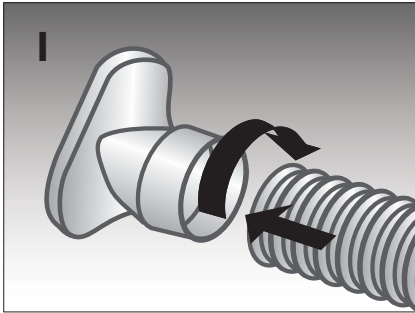


COOLING

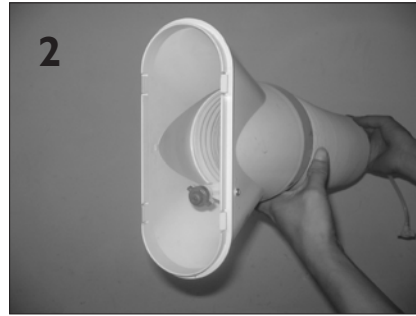
08:15 HOURS: MINUTES

75°F TEMPERATURE

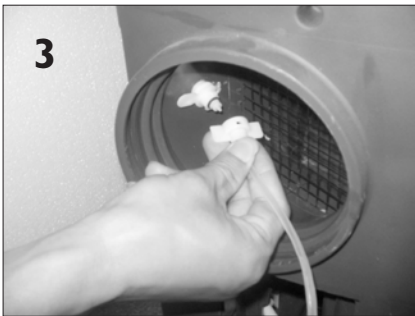
AutoDrain Technology Assembly



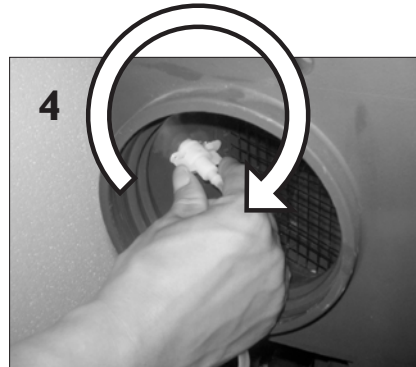
1 Attach Window Slide Bar Connector to Exhaust Hose by twisting as shown.



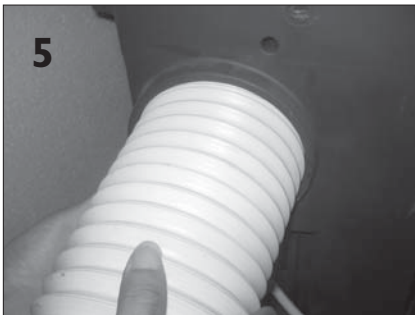
2 Put spiral water pipe into hot air flexible hose.



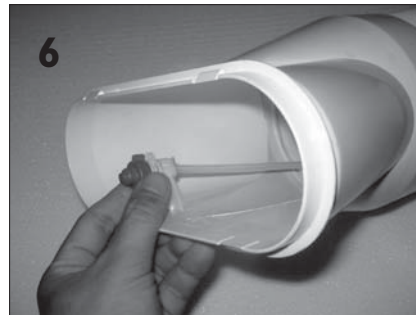
3 Connect the female half of the quick connector at the end of the spiral water pipe to the male part in the hot air outlet pipe.



4 Turn the connector 90 degrees clockwise until it is locked in place.



5 Assemble the hot air hose on the unit.



6 Clip on the water atomizer at the end of the spiral pipe to the holder.



7 Unfold flexible hose with attached hose adapter connector, and snap into Window Slide Bar.

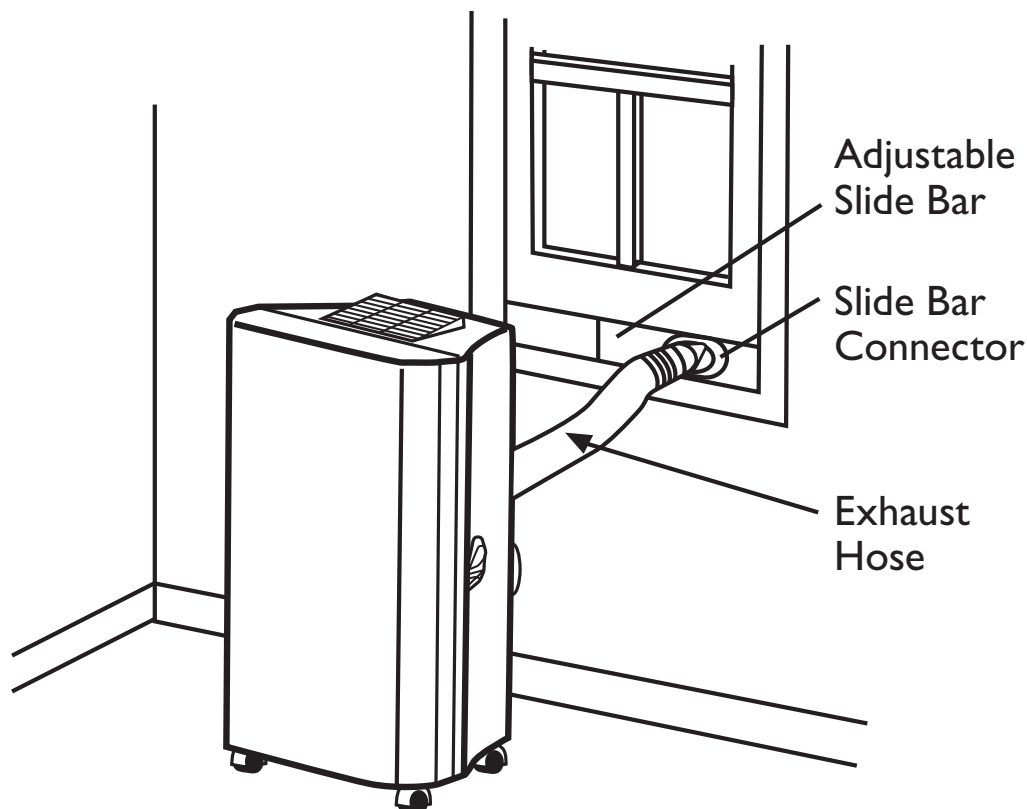


Only Required For Disassembly.
8 In order to unlock the quick connector, push the tab and turn the connector counter-clockwise.

Installation of the Window Kit

In order for this unit to function properly, it must be vented to the outside.

Fitting the Exhaust Hose through a window is easy. Please see below.

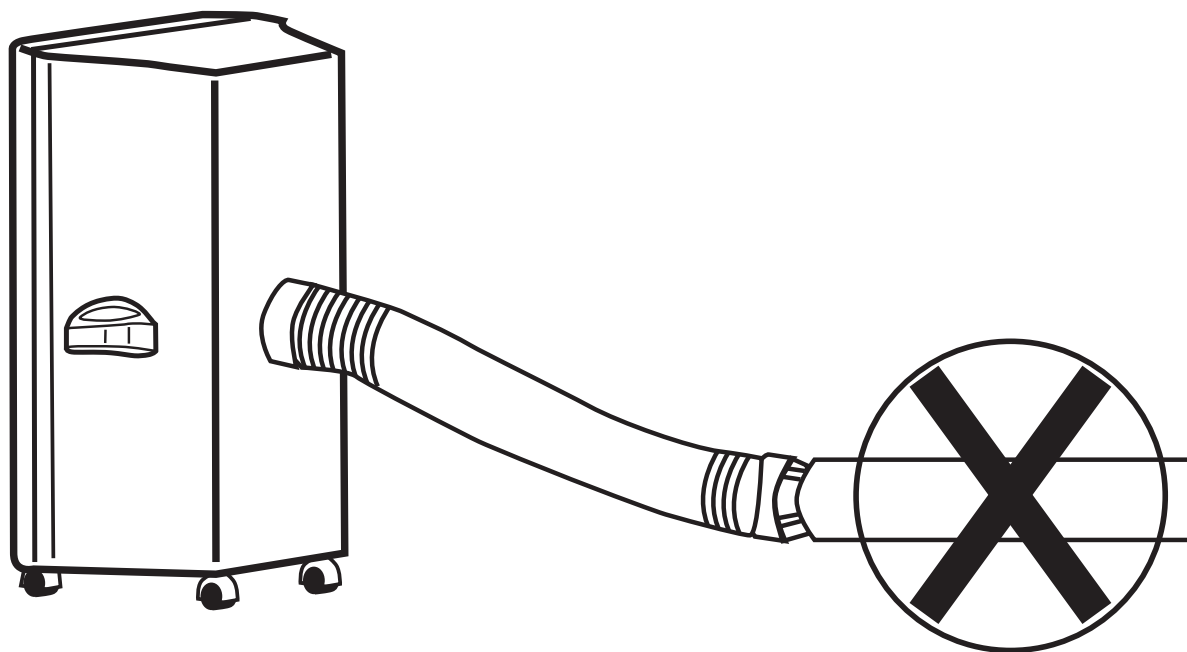


Window Kit Installation:

1. Extend Exhaust Hose at least 6" and insert it into the back of the unit, tightening into place by turning it clockwise.
2. Attach Slide Bar Connector to the other end of the Hose by extending hose at least 6". Then tighten Hose by turning the Slide Bar Connector clockwise.
3. Place Adjustable Slide Bar in the window and expand so it fits tightly.
4. Mark Slide Bar to record width of the window.
5. Apply Insulation Strips on top and bottom of Slide Bar.
6. Reposition Slide Bar Connector in the window. Expand the Slide Bar to fit tight. Tighten the screws.
7. Lower the window.
8. Make sure Hose has no kinks.

Slide Bar has 3 sections which allows installation in windows up to 48" in width.

Installation



WARNING!

The length of the exhaust pipe is specially designed according to the specification of this product.

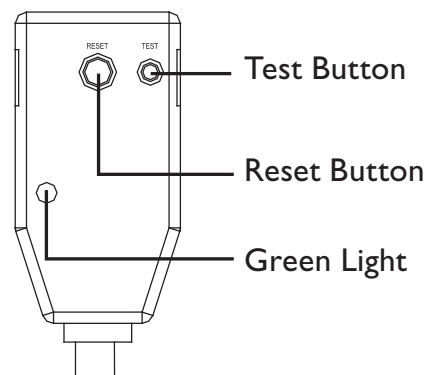
Do not extend it with your own hose, as this could cause the unit to malfunction

Operation

IMPORTANT: The air conditioner should be left in an upright position for at least two hours

A. Turning the Unit On:

1. Plug the unit into a working electrical outlet.
2. Make sure the green light on the plug is on.
(If not, press the Reset button.)
3. Press the unit's ON/OFF Button on the LCD display.
It may take a few minutes before cold air is dispersed.
4. Adjust FAN Speed by pressing the FAN Button until the preferred fan speed is reached.
5. Press the TIME Button to Set.



B. Setting the TIME:

1. Press the TIME button for 3 seconds to set the clock. The hour digits will flash.
2. Press UP or DOWN to adjust the hour.
3. Press the TIME button, the minute digits will flash.
4. Press UP or DOWN to adjust the minutes.
5. Press the TIME Button to Set.

C. Setting the Temperature:

To change the set temperature press the Up/Down button.

The 2 digit display will indicate the set temperature.

NOTE: Reaching the set temperature depends on the room and outdoor climatic conditions. The set temperature range is 64°F to 90°F.

D. Mode Button:

Press the Mode Button repeatedly until the icon representing the desired mode is displayed (Cool or Fan). On the LCD-display you will see:

Cooling  Fan only 

All settings will remain in memory unless power to the unit is shut off.

When restarting, the unit will revert back to default temperature setting of 72°F.

E. Fan Speed:

To select the desired fan speed, press the fan button. Options are Slow, Medium, and Turbo.

Operation

Timer

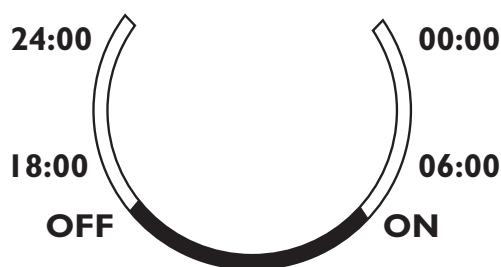
The TIMER function allows you to program the time the unit turns on and turns off.

TO SET THE TIMER:

- Press the TIME button briefly, the 2 hour digits will flash.
- Press the UP or DOWN button to adjust the hour.
- Press the TIME button again. The 2 minute digits will flash.
- Press the UP or DOWN button briefly to adjust the minutes.
- The TIME is set. After 10 seconds the time display returns.

Programming the Timer for ON:

- Perform the standard steps as described above. The circular time scale will be on between the ON programmed times until 24:00. The flashing bar on the time scale indicates the real time and moves a segment ahead every 30 minutes until it reaches the ON timer time, then the black segments in the circular time scale will disappear.



Timer Example

Programming the Timer for OFF:

- Perform the standard steps as described above. The circular time scale will be on between the present time to the OFF programmed time. The flashing bar on the time scale indicates the real time and moves a segment ahead every 30 minutes until it reaches the OFF timer time, then the black segments in the circular time scale will disappear.

Operation

The unit will operate daily according to the timer setting, unless changed.

After a power failure, or after the unit has been unplugged, you will have to program the timer settings again.

Canceling the Timer Setting

In order to cancel the timer programming press the TIME BUTTON.

Sleep Mode

The SLEEP MODE gradually adjusts the temperature of the unit 4 degrees upward, over a 3 hour period, to meet the needs of a body at rest.

To activate the SLEEP MODE:

- Ensure the unit is operating in Cool Mode.
- Set the desired starting temperature.
- Press SLEEP MODE button.
- In sleep mode fan will operate in low speed.
- To cancel this function press SLEEP MODE button again.

Shutting Off the Blue Light on Control Panel

Normally there is a blue light on the LCD display. To shut it off, press the UP and DOWN push buttons at the same time. The blue backlight will blink twice, and after 3 seconds, will go off.

Pressing any of the push buttons will re-light the blue backlight.

Remote Control

To Operate the Remote Control:

Insert batteries by pulling down on front cover (See fig. 1).
Be sure the remote is pointed at the unit at all times.

1. To Set the Clock:

- Press the TIME button for 3 seconds.
- The hour digits will flash. Press UP or DOWN to adjust the hour.
- Press the TIME button. The minute digits will flash. Press UP or DOWN to adjust the minutes.
- Press the TIME button when finished.

2. To Turn Unit ON:

- Press the ON / OFF button

3. To Adjust TEMPERATURE:

- Adjust temperature using the UP / DOWN buttons

4. To Adjust FAN SPEED:

- Press FAN button to select speed.

5. To Set the TIMER:

A. SET START TIME

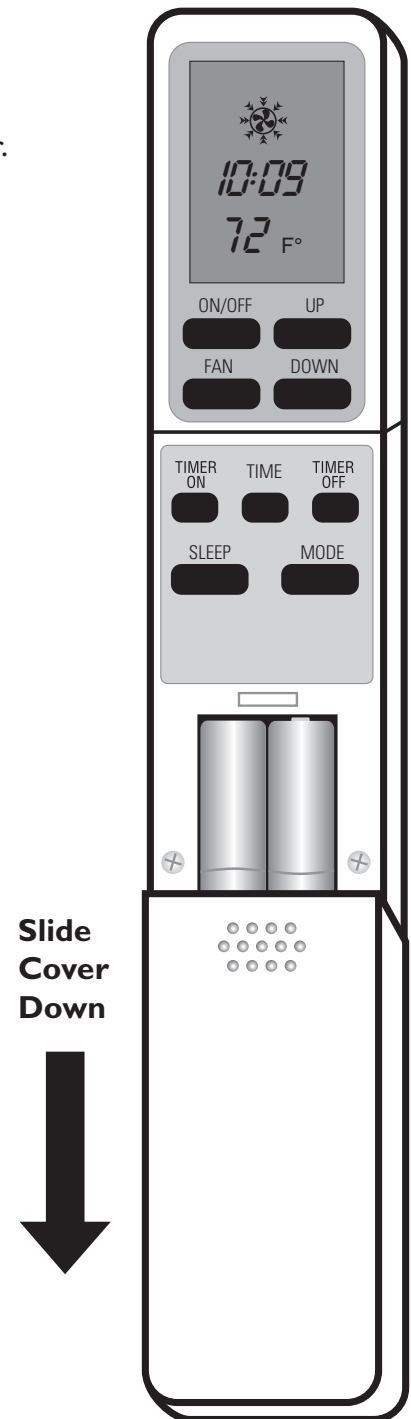
- Press timer ON button and set the ON hour using the UP and DOWN buttons.
- Press timer ON button and set the minutes using the UP and DOWN buttons.
- Press timer ON to finish.

B. SET OFF TIME

- Press the timer OFF button and set the OFF hour using the UP and DOWN button.
- Press the timer OFF button and set the minutes using the UP and DOWN buttons.
- Press timer OFF to finish.

6. To Set SLEEP MODE:

- Make certain unit is operating in Cool Mode.
- Set the desired starting temperature.
- Press SLEEP MODE button.



Emptying The Water Container

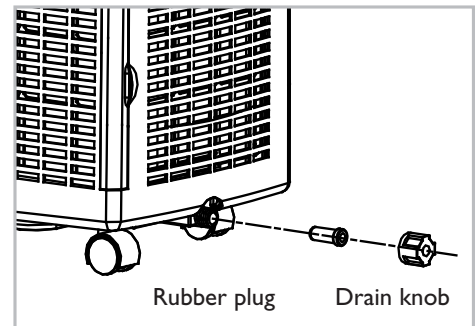
This air conditioning does not require emptying of the water container, except prior to season end storage.

This portable AC features the Innovative AutoDrain Technology

Very little excess water should accumulate. During the process of cooling, some of the water accumulated is actually used to cool the unit internally, making it run more efficiently. Both this evaporative technology and Innovative AutoDrain Technology are features not found in most portable air conditioners.

Switch off the unit and remove the plug from the outlet.

- Position a flat container or dish on the floor under the drain hole. Do not allow the water to drip continuously into the container as it might easily overflow.
- Remove the drain knob.
- Remove the rubber plug, the water will flow in the container. When this is nearly full, replace the plug to stop the water flow and empty it. Repeat this process until all water has been removed.
- Replace the rubber plug into the drain hole firmly, the WATER FULL LED should not flash any longer.
- Replace the drain knob.



Maintenance

Always unplug the unit from the wall before performing any maintenance.

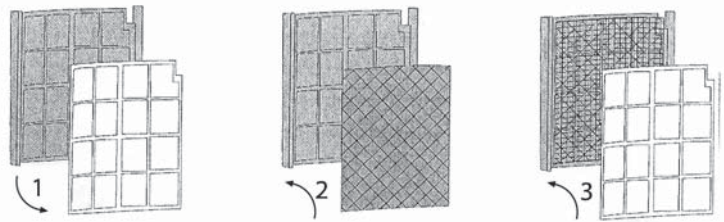
- Make sure the unit is drained before moving.

Cleaning the Unit:

- Only use a soft damp cloth.
- Never use chemicals, oil-based products, detergents, or other cleaning solutions. These could damage the cabinet.

Cleaning the Filter:

- Slide out the filter holder from the unit.
- Separate the filter fixer from the filter holder (see fig. 1).
- Remove the active carbon filter (black).
- To clean filters, vacuum with standard vacuum cleaner. If the filters still appears dirty, Lifetime Filter and frame can be washed with soapy water. **DO NOT** wash the carbon filter
- Insert the active carbon filter into the filter holder (see fig. 2).
- Fix the filters by reassembling the fixer into the filter holder (see fig. 3).



NOTE:

- Before storage be sure filters are clean and dry.
- Should you need to replace filters, contact Arbaco for replacement.
- The screen filter must always be used.
- Filters can be vacuumed.

IMPORTANT: NEVER operate the unit without a filter.

At the end of AC Season, this unit should be drained prior to storage. Refer to “Emptying the Water Container” section of this manual.

- Drain the condensed water (if any) completely.
- Clean or change the filter.
- Put the unit on a warm day in fan mode for a couple of hours to ensure that the inside can dry out completely.
- Store the power cable as shown, protect the unit against dust (put back into its original carton) and store in a dry place not accessible for children.
- To protect the unit against dust, store in a dry place not accessible by children.
- Do not stock heavy objects on top of the unit.

Troubleshooting

Never try to repair or dismantle the air conditioner yourself. Tampering with the unit may result in the loss of warranty and can endanger the user and property.

Problem	Cause	Solution
The Unit Does Nothing	No power supply.	Make sure outlet works. Be sure Green Light is on (L.C.D.I. Plug) Press Re-start button.
	Is the LCD light is flashing?	Drain the Unit.
	Timer Function Set.	Deactivate the Timer Function.
The Air Conditioner Does Not Function Properly	Windows or doors are open.	Close doors and windows.
	The filter is dirty.	Clean or replace filter.
	Air inlet or air outlet is blocked.	Remove blockage.
	Room temperature lower than the selected value.	Lower temperature selected.
	The overheat protection is activated.	Wait 3 minutes until temperature has decreased, then turn on again.
The Unit is Noisy	Unit is not standing on a level surface.	Place on an even surface.
The Remote Control Does Not Function	Distance too great.	Make sure the remote is aimed at the control panel.
	Remote control signal not detected by control panel.	Control is aimed at the control panel.
	Batteries are dead.	Replace the batteries.

AMERICAN COMFORT

WORLDWIDE

One Year Limited Warranty

American Comfort Worldwide LLC ("ACW") warrants this ACW portable air conditioner to the original retail purchaser ("Purchaser") purchasing only in the 48 Contiguous States, for one year from the date of purchase, against defects in material and workmanship under normal use and service. Should your ACW Portable air conditioner prove defective within one year from the date of purchase, please follow our return procedure to return the defective unit. Within the first 30 days, ACW is responsible for the freight cost to and from our authorized service center for all units with an ACW authorized RMA. After 30 days and up to life of warranty (12 months), customer is responsible for freight costs to and from our authorized service center.

ACW's sole obligation under this warranty is to replace, or at ACW's discretion, to repair, free of charge, all defective parts, for a period of one (1) year from date of original purchase. All replacement parts and units will be new, remanufactured, or refurbished. ANY IMPLIED WARRANTY OF MERCHANTABILITY IS SIMILARLY LIMITED TO ONE (1) YEAR FROM DATE OF ORIGINAL PURCHASE AND NO ACTION BASED UPON ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OTHERWISE MAY BE COMMENCED AFTER EXPIRATION OF ONE (1) YEAR FROM DATE OF ORIGINAL RETAIL PURCHASE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Proof of Purchase (i.e. copy of receipt) must be sent with the unit.

The provisions of this warranty shall not apply to any product which in ACW's judgment has been (1) subject to misuse or neglect. (2) damaged in an accident. (3) used for a purpose for which it was not designed, or (4) repaired or altered in any way that adversely affected its performance or reliability. Do not attempt to "open unit", except for filter replacement. Opening unit will void manufacturer's warranty.

THIS WARRANTY DOES NOT COVER:

- Damage, accidental or otherwise, to the unit while in the possession of the consumer not caused by a defect in material or workmanship.
- Damage caused by consumer misuse, tampering, or failure to follow the care and special handling provisions in the instructions.
- Damage to the finish of the case, or other appearance parts caused by the wear.
- Damage caused by repairs or alterations of the unit by anyone other than those authorized by American Comfort Worldwide.
- Freight and Insurance cost for the warranty service beyond 30 days from date of purchase up to life of warranty (12 months).

This warranty covers only new products purchased from our authorized dealers or retailers. It does not cover used, salvaged, or refurbished products.

To obtain warranty service, the defective product or part must be shipped or delivered to: American Comfort Worldwide, the Manufacturer. If warranty applies under ACW's approved terms, all Shipping charges and insurance are covered by purchaser.

AMERICAN COMFORT WORLDWIDE NEITHER ASSUMES NOR AUTHORIZES ANY PERSON TO ASSUME FOR IT ANY OTHER (LIABILITY IN CONNECTION WITH ITS PRODUCTS, THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. NO RESPONSIBILITY IS ASSUMED FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES THAT MAY RESULT FROM THE USE OF AN ACW PRODUCT, NOR FOR THE DAMAGES DUE TO ACCIDENT, ABUSE, LACK OF RESPONSIBLE CARE, THE AFFIXING OF ANY UNAUTHORIZED ATTACHMENT, LOSS OF PARTS, OR USE AT A VOLTAGE OTHER THAN SPECIFIED. Some states do not allow the exclusion of limitation of incidental or consequential damages, so these limitations may not apply to you. ACW disclaims all liabilities for defects or damages caused by use of replacement parts obtained from or by service at any service center other than American Comfort Worldwide, the Manufacturer.

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

QUESTIONS? Call 1-877-645-0299 • www.americancomfort.com

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Dear Customer: Please keep this warranty for your records, along with a copy of the original receipt.
DO NOT return it.