



ecoquest G • E • M • I • N • I

installation | operation | specifications | features | maintenance

user guide



read these instructions before use • save this user guide

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SPECIFICATIONS

Electrical:

- 120V~60 Hz 1.25A
- 129 watts power consumption
- Fixed 3.5 KV DC needle ion generator
- Alternating Negative and Positive Ionization

Size:

- Dimensions: 21.75" x 17.5" x 8.5" (55 cm x 44 cm x 22 cm)
- Unit Weight: 18 pounds (8.2 kg)

Coverage:

- Gemini provides 300 sq ft, or a large living space, of coverage with the HEPA+ filtration system, and up to 1,500 sq ft of coverage of germ-fighting ActivePure technology.**

** Depends on variables such as severity and frequency of pollution, humidity, and temperature.

Warranty:

- Length of warranty will vary depending on model. See warranty card for specific details.

Please record the name and phone number of your

Ecoquest Dealer:

Name _____

Phone _____

Please record the serial number of your Ecoquest Gemini

Serial # _____

INTRODUCTION

Congratulations, you have purchased one of the most effective, technologically advanced air purifiers available. Your new Ecoquest Gemini is designed to provide years of trouble-free, low maintenance operation. Be sure to read and follow all service procedures outlined in this owner's manual, and use only genuine Ecoquest replacement parts available from your Ecoquest Dealer.

If you have any questions concerning this, or any Ecoquest product, contact your Ecoquest Dealer.

IMPORTANT SAFETY INSTRUCTIONS



WARNING! - Do not operate this unit without all filters and front cover installed.



CAUTION! - Disconnect power cord before servicing.



CAUTION! - Do not operate unit near heat sources, open flame, or combustible vapors or gases.



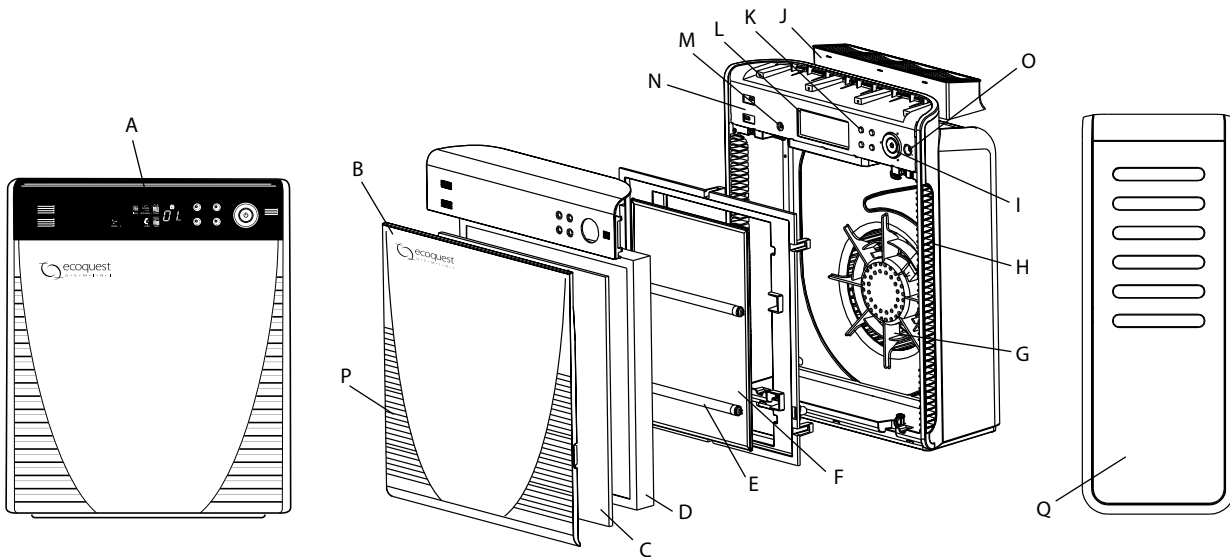
This appliance has a polarized plug (one blade is wider than the other). To reduce the risk of electric shock, this plug is intended to fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this feature.

INSPECTION & INSTALLATION

1. Remove protective packaging.
2. Remove unit from shipping carton.
3. **Remove all protective materials, including all clear protective plastic from the display and sensor openings. If the protective sheet is not removed from the sensor openings, the unit will not operate correctly.**
4. Check for shipping damage and loose or broken parts.
5. Read Owner's Manual thoroughly prior to installation.
6. Install batteries in remote.
7. Determine placement location for the unit (See "Placement of Unit" on page 5). Plug the unit into a working electrical outlet.
8. Using either the remote control or the Power button, turn the unit ON.

FEATURES

- Prefilter - filters out large particles and prolongs the life of the HEPA filter.
- 216 CADR* HEPA+ Dual Filtration: a True HEPA filter combined with activated carbon filtration captures particles as small as 0.3 microns (pollen, smoke, pet dander, mold and airborne dust, etc.) while removing odors.
*Average CADR (Clean Air Delivery Rate) for smoke, dust, and pollen.
- Germicidal UV kills germs, viruses, and bacteria inside the unit.
- Nano-photocatalytic Filter thoroughly decomposes toxic gases and viruses from the air 300 times more effectively than standard carbon filters. It also has the ability to regenerate and clean itself with minimal attention.
- Ionization generates negative ions to always keep the air fresh and to cluster airborne particulate, causing it to drop to a nearby surface.
- Dust & Gas/Odor Sensors detect air quality. Air quality levels are indicated by the unit's front display.
- Auto Mode automatically adjusts fan speed to handle contaminants quickly.
- ActivePure technology kills germs, viruses, and bacteria on surfaces in your environment, including MRSA, E. coli, Strep, and Avian Bird Flu.*
- Washable Prefilter.
- 4 Speed Fan.
- Includes Remote Control.
- Programmable Timer.
- Maintenance Reminders for filters and UV bulbs will be displayed when maintenance is needed.



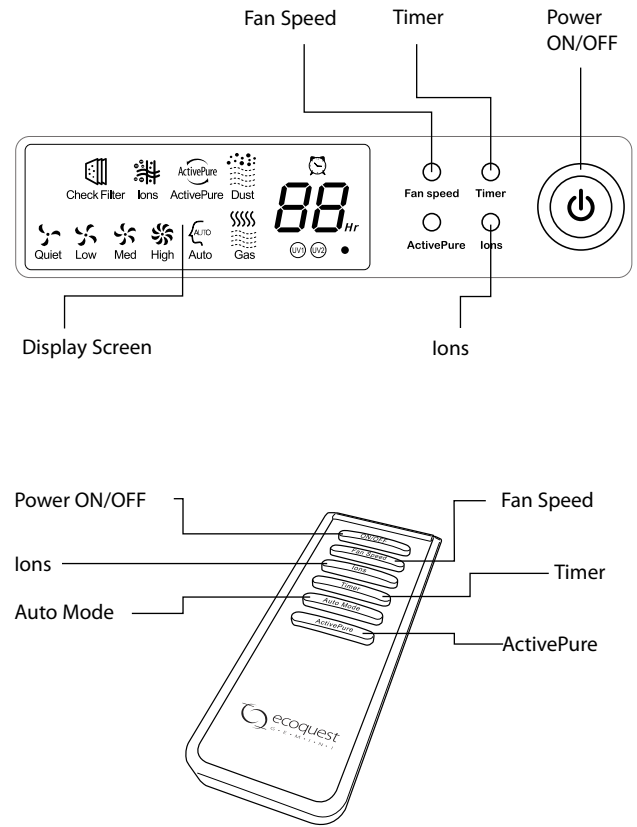
- | | | |
|---|-------------------------------|-----------------------------------|
| A. Front Display | F. Nano-photocatalytic Filter | L. Display |
| B. Front Cover | G. Fan | M. Remote Control Signal Receiver |
| C. Prefilter (Item# US71107) | H. Side Air Inlet | N. Dust Sensor |
| D. Compound Filter (HEPA + Activated Carbon)
(Item# US71108) | I. Power Control | O. Gas Sensor |
| E. UV Lamps (2) (Item# US71109) | J. Air Flow Outlet | P. Front Air Flow Inlet |
| | K. Function Buttons | Q. Remote Control |

* Published scientific testing with Kansas State University has demonstrated the use of EcoQuest's ActivePure technology to substantially reduce microbial populations on surfaces. No claim with respect to airborne microbials is made based on these results. Published scientific testing through the University of Cincinnati has demonstrated the use of EcoQuest's ActivePure technology to substantially reduce airborne contaminants in a controlled environment. Field results may vary based on environmental conditions. These results have not been evaluated by the FDA. This product is not a medical device intended to diagnose, treat, cure, or prevent any disease.

SETTINGS AND ADJUSTMENTS

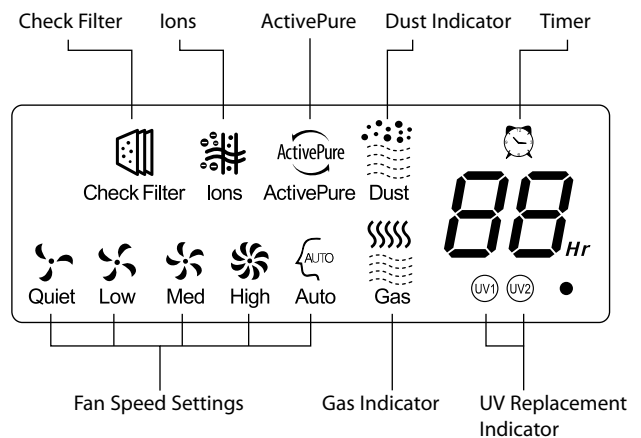
The Gemini can be turned on or off, and adjusted, using either the included remote or the control panel on the front of the unit. Both the remote and the control panel buttons have the same functions.

<p> POWER (stand by) Turns the unit ON and OFF.</p> <p> FAN SPEED Controls the fan speed and auto function setting. The color around the power button changes depending on fan speed:</p> <ul style="list-style-type: none"> • Quiet is green. • Low is blue. • Medium is orange. • High is red. <p> AUTO MODE This mode automatically sets the unit according to the air quality detected by the dust and gas/odor sensor. Ionization generator and ActivePure work together when the unit is in Auto Mode.</p> <p> IONS Indicates that ionization is working. The Ion button turns the ionizer on and off.</p> <p> ACTIVEPURE Indicates the photocatalytic purification is operating. The ActivePure mode starts and stops the ActivePure function.</p> <p>UV LAMPS UV1 or UV2 will illuminate when the relative UV tube fails to work or needs replacing.</p>	<p> TIMER Indicates the automatic shut off is on. The timer count (1-12 hours) is set with the Timer button.</p> <p> CHECK FILTER Check Filter illuminates after an accumulative 3,000 hours of usage as a reminder to change the prefilter and activated carbon filter. The HEPA filter should also be checked against the color shades located on the frame to determine if replacement is needed.</p> <p> DUST AND GAS Indicates the level of current air quality detected. The chart below shows the five quality levels that are displayed.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>Excellent</th> <th>Very Good</th> <th>Good</th> <th>Ordinary</th> <th>Poor</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">□</td> <td style="text-align: center;">□</td> <td style="text-align: center;">□</td> <td style="text-align: center;">□</td> <td style="text-align: center;">□</td> </tr> </tbody> </table> <p>In Auto Mode, the unit automatically adjusts the fan speed to compensate for contaminant levels.</p> <p>PLEASE NOTE - if there is no wavy line shown, dust and gas are below detectable levels.</p>	Excellent	Very Good	Good	Ordinary	Poor	□	□	□	□	□
Excellent	Very Good	Good	Ordinary	Poor							
□	□	□	□	□							



DISPLAY SCREEN

The Display Screen is used to display all current settings (see page 4) as well as any maintenance reminders.



MAINTENANCE REMINDERS




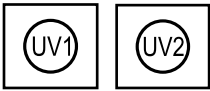
CHECK FILTER

After 3,000 hours of cumulative operation, the maintenance indicator illuminates to remind you to change the prefilter and activated carbon filter. You should also check the HEPA filter with the color shade indicator on the frame to see if a replacement is indicated.

After performing maintenance, press the "FAN SPEED" and "IONS" buttons simultaneously (about 3-5 seconds) until "CL" appears on the timer display to reset the counter.

Please Note: Whenever the "FAN SPEED" and "IONS" buttons are pressed simultaneously, the counter will be reset.

If you do not reset the counter after checking the filters or forget to check the filter after 3,000 hours, the Check Filter icon  will illuminate after an additional 500 hours (3,500 total hours) to remind you again.



UV STATUS INDICATOR

When the "UV1" or "UV2" icon illuminates, UV Lamp 1 or 2 (as indicated) has failed to operate and should be replaced.

PLACEMENT OF UNIT

For best efficiency, place the unit on a smooth, hard floor surface near a cold air return where air flow will not be obstructed.

Suggested locations listed in the order of preference:

1. Nearest the source of the worst pollution.
2. In the area most heavily used to achieve maximum benefit.

GENERAL MAINTENANCE



CAUTION! - Disconnect power cord before servicing.

COVER AND HOUSING:

Clean the unit only when necessary. If the unit is used in a dusty or dirty environment, more frequent cleaning may be necessary.

Remove dirt with a soft fiber cloth.

For tough dirt, a neutral detergent is recommended.

NOTE: Do not expose the housing to hard or sharp objects, or abrasives. Handle the front cover carefully when removing and replacing to avoid damage.

SENSORS:

Carefully vacuum any dust that has accumulated or that is blocking the sensor air inlets.

FILTERS:

Filters should be cleaned and replaced regularly as indicated.

Prefilter:

- Wash gently every three (3) months (do not wring out). Dry on flat surface. Replace after one (1) year.

Compound filter:

- Vacuum every three (3) months. Replace after one (1) year.

- The sides of the unit should always have at least six inches of open area to allow unrestricted airflow.
- **To prevent damage to the unit, do not block the openings or cover the top or sides of the unit.**
- To prevent injury, be sure the power cord is not accessible to small children.

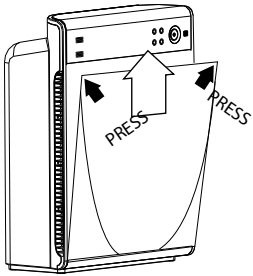
REMOVING FRONT COVER, FILTERS, AND UV TUBES



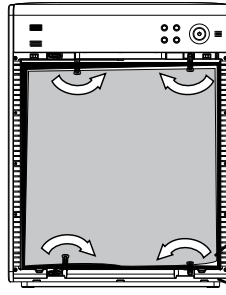
WARNING! RISK OF ELECTRIC SHOCK - These servicing instructions are for use by qualified personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.



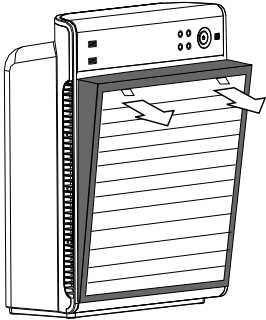
CAUTION! - Disconnect power cord before servicing.



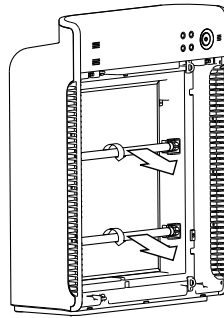
1 Press and release the top corners to unlatch the front cover. Lift upwards to remove.



2 Pull out and turn locks inward to remove Prefilter.

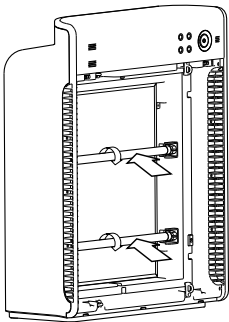


3 Pull the small ribbons at the top of the Compound Filter to remove.

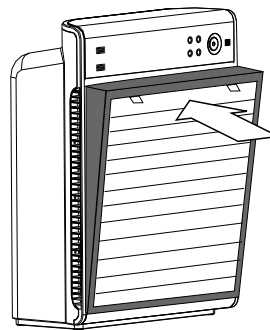


4 Unlock UV Lamps by rotating either up or down until contact pins align with openings. Gently pull UV Lamps out of holders.

REPLACING UV TUBES, FILTERS, AND FRONT COVER

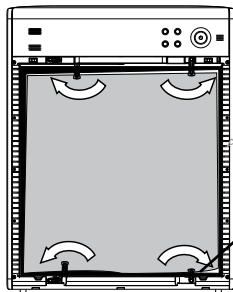


5 Place UV Lamps into holders and rotate either up or down to lock into place.

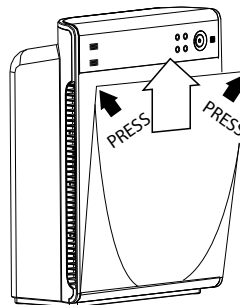


6 Insert Compound Filter into the unit bottom first. Gently push the top inward until it fits securely into place.

NOTE: the HEPA filter should face towards the outside front of the unit.



7 Insert Prefilter. Secure by pulling out and turning the locks.



8 Insert bottom of the front panel into interlocking grooves. Press the cover into the unit at the upper corners until it clicks into place.

TROUBLESHOOTING

WHAT TO LOOK FOR FIRST.

1. I have plugged in the unit, pressed the ON button on the remote (or the unit), and nothing happens... what's wrong?

- Make sure the power cord is inserted completely into the electrical outlet.
- Make sure the electrical outlet is capable of providing power to the unit.
- Make sure the front cover is secure.
- Check or replace the batteries in the Remote Control.

2. Air is not blowing out of unit.

- Make sure there is nothing blocking or covering the air inlets or air outlet.

3. Unit is not performing as expected.

- Make sure the unit is not placed in a poor ventilated environment or blocked by other objects.
- Make sure filters are clean and do not need to be changed.

4. Air outlet smells unpleasant.

- Filters may have absorbed too much odor and smoke and may need to be cleaned or replaced.

5. Air quality indicator always shows poor air quality and remains at "poor" level.

- Make sure the lens inside the sensor is clean. They may need to be cleaned with a cotton swab.

WARRANTY INFORMATION

This product is of solid state construction and is under warranty by:

Ecoquest

310 T. Elmer Cox Drive
Greenville, TN 37743

to the original purchaser, depending on model, to be free from defect in materials and workmanship for a limited time.

Length of warranty will vary depending on model.

See warranty card for specific details.

If your unit fails to operate properly after performing troubleshooting, or if you have any questions concerning your Ecoquest Gemini, please see your local Ecoquest Dealer.

For help, visit www.Ecoquest.com or contact Customer Service at 1-800-989-2299.

To activate your warranty, complete the Registration Information below and mail, or go to www.Ecoquest.com/Warranty to complete your registration online.

Mail the information below to:

Warranty Registration
Ecoquest
310 T. Elmer Cox Drive
Greenville, TN 37743

Register Your Gemini

You'll activate your warranty, and your privacy is guaranteed. Just fill out this card and fax to (423) 638-7561, or mail it to us. This Warranty/Replacement Registration Card below must be completely filled out and returned to Ecoquest in order to activate this limited warranty.

First Name _____		Last Name _____		Date Purchased _____
Mailing Address And Suite/Apt./Mailstop # _____				
City _____	State/Province _____	Zip/Postal Code _____	Country _____	
Email Address _____		Phone Number _____		
Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female		Education: <input type="checkbox"/> High School <input type="checkbox"/> College <input type="checkbox"/> Masters		
Occupation _____		Household Income: <input type="checkbox"/> \$0 - \$30,000 <input type="checkbox"/> \$31,000 - \$75,000 <input type="checkbox"/> \$76,000 - \$150,000 <input type="checkbox"/> \$151,000 - Above		
1. Where did you hear about the Ecoquest Products? <input type="checkbox"/> Ecoquest Dealer <input type="checkbox"/> Television <input type="checkbox"/> Radio <input type="checkbox"/> Newspaper <input type="checkbox"/> Trade Show <input type="checkbox"/> Friend or Relative <input type="checkbox"/> Internet				
2. What problem did you want to solve with the purchase of this product? <input type="checkbox"/> Odor <input type="checkbox"/> Smoke <input type="checkbox"/> Mold and Mildew <input type="checkbox"/> Chemical Odors <input type="checkbox"/> Bacteria <input type="checkbox"/> Static				
3. Did you test the machine through a 3-day (or longer) trial? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Model Purchased _____		Serial Number _____		
Name of Dealer you Purchased this Product from _____		Dealer Number _____		
Your Dealer's Email Address _____				

FCC DECLARATION OF CONFORMITY

Name: EcoQuest International

Model: Gemini

This device complies with Part 18 of the FCC Rules.

RESPONSIBLE PARTY

EcoQuest International

310 T. Elmer Cox Drive
Greeneville, TN 37743

Ph: (800) 989-2299

Signature: 

Printed Name: David Blackwell

Title: Engineering Manager

Date: 2/21/08


This equipment has been tested and found to comply with the limits for Industrial, Scientific, and Medical Equipment (ISM), pursuant to Part 18 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, 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.



Important Ecoquest Warranty Information:

Ecoquest air products with valid serial numbers are warranted by Ecoquest, 310 T. Elmer Cox Drive, Greeneville, TN 37743, to the original purchaser, only, to be free from defect in materials and workmanship for one (1) year from date of purchase (excluding filters, UV lamps and photocatalyst). Remote Control is warrantied for 90 days from date of purchase. If a valid serial number is missing from a product, the warranty will be voided. To confirm warranty coverage, prior to purchasing a product, contact Ecoquest at 800.989.2299 with the serial number located on the back of the unit.

Ecoquest products are authorized for sale through Independent Ecoquest Business Owners only. Warrantees are voided if a product is purchased through unauthorized channels. Ecoquest will not extend warranty coverage on any product sold in a manner that violates Ecoquest's Internet Advertising Guidelines. This includes websites that are not authorized to use Ecoquest's trademarked names, images, and logos, as well as Internet auction sites. The only approved Internet presence for Ecoquest products is Ecoquest's corporate web address www.Ecoquest.com.

Ecoquest's liability under this Warranty shall be limited to repair, or at Ecoquest's option, replacement without charge, except for transportation. All transportation charges on parts, or units, submitted under this Warranty, shall be borne by purchaser. Ecoquest shall perform all warranty work at the office location for the address described on the warranty postcard, and purchaser must deliver defective parts, or units, to that address. Unless this Warranty is expressly renewed or extended by Ecoquest, any repaired or replaced part of unit shall be warrantied to the original purchaser only for the length of the unexpired portion of the original warranty.

Products which are returned for repair after the warranty period, do not have a valid serial number, and thereby, a voided warranty, or which show damage for which Ecoquest is not responsible, will be repaired for a reasonable charge. Ecoquest will advise purchaser of the cost before proceeding. This Warranty shall not apply to any unit which Ecoquest's reasonable judgement has been subject to alteration, misuse, negligence or accident, or damage resulting from improper service by a person not authorized by Ecoquest to perform such work, or from usage with any but the specified voltage, or any product without a valid serial number.

The obligations of Ecoquest herein are expressly granted in lieu of all warranties, whether expressed or implied, including, but not limited to, implied warranties of merchantability and fitness for a particular purpose, and shall be effective for one (1) year from the date of original purchase of this unit (excluding filters, UV lamps and photocatalyst), or 90 days from date of purchase for Remote Control. All implied warranties including warranties of merchantability and fitness for a particular purpose are limited to the term of the express warranty granted herein. However, some states do not allow limitations on how long an implied warranty lasts, so the above may not apply to you.

With the exception of damages resulting from Ecoquest's failure to comply with any obligation under Federal or State Warranty Law, Ecoquest SHALL NOT BE LIABLE TO THE PURCHASER, OR ANYONE ELSE, FOR DAMAGES INCLUDING, BUT NOT LIMITED TO, CONSEQUENTIAL DAMAGES, AND DAMAGES BY REASON OF INJURY TO ANY PERSON, DUE TO DEFECT OR MALFUNCTION OF THE UNIT, OR ANY PART OR PARTS THEREIN, OR FOR ANY OTHER REASON. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. If your unit is defective, please contact Ecoquest, 310 T. Elmer Cox Drive, Greeneville, TN 37743 or www.Ecoquest.com. Please detach and keep for your records. Mail Warranty Card Information to Ecoquest or register online within 10 days of purchase for activation of warranty.

