

# Your new H2EO® Blue Lights Diffuser has the very latest operating system.

Please refer to these instructions as they are slightly  
different from the instructions in your User Handbook.

## HOW TO USE THE CONTROL PANEL BUTTONS

### 1. Press Power/Lights button

- Blue display lights come on

### 2. Press Volume button

- Diffusion starts
- Green panel light comes on to show mist output volume

Continue pressing the Volume button to cycle through and select low, medium, or high mist output volume.

After a couple of seconds, the green panel lights will always default to only one bar lit, to indicate which Mode/Timer setting the diffuser is in. This does not mean your mist output volume has gone back to low. To see the mist output volume setting, press the Volume button and for a couple of seconds it will indicate low (one green panel bar), medium (three bars), or high (five bars) before the display lights default back again to show your Mode/Timer setting. To turn blue display lights off after changing these settings, press the Power/Lights button TWICE.

### 3. Mode/Timer button

If you want continuous diffusion, do not press the Mode/Timer button. The diffuser automatically starts in Mode 1, which gives you continuous diffusion until the water level is low and the diffuser shuts itself off.

However, if you want to select other timed settings, press the Mode/Timer button to cycle through and select your setting:

- The first green panel bar (from left) indicates Mode 1 (continuous diffusion).
- The second green panel bar indicates Mode 2 (continuous diffusion for two hours, then off).
- The third green panel bar indicates Mode 3 (intermittent diffusion: diffuses for three seconds, rests for 40 seconds, until the diffuser detects that the water level is low and shuts itself off).
- The fourth green panel bar indicates Mode 4 (intermittent diffusion: diffuses for 15 seconds, rests for 50 seconds, until the diffuser detects that the water level is low and shuts itself off).
- The fifth green panel bar indicates Mode 5 (intermittent diffusion: diffuses for 30 minutes, rests for 15 minutes, until the diffuser detects that the water level is low and it shuts itself off).

### 4. To turn diffuser off, press and hold down the power button for 3-5 seconds.

## Plant Extracts International Inc.

600 11th Avenue South, Hopkins, Minnesota 55343-7840 USA

Telephone 877-999-4236 (952-935-9903) • Fax 877-329-4236 (952-935-2075)

[www.plantextractsinc.com](http://www.plantextractsinc.com) • [info@plantextractsinc.com](mailto:info@plantextractsinc.com)



# Ultrasonic Diffuser for Essential Oils USER HANDBOOK



For a short video on how to set up and use your diffuser, visit: [www.plantextractsinc.com/video.php](http://www.plantextractsinc.com/video.php)

Copyright © 2016 Plant Extracts International Inc.

*Congratulations on purchasing the world's finest ultrasonic bowl diffuser...the only diffuser fully assembled and tested in the USA!*

Your new H2EO Diffuser offers you features and benefits optimized for the most satisfying experience attainable from the diffusion of fine essential oils.

Using the water in the bowl of the diffuser as the "carrier" for the essential oil, each nano-droplet of water is covered with a molecule-thin coating of the essential oil, which rapidly becomes part of your room's atmosphere.

Select colored display lights to set the mood for your essential oils adventure. For peaceful sleep, all lights can be turned off while diffusion continues.

Depending on the timer mode and volume settings you choose, a single fill can last through the night.

Diffuse our finest grade essential oils and blends day and night. Enhance your sense of well-being. Set the mood in your environment. Bring balance to the air you breathe.

Contact us with any questions...we're here to help.

*We wish you well!*

The Sales and Service Team at Plant Extracts International

Copyright © 2016 Plant Extracts International Inc.

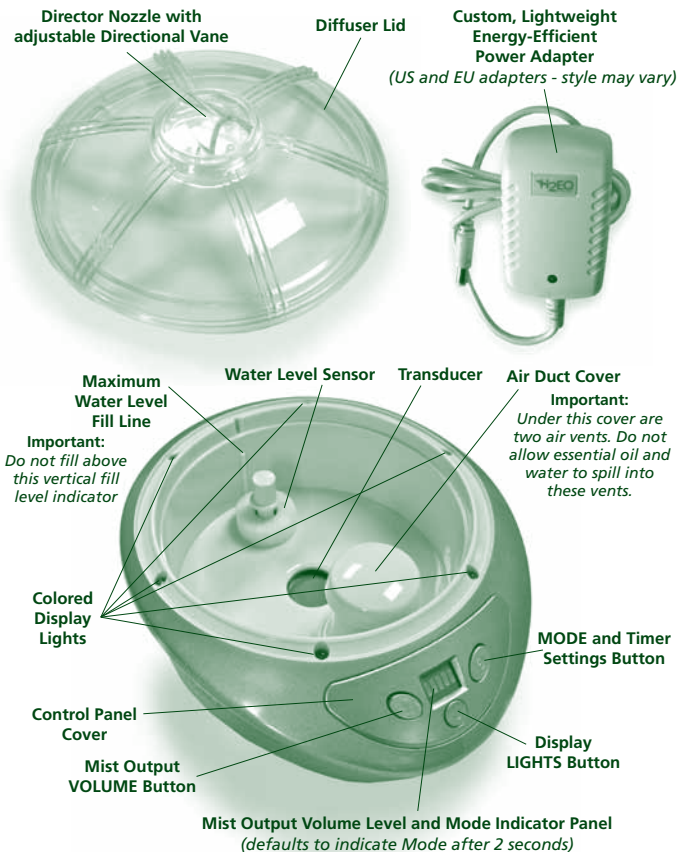
## YOUR DIFFUSER PACKAGE

H2EO Diffuser, Diffuser Lid, Two Director Nozzles (be sure to keep one as a spare), Power Adapter, User Handbook/Warranty.

## SPECIFICATIONS

DIFFUSER DIMENSIONS	7 x 6 x 4 ¼ in (175 x 150 x 110 mm)
TRANSFORMER	120-240V AC/24V DC @ 1000mA-24 VA
MAXIMUM WORKING VOLTAGE/CURRENT	24V DC/650mA-15.6 VA
OPERATION FREQUENCY	1.7 MHz
ATOMIZING RATE	1/3 oz-2 oz (10 to 60 ml) per hour. Rate is extended using intermittent settings (Modes 3, 4 and 5)
DROPLET SIZE	3-5 microns
CAPACITY OF TANK	8 oz (240 ml) of water (to maximum fill level indicated by VERTICAL LINE inside diffuser bowl)
WATER LEVEL SAFETY SHUT-OFF	Activated when water level falls to approximately 2-4 oz. in bowl

<b>CONTENTS</b>	Parts List.....	3
	Specifications.....	3
	Unpacking and Preparing Your Diffuser for Use.....	5
	Ready to Diffuse .....	6
	How to Use the Control Panel Buttons .....	7
	Cleaning Your Diffuser.....	8
	Careful Operation and Safety Instructions .....	9
	Troubleshooting.....	10
	H2EO® AirCare Ultrasonic Diffuser Warranty.....	11



## UNPACKING AND SETTING UP YOUR DIFFUSER

Remove the diffuser from its box. Lift the lid off the diffuser. Take the director nozzle pack from inside the diffuser bowl. Remove one director nozzle from the pack and place it flat side down in the recessed hole at the top of your diffuser's lid. **Be sure to store the extra director nozzle to use as a spare.**

Remove the power adapter from its box. **DO NOT PLUG THE ADAPTER IN BEFORE YOU HAVE CORRECTLY FILLED THE BOWL WITH WATER.**

**WE STRONGLY RECOMMEND USING ANY OF THE FOLLOWING: DISTILLED; DEMINERALIZED; DEIONIZED; STERILE; PURIFIED BOTTLED WATER; OR R.O. (reverse osmosis) WATER.** Use of untreated tap water may cause a build-up which will affect the performance of the diffuser, is very difficult to remove without causing damage, and may void your warranty.

**IMPORTANT: DO NOT OVERFILL THE DIFFUSER.** Overfilling will result in water and essential oil running down the air tube, which may damage the electronic circuitry of the diffuser and void your warranty.

**DO NOT CARRY THE DIFFUSER WITH WATER IN IT.** Bring the water to the diffuser, so that you don't have to carry the diffuser with water in it. This is the most common cause of water damage. To empty the diffuser, bring a bowl or glass to the diffuser and carefully tip the remaining water out of the diffuser. Pour the water out over the back of the diffuser, not over the Control Panel in front.

**USE ONLY PURE ESSENTIAL OILS FROM A REPUTABLE SOURCE.**

**DO NOT USE VEGETABLE OR MASSAGE OILS OR BLENDS, PERFUMES, OR "FRAGRANCES", WHICH CONTAIN MOSTLY SYNTHETIC CHEMICALS AND CAN HARM YOUR DIFFUSER.**

5

## READY TO DIFFUSE

1. Carefully pour up to one cupful (8 oz/240 ml) of clean, filtered water into your diffuser's bowl. Again, do not overfill! Your maximum water fill line is the top of the VERTICAL LINE on the back of the diffuser's bowl.
2. Onto the surface of the water drip 5-10 drops of any pure essential oil, or a blend or combination of pure essential oils. You can control the amount of essential oil diffused by varying the volume output setting and the number of drops you use.
3. Place the lid on your diffuser. Point the Director Nozzle away from diffuser's Control Panel to prevent damage caused by mist.
4. Now plug the adapter output (24 volts DC when powered) into the socket at the back of the diffuser.
5. Then plug the adapter into the AC power outlet. Now you are ready to begin diffusing.
6. Press the POWER button (the center button on the Control Board Cover) to turn your diffuser to "on/ready".
7. Press the VOLUME button (left button) once to begin diffusing at LOW volume output. To diffuse at MEDIUM output, press the Volume button twice. To diffuse at HIGH volume, press the Volume button three times.

**TO TURN YOUR DIFFUSER OFF, PRESS AND HOLD DOWN THE POWER BUTTON FOR 3 SECONDS.** The lights will shut off and diffusion will stop. *Note: on new production models the fan will continue to run for a few seconds to clear remaining mist.*

**Use no more than 15 drops of essential oil in your diffuser.**

If you use more, it's likely that not all of the essential oil will diffuse by the time the machine turns itself off. If you see oil residue in the remaining 2-4 oz of water, that oil was not diffused, which means you are using too much essential oil. This can damage the director nozzle and lid, and the transducer seal in the bottom of the bowl.

6

## HOW TO USE THE CONTROL PANEL BUTTONS

### POWER/DISPLAY LIGHTS Button (Blue Lights Model)

1. Press POWER button to turn on solid blue display lights.
2. Press POWER button again to turn all lights off (while still diffusing).

### POWER/DISPLAY LIGHTS Button (Multi-Colored Lights Model)

1. Press POWER button once to turn on solid blue display lights.
2. Press again for solid green display lights. 3. Press a third time for solid red display lights. 4. Press a fourth time for display lights that cycle through a multi-color sequence. 5. Press a fifth time to turn all lights off (while still diffusing).

### MIST OUTPUT VOLUME Button

Press to cycle through and choose from three mist output volumes...LOW, MEDIUM and HIGH. LOW will be indicated by the left green bar lit. MEDIUM will be indicated by three green bars lit. HIGH will be indicated by all five green bars lit. After two seconds, the Volume indicator lights default to show you which Mode you are in (even though your diffuser continues diffusing at the volume you chose).

### MODE and TIMER SETTINGS Button

**Mode 1.** If you do not touch the MODE button, your diffuser will automatically operate in Mode 1 (you'll know you're in Mode 1 because the left green indicator bar will remain lit). In Mode 1 your diffuser will diffuse continuously until low water level is detected, and it will automatically shut itself off.

**Mode 2.** By pressing the MODE button once, your diffuser is in Mode 2 (second green bar will remain lit). In Mode 2 your diffuser will diffuse continuously for two hours, and then automatically turn itself off.

**Mode 3.** By pressing the MODE button twice, your diffuser is in Mode 3 (third green bar will remain lit). In Mode 3 it will diffuse intermittently: on for 3 seconds, then rest for 40 seconds, until low water level is reached, and it will automatically shut itself off.

7

**Mode 4.** By pressing the MODE button three times, your diffuser is in Mode 4 (fourth green bar will remain lit). In Mode 4 your diffuser will diffuse intermittently: on for 15 seconds, then rest for 50 seconds, until low water level is reached, and it will automatically turn itself off.

**Mode 5.** Pressing the Mode button a fourth time puts your diffuser in Mode 5 (fifth green bar from the left will remain lit). In Mode 5 your diffuser will diffuse for 30 minutes, then rest for 15 minutes, until low water level is reached, and it will automatically turn itself off. *Note: With display lights on, they will stay on even after the diffuser shuts itself off. If you want the display lights off after diffuser stops, press the Power/Lights button at any time during operation.*

## CLEANING YOUR DIFFUSER

At least once a week, empty your diffuser's bowl and wipe it out with an alcohol wipe, a soft, damp cloth, or a facial tissue. Use a Q-tip or a small, soft brush to gently clean hard to reach places.

Look to make sure the fan on the bottom of your diffuser is free of dust and hair. Pet owners find that occasional gentle vacuuming of the fan area will keep the fan clean and free to rotate.

Some essential oils may contain small amounts of natural plant waxes or resins. These may build up over time unless removed by occasional cleaning.

Clean your diffuser by filling the bowl with 8 ounces of pure water and adding a few drops of a mild dish detergent or vinegar. Run the diffuser for a few minutes. Empty the bowl, and carefully rinse with clean water. Empty again and refill to operating level. Add your essential oil and enjoy!

Certain essential oils, for example, clove and cinnamon bark, will cause permanent discoloration of the bowl; however, this does not affect diffusion.

Do not use abrasives or chemical cleaners in the bowl or on the transducer in the bottom of the bowl.

8

## CAREFUL OPERATION AND SAFETY INSTRUCTIONS

1. Please watch the video and read the operating instructions thoroughly. If in doubt, contact us at [info@plantextractsinc.com](mailto:info@plantextractsinc.com). We will be happy to offer you assistance.
2. Only use the H2EO® power adapter supplied with this diffuser.
3. Never plug in the adapter before filling the diffuser to the correct level with water.
4. **DO NOT OVERFILL WITH WATER. DO NOT MOVE THE DIFFUSER WITH WATER IN IT. ESSENTIAL OIL/WATER SPILLAGE IS THE MAIN CAUSE OF ELECTRONIC DAMAGE TO THE DIFFUSER, AND IS NOT COVERED UNDER WARRANTY.**
5. Use only pure essential oils from a reputable source. **DO NOT** use vegetable or massage oils, perfumes, or "fragrances" which contain mostly synthetic chemicals.
6. Operate the diffuser on a hard, flat, level surface. Do not operate on a carpet, towel, cloth or other soft surface that may restrict air flow to the fan in your diffuser's base.
7. Unplug and empty the diffuser before moving it.
8. Should a fault arise (lights flash, diffuser does not work correctly), unplug the diffuser, wait for a minute, plug adapter back in, and press the POWER button. In most cases, this "re-boot" will solve the problem automatically.
9. Do not attempt to disassemble the diffuser. There are no user-serviceable parts, and opening the diffuser will void your warranty.
10. Clean your diffuser with alcohol wipes or a soft, damp cloth. Do not use abrasive cleaners or sharp objects.
11. The diffuser automatically stops when the water level is low. Refill and restart to resume. Sometimes users don't realize that the low water level has been reached and they believe their diffuser is not working, so check to make sure you have sufficient water for your diffuser to operate.
12. Only use your diffuser indoors. Keep it safely away from young children and animals.

9

## TROUBLESHOOTING

**Essential oil/water spilled into the electronics is the most common service issue. Before sending it in for service, try this:** • Empty the diffuser, unplug it, and let it sit for a day or two to "dry out". Then refill and try it again. Often the moisture will evaporate and the diffuser will work again, saving you the expense and inconvenience of sending it in for service.

**POWER Light is on, no mist appears when you press VOLUME:**

• Check that there is enough water in the bowl to begin diffusion  
• Check that you are using the H2EO power adapter. • Check that the power adapter is securely plugged into the wall outlet. • Check that the power cord is securely plugged into the socket at the back of the diffuser. • Users can accidentally get water inside the diffuser by: overfilling; bumping; moving the diffuser while full; or operating with the director nozzle upside down, broken, or missing altogether. Essential oil/water spilled into the electronics will damage the diffuser. Before sending it in for service: empty the diffuser, unplug it, and let it sit for a day or two to "dry out". Then refill and try it again. Often the moisture will evaporate and the diffuser will work again, saving you the expense and inconvenience of sending it in for service. However, if this does happen to you, please try to be more careful, as essential oil/water inside the diffuser will, over time, cause it harm.

**Less mist appears, mist comes from underneath the diffuser, or water in diffuser is very warm:**

• Check that there is enough water in the bowl to begin diffusion  
• Check that you are using the H2EO power adapter. • Remove any hair or other object caught in the fan, so that the fan inlet is not obstructed, and the fan is free to rotate. • Only operate the diffuser on a level, hard surface. • Check to see if the water level sensor is stuck to the post, or to the bottom of the diffuser bowl. It should be free to float to the top of the sensor post. • Check to see if the transducer is clean; NEVER use abrasive cleaning agents or sharp objects. Remove any oil or wax with a soft moistened cloth or Q-tip. • Check mist output VOLUME setting. • Be sure that the lid and director nozzle are securely fitted. • Turn POWER off, unplug, wait one minute. Plug in, refill, and restart the diffuser. If diffuser will not restart, it has been damaged by the overfilling and must be repaired.

10

## H2EO® PRODUCT WARRANTY

Plant Extracts International Inc., subject to the exclusions noted below, warrants its H2EO® AirCare Ultrasonic Diffuser Product to be free from defects in materials and workmanship under normal consumer usage for a period of 12 calendar months from the date of purchase. Warranty is transferable with original invoice.

*This warranty does not cover:*

1. Defects or damage resulting from use of the diffuser in other than its normal and customary manner;
2. Defects or damage from misuse, accident, or neglect;
3. Defects or damage from use of other than distilled, demineralized, deionized, or purified bottled water;
4. Defects or damage from use of impure or adulterated essential oils, or blends containing vegetable or massage oils, or synthetic carrier oils;
5. Defects or damage from improper testing, operation, maintenance, installation, adjustment, or any alteration or modification of any kind;
6. Breakage or damage caused by use of other than the specified mains supply voltage (120/240 VAC country-specific), or use of other than the as-supplied power adapter;
7. Diffusers disassembled or repaired by other than Plant Extracts International Inc. so as to adversely affect performance or prevent adequate inspection, verification, and testing to verify any warranty claim;
8. Diffusers with labels removed or illegible serial numbers;
9. Defects or damage due to overfilling or spilling;
10. Marring such as scratches on any plastic surfaces and externally exposed parts resulting from normal use; and/or
11. Damage resulting from normal wear and tear.

This warranty is the Buyer's exclusive remedy, and applies to new diffusers purchased from Plant Extracts International Inc., or its approved distributors and resellers.

11

(continued on back cover)

**Keep your purchase invoice in case you should need repair, warranty service, or purchase of spare parts.** Before sending your diffuser in for service, try all the troubleshooting tips on page 10. Be sure to unplug and empty your diffuser and let it sit for a day or two. In many cases this will allow minor EO/water spillage inside the machine to dry out. Try it again and if it still does not diffuse, send the diffuser AND adapter, lid and nozzle to Plant Extracts International Inc. (PEI). For best service, print and complete the Service Request Form on our website at: [www.plantextractsinc.com/sales\\_service.php](http://www.plantextractsinc.com/sales_service.php) and include it with your diffuser. We must know your name, address, diffuser problem, email and telephone number to contact you when we have evaluated your diffuser.

**Warranty Claim** Determination of the origin of any fault is the sole responsibility of PEI. Repair or full replacement is at the sole discretion of PEI. Shipping cost to PEI is the responsibility of the owner. On service for a manufacturing fault, the diffuser will be shipped back to the customer at PEI's expense.

**Non-Warranty Repair** Damage to the diffuser or power adapter will be assessed by PEI, and an invoice for repair and return shipping will be issued. Upon acceptance and payment of the invoice, the serviced diffuser will be returned to the owner. Non-warranty repair costs of shipping to and from PEI are the owner's responsibility.

**After-Sale Service and Accessories** (director nozzles, lids and power adapters) are available through [www.plantextractsinc.com](http://www.plantextractsinc.com)



[www.plantextractsinc.com](http://www.plantextractsinc.com)

Copyright © 2016 Plant Extracts International Inc.