

echo<sup>®</sup>  
hydrogen enriched  $H_2$  water

# Echo H2 Pitcher Owner's Manual



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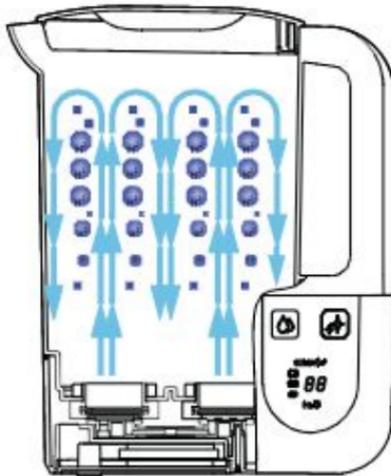
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The fastest way to reach customer support is to email them at **[info@synergyscience.com](mailto:info@synergyscience.com)**.



## Benefits of Echo H2 Pitcher

-  The Echo H2 Pitcher can produce hydrogen enriched water in 10 and 20 minute cycles.
-  Specialized casing keeps hydrogenated water pure and fresh after filtering.
-  Built in rechargeable battery allows the Echo H2 water Pitcher to be used anytime and anywhere.
-  Eco-friendly made of tritan plastic which is bpa free.





## Safety Instructions

Please be sure to follow these instructions to prevent electric shock, fire, or explosion which could result in personal injury or product damage

### ***DO NOT***

- Put pitcher in the microwave.
- Put pitcher in a dishwasher.
- Freeze.
- Disassemble, repair, or modify the pitcher.
- Soak your product in water. (Cover can be washed.)
- Use product if an abnormality occurs.
  - See pages 11 & 12 for troubleshooting options
- Touch the power plug with wet hands; this can cause electric shock, fire, and product failure.
- Allow children to operate or handle the pitcher
- Use carbonated beverages, green tea, or alcohol in the pitcher
- Use water above 140°F/60 °C
- Move the pitcher during hydrogen generation.
- Clean the interior of the pitcher with chemical detergent.  
The electrode will be damaged.
- Use excessive force
  - if product falls, is thrown, or is dropped call Customer Care (see page 2)



## Safety Instructions

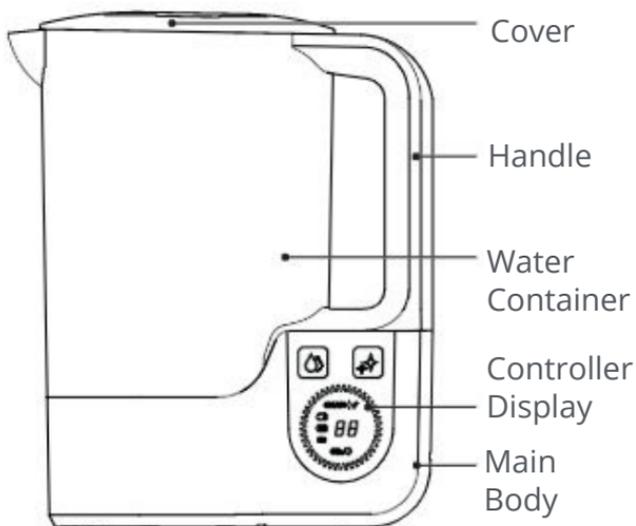
Please be sure to follow these instructions to prevent electric shock, fire, or explosion which could result in personal injury or product damage

- Use only DC 5V. Do not charge with a voltage higher than DC 5V - 2A.
- Keep oxygen outlet on the underside of the pitcher unobstructed.
- Only use manufacturer certified replacement parts and charging cables.
- Using the pitcher without water may cause electrode damage.
- If non-water drinks are used, wash the pitcher with citric acid within 1 hour.
- Only use water when cleaning the exterior of the pitcher. Other detergents/chemicals may cause the pitcher to be discolored or lose paint.
- If the electrodes are completely dry or the product has not been used for one week or longer. Fill the pitcher with water and use after 20 minutes.
- Only use filtered water (R.O. or distilled water) in hydration process.

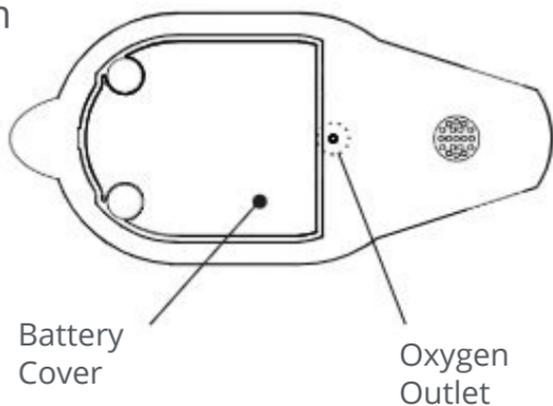
If the electrodes have calcium build up or are damaged, performance can be degraded. Do not clean the interior of the pitcher with chemical detergent.

## Parts

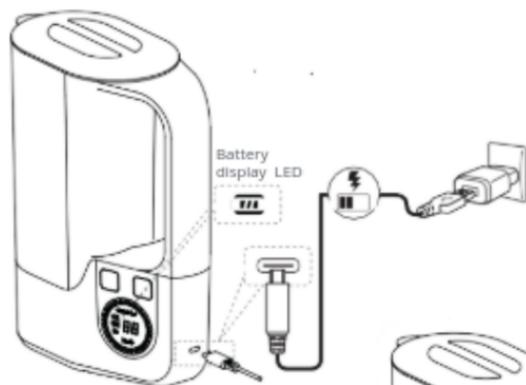
Side View



Bottom View



# Charging



For Outlet Charging:

Connect the C type USB cable to the outlet adapter and to the USB port of the pitcher.

Using a Portable Charger:

Charge portable charger before use.

Connect the C type USB cable to the portable charger and to the USB port of the pitcher.



- Product can be used while charging.
- If the battery display LED is Red, the pitcher is charging. if the LED Display is Green, the pitcher is fully charged.
- Use a charging adapter with 5V, 2A or higher.
- Hydrogen generation is more effective when pitcher is plugged in and/or fully charged

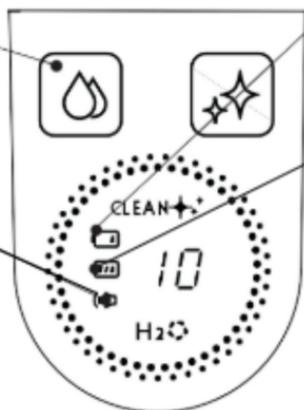
# Display Information

## Hydrogen Water Button

- Start/stop button- 10 minute/20 minute cycle duration select
- Mute/Unmute function

## End of Operation mute/unmute indicator

- Press hydrogen water button 3 times to mute/unmute end of operation chime.



## Low Battery Indicator

- If LED flickers or blinks battery needs to be charged.

## Battery Life Indicator

- Red: Needs to be charged, or is charging
- Green: Product is fully charged

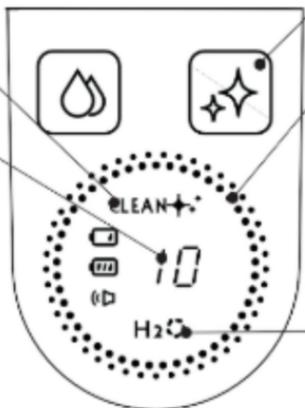
## Electrode Washing Display

## Time and Error Display

- 10 minute or 20 minute mode
- Remaining time in filtration cycle

## ERROR Display.

- EL : Low Current
- : No water



## Cleaning Mode Button

## Operating State Display

- Blue: 10 minute mode
- Green 20 minute mode
- Red: Electrode Cleaning mode

Three flashes indicate end of filtration cycle

## Hydrogen Water Generation Selection display LED.

Error Display.	EL	<ul style="list-style-type: none"> <li>• Operation in low current or electrode dry condition.</li> <li>• Water container is empty</li> </ul>	<ul style="list-style-type: none"> <li>• Activate with warm water (140° F/60°C or less) and use</li> <li>• Fill the water container with water and use.</li> </ul>
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# How to Use

Before first use, open the top cover and **unscrew and remove the electrode moisture retention caps (2 pieces)** inside the water pitcher. The moisture retention caps prevent electrodes from drying out during distribution.

- If the pitcher will not be used for more than a week, fill the electrodes with water and lock the moisture retention cap by screwing them in place. **It is important to remove caps before next use.**

For first use or if you have not used the pitcher for more than one week, follow cleaning procedures. (see page 10)

Open the top cover and fill with filtered water (R.O. or distilled).

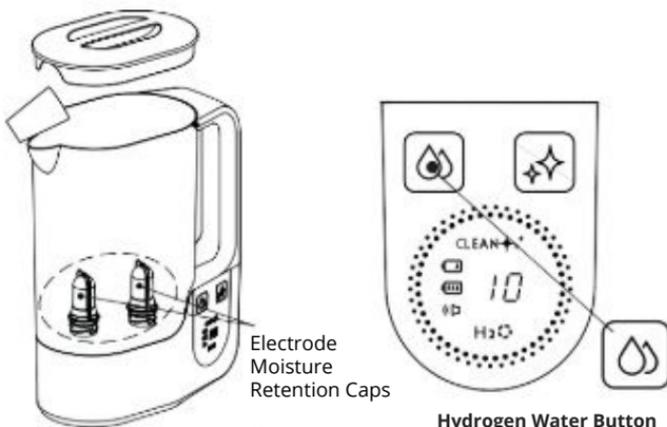
## 10 minute Cycle:

Press and hold the Hydrogen Water Button for 2 seconds and the BLUE LED will light up at the bottom. Display will show 10 minutes. After 10 minutes, the Echo H2 Pitcher will turn off automatically

## 20 Minute Cycle:

For higher concentrations of hydrogen, press the operating button twice and the GREEN LED will light on the bottom. After 20 minutes, the Echo H2 Pitcher will turn off automatically.

If you want to stop generating hydrogen, press and hold the Hydrogen Water Button for 2 seconds, hydrogen generation will stop and pitcher will turn off.



# How to Clean

## Cleaning Procedure

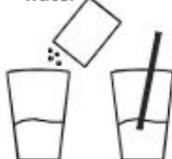
- When using for the first time, put approx. ¼ cup (50cc) of water (68°F~104°F/20°C ~ 40°C ) in a cup, dissolve 2 tsp/10g of baking soda into the water.
- Once fully dissolved, pour water/baking soda solution into water container and leave for about 1 hour. (leaving it for 1-2 hours will have a better cleaning effect.)
- After 1 hour rinse with clean water (distilled water or RO water) 2 ~ 3 times before use.
- Fill the clean water in the pitcher/kettle (distilled water or RO water around (68° F~104°F/20°C ~ 40°C ) about 2/3 full and run the cleaning mode 2 ~ 3 times. For best results change the water each time (RED LED turns on when cleaning mode is activated)
- Clean the inside with a soft cloth, cotton swab, or sponge. If dust or dirt is not removed, add some water and gently swirl several times.

## Extra Cleaning Tips

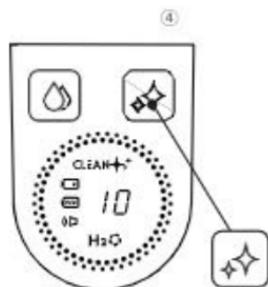
- For better cleaning, use with the power cable connected.
- Water that is rich in minerals may have cloudy bubbles and less hydrogen bubbles. If there are less hydrogen bubbles, use the above cleaning mode before use.
- Water Container Cleaning - Clean the pitcher/kettle with a soft cloth or sponge, etc., and thoroughly rinse it before use.
- Product Appearance - Wipe off dust and dirt from the pitcher/kettle with a wet cloth. (Keep water away from power terminal and battery)

Long-term use of the pitcher/kettle may cause the electrode to smell. The smell of the electrode has nothing to do with hydrogen production and does not affect the taste of water. Periodically, clean the electrode and pitcher/kettle to prevent odors. Smell may require several cycles of cleaning to remove.

- ① Add baking soda to water



② Pour dissolved baking soda and water into Pitcher



Cleaning Button

# Troubleshooting

Please check the following before requesting repairs. If the same abnormality occurs after the action is taken, please contact the customer service @ [infor@synergyscience.com](mailto:infor@synergyscience.com)

Problem	Cause	Solution
Hydrogen bubbles are weak or not generated	Product not at full power or charged	Check battery and charge if needed
	Foreign matter in electrode	Clean the electrodes according to page 10
	Bottom oxygen outlet blocked	Position oxygen outlet on the bottom so that it is not obstructed
	Not used for an extended period of time	Add water to electrodes, continue to use the pitcher to stabilize. (page 9-10)
LED is not illuminated	Product is not charged	Check battery and charge if needed
Thick bubbles occur	Electrodes are dry or not yet stabilized	Wet electrodes with water. Continue using the pitcher to stabilize. Operate 2 or 3 times with warm water (140° F/60°C or less)
Low battery light blinks during hydrogen water generation	Low Battery	Charge the Echo H2 Pitcher

## Troubleshooting (cont.)

Please check the following before requesting repairs. If the same abnormality occurs after the action is taken, please contact the customer service @ [infor@synergyscience.com](mailto:infor@synergyscience.com)

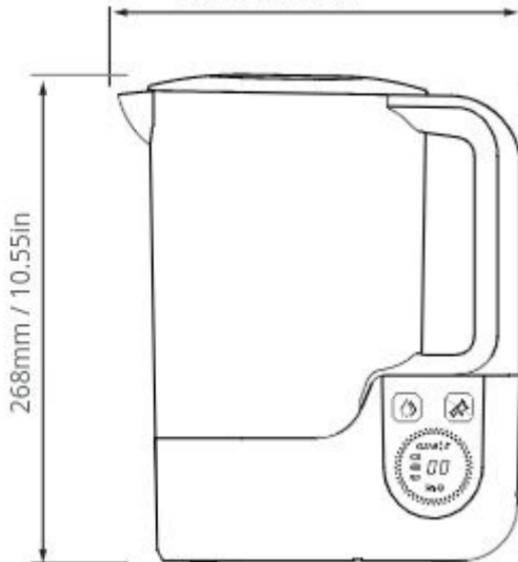
Problem	Cause	Solution
Not charging	Poor connection	Check that the charging terminal and cable have a solid connection
	Charger or cable failure	Check for visible cable damage. Use a different USB C cable, use a different USB/Outlet adapter
Hydrogen water is generating a fine mist	Unstable electrodes	Turn off the power, clean and stabilize (pg 10)
Small leaks to the oxygen outlet	Drying/dried electrode part	Pour warm water (less than 140°F/60°C) to use the electrode area sufficiently wet for more than 10 minutes
Operation sound when hydrogen water is generated.	Hydrogen bubble generation sound	This is a normal occurrence
Odor from electrodes	Prolonged period since cleaning	Clean system (pg 10)

# Product Specification

103mm / 4.05in



216mm / 8.5in



268mm / 10.55in

Name of model.	Echo H2 Pitcher	
Hydrogen capacity.	1,700 cc	1.7 liter
ORP.	-450 ~ -900 mV	
Use temperature.	10 ~ 40 °C	50 ~ 104 °F
Body weight.	About 850g	About 1.9 lbs
Size.	W 216 × D 103 × H 268mm	W 8.5 × D 4.05 × H 10.55 in
Operating time.	10 minutes or 20 minutes	
Charge time.	About 90 ~ 150 min	
Rated voltage.	DC 5V 2A	

# 1-Year Product Warranty

Product	Echo H2 Pitcher	Model Number	EH2P
Serial Number			
Date of Purchase			
Company	Synergy Science, Inc.	Customer Support Phone	800-337-7017
Company website	www.synergyscience.com	Customer Support Email	info@synergyscience.com
Notes:			

1. This product has passed a comprehensive inspection through the strict quality control at the factory.
2. Any part that is defective within the 1 year warranty period (one year from the date of purchase) will be replaced. You are responsible for the cost to ship the Echo H2 Pitcher in for repair. Return shipping is covered by the warranty. Initial shipping is the responsibility of the consumer.
3. If the Echo H2 Pitcher malfunctions, please contact the dealer or customer service.
4. When requesting the repair service see above for the contact information.
5. After purchasing the Echo H2 Pitcher, please fill out the form of the warranty and keep it handy.

#### Warranty details.

1. This product will be repaired in cases where the product is defective within the warranty period.
2. During the warranty period, if the following occurs, the repair will be at a cost to you and not covered under warranty..
  1. Failure due to incorrect or careless handling of Echo H2 Pitcher.
  2. Damage caused by improper use of Echo H2 Pitcher by the consumer.
  3. Failure caused by unauthorized repair or alteration.
  4. Failure due to normal wear and tear.
  5. Failure or defect in the product due to natural disasters or acts of God.

Failure occurs after the expiration of the warranty period will be repaired at a cost to consumer.