

H2E-100

H2E Hydrogen Generator User Manual



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PRODUCT INFORMATION

Dimensions: 168mm x 166mm x 192mm (6.6" x 6.5" x 7.6")

Weight: 2.2Kg (Main Unit) + 0.5Kg (Power Adapter)

Power: 100~240V_{AC}, <60W

NOTE:

1. Save the H2E box and packaging for times you travel or for when you ship the unit back to the manufacturer. The recommended service time is every six months. The service time depends on the usage frequency and the purity of the water used in the machine.

2. Bubbles may build up in tubes during transportation. It is recommended to add distilled water in the tank and follow Troubleshooting steps in this manual when you first receive the unit. Run the unit at an Output Rate of 150cc/min for an hour. Then dump and add fresh water. The unit is ready to use.



WARNING: Do not operate the H2E Hydrogen Generator around heat or fire. Hydrogen (H2) is flammable.



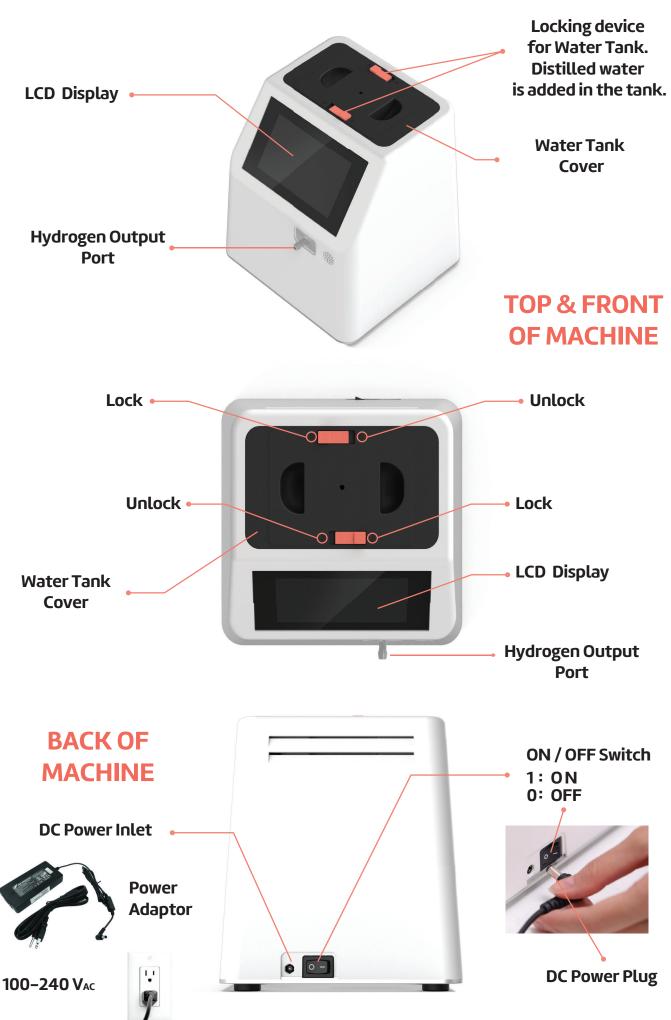
WARNING: Do not smoke near the H2E Hydrogen Generator.

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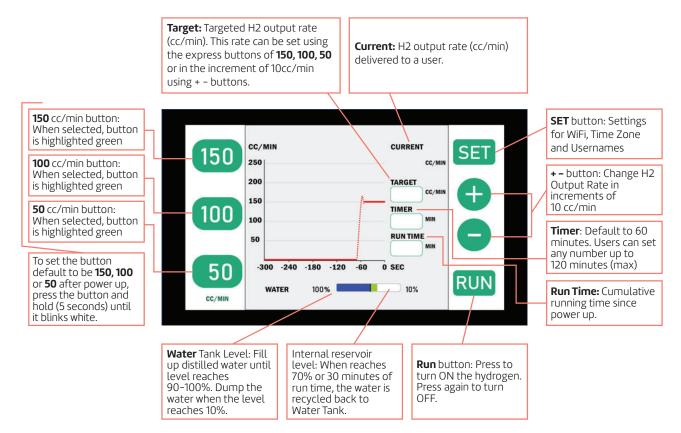
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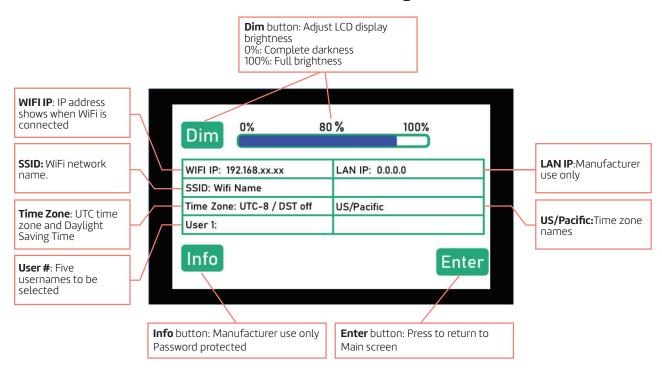


LCD Screens

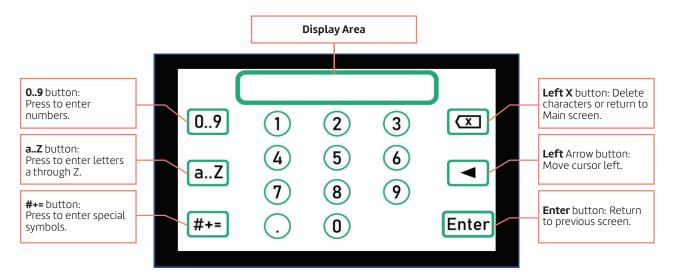
MAIN Screen



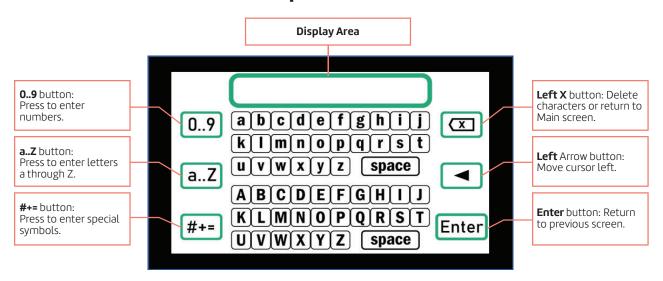
SET Screen (Settings)



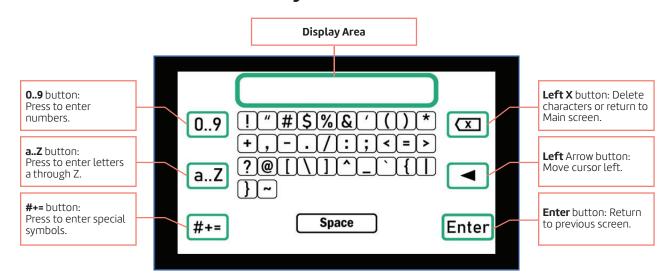
0..9 Number Screen



a..Z Alphabet Screen



#+= Symbol Screen



GET MACHINE READY

Step 1.

Connect machine to power source.





Plug VDC Power into back of machine next to the ON/OFF switch.





Plug into electrical outlet (100V-240VAC).

Step 2. Add water.



Slide the two orange locks open. Then pull the water tank cover straight up.



Add pure distilled water.

↑ WARNING

Do not use tap water, distilled water with added electrolytes, or reverse osmosis water. These may clog the membrane and create the need for maintenance.



Fill water to this line



Fill the tank with water up to the line.

⚠ WARNING

When the water level reaches 10% or below, dump the remaining water in the tank. Replace the water to keep possible contaminants out of the core.

Water Level





Lock the water tank cover by pushing the orange buttons into the lock position.

Step 3.

Turn machine on.



On the back of the machine, turn Switch to ON. The display boots up in less than a minute.

1:0N 0: OFF

SELECT PARAMETERS

Step 4.

Select time.



The default Timer is automatically set to 60 minutes after Power ON. Press Timer to enter different times up to 120 minutes.



Enter Timer minutes. If you enter a number >120, the software will cap the time to 120 minutes.



You can set the default timer value. Once you change the default timer value, the machine remembers the changed value until the Power is turned OFF.



EXAMPLE: On the screen. the time was set to 30 minutes. After you press the RUN button, TIMER starts to count down (29:59....) until the timer reaches 0:00. Then hydrogen generation automatically stops.

Step 5. Set H2 Output Rate (cc/minute).



Select the H2 output rate: 150 cc/min, 100 cc/min, or 50 cc/min.



To fine-tune the H2 output rate, press the + and - buttons.

Step 6. Adjust monitor brightness.



Press SET from Main screen. The next screen shows Dim at the top with a bar showing from 0 to 100%.

0%: Complete darkness 100%: Full brightness.



Adjust the scale by sliding your finger on the scale or directly touching the approximate dimness you want on the scale.



When dimness is set to 0%, the screen darkens. To see the screen again, tap the screen. Brightness is automatically set at 25%.



Readjust the dimness as needed.

ENTER USER INFO

Step 7.Enter User info.



On the SET screen, scroll down and press User 1 to enter your user info.



The current User is highlighted in green. You may press other Users to change.



Press other Users.



Enter the name. Then press Enter.



Press ENTER again.



The newly selected name appears at the top of the display. Make sure the selected User name appears during your session.

Default: USER1

Step 8.

Select Time Zone.

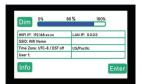


Select Time Zone.



Choose your time zone from the list. Then press BACK.

NOTE: Toggle "..." for more time zones.



Check to make sure Time Zone has been entered correctly on Set screen.

REGISTER THE MACHINE

Step 9.

Register the machine.



NOTE:

H2E Hydrogen Generator serial number is needed for registering product online. You can get Serial Number from Info screen. Info screen is password protected. Contact H2Bio for the password.

Register product online at:

https://www.h2bio.com

Registration allows IOT remote control and machine status for servicing. In addition, registration uploads your statistics for you to monitor progress.

CONNECT TO WIFI

2.4GHz only, no 5GHz

Step 10.

Enter WiFi password.



To connect with the remote access, you need WiFi. On the SET screen, press SSID.



A listing of the local networks is displayed. Choose your WiFi network.



Enter WiFi password.
If you make a mistake,
press the **LEFT X** or **LEFT Arrow** to correct.



Press Enter.



Check SSID on the SET screen. If WiFi is connected, WiFi IP appears.

If WiFi IP remains 0.0.0.0, the WiFi is not connected.



Data may be logged per user's usage and uploaded to the Cloud database for statistics. "Data" refers to H2 usage and machine status. Data is logged only when WiFi is connected.



The correct time shows after WiFi is connected successfully.

START SESSION

Step 11.

Begin session.



Press RUN on the display to generate H2.

If you press RUN again the machine stops.



Machine has stopped running.



Machine is running.



NOTE: When the machine is running, the RUN button is green.

Watch for the red line at the bottom of the graph to rise to the selected H2 concentration level.



The red line should stay horizontal during the session. The **Current** and **Target** numbers should match or be close. If so, you are ready to sit back and enjoy the session.

TROUBLESHOOTING

H2 level dropping

If the H2 output rates drop, you will not get all the benefits of the session.



Step 1. If the red line on display monitor goes downward instead of staying horizontal, a bubble may be in the water inlet.



Step 2. Place the tip of a clean syringe directly over the water inlet. Draw some of the water.



Step 3. Push the water in the syringe into the inlet to force the bubble out.



Oxygen bubbles come out when hydrogen is produced.

Step 4. Remove the syringe. Wait for oxygen bubbles to appear. The bubbles are an indication that hydrogen is generated.

Removing obstacles in the water

Water is used to produce the H2 in the machine. If the water flow is obstructed by particles in the water,
H2 cannot be produced.



Step 1. Dump the water and add fresh distilled water into the tank. NOTE: Another time to dump the water is when the water level is down to 10%. Fresh water helps keep contaminants out of the H2E Hydrogen core.



Step 2. Turn machine on again. Check to make sure the red line stays horizontal.

H2 output rate doesn't reach the set value after troubleshooting

See "Removing obstacles in the water".

Machine may need service.

If using a syringe or changing water does not solve the problem, H2E Hydrogen Generator needs maintenance service. Pack the machine in its original box, and send the machine back to the

Clicking sound is heard about every 30 minutes

There is nothing wrong when this happens. The machine is internally pumping water back into the Water Tank to recycle it.









WARNINGS, CAUTIONS, TIPS, AND MAINTENANCE

WARNINGS



WARNING: Do not operate the H2E Hydrogen Generator around heat or fire. Hydrogen (H2) is flammable



WARNING: Do not smoke near the H2E Hydrogen Generator.

CAUTIONS

CAUTION: Do not move the machine while it is running. If the bottom of the machine is hot, let it cool for a few minutes before moving.

CAUTION: Machine stops when water level gets down to 10%. Dump remaining water to stop deposits from accumulating in the core. Then refill the water tank.

CAUTION: Do not use a dirty syringe to clear an air bubble inside the inlet.

CAUTION: Do not use water that comes from the tap or contains any minerals or impurities. Water that is not 100% pure clogs the membrane in the machine, resulting in maintenance or repair.

MACHINE MAINTENANCE

Maintenance is required on the H2E Hydrogen Core. The recommended time for maintenance is every six months. However, the time for maintenance may be extended a few more months based on water purity.

For each maintenance session, it is recommended that you send the H2E Hydrogen Generator back to the manufacturer in its original box with original packing material.



Scan QR Code to see the demo video

LIMITED WARRANTY LIABILITY

(a) H2BIO warrants to products to meet H2Bio's published specifications at the time of purchase and to be free from defects in workmanship and materials for period of (i) six months in the case of the H2E-100 Core, and (ii) one year in the case of all other components and materials. The warranty maybe voided by the user's material misuse of the product, including for example the failure to use pure or distilled water in operating the product. Any product which is or becomes defective during the applicable warranty period shall be repaired or replaced, at H2BIO's option when you return such product, transportation prepaid, to H2BIO's principal facility in California, or such other place as may be designated in writing by H2BIO. You must obtain a Return Material Authorization from H2BIO before returning the product to H2BIO, and H2BIO shall pay the transportation charges for returning the product to you. You shall bear all risk of loss or damage during transportation to and from H2BIO. H2BIO shall have the final right of determination as to the existence or cause of a defect. If it is found that the product is not defective, you will be notified, the product will be returned at your expense and a charge may be made for examination and testing. H2BIO's responsibility under this warranty does not apply to any product which is used in connection with any human life support device, or which has been altered or subject to misuse, negligence or accident or whose serial number has been altered, defaced or removed. THIS LIMITED WARRANTY SETS FORTH THE ENTIRE EXTENT OF H2BIO'S LIABILITY FOR DEFECTIVE PRODUCTS. H2BIO MAKES AND YOU RECEIVE NO OTHER WAR-RANTY, EXPRESS OR IMPLIED, AND THERE ARE EXPRESSLY EXCLUDED ALL WARRANTIES OF MER-CHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL H2BIO BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR PUNITIVE DAMAGES INCURRED BY YOU OR ANY OTHER PERSON. IF FOR ANY REASON THE FOREGOING LIMITATION ON LIABILITY IS VOIDED OR IS NOT EFFECTIVE, YOU AGREE THAT H2BIO'S LIABILITY FOR DAMAGES, IF ANY, SHALL NOT EXCEED THE PAYMENTS MADE BY YOU FOR ANY DEFECTIVE PRODUCT. In no event shall H2BIO be liable for loss of profit, loss of stored data, damage to other equipment used in conjunction with the products, whether or not used properly, or any other incidental, consequential or special damages. This paragraph is not intended to limit H2BIO's liability to a greater extent then permitted by law.

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