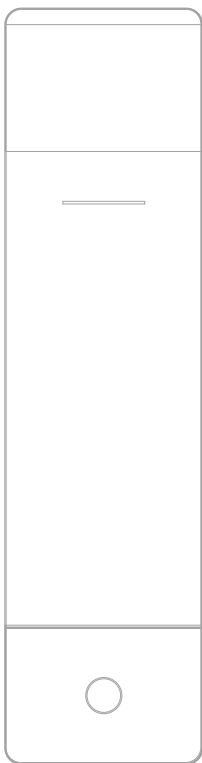


**H<sub>2</sub>-MAX**



**Low frequency  
hydrogen-rich water cup  
User manual**

This product is not a medical device and  
cannot be advertised for any therapeutic effect.

Please read this manual carefully and keep it properly before use.

# Low frequency hydrogen-rich water cup

## Precautions for Safe Use of Low Frequency Hydrogen-rich Water Cup

The hydrogen-rich cup produces high-purity hydrogen, a highly reactive gas that ignites easily when exposed to an open flame. For safe usage, please read these safety instructions carefully and follow them when operating the device.

### Precautions:

1. It is strictly forbidden to use fast charging to charge this product, and choose qualified and safe charging accessories;
2. Please use drinking water (not vinegar, tea drinks, etc.), and choose water temperature between 5-60°C.
3. Do not immerse in water or rinse with water. Do not start the cup without water to avoid damaging the core membrane electrode.
4. Pour out the protective liquid in the hydrogen generator for the first use, screw on the cup body, rinse with water 2-3 times before use.
5. When the outdoor temperature is below 0°C, it must be stored indoors (temperature > 10°C) for 12 hours before use.
6. Minors and those who cannot take care of themselves are strictly prohibited from operating alone.
7. It is strictly prohibited to block the top exhaust vent or bottom exhaust vent during use.
8. It is strictly prohibited to conduct ignition experiments on the gas produced by the product without authorization.
9. Regardless of whether it is used or not, a small amount of water should be left in the cup to keep the membrane moist.
10. A newly manufactured hydrogen generator will reach normal performance after one week of continuous use if the membrane electrode is dry.
11. Do not touch or clean the electrode with hard objects to avoid scratching the platinum layer.
12. Do not disassemble the device by yourself. We will not be responsible for any consequences arising from this.

### Conditions of use

- |          |                               |          |                          |          |                                       |          |                                |
|----------|-------------------------------|----------|--------------------------|----------|---------------------------------------|----------|--------------------------------|
| <b>1</b> | Ambient temperature<br>5-60°C | <b>2</b> | voltage current<br>5V/1A | <b>3</b> | adaptable water temperature<br>5-60°C | <b>4</b> | water source<br>drinking water |
|----------|-------------------------------|----------|--------------------------|----------|---------------------------------------|----------|--------------------------------|

## Working environment

1. The normal operating temperature of this equipment should be between 5°C and 60°C, and there should be good ventilation conditions.

2. The ambient temperature should not be lower than 5°C (to prevent the liquid inside the machine from freezing), and it should not be placed in a damp or exposed place.

1. Do not work continuously for more than 3 times (or 20 minutes) to avoid affecting the product's heat dissipation.

2. Working while charging will damage the battery life. Also, hydrogen production should not exceed 3 cycles to prevent excessive pressure in the cup.

3. Hydrogen gas has a short storage time in water, it is recommended to make and drink it immediately or store it for no more than 30 minutes.

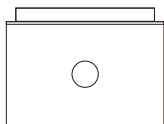
## Main Components



Control Panel



Low-Frequency  
Activator



Hydrogen Generator



Cup Body

### Control Panel

Displays battery level, working time, and water drinking reminder

### Low-Frequency Activator

The core component of low-frequency resonance, which processes water

### Hydrogen generator

Uses MEA technology to produce high-concentration hydrogen in water

### Food-grade plastic cup body

Adopts a split structure suitable for replacement or regular cleaning

## Accessories

Charging cable, spray bottle, nasal straw, protective cover, hydrogen guide cover, portable cup cover, spare silicone pad/pressure membrane

It is recommended to use a 5V/1A charger to charge this product, which helps protect the battery and extend the product's lifespan.

Note: If there are any technical improvements to the product, they will be included in the new manual without further notice. The appearance and color of the product are subject to the actual object.

## Product parameters.

Product name:	Intelligent cup	Water temperature:	5 -60°C
Working time:	6 minutes per use	Ambient temperature:	5 -60°C
Hydrogen content:	≥5000ppb	Voltage/current:	5V/ 1A
Electrode material:	Platinum 3um	Output power:	5W
Material:	Platinum proton	Battery capacity:	1800mAh
Water capacity:	280ml	Charging time:	2-3 hours
Water quality:	Drinking water	Product size:	Φ60*238mm
Execution standard:	HW003 -2022	Product model:	H <sub>2</sub> -MAX

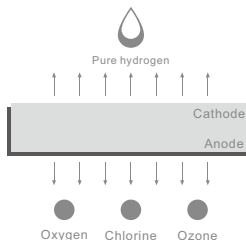
## Low-frequency Resonance Activator

The low-frequency resonance activator uses an electromagnetic resonance technology to simulate a specific geomagnetic field environment and resonate with water. It is a pure physical method that does not come into contact with water or add any substances to the water. When processing water, please stay away from electrical appliances such as electromagnetic stoves. The processed water can maintain stability for a long time.



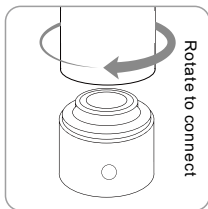
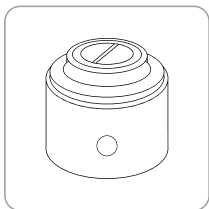
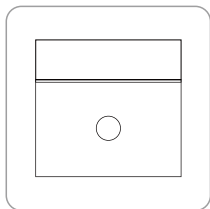
## Hydrogen Generator

Hydrogen generator decomposes water into hydrogen and oxygen through microelectrolysis, and some of the hydrogen dissolves in water to form hydrogen-rich water. The high-concentration hydrogen generator uses physical compartmentalization and zero-distance microelectrolysis technology to separate hydrogen and oxygen through SPE proton membrane, and waste gases such as ozone and chlorine are directly discharged from the bottom.

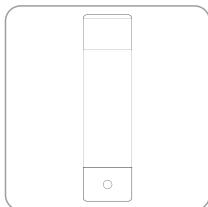
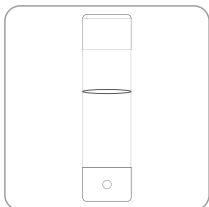
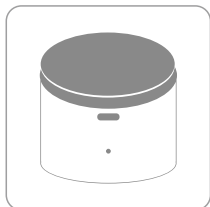


## Model A (circular)

1. Remove the hydrogen generator, unscrew the protective cap, and attach it to the cup body



2. Remove the low-frequency activator, pour in drinking water, and screw the cup body



3. Activate the low-frequency activator and set the timer



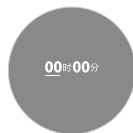
### Turning the low-frequency activator on/off

Double-tap the black panel to turn on, press briefly for 0.5 seconds to turn off



### Turning the drinking reminder on/off

Press and hold for three seconds to activate the drinking reminder, press and hold again for three seconds to deactivate the reminder.



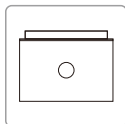
### Time adjustment and settings

Press briefly three times to enter settings, press to select the "hour/minute" underscore

## Operation

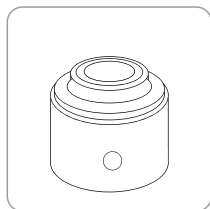
The hydrogen generator has a touch-sensitive switch: tap quickly twice for six-minute hydrogen production, three times for twenty minutes, and five times for a thirty-second cleaning cycle. The low-frequency activator and black lid function similarly, with two quick taps activating a six-minute cycle

1. Add water to the cup
2. Activate the hydrogen generator
3. Turn on the low-frequency activator

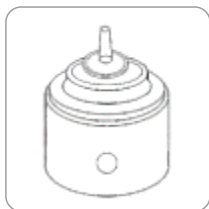


## Hydrogen inhalation mode

Tap the switch quickly three times for twenty-minute hydrogen production



01-Pour a small amount of water

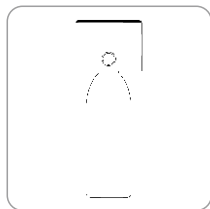


02-Screw on the hydrogen inhalation cap

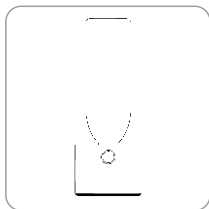


03-Attach the hydrogen inhalation tube

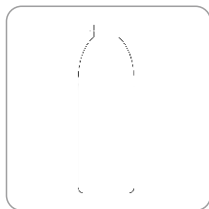
## External mineral water mode



01-Screw on the mineral water



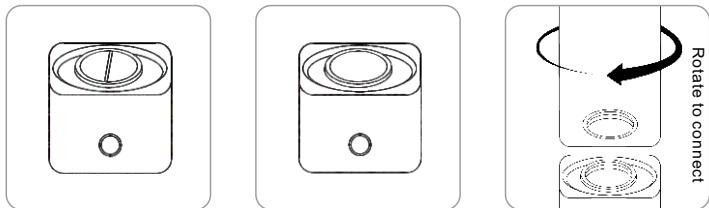
02-Invert to activate



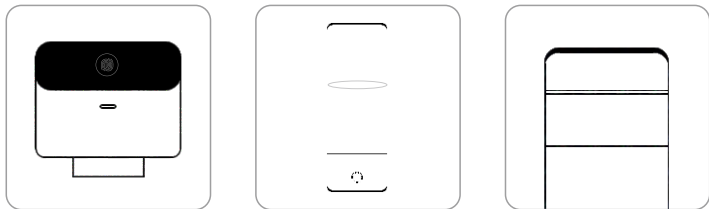
03-Unscrew to drink

## Model B (square)

1. Remove the hydrogen generator, unscrew the protective cap, and attach it to the cup body



2. Remove the low-frequency activator, pour in drinking water, and screw the cup body



1. The hydrogen generator features a metal switch: press it to illuminate a blue light for six-minute hydrogen production, intended for daily drinking water.

2. Press and hold the switch for more than three seconds, release to illuminate a light green light for twenty-minute hydrogen production, typically used for hydrogen inhalation.

3. Press and hold the switch for more than ten seconds, release to illuminate a pink-red light for a thirty-second cleanse producing disinfectant water, which must not be consumed!

4. The low-frequency activator has a touch switch located at the center of the lid (marked by a fingerprint symbol), operated as follows:



1. Align the markings on the hydrogen generator and the cup body before tightening.

2. When adding water daily, do not exceed the lower position of the cup's metal components.

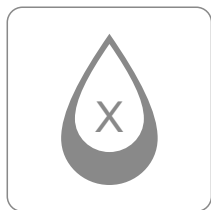
3. The operations for hydrogen inhalation mode and external mineral water mode are the same as Model A.

1. Press and hold the fingerprint symbol on the lid; the buzzer will sound, and the low frequency will start with a blue light on.

2. Keep pressing the fingerprint symbol on the lid; the buzzer will sound, and the low frequency will stop with the blue light off.



## Precautions for use



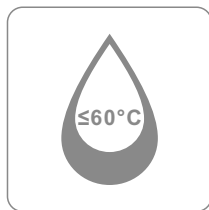
### Prohibited to start without water

Prohibited to start the product in a dry state, dry burning will damage the platinum electrode and membrane



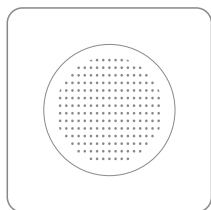
### Prohibited to have dry membrane

When not using the product, leave a little water to moisten the base to avoid dry membrane affecting the hydrogen production



### Prohibited to use high-temperature water

Do not use drinking water above 60°C to avoid accelerating product aging



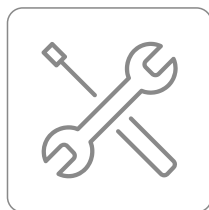
### Prohibited to scratch the electrode plate

Do not touch or clean the electrode with hard objects to avoid scratching the platinum layer



### Non-potable water is strictly prohibited

This product is only suitable for pure water, mineral water, etc., and cannot process liquids such as tea, wine, and vinegar



### Self-disassembly is strictly prohibited

Self-disassembly of the machine is strictly prohibited. Disassembly is not covered by warranty. Please contact the dealer if there is a malfunction

## Service Content

**Product  
Qualified**

Inspector Code: H2-MAX-02  
This product is allowed to be  
shipped after passing the inspection



## Maintenance Service Content

The whole machine is guaranteed for one year, and the main components are guaranteed for one year (under normal use).

For products not used in households (such as business use), the whole machine and main components are free of charge for six months.

### Valid certificate

Valid receipts, product acceptance records, user sales orders, and other verifiable certificates. If there is no valid certificate, the purchase time will be postponed three months from the date of production.

### The following situations are not within the scope of replacement:

1. Damage or man-made damage caused by improper handling, use, storage and maintenance by the user;
2. Repaired by non-designated maintenance personnel or disassembled and repaired by the user;
3. Damage to product accessories, printed materials, etc.
4. Damage caused by using non-standard gifts and accessories not provided by our company;
5. Model number on the invoice does not match the repaired product model or has been altered;
6. Product malfunctions or damages caused by force majeure factors such as earthquakes, fires, floods, lightning strikes, etc.

### Routine maintenance and cleaning

1. After each use, unscrew the cup lid to release pressure and prevent the base from leaking under high pressure.
2. Every 1-2 months, soak the membrane electrodes in citric acid solution or white vinegar for about 10 minutes, then rinse with clean water.
3. Every 2-4 weeks, clean the bottom outlet of the hydrogen generator with a sponge or soft cloth dipped in white vinegar.

## Product Warranty Card

Product-related information (to be filled out by the user)

User name: .....

Purchased item: .....

Product model: .....

Purchase date: .....

Maintenance record: .....

.....

.....

### Common troubleshooting

1. If the machine does not start, it may be due to the battery being depleted; recharge to resume use.
2. If there are no bubbles or fewer bubbles, it might be due to a dry membrane; soak in warm water for several hours and perform several electrolysis sessions to see if bubble production increases. Normal performance should resume after about a week of continuous use.
3. A reduction in bubbles and increasing pressure inside the cup during operation is a normal occurrence.
4. If the cup leaks from the bottom, it is advisable to unscrew the lid to release pressure after each use, even if not drinking from it.
5. If the lights behave unusually, it may be due to using the device while charging; it is recommended to fully charge before using the product.

***H<sub>2</sub>-MAX***