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› [haocheng](#) /

› [haocheng 2.3L Ultrasonic Cleaner User Manual](#)

## haocheng 2.3L Ultrasonic Cleaner

# haocheng 2.3L Ultrasonic Cleaner User Manual

Model: 2.3L Ultrasonic Cleaner

## 1. PRODUCT OVERVIEW

The haocheng 2.3L Ultrasonic Cleaner utilizes high-frequency sound waves to create cavitation bubbles in a liquid, effectively cleaning various items. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your ultrasonic cleaner.

## 2. SAFETY INSTRUCTIONS

- **Read all instructions:** Before operating the unit, thoroughly read and understand all safety and operating instructions.
- **Electrical Safety:** Ensure the power supply matches the unit's requirements. Do not operate with a damaged power cord or plug. Keep the unit away from water sources to prevent electric shock.
- **Ventilation:** Operate the unit in a well-ventilated area to dissipate heat and fumes from cleaning solutions.
- **Cleaning Solutions:** Use only recommended cleaning solutions. Avoid flammable, corrosive, or highly acidic/alkaline solutions unless specifically designed for ultrasonic cleaners and compatible with the tank material.
- **Temperature:** Do not exceed the maximum recommended operating temperature. Allow the unit to cool down between prolonged uses.
- **Children and Pets:** Keep the unit out of reach of children and pets.
- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- haocheng 2.3L Ultrasonic Cleaner Unit
- Power Cord
- Instruction Manual (this document)
- Cleaning Basket (if included with model)

## 4. PRODUCT COMPONENTS

Familiarize yourself with the main parts of your ultrasonic cleaner.



**Figure 1:** Placeholder image representing the haocheng 2.3L Ultrasonic Cleaner. This image typically indicates that a product image is not available. A functional image would normally show the main unit, control panel, and tank.

- **Stainless Steel Tank:** Holds the cleaning solution and items to be cleaned.
- **Control Panel:** Contains buttons and display for setting time, temperature, and power.
- **Lid:** Covers the tank during operation to reduce noise and prevent splashing.
- **Drain Valve:** Located at the bottom or side for easy draining of the solution.
- **Power Inlet:** Connection point for the power cord.

## 5. SETUP

1. **Unpack:** Carefully remove the ultrasonic cleaner from its packaging.
2. **Placement:** Place the unit on a stable, level, and dry surface, ensuring adequate ventilation around the unit.
3. **Fill Tank:** Fill the stainless steel tank with an appropriate cleaning solution. Ensure the liquid level is between the MIN and MAX marks. Do not operate the unit without liquid in the tank.
4. **Connect Power:** Plug the power cord into the unit's power inlet, then connect it to a grounded electrical outlet.

## 6. OPERATING INSTRUCTIONS

### 6.1. Preparation

1. Ensure the tank is filled with the appropriate cleaning solution.
2. Place items to be cleaned into the cleaning basket. Avoid overcrowding.
3. Lower the basket into the tank, ensuring items are fully submerged but not touching the bottom of the tank directly.
4. Close the lid.

### 6.2. Cleaning Cycle

1. **Power On:** Press the power button to turn on the unit.
2. **Set Time:** Use the timer controls to select the desired cleaning duration. Typical cycles range from 5 to 30 minutes, depending on the items and level of dirt.
3. **Set Temperature (if applicable):** If your model has a heating function, set the desired temperature. Heating can enhance cleaning effectiveness for some solutions.
4. **Start Cleaning:** Press the START button to begin the ultrasonic cleaning process. The unit will emit a humming sound.
5. **Completion:** The unit will automatically stop when the set time expires.

### 6.3. After Cleaning

1. Open the lid and carefully lift the cleaning basket out of the tank.
2. Rinse the cleaned items with clean water to remove any residual cleaning solution.

3. Dry the items thoroughly.
4. **Draining:** When the cleaning solution is no longer effective or becomes excessively dirty, drain it using the drain valve. Dispose of the used solution according to local regulations.

## 7. MAINTENANCE

- **Tank Cleaning:** After draining, wipe the inside of the tank with a soft cloth. Do not use abrasive cleaners or steel wool.
- **Exterior Cleaning:** Wipe the exterior of the unit with a damp cloth. Do not immerse the unit in water.
- **Storage:** Store the unit in a cool, dry place when not in use. Ensure the tank is empty and dry.
- **Solution Replacement:** Replace cleaning solution regularly to maintain optimal cleaning performance.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Power cord not connected; Faulty outlet	Check power cord connection; Try a different outlet; Ensure power switch is ON.
No ultrasonic action (no humming sound)	Unit not started; Insufficient liquid in tank; Malfunction	Press START button; Ensure liquid level is correct; Contact customer support if problem persists.
Poor cleaning results	Incorrect cleaning solution; Overloaded tank; Too short cleaning time; Solution too dirty	Use appropriate solution; Do not overload; Increase cleaning time; Replace cleaning solution.
Unit overheats	Prolonged operation; Insufficient ventilation	Allow unit to cool down; Ensure proper ventilation around the unit.

## 9. SPECIFICATIONS

- **Model:** 2.3L Ultrasonic Cleaner
- **Tank Capacity:** 2.3 Liters
- **Ultrasonic Frequency:** (Specific frequency, e.g., 40 kHz - *Please refer to product labeling for exact value*)
- **Ultrasonic Power:** (Specific wattage, e.g., 60W - *Please refer to product labeling for exact value*)
- **Heating Power (if applicable):** (Specific wattage, e.g., 100W - *Please refer to product labeling for exact value*)
- **Timer Settings:** (Specific range, e.g., 1-30 minutes)
- **Temperature Settings (if applicable):** (Specific range, e.g., 20-80°C)
- **Tank Material:** Stainless Steel
- **Power Supply:** (Specific voltage/frequency, e.g., AC 110-120V, 50/60Hz)
- **Dimensions:** (Specific L x W x H - *Please refer to product labeling for exact value*)

## 10. WARRANTY INFORMATION

This haocheng 2.3L Ultrasonic Cleaner is covered by a limited warranty against defects in materials and workmanship. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, including duration and coverage details, refer to the warranty card included with your product or contact haocheng customer support.

## 11. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact haocheng customer support. You can typically find contact information on the product packaging, the official haocheng website, or your purchase receipt.

*Please have your model number (2.3L Ultrasonic Cleaner) and purchase date ready when contacting support.*

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