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## YXJPP 1.3L Digital Ultrasonic Cleaner

# YXJPP 1.3L Digital Ultrasonic Cleaner User Manual

Model: 1.3L Digital Ultrasonic Cleaner

## 1. INTRODUCTION

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The YXJPP 1.3L Digital Ultrasonic Cleaner is a microprocessor-controlled device designed for effective and gentle cleaning of various items using ultrasonic sound waves. This unit generates high-frequency vibrations in a cleaning liquid, which dislodges dust, grime, and dirt from surfaces, including hard-to-reach areas. It is suitable for both commercial and personal use, offering a safe cleaning solution for delicate valuables.

Key features include a user-friendly LCD touch screen panel for operation, adjustable timing up to 60 minutes, and the ability for ultrasonic cleaning and heating to function simultaneously. The robust stainless steel construction ensures durability and resistance to corrosion.

## 2. SAFETY INSTRUCTIONS

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- Read all instructions before operating the appliance.
- Do not operate the unit without liquid in the tank. This can damage the ultrasonic transducer.
- Ensure the unit is placed on a stable, level surface away from heat sources and direct sunlight.
- Do not immerse the main unit in water or other liquids. The unit is not waterproof.
- Always unplug the unit from the power outlet before filling or emptying the tank, or when not in use.
- Keep out of reach of children.
- Certain items, such as some types of jewelry (e.g., soft gemstones like pearls, emeralds, opals, or items with loose settings), should be used with caution or avoided in ultrasonic cleaners as they may be damaged. Consult a jeweler if unsure.
- Do not use flammable, explosive, or corrosive cleaning solutions. Use only tap water or recommended ultrasonic cleaning solutions.
- Avoid touching the tank or cleaning solution during operation, especially when heating is active, as temperatures can be high.
- If the unit malfunctions or is damaged, discontinue use immediately and contact customer support.

## 3. PACKAGE CONTENTS

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Please check the package contents upon receipt to ensure all items are present and undamaged:

- 1 x YXJPP 1.3L Digital Ultrasonic Cleaner
- 1 x Cleaning Basket
- 1 x Watch Rack
- 1 x Instruction Manual (this document)
- 1 x Power Cord

## 4. PRODUCT OVERVIEW

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Familiarize yourself with the components of your ultrasonic cleaner.



**Figure 4.1:** Front view of the YXJPP 1.3L Digital Ultrasonic Cleaner, showing the stainless steel tank, blue lid, and the control panel with digital displays for time and temperature, along with control buttons.



**LCD panel**  
Touch screen operation,  
simple and durable



**Noise reduction design, bid farewell to the noisy era**  
Let your life not be disturbed



## SUS 304 STAINLESS STEEL

**SUS**  
High quality SUS  
stainless steel

**thickening  
inner tank**

**Good heat resistance  
and corrosion  
performance**



**High-power industrial shock head**  
The transducer is a very important part of ultrasonic, imported  
brand transducer. The cavitation effect is stronger and the  
cleaning effect is more significant



Figure 4.2: Detailed features of the ultrasonic cleaner. This image highlights the SUS 304 stainless steel construction, the LCD touch screen control panel, noise reduction design, and the high-power industrial-grade transducer for effective cleaning.



Figure 4.3: Multiple perspectives of the ultrasonic cleaner, illustrating its design from different angles, including the rear panel where the power cord connects.

## Components:

- **Stainless Steel Tank:** The main reservoir for the cleaning solution. Made of SUS 304 stainless steel for durability and corrosion resistance.
- **Lid:** A blue plastic lid to cover the tank during operation, reducing noise and preventing splashes.
- **Control Panel:** Features an LCD touch screen for setting time, temperature, and controlling ultrasonic and heating functions.
- **Power Input:** Located at the rear of the unit for connecting the power cord.
- **Transducer:** Built-in high-power industrial-grade transducer generates ultrasonic waves for cleaning.
- **Cleaning Basket:** A removable stainless steel basket for holding items during cleaning, preventing them from

resting directly on the tank bottom.

- **Watch Rack:** A specialized rack for holding watches, allowing them to be cleaned without immersing the entire watch mechanism.

## 5. SPECIFICATIONS

Feature	Specification
Model	1.3L Digital Ultrasonic Cleaner
Capacity	1.3 Liters
Power Supply	110-220V, 50-60Hz
Ultrasonic Power	80W
Ultrasonic Frequency	40KHz
Heating Temperature Range	Normal temperature ~ 80°C
Timer Settings	0-60 minutes (digital)
Tank Material	SUS 304 Stainless Steel
Unit Dimensions (L x W x H)	16.1 x 14.9 x 21.7 cm
Tank Dimensions (L x W x H)	15 x 13.8 x 6.5 cm
Manufacturer	YXJPP
ASIN	B0D3DYMBYB

# 1.3L

**Unit size: 16.1x14.9x21.7cm**

**Tank size: 15x13.8x6.5cm**



Figure 5.1: Dimensional diagram of the YXJPP 1.3L Digital Ultrasonic Cleaner, indicating unit and tank measurements.

## 6. SETUP

1. **Unpack the Unit:** Carefully remove the ultrasonic cleaner and all accessories from the packaging. Retain packaging for future storage or transport.
2. **Placement:** Place the unit on a firm, level, and dry surface. Ensure there is adequate ventilation around the unit and that it is not near any water sources or heat-sensitive materials.
3. **Connect Power:** Insert the power cord into the power input socket at the rear of the unit, then plug the other end into a grounded electrical outlet. Ensure the power switch is in the "OFF" position before plugging in.
4. **Fill the Tank:** Open the lid and fill the stainless steel tank with tap water. For enhanced cleaning, a small amount of non-foaming, non-corrosive cleaning solution or detergent can be added. Do not exceed the maximum fill line (if

indicated) or fill less than the minimum. Ensure the items to be cleaned will be fully submerged.

## 7. OPERATION

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1. **Prepare Items:** Place the items to be cleaned into the cleaning basket. For delicate items or watches, use the provided watch rack. Ensure items are not touching each other or the bottom of the tank directly.
2. **Place Basket:** Carefully lower the cleaning basket with items into the filled tank. Ensure items are fully submerged in the cleaning solution.
3. **Close Lid:** Close the lid to reduce noise and prevent splashes during operation.
4. **Power On:** Press the "On/Off" button on the control panel to power on the unit. The LCD display will illuminate.
5. **Set Cleaning Time:** Use the "Min" and "Sec" buttons on the control panel to set the desired cleaning duration. The timer can be set from 0 to 60 minutes. A typical cleaning cycle is 3-5 minutes.
6. **Set Temperature (Optional):** If heating is desired, use the "Set °C" buttons to adjust the target temperature. The unit can heat up to 80°C. Heating can improve cleaning effectiveness for some items.
7. **Start Cleaning:** Press the "Start/Pause" button to begin the ultrasonic cleaning process. The unit will start generating ultrasonic waves, and if heating is enabled, it will begin warming the solution.
8. **Monitor Progress:** The display will show the remaining cleaning time and the actual temperature.
9. **Pause/Stop:** You can pause the cleaning cycle at any time by pressing "Start/Pause" again. To stop the cycle completely, press the "On/Off" button.
10. **After Cleaning:** Once the cycle is complete, the unit will stop automatically. Carefully open the lid, lift the cleaning basket, and remove the cleaned items. Rinse items under clean water and dry them thoroughly.
11. **Drain Tank:** After use, unplug the unit and drain the dirty water from the tank. Refer to the Maintenance section for proper cleaning of the unit.

### Applications:

The YXJPP 1.3L Digital Ultrasonic Cleaner is versatile and can be used for a wide range of items. Examples include:

- **Jewelry:** Rings, necklaces, earrings, bracelets (avoid soft stones or loose settings).
- **Eyeglasses:** Spectacles, sunglasses (avoid frames with loose parts or coatings that may be damaged).
- **Watches:** Waterproof watch bands and cases (use watch rack, do not immerse non-waterproof watches).
- **Dental Tools:** Dentures, retainers, dental instruments.
- **Small Metal Parts:** Gears, valves, small engine components, circuit boards.
- **Shaving Heads:** Electric shaver heads.
- **Lab Tools:** Test tubes, beakers, small instruments.

# Before

# After



Figure 7.1: Visual comparison of items before and after ultrasonic cleaning, demonstrating effectiveness on eyeglasses, a shaver head, and a watch band.

## Widely Used



Figure 7.2: Examples of diverse items suitable for cleaning with the YXJPP 1.3L Digital Ultrasonic Cleaner, showcasing its wide range of applications.

## 8. MAINTENANCE

1. **Empty and Rinse Tank:** After each use, especially if using cleaning solutions, unplug the unit and carefully pour out the dirty water. Rinse the stainless steel tank with clean water to remove any residue.
2. **Wipe Exterior:** Use a soft, damp cloth to wipe the exterior of the unit. Do not use abrasive cleaners or immerse the unit in water.
3. **Dry Thoroughly:** Ensure the tank and exterior are completely dry before storing the unit.
4. **Storage:** Store the ultrasonic cleaner in a cool, dry place, away from direct sunlight and out of reach of children.
5. **Avoid Harsh Chemicals:** Do not use strong acids, alkalis, or other corrosive chemicals in the tank, as they can damage the stainless steel.

## 9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	No power supply; Power cord not properly connected; Unit malfunction.	Check if the power cord is securely plugged into both the unit and a working electrical outlet. Try a different outlet. If still no power, contact customer support.
Ultrasonic function not working (no buzzing sound or vibration).	Insufficient water level; Timer not set or expired; Unit malfunction.	Ensure the tank is filled to an appropriate level. Check if the timer is set and the "Start" button has been pressed. If the issue persists, contact customer support.
Poor cleaning results.	Incorrect cleaning time; Insufficient water temperature; Items too dirty or too many items; Wrong cleaning solution.	Increase cleaning time. Consider using the heating function. Add a small amount of appropriate cleaning solution. Clean fewer items at a time. Ensure items are fully submerged.
Water not heating.	Heating function not activated; Heating element malfunction.	Ensure the temperature is set and the heating function is active on the control panel. Allow sufficient time for the water to heat up. If it still doesn't heat, contact customer support.

## 10. WARRANTY AND SUPPORT

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For warranty information or technical support, please refer to the documentation provided at the time of purchase or contact your retailer. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: YXJPP

ASIN: B0D3DYMBYB

