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> Aotuda 45kHz Ultrasonic Retainer Cleaner Machine (Model UC122) - Instruction Manual

Aotuda UC122

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Instruction Manual



Main product image of the Aotuda Ultrasonic Retainer Cleaner.

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Aotuda 45kHz Ultrasonic Retainer Cleaner Machine, Model UC122. This device is designed for deep cleaning of various dental appliances and small items using high-frequency ultrasonic waves and UV-C light. Please read this manual thoroughly before operation and keep it for future reference.

SAFETY INFORMATION

- **Power Connection:** Do not connect the power supply before adding water to the tank. Ensure the power connector remains dry to prolong the machine's life.
- **Power Cord:** Use only the provided DC Power Adapter. Ensure the machine is used under 110V to prevent damage.
- **Water Level:** Always fill the tank with water up to the MAX line before operation.
- **Maintenance:** To prevent mold, empty, dry, and leave the lid open between uses.
- **Unsuitable Items:** Do not clean non-waterproof watches, glasses with pre-existing scratches or UV coating,

jewelry containing loose or porous stones, or items with inferior coating/finishing.

PACKAGE CONTENTS

Your Aotuda Ultrasonic Retainer Cleaner package includes:

- 1 x Aotuda 45kHz Ultrasonic Retainer Cleaner Machine (Model UC122)
- 1 x DC Power Adapter
- 1 x User Manual (this document)
- 1 x Tweezers
- 1 x Mesh Basket

Note: Cleaning solution or tablets are not included.

Your Own Dental Assistant

Suitable for most dental appliances



Technical Details:

45 kHz high-frequency ultrasound

Weight: 560g

Dimensions: 120x120x104mm

Tank Volume: 200ml

Tank material: Stainless Steel

Power Supply: AC 100–240V, 50/60Hz



104mm

120mm

The cleaner comes with a power adapter, tweezers, and a mesh basket for convenience.

PRODUCT OVERVIEW AND FEATURES

Ultrasonic Retainer Cleaner Machine

Gentle 360° clean for all dental appliances, simple operation for deep and efficient cleaning experience



Ultrasonic & Pulse Vibration: The device utilizes 45kHz ultrasonic waves to generate millions of micro-bubbles, penetrating deep into crevices to remove stubborn plaque and residue. This provides a 360° clean.

Second Press
10 minutes/600s
pulse cleaning with U-V light

Third Press
10minutes/600s
ultrasonic cleaning only

First Press
5minutes/300s
ultrasonic cleaning with U-V light

Fourth Press
10minutes/600s
U-V clean only

Aligners Dentures Retainers Mouthguards Jewelry

UV-C Double Cleaning: Equipped with 4 LED UV-C lights (254nm wavelength) to effectively kill 99.99% of harmful bacteria, removing odors and restoring dental appliances to a crystal-clear appearance.

- **4 Cleaning Modes:** Offers tailored cleaning options with digital timer display (5 Min/10 Min).
- **Enhanced Cleaning:** When used with cleaning tablets (not included), the ultrasonic action energizes the solution for superior results.
- **Quiet Operation:** Operates quietly under 45dB for discreet daily use.
- **Durable & Compact:** Constructed from ABS plastic and insulated SUS 304 stainless steel. Features a 200ml capacity in a compact design (4.72*4.72*4.21 inches, 0.73 lb), making it portable for on-the-go use.
- **Versatile Use:** Suitable for dental appliances (retainers, aligners, dentures, mouth guards), toothbrushes, pacifiers, and various jewelry items (necklaces, bracelets, rings, watch bands), coins, badges, and watch parts.

 GENERAL CLEAN



Yellowing



Smelly odor



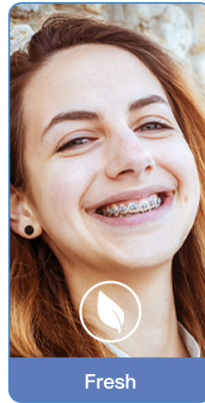
Brushing damage



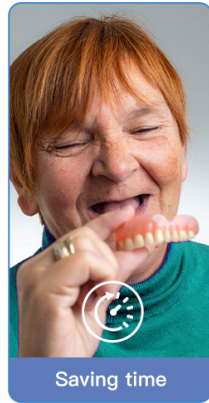
Braces Complete



White



Fresh



Saving time

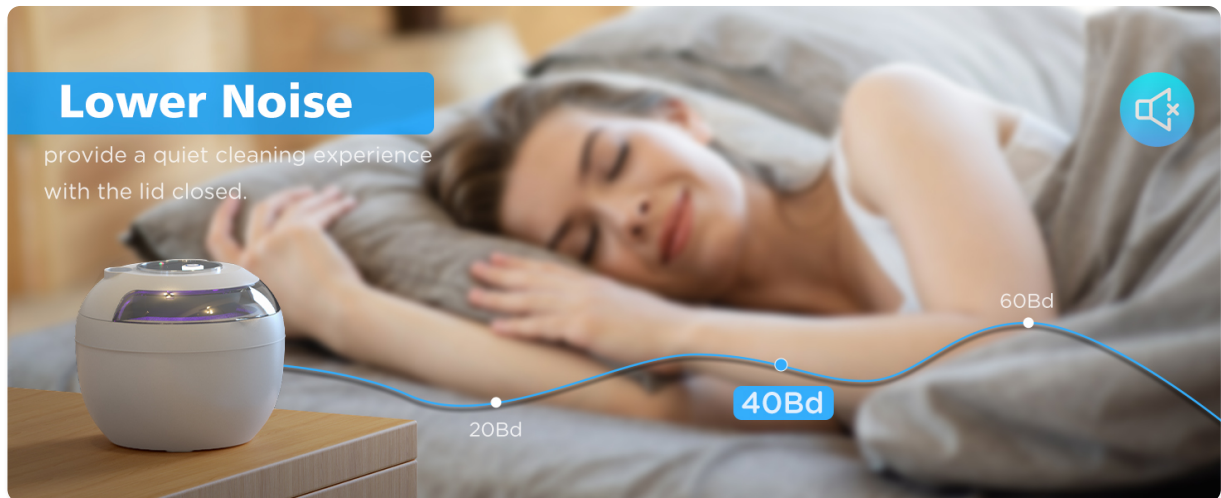


Dentist Recommended Professional Aotuda Retainer Cleaner

Portable & Durable Design: The cleaner features a 304 stainless steel tank, premium ABS plastic housing, a visual window, power button, display screen, and 4 UV LED lights. Its compact size makes it ideal for travel.

Lower Noise

provide a quiet cleaning experience with the lid closed.



45kHz Ultrasonic Cleaning: High-frequency vibration penetrates deep into crevices and gaps, effectively removing particles and dirt from aligners, dentures, mouthguards, and rings.

Mini Size



1.1 lb



1.38lb

Portable Design

Lower Noise Operation: Designed to provide a quiet cleaning experience, operating at less than 45dB.

SETUP

- 1. Place the Cleaner:** Position the Aotuda Ultrasonic Retainer Cleaner on a stable, flat surface near a power outlet.
- 2. Open the Lid:** Gently open the lid of the cleaner.
- 3. Add Water:** Fill the stainless steel tank with tap water up to the "MAX" line indicated inside the tank. You

may add a cleaning solution or tablet for enhanced results, especially for items that have not been cleaned before.

4. **Place Items:** Carefully place your dental appliance (retainer, aligner, denture, mouth guard) or jewelry into the water. Use the provided tweezers if necessary. Ensure items are fully submerged.
5. **Close the Lid:** Close the lid securely.
6. **Connect Power:** Plug the DC Power Adapter into the cleaner's power port and then into a 110V power outlet. The digital display will illuminate.



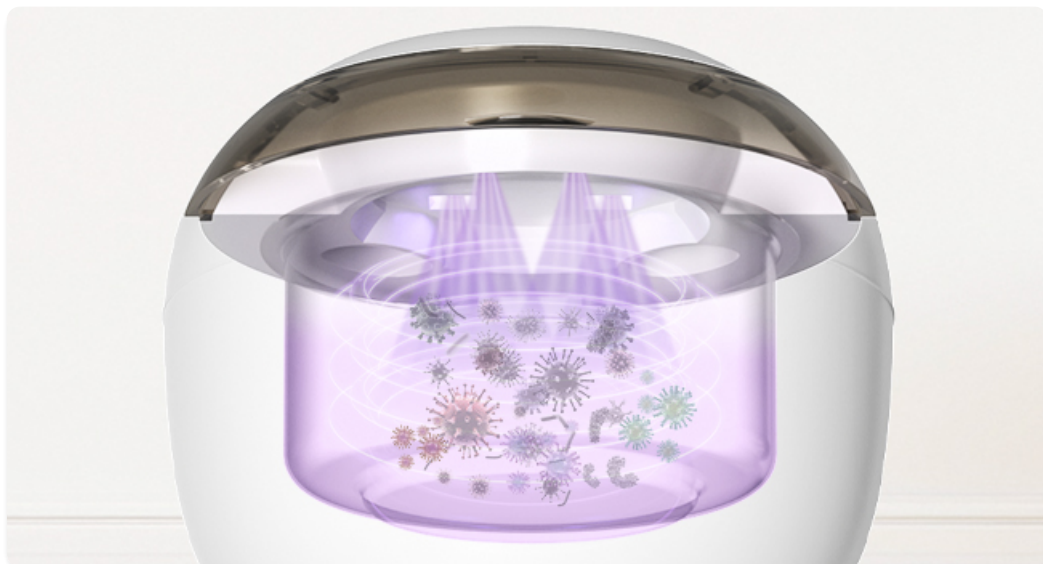
How to Use: Visual guide for adding water and items, plugging in, choosing a cleaning mode, and removing items.

OPERATING INSTRUCTIONS

The Aotuda Ultrasonic Retainer Cleaner features a single power button that also functions as a mode selector. Press the button to cycle through the 4 available cleaning modes:

- **Mode 1 (Green Light):** 5 minutes ultrasonic cleaning with UV light. (Press once)
- **Mode 2 (Red Light):** 10 minutes pulse cleaning with UV light. (Press twice)
- **Mode 3 (Blue Light):** 10 minutes for only ultrasonic cleaning. (Press three times)
- **Mode 4 (All Lights On):** 10 minutes for only UV light working. (Press four times)

The digital display will show a countdown of the remaining cleaning time. Once the selected cleaning program is complete, the device will automatically enter sleep mode after 10 minutes.



One Button Control: Easily select from 4 cleaning modes with a single button press. The digital timer displays remaining time.

Your browser does not support the video tag.

Official Product Video: Demonstrates the Aotuda 45kHz Ultrasonic Retainer Cleaner Machine in operation, showcasing its cleaning capabilities and ease of use.

CLEANING AND MAINTENANCE

- **After Each Use:** After the cleaning cycle is complete, carefully remove your items using the provided tweezers.
- **Empty Water:** Pour out the used water from the tank.
- **Wipe Clean:** Wipe the inside of the stainless steel tank and the lid with a soft, dry cloth.
- **Air Dry:** Leave the lid open to allow the tank to air dry completely. This is crucial to prevent mold and maintain hygiene.
- **External Cleaning:** Wipe the exterior of the machine with a soft, damp cloth as needed. Do not submerge the unit in water.

VERSATILE USE

The Aotuda Ultrasonic Retainer Cleaner is designed to clean a wide range of items. Refer to the guidelines below for suitable and unsuitable items:

Oral Health Refresh You Every Day

CAN BE CLEANED	CAN NOT BE CLEANED
✓ Dental appliances-Retainer, Denture, Aligner, Mouth guard	✗ Non-waterproof watch
✓ Daily Supplies -Toothbrush, Pacifier	✗ Glasses with pre-existing scratches, cracks or UV coating
✓ Jewelry -Necklace, Bracelet, Ring, Watch Band	✗ Jewelry containing loose stones or soft/porous stones
✓ Others: Coins, Badges, Watch parts, etc	✗ Coating and finishing inferior of products

The infographic features a background image of a smiling family (a man, a woman, and a child) sitting on a couch. The text is overlaid on this image in a clean, modern font. The 'CAN BE CLEANED' section is highlighted in blue, while the 'CAN NOT BE CLEANED' section is in grey.

Can Be Cleaned: Dental appliances (retainers, dentures, aligners, mouth guards), daily supplies (toothbrush, pacifier), jewelry (necklace, bracelet, ring, watch band), coins, badges, watch parts. **Cannot Be Cleaned:** Non-waterproof watches, glasses with pre-existing scratches/cracks or UV coating, jewelry containing loose stones or soft/porous stones, items with inferior coating/finishing.

TROUBLESHOOTING

If you encounter any issues with your Aotuda Ultrasonic Retainer Cleaner, please refer to the following common solutions:

- **Device Not Turning On:**
 - Ensure the power adapter is securely plugged into both the device and a working 110V power outlet.
 - Check if the power outlet is functional by plugging in another device.
- **No Ultrasonic Action/Bubbles:**
 - Verify that the water level is between the MIN and MAX lines.
 - Ensure the correct cleaning mode (ultrasonic or pulse cleaning) has been selected.
- **Items Not Cleaning Effectively:**

- Ensure items are fully submerged in water.
- For heavily soiled items, consider using a specialized cleaning solution or tablet in conjunction with the ultrasonic cleaner.
- Select a longer cleaning mode (e.g., 10 minutes).

- **Unusual Noise:**

- Ensure the device is placed on a flat, stable surface.
- Verify that the lid is closed properly.

If the problem persists, please contact customer support for assistance.

SPECIFICATIONS

Product Dimensions	4.7 x 4.7 x 4 inches
Weight	1.21 Pounds (0.55 kg)
Item Model Number	UC122
UPC	755457586903
Ultrasonic Frequency	45kHz
Tank Volume	200ml
Tank Material	SUS 304 Stainless Steel
Housing Material	ABS Plastic
UV Light Wavelength	254nm
Noise Level	Under 45dB
Power Supply	DC Power Adapter (110V input)

Portable & Durable

Food grade material



Product Dimensions: The compact size of the cleaner is illustrated with key measurements.

WARRANTY AND SUPPORT

Aotuda offers a **1-year upkeep service** and a **30-day hassle-free return/exchange policy** for your Ultrasonic Retainer Cleaner. If you encounter any problems or concerns, please contact our customer service team. We are available 24 hours a day to assist you.

For support, please refer to the contact information provided with your product or visit the official Aotuda website.