

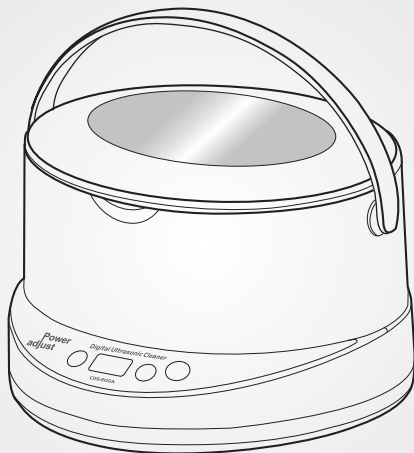
## SPECIFICATION

<b>NAME MODEL:</b>	Digital Ultrasonic Cleaner
<b>ITEM NO.:</b>	CDS-200A
<b>TIMER SETTINGS:</b>	└180s → 280s → 380s → 480s → 90s┘
<b>RATING VOLTAGE &amp; FREQUENCY</b>	AC220-240V~ 50Hz
<b>CONSUMPTION POWER (MAX)</b>	AC220-240V~ 50W
<b>ULTRASONIC FREQUENCY</b>	42000Hz ( 42 KHz )
<b>MATERIAL OF TANK</b>	Stainless steel SUS304
<b>DIMENSIONS ( L x W x H ):</b>	200 x 195 x 150 mm
<b>TANK CAPACITY :</b>	750 ml ( MAX- : 600 ml )
<b>POWER CORD LENGTH (About):</b>	1.6 m
<b>NET WEIGHT (N.W.):</b>	1.25 KGS
<b>GROSS WEIGHT (G.W.):</b>	1.66 KGS

# Digital Ultrasonic cleaner

CDS-200A

(Detachable Tank)



## USER GUIDE

### FEATURES:

- **Detachable stainless steel Tank**  
More convenient to do the pouring and wiping
- **Ultrasonic Frequency: 42,000Hz**  
To make item cleaning more easy and safe only by using tap water
- **Digital program, 5 working cycles and Ultrasonic wave energy is adjust, choose freely**

- **Read All Instructions Before Using**
- **Keep This Manual**

## **INTRODUCTION**

Thank you for buying this ultrasonic cleaner.

Ultrasonic cleaning is a unique phenomenon, Cleaning items with tap water, Millions of tiny bubbles are created when ultrasonic sound is passed through liquid. These tiny bubbles combined with a huge pressure that created incredible cleaning results.

## **READ THE USER GUIDE**

The ultrasonic cleaners are very easy to use, although to get the best from your new purchase, we recommend you read this User Guide before getting down to any cleaning.

It also contains important safety information as well as practical hints.

## **INDEX**

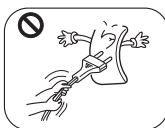
- 1 Safety Instructions
- 2 What can not be cleaned
- 3 Dirt elimination processes
- 4 Suggested Applications
- 5 Features and Accessories
- 6 Two different ways of cleaning
- 7 Usage of optional accessories
- 8 Operation Instructions
- 9 Maintenance and Storage
- 10 Specification

# IMPORTANT SAFEGUARDS

When using electrical products, especially when children are present, basic safety precautions should always be followed, including the following.

## SAFETY INSTRUCTIONS

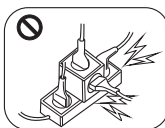
**⊘ WARNING**-To reduce the risk of burn, fire or injury to persons



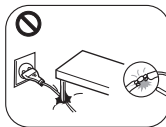
The unit should never be left unattended when plugged in.



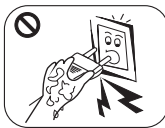
The appliance is not a toy. Do not let the children play it.



Use the unit in right way as per its user guide. Do not use attachment not recommended by the manufacture.



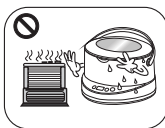
If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



To protect against a fire, electric shock or personal injury, do not immerse cord, electric plugs or kettle in water or other liquids.



Keep the unit unplugged before filling. Do not fill water exceed "MAX" line of tank.



Keep the cord away from heated surfaces.



Do not fill the tank with abrasive or corrosive chemicals.

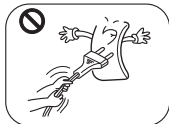


Unplug this product before filling. Fill with water only unless otherwise specified by manufacturer. Do not overfill.

This appliance has a polarized plug (one blade is wider than the other). As a safety feature, this plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician. Do not attempt to defeat this safety feature.

## SAFETY INSTRUCTIONS

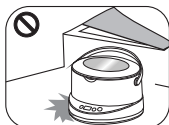
**!** **DANGER**- To reduce the risk of electrocution:



Always unplug this product immediately after using.



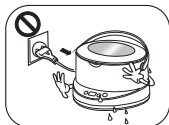
Do not use while bathing.



Do not place or store product where it can fall or be pulled into a tub or sink.



Appliance must not be immersed.



Do not reach for a product that has fallen into water when plug in. Unplug immediately. The product is for household use only. Do not use outdoors.



The product may be off or can't be switched off when it is subjected to electromagnetic interference like Fast Transients or Surge voltage, but it can recover after being re-plugged in the socket, and then just follow the instruction described in this manual to set the function again for normal operation.



## WHAT CAN NOT BE CLEANED!

### BIJOUTERIE

Hawksbill, Pearl, Emerald, Ivory, Coral, Agate.

Maybe the less rigidity of hawksbill or coral will be scrubbed, color changed or brightness lost caused by the rubbing of one object or surface against another.

### PRECIOUS METAL

Soldering metal, Electro Plating metal, Bindings

Be broken off will be happened to the unsolid point of the soldering and binding items by ultrasonic cleaning. The cracked electro plating will be enlarged after cleaning

### WATCH

Watch, Pocket watch  
(Except the waterproof watch under 30m or more)

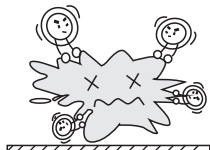
The water will be in the watch movement of little waterproof function for the ultrasonic strong osmosis occasionally.

### OTHERS

Wood, Glass, Contact lens, Ceramic, Camera colored filter

Maybe rift of ceramic, wooden items, or laminated glasses will be enlarged by ultrasonic cleaning. (It won't be happened for the item in perfect condition).

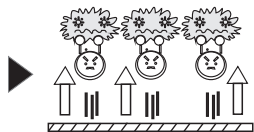
## DIRT ELIMINATION PROCESSES



Many tiny bubbles are created when ultrasonic sound is passed through liquid.

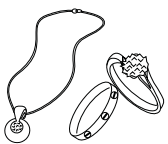
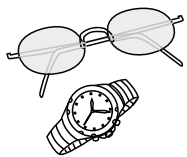
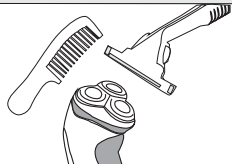

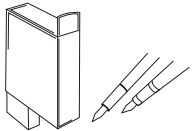
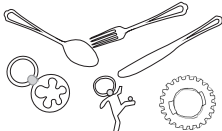


Bubbles are imploded constantly under the ultrasonic.

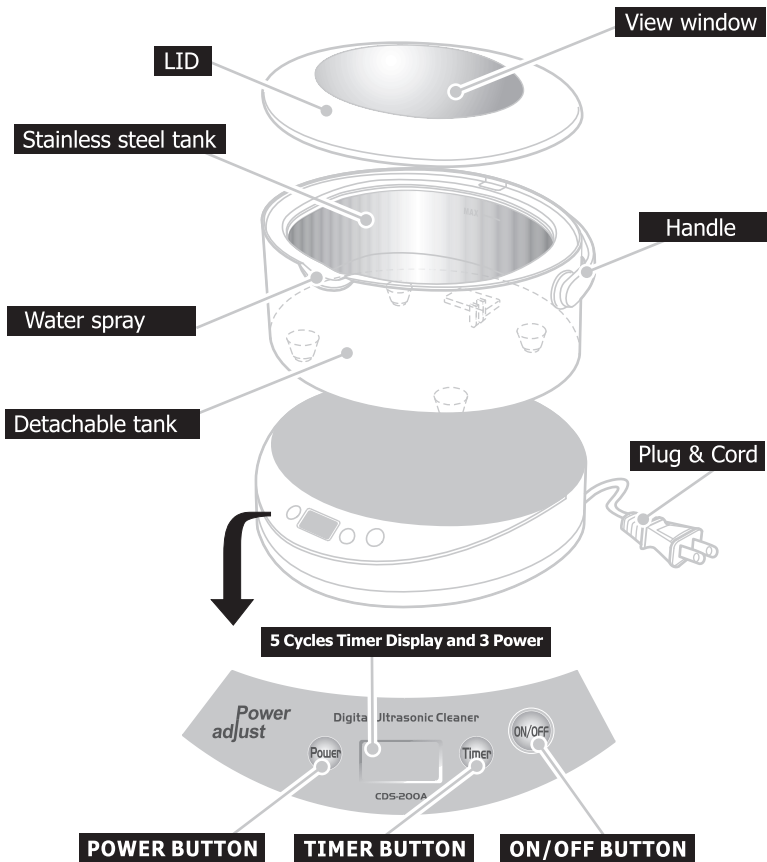


The dirt splits into tiny particles thus separating from the item.

## SUGGESTED APPLICATIONS

Jewellery	Glasses and Timepieces	Commodities
		
Necklaces, Rings, Earrings, Bracelets etc.	Glasses, Sun glasses, Watch chains, Water proof watches etc.	Electric shaver heads, Razor blades, Dentures, combs, Toothbrushes etc.
CD-Rack	Metal Articles	Metal dishware
		
CDS VCDS DVDS etc.	Pen-heads, Printer-heads, Seals etc.	Metal dishware, Watch parts, Ancient coins, Badges, Valves, Machine nozzles etc.

## FEATURES AND ACCESSORIES



### Accessories:



CD Rack



Watch Stand



Basket sheet



## TWO DIFFERENT WAYS OF CLEANING

### GENERAL CLEANING

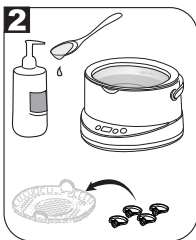
#### Only using normal tap water



Put items into tank directly or place the items on basket then put them into tank together, then fill with tap water. Ensure the items are submerged in the water but do not exceed the "MAX-" mark. Press "Power" button to choose the strongest power "03", and press "Timer" button to choose "380" or "480". Then press the "On/Off" button to start.

**Note:** during cleaning, the dirt on the item will come out. It looks like "smoking", meanwhile the clean water becomes dirty, until "smoking" disappeared, the item is clean.

### PUT A LITTLE LIQUID WASH SOAP TO ENHANCED CLEANING



#### Use for cleaning the items with too much oiled dirt.

Put items into tank directly or place the items on basket then put them into tank together and fill with tap water, ensure the water cover the items but do not exceed the "MAX-" mark.

For heavy soiled items, it is often helpful to add approx. 1 teaspoon of liquid soap (about 4ml). Press "Power" button to choose the strongest power "03" and press "Timer" button to choose → 180s → 280s → 380s → 480s → 90s → (normally use 380s or 480s), then press "On/Off" button, the unit start to work.



If using liquid soap, rinse the item with tap water when complete or clean ultrasonically without soap the second time for 90s.

**Note:** The liquid soap is neutral liquid and very normal for home dishware using, it is "soft" chemical liquid. Using a little in ultrasonic cleaning, can soft the oiled dirt, to make the oiled dirt can't condense again on the surface of the item, to enhance result of cleaning.

## USAGE OF OPTIONAL ACCESSORIES

### BASKET



When cleaning small item(s), place the item(s) into basket first before putting into the tank. In this way, scuffling between the items and the tank can be reduced.

**Note:** the basket is only used for cleaning small items, because it absorbs about 30% of ultrasonic energy, and reduces the cleaning effect. In this case, when using the basket, please refer to the instruction of "Enhanced Cleaning" in this manual.

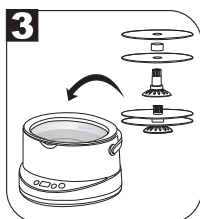
## WATCH STAND



The permeability of ultrasonic is very strong, do not put watch (of water proofing capability less than 30 metres) into the tank directly, because water may penetrate into the watch and cause severe damages. It is recommended to use the watch stand for watch band cleaning by simply immersing the watch band into the water while keeping the watch case on top of water.

**Note:** Similar to Basket, the Watch Stand also absorbs ultrasonic energy. When the watch stand is used, use "Enhanced Cleaning" for effective cleaning result.

## CD RACK



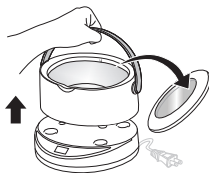
Put the disk (CDs, VCDs, DVDs) onto the disk holder as shown in the picture (two disks can be cleaned at one time).

Then put the holder into cleaning tank which is filled with normal water. Caution:

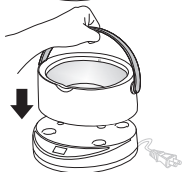
1. Don't use warm or hot water, as the print mark on the surface is easily got rid of.
2. The disk can be cleaned whenever it is dirty, but please don't clean the disk for more than two times continuously, otherwise the print mark of the disk is easily got rid of. Generally, 90s for once clean is enough.
3. Ultrasonic can only clean the dirty on the surface of the disk, please note that the disk which is scratched can't be resumed.

**Note:** When using cloth to clean the dirty disk, it may scratch its surface. While using ultrasonic technology can throw off the dirt effectively (within 2 minutes), and the disk can be protected from scratching.

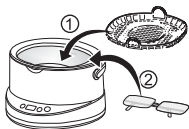
## OPERATION INSTRUCTIONS



- 1 Open the lid to make sure the stainless steel tank is clean before using. If not, Pull the tank out to clean as shown in the picture.



- 3 After cleaning, please push the detachable tank back, As picture shows.



- 4** Put the item on the basket sheet to protect the friction between the glasses and stainless steel tank.



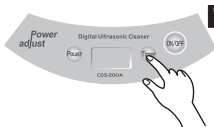
- 5** Fill the stainless steel tank with plain water. Ensure the "MAX" marking is not exceeded when immersing the item.



The Unit would be damaged if it works without water.

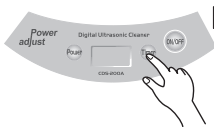


- 6** Plug the unit in and close the lid.



- 7** When the unit is electrified, 180s is displayed automatically, it is the most common used working cycle. Press "Timer" button to choose working cycle freely Every time press "Timer" button, these optional working cycles from.

→ 180s → 280s → 380s → 480s → 90s ←

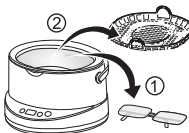


- 8** If you press "Power" button, "02" is displayed automatically, it is the most common used power. There are three optional power for choosing → 02 → 03 → 01 ← "03" is the strongest power and "01" is the weakest power. You can choose power freely every time press "Power" button.

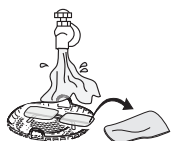


- 9** Press "On/Off" button to start cleaning and the blue indication light is on. The time left will be displayed on the screen.

During cleaning, you can hear the "ZIZI" voice, it means the unit is working normally.



- 10** When cleaning is finished, unplug the unit and open the lid to take the item out as well as the basket sheet.



- 11** Rinse the basket sheet and your glasses with tap water after cleaning. Wipe dry with a clean dry cloth.

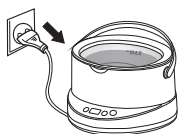


- 12** Pull out the tank, clean it with tap water and wipe dry with a clean dry cloth.



- 13** Finally, put the detachable tank back. Wipe dry for next use.

## MAINTENANCE AND STORAGE



- 1** After use, unplug and pour away the water in the stainless steel tank.



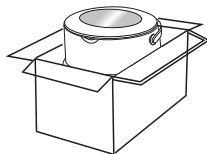
Water should not remain in the tank after use.  
Remove water after each use.



- 2** If unit has been working 3 cycles, it is better to stopover 10 minutes, in order to prolong the using life.



- 3** Wipe the unit with a clean dry cloth. Do not use chemicals to clean your unit.



- 4** The unit should be stored in a cool dry place.