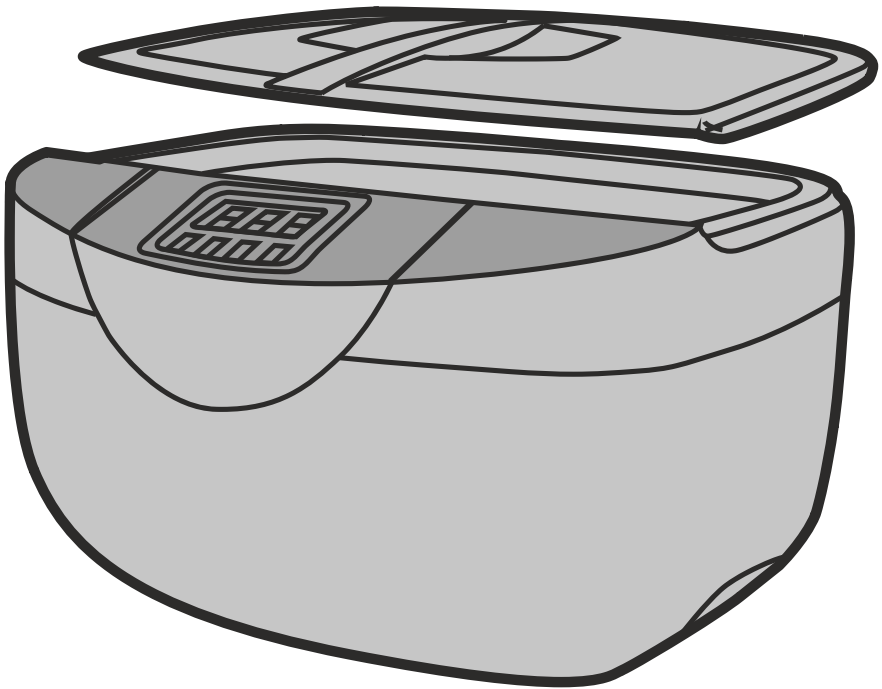


James
Products Limited

ULTRA
8050D-H

DIGITAL ULTRASONIC CLEANERS



USER GUIDE

James
Products Limited

Introduction

Thank you for buying this James Products ultrasonic cleaner.

Ultrasonic cleaning is a unique phenomenon. Millions of tiny bubbles are created when ultrasonic sound is passed through liquid. It is these tiny bubbles that create incredible cleaning results.

Please read this user guide

Our Ultra range of ultrasonic cleaners are very easy to use, although to get the best from your new purchase, we recommend that you read this User Guide before cleaning. It also contains important safety information and practical hints.

Unpacking

Remove your Ultra 8050DH cleaner from its packaging. Please ensure that you have the specified accessories and the correct mains plug fitted for your supply. Retain the packing carton for storage of your unit, and also in the unlikely event that the unit needs to be returned for service or repair.

Important

This unit is fitted with a 13 Amp (BS 1363) plug with a 3 Amp fuse. When replacing the fuse only a 3A ASTA approved to BS1362 type should be used. Always be sure to refit the fuse cover.

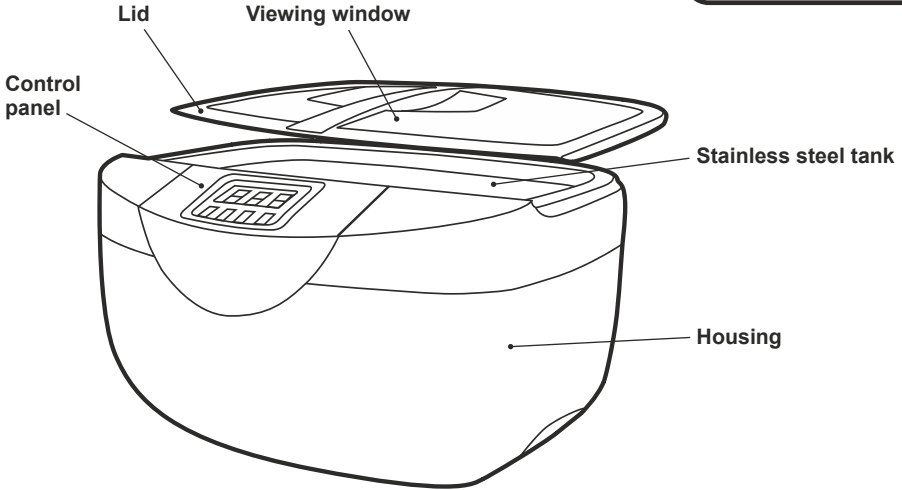
In the event that you need to change the plug then the following instructions must be followed:

- As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
 - The blue wire must be connected to the terminal marked with the letter N or coloured black.
 - The brown wire must be connected to the terminal marked with the letter L or coloured red.
 - No connection is to be made to the earth terminal of the plug.

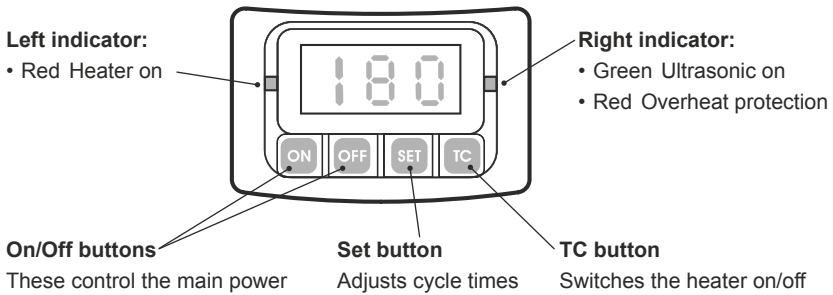
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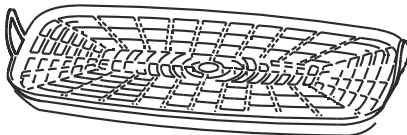
Features and accessories



Control panel overview



Included accessories



Tray



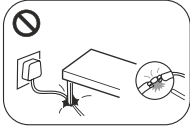
Power cable

Important safety instructions

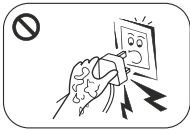
Please read this before using your product



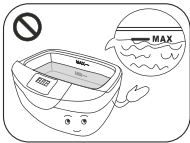
Do not attempt to remove any screws or panels.
There are no user serviceable parts inside.



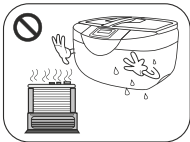
Do not operate this unit if the cord or plug is damaged.
Please refer to a service centre for examination and repair.



To avoid electric shock never touch the cord or socket with wet hands.



Never operate the unit when empty - damage may occur.
Keep the unit unplugged before filling.
Do not use boiling water as damage to the unit may occur.
Do not exceed the "MAX" marking on the inside of the tank.
Always unplug the unit immediately after use and before emptying the liquid.



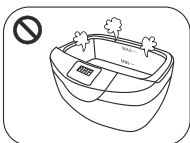
Do not operate the unit next to heat sources such as radiators.
Operate on a dry level surface.



To avoid electric shock do not immerse the unit into water or other liquid. The unit should not be exposed to dripping or splashing and no objects filled with liquids should be placed on top of it. When emptying, always pour liquid away via the back, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.



Do not fill the tank with abrasives or corrosive chemicals (such as solvents, acids or alcohol).
Repeated cleaning cycles will enhance the cleaning effect.



Never leave the unit unattended when the heater is switched on.
Always unplug and clean the unit when left overnight.

The JPL three-level clean plan

Lightly stained items

Use warm water and a few drops of washing up liquid

1

General staining or light tarnishing

Use warm water and Sea Clean concentrate

2

Heavily stained or tarnished metals

Use warm water with Metal Gleam concentrate

3

Use the appropriate level for your items:



Jewellery

Necklaces, rings, bracelets etc.

1 2 3



Porous stones such as pearls etc. should not be immersed. Use the optional watch stand to hold the stones out of the water. If in doubt please refer to our website: www.jpl.uk.com for further details.



Watches and glasses / sunglasses

Waterproof wristwatches, watch chains, glasses, sunglasses etc.

1 2 3



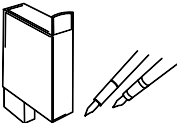
Watches should be fully waterproof (30m or more). For watches that are not waterproof, the optional Watch Stand can be used. The coating on some spectacle lenses can exhibit hairline cracking during ultrasonic cleaning. If in doubt check with your optician before cleaning such items.



Toiletry items

Electric toothbrush heads, electric shaver heads, razor blades, combs, toothbrushes, dentures etc. Ensure that all items are waterproof and non-porous.

1 2 3



Office equipment

Printer heads, printer cartridges, fountain pen nibs, wax or rubber stamps etc.

1 2 3



Tableware / cutlery

Wood or bone handled tableware / cutlery should not be immersed. Only all-metal or plastic tableware should be cleaned.

1 2 3



Metal items (some metals need enhanced cleaning - see page 9)

Bearings, gears, valves, machine nozzles, small metal parts, old coins, metal badges, gun cartridges, carburettors, etc. For best results use Sea Clean or Metal Gleam concentrates as directed.

1 2 3



Any unfirm or inlaid item may become loose. Items that are easy to be discoloured are not recommended for ultrasonic cleaning. eg: textiles, leather products, woodware etc.

DO NOT put any objects that are porous (e.g. tortoiseshell or hawkbill spectacle frames) or not waterproof (e.g. mobile phones) in the tank for cleaning as damage may occur.

Choose the cleaning power you need

sea clean CONCENTRATE

- Natural active ingredients that work with your ultrasonic cleaner to remove general staining and light tarnishing from most items.
- Unique formula containing seaweed, coconut oils and other natural fruit extracts.
- Fully biodegradable.
- Available in 250ml, 500ml plus 1, 5 and 25 litre bottles.

metal gleam CONCENTRATE

- Advanced formula to deliver intensive ultrasonic cleaning results.
- Ideally suited for use with heavily stained or tarnished metals.
- Requires disposal at your local recycling centre.
- Available in 250ml, 500ml plus 1, 5 and 25 litre bottles.

Important tips for getting better results

- To start, fill the tank with warm tap water (ideally 45 to 50 degrees C). Never boiling, but bearable to put your hand into. You will always get better cleaning results with warm fluid and it will help the unit to achieve maximum cleaning potential more quickly.
- Some items need added detergent for cleaning. We recommend 3 to 4 drops of regular washing up liquid when cleaning objects such as spectacles, toiletry items, office items, etc.
- Do not overload or stack items. Remember whatever the water touches, it will clean.
- When cleaning spectacles, ensure that the lenses are free from any objects and are facing upwards. As mentioned opposite, the coating on some spectacle lenses can exhibit hairline cracking during ultrasonic cleaning. If in doubt, check with your optician or the manufacturer before cleaning such items.
- Some spectacles are not suitable for ultrasonic cleaning because the frames are made from porous materials. If you have any doubts, consult either the supplier of the spectacles or JPL before placing them in the ultrasonic cleaner.
- Delicate items Do not place delicate items directly on the stainless steel tank of the cleaner as the process of agitation may cause minor scratching. For such items, always place them on the supplied plastic tray before immersing in the tank. Do not place items too close together in order to prevent scratching through contact with other items. Unavoidably, the tray absorbs some of the ultrasonic energy which may slightly reduce the effectiveness of the cleaning action. To counter this you could try following the tips mentioned on page 9 for enhanced cleaning.

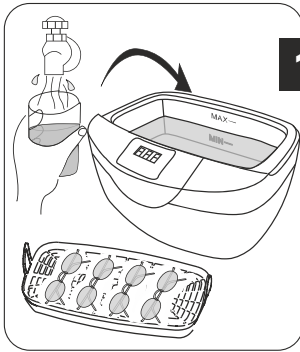
For more advice please refer to our website: www.jpl.uk.com

Operating instructions

How do I use the Ultra 8050D-H cleaner?



To avoid causing permanent damage: Never operate the unit without water in the cleaning tank. Never use boiling water.

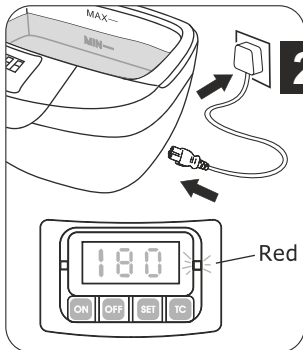


Open the lid. Place the items to be cleaned on the tray (supplied) and place the tray in the tank.



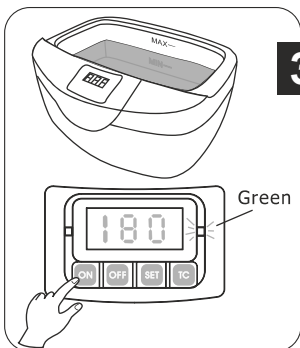
To avoid the possibility of scratches from friction during operation, do not overlap items. Ensure items are spaced apart.

Add warm tap water (ideally 45 to 50°C - this helps the unit achieve maximum cleaning potential more quickly) in the stainless steel tank, ensuring that the items and tray are covered but the water level is between the “MIN” and “MAX” marking. Do not exceed the “MAX” marking on the inside of the tank.



Close the lid and ensure your hands are dry. Plug the supplied mains cable into the unit and then into the nearest mains outlet.

When the unit is plugged in, the display will show the **180** second (3 minute) setting. If a different time is required, press the SET button to cycle the time through the five settings 180s 280s 380s - 480s - 90s. Move to the next step when the display shows your required time.

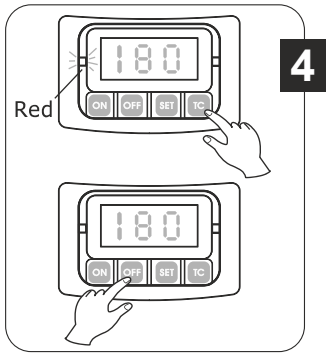


Press the ON button to start cleaning. The green operation indicator will illuminate while the unit is in operation. The built in timer will count down the time automatically.

When the timer counts down to **000** the unit will automatically stop. If required, you can press the OFF button at any time to stop or pause the cleaning process. Press the ON button again to resume cleaning and continue the countdown. When cleaning has finished, you can press the ON button again to repeat the process.

Note: During operation the unit will “buzz”, this is normal.

Operating instructions (continued)



4

Using the HEATER function.

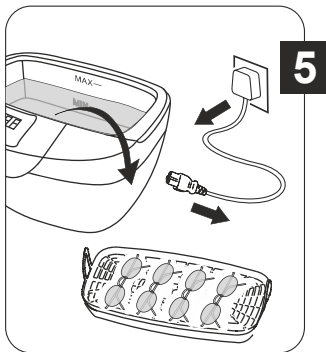
Press the “TC” button to start the built-in heater. The left-side red indicator on the control panel will illuminate. The fluid will heat to a maximum of 65 degrees C.

To start the cleaning process press the ON button (as described in point 3).

If required, you can press the OFF button at any time to stop or pause the cleaning process. Press the ON button again to resume cleaning and continue the countdown. You can press the SET button at any time to reset the program.



This Ultrasonic Cleaner has built in circuit protection to avoid overheating. If the overheat protection activates then the right-side red indicator will illuminate and the unit will cease to operate. After approximately 15 minutes, after allowing the unit cool down, press the ON button to resume operation.



5

When cleaning is finished, unplug the mains cable from the mains outlet and from the unit. Then open the lid to remove the item(s).

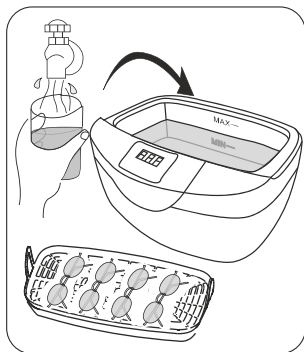
Pour away the water via the back, avoiding the ventilation slots / power inlet on the sides and control panel on the front face. Wipe the stainless steel tank with a clean dry cloth.

Different ways of cleaning



To avoid causing permanent damage: Never operate the unit without water in the cleaning tank. Never use boiling water.

Note: Care should always be taken to ensure when putting multiple items in the cleaner that they are not rubbing against each other, as this can cause scratches or damage to the items.



General cleaning

Use plain warm tap water (ideally 45 to 50°C) with a few drops of washing up liquid. Place the item to be cleaned on the tray and place in the unit. Pour in the water and ensure the water level is between the “MIN” and “MAX” marking. Plug the unit in. The default setting of 180s is normally sufficient for general cleaning.



Enhanced cleaning

If the item is very dirty or has oil or grease smears then you can achieve amazing results by using either our Sea Clean or Metal Gleam concentrates (see page 5 for details). You can also use the in-built heater to raise the warm solution to achieve optimum temperature throughout the cleaning cycle.

Place the item to be cleaned on the tray and place in the unit. Pour in the water and ensure the water level is between the “MIN” and “MAX” marking. Plug the unit in.

Press the “TC” button and the heater will warm the water to a maximum of 65 degrees C.

Using the time setting of 280s 480s is recommended for enhanced cleaning.

A final cleaning cycle, using plain water, is recommended after using soaps or detergents in order to clean any remaining residue from the items being cleaned.

Cleaning large items

If the item is too large to fit completely in the tank, then you can use the ultrasonic cleaner with the item partly immersed with the lid open. Ensure the "MAX" marking is not exceeded when immersing the item.

It is perfectly safe to use the cleaner with the lid off, although we recommend you leave the lid on where possible as it will help to keep the fluid warmer for longer.

Warm fluid = Better cleaning, every time.

Important notes

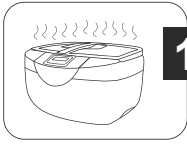
- Care should be taken when using different types of cleaning soaps or detergents. Always ensure they are suitable for the item you are cleaning. If in doubt, please ask James Products or check www.jpl.uk.com.
- If there is any danger of scratching to an item to be cleaned, place the item on the supplied plastic tray (to separate the item from the stainless steel tank) before immersing in the tank. Unavoidably, the tray absorbs some of the ultrasonic energy, which may slightly reduce the effectiveness of the cleaning action. If the item is not at risk of damage from vibrations against the stainless steel tank, then the tray can be omitted for more efficient cleaning.
- The use of SOLVENTS or ALCOHOL in the tank or on any part of the cleaner will damage your ultrasonic cleaner and void any warranty.

Emptying the tank

- Remember to change the water between cycles as it becomes dirty.
- Always ensure the unit is unplugged when changing the water.
- Always pour liquid away via the rear channels, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.
- Any waste Metal Gleam concentrate should be disposed of via the local authority solvent disposal programme.

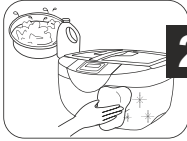
Maintenance and storage

How do I keep my cleaner in perfect condition?



1

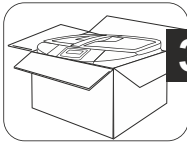
The Ultra 8050DH cleaner has circuit protection to stop overheating. Never use the product without water as damage will occur. To prolong the life of the unit, it is recommended to stop using the unit for 15 minutes after every 3 working cycles.



2

After use, ensure the unit is unplugged. Pour the water away (see note), and wipe the stainless steel tank and housing with a clean dry cloth. To avoid electric shock, DO NOT wash the exterior of the unit with water.

Note: When emptying, always pour liquid away via the rear channels, avoiding the ventilation slots / power inlet on the sides and control panel on the front face.



3

The unit should be stored in a cool dry place, away from any heat sources (radiators etc) and sources of moisture (bathrooms etc).

Ideally, the unit should be stored in its original packing for maximum safety.

Specifications

Model Name:	Ultra 8050DH
Timer Settings:	Digital with 5 time settings: 90s - 180s (default) - 280s - 380s - 480s automatic shut-off
Tank Size:	2500ml stainless steel - 2200ml (MAX) 600ml (MIN)
Ultrasonic Frequency:	42,000Hz (42 kHz)
Power Consumption:	170W Max
Power Supply:	AC 220240V 50Hz
Unit Dimensions (LxWxH):	290 x 235 x 165mm
Tank Dimensions (LxWxH):	245 x 146 x 70mm MAX
Weight (NET):	2.5kg (5.5lbs)
Mains Fuse (UK only):	3A When replacing the fuse only a 3A ASTA approved to BS1362 type should be used and be sure to refit the fuse cover.

Guarantee

Your ultrasonic cleaner has been carefully manufactured and 100% tested using high quality assured components. It is guaranteed against faulty workmanship and materials for a period of twelve months from the date of purchase. In the unlikely event that a failure should occur, the unit will be repaired or replaced (at our discretion) free of charge when returned postage paid to the address below within the guarantee period. This guarantee DOES NOT include damage or failure resulting from misuse, damage in transit or failure by the user to comply with the Do's and Don'ts (this list is not exhaustive). Your statutory rights under common law are in no way affected by this guarantee.

For service in or out of the guarantee period please return the unit postage paid to:

James Products Limited
Unit 1 Church Close Business Park
Todber, Sturminster Newton
Dorset, DT10 1JH
Tel: +44 (0)1258 820100
Fax: +44 (0)1258 820550

Our opening hours are Monday to Friday 9am till 5pm.
We are closed on bank holidays.

Returns

If your ultrasonic cleaner or any accessories need to be returned, it is essential that you call us first to obtain an RMA (Return to Manufacturer Authorisation) number. You will need to provide us a description of the problem as well as your return address. If the unit is within the guarantee period please enclose proof of purchase.

In accordance with our policy of progressive product design, James Products reserve the right to change product specifications without prior notice.

Limited warranty

Consequential and incidental damages, including without limitation, loss of property and those arising from breach of any express or implied warranty, are not the responsibility of James Products Limited and to the extent permitted by law, are excluded.

Our product range

Don't miss the rest of our high quality cleaning products:

Domestic range - compact size, low power, cost-effective operation

- **Ultra 2000** *350ml tank capacity, 30W max power*
- **Ultra 6050** *750ml tank capacity, 50W max power, digital timer, adjustable power settings*
- **Ultra 7000** *750ml tank capacity, 50W max power, digital timer*
- **Ultra 7050** *750ml tank capacity, 50W max power, cordless power base, digital timer*

Semi-professional range - larger capacities and in-built water heating.

- **Ultra 8020** *2 litre tank capacity, 160W max power, heater and ultrawave function*
- **Ultra 8050** *2.5 litre tank capacity, 170W max power, heater*
- **Ultra 9000** *5 litre tank capacity, 310W max power, heater and ultrawave function*

Professional range - larger capacity, metal cased cleaners for heavy duty use (typically used with certain solvents, alcohol and acidic solutions), heating up to 85 degrees.

- **Sonic 2200** *1.5 litre tank capacity, 50W max power, push button controls*
- **Sonic 2200M** *1.5 litre tank capacity, 50W max power, rotary controls*
- **Sonic 3000** *2.3 litre tank capacity, 100W max power, push button controls*
- **Sonic 3000M** *2.3 litre tank capacity, 100W max power, rotary controls*
- **Sonic 4500** *3.6 litre tank capacity, 100W max power, push button controls*
- **Sonic 4500M** *3.6 litre tank capacity, 100W max power, rotary controls*
- **Sonic 6000** *5.4 litre tank capacity, 200W max power, push button controls*
- **Sonic 6000M** *5.4 litre tank capacity, 200W max power, rotary controls*

Sea Clean concentrate

Unique formulation, biodegradable additive that works with your ultrasonic cleaner to remove general staining and light tarnishing from most items.

Metal Gleam concentrate

Advanced formula to deliver intensive ultrasonic cleaning results. Ideally suited for use with heavily stained or tarnished metals.

For more information, please see our website:

www.jpl.uk.com

James

Products Limited



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