

IND-Series Quick Guide

Please download the full instruction manual from the Ultrawave website

Electrical Safety instructions

The IND-Series Ultrasonic Cleaning Baths are designed to be connected to a 230VAC fully earthed electrical supply via a three-pin plug.

It can be dangerous to operate the Ultrasonic Bath without an earth connected.

The IND-Series machines are rated at up to 3000W maximum.

The mains plug (BS 1363) is fitted with a 13A fuse - **NEVER FIT A FUSE OF A DIFFERENT RATING.**

The mains switch is the disconnect device and should remain accessible while the machine is in use.

Ensure that excess mains cable is stored neatly.

General Safety Instructions

Do not place fingers, hands, or other parts of the body in the liquid in the bath when it is sonicating.

Always ensure the liquid is above the level sensor when in operation.

Do not place parts or containers directly on the bottom of the cleaning tank. Always use a basket or instrument cassette to support items to be cleaned. Not doing so may damage the bath and invalidate your warranty.

Never use toxic, flammable, acidic, caustic, or corrosive solutions in the bath.

Ensure the electrical supply is disconnected before moving/emptying.

Before cleaning, drain the bath. Clean by wiping with a clean non-abrasive cloth.

The user should familiarise themselves with the *full instruction manual* before operating the equipment. Safety may be impaired if they are not followed.

Ultrawave will not be responsible for damage or injury caused by incorrect use of the equipment.

The user should apply to Ultrawave or its agent for advice on cleaning techniques or detergents.

Installation

The following parts and accessories are included with the IND-Series ultrasonic bath:

- 1 x Basket
- 1 x Lid
- 1 x Hose tail connector
- Ultraclean detergent sample
- Wheeled stand

How to install:

Locate the IND-Series close to a drain or sink to allow easy drainage of the tank.

Screw the hose tail connector into the drain valve located on the rear of the unit.

Connect a drain hose to the hose connector and locate the other end over a drain or sink.

Fill the bath with water and the correct dose of detergent.

Connect the power lead into a suitable mains socket.

Ensure that the mains plug, and switch are easily accessible.



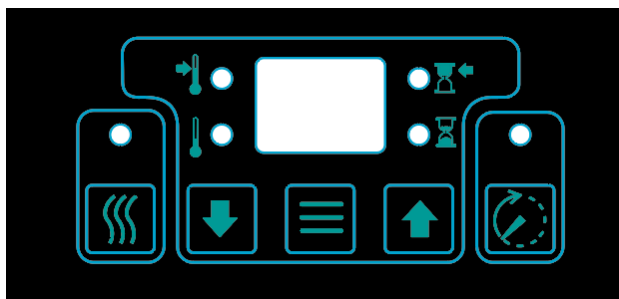
Once plugged in, switch on your IND-Series bath via the on/off switch at the rear of the unit.

The switch will then illuminate.






Your IND-Series ultrasonic bath is now ready to use.









Controls



Five buttons are provided:

	Heat	Starts and stops the heat function
	Down	Used to scroll down when programming cycle time or set temperature
	Mode	Toggles between Normal Cycle, Set Cycle Time and Set Temperature
	Up	Used to scroll up when programming cycle time or set temperature
	Cycle	Starts and stops a timed cycle

Six individual LEDs are provided:

	Heat	Illuminated when the unit is heating, flashing when the set temp is at or above the set temperature
	Temp Set	Illuminated when in temperature setting mode
	Temp Now	Illuminated to indicate that the screen is displaying the water temperature
	Time Set	Illuminated when in cycle time setting mode
	Time Now	Illuminated to indicate that the screen is displaying cycle time remaining
	Cycle	Illuminated when a cycle is running

Quick Guide

Pour cold or hand warm water into the tank so that the liquid reaches the float level sensor.

If there is insufficient fluid in the tank to activate the float level sensor, the digital control panel will display the scrolling message “LEVEL”.

Where this message displays, the unit will not operate until more fluid is poured into the tank to activate the sensor. Once this is done this message will no longer display.



Add the required dose of detergent.

Switch on the machine via the switch at the rear of the unit, just above the electrical mains lead.

Press the CYCLE key. The CYCLE light will glow, activity will commence in the liquid and the display will count down from the set time (the factory pre-set time is 10 minutes). At the end of the timed period the activity will stop, and the timer will revert to the pre-set time, ready for a repeat of the operation. To stop the sonic activity at any time, press the CYCLE key.

At the end of the cycle, remove the basket from the bath and rinse the items under clean running water.

Please refer to the *full instruction manual* for more detailed instructions.

Change the cleaning liquid at regular intervals. Your cleaning process will determine how often to change the liquid – the more soiled your items, the more often you will need to change the liquid.

REMEMBER

- Always ensure the liquid is above the level sensor when in operation.
- Do not put hot water above 50°C into the bath.
- Always use the basket.
- Never expose hands to cleaning solutions.
- Never use toxic, flammable, acidic, caustic, or corrosive chemicals or liquids not recommended by Ultrawave.
- Never breathe the fumes from strong solutions.
- Rinse the items in clean water once the cycle is complete.

Subjecting the bath to improper treatment or misuse will invalidate the warranty.

If you require assistance, please call or email Ultrawave.

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