

# USER GUIDE BOOK

## Electrolysed Water Sanitiser



**BTS-1000**

Please read this manual before using  
this device to ensure safe and correct use



Be aware of the following before using the electrolysed water sanitiser.

1. Follow all the instructions in this manual carefully.
2. Keep out of reach of children, infants and animals.
3. DON'T use in confined spaces. Always use in well ventilated areas.
4. DON'T spray directly toward people or animals and don't inhale the electrolysed water vapour.
5. Sensitive people who have respiratory diseases or allergies need to be carefull when using this device.
6. DON'T inhale or drink the electrolysed water. If you drink the electrolysed water consult a doctor immediately.
7. ONLY use electrolysed water with NO accelerator (salt) when using as a deodoriser, or disinfecting, or for cleaning your hands or feet.
8. You can spray electrolysed water onto baby toys, and to clean fruits and veggies, but after cleaning and before using, wash thoroughly with clean water and dry.
9. DON'T spray into people's eyes. If you get some in your eyes, immediately rinse with clean water and consult a doctor.
10. Wash your hands after using the electrolysed water or wear protective gloves while using it.
11. For deodorising clothing, bedding, or furniture, use in a well-ventilated place.
12. DON'T use the device near heaters or open flames.
13. DON'T disconnect the spray bottle while the device is electrolysing the water. Wait until it is finished its electrolysing cycle.
14. Take care to ensure that the terminal parts of the device are never in contact with water. If there is any moisture on them, remove the power plug and immediately gently wipe the terminals dry before using.

## 01 Introduction



Safe sanitised, deodorising and oxidising water generated by the latest electrolysis technology.



Using common tap water, it can produce strong electrolysed water (Hypochlorous acid - HOCL) for sanitising, deodorising and cleaning.



Powerful electrolysis method via titanium electrodes.



Smart current control - guarantees current safety overload.



Safe to use on skin (with no accelerator).



Micro droplet sprayer (MDS) with comfortable hand grip.

## 02 Uses

**Sanitisation** Sanitises up to than 99.9% of harmful microorganisms.

**Deodorisation** Spray electrolysed water onto a surface or a cloth and wipe over the surface, reducing surface odour.

**Cleaning** Easily clean away stains or smudges off surfaces.

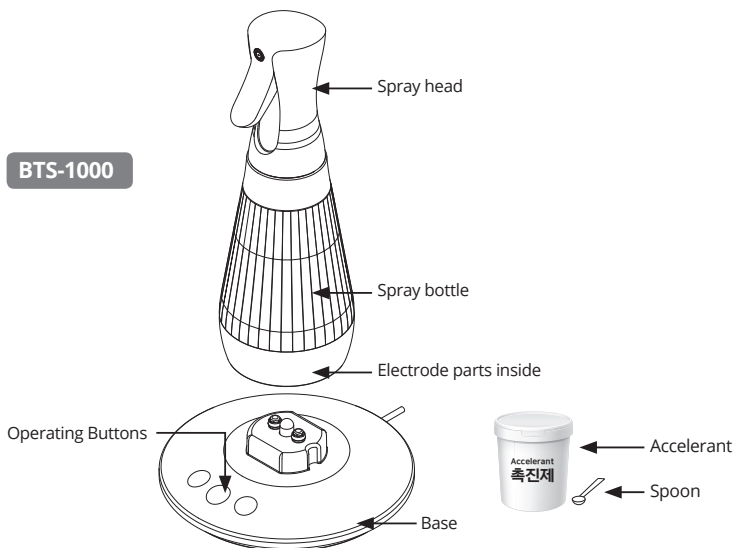
**Removal pesticide residue**

It has been suggested to remove pesticide residues on the surface of fruits and vegetables.


**Characteristics of electrolysed water**

High concentration of electrolyte sanitisation and deodorisation water are maintained for about 7 days. After 7 days the electrolytes are returned to their original state in the water. Avoid storing in direct sunlight and store it in a cool place.

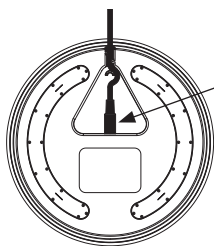
## 03 Product description



### Product specification

Product name	Electrolysed water sanitiser (Spray BTS-1000, Pitcher BTS-1100)		
BTS-1000 Components	1 product set, Spray, AC plug, AC Adaptor, Accelerant, Spoon, User's guide.		
Product specification	Spray - D 90(mm) x W 90(mm) x H 265(mm) Base - D 170(mm) x W 170(mm) x H 55(mm)		
Product weight and volume	Sprayer	350g	
		350ml	
Materials	- Hydrogen generating device: Titanium (Iridium plating) - Main unit: ABS		
Manufacturer	BionTech Co., Ltd.		
 Registration of Broadcasting and Communication Equipments R-R-btp-BTS-1000			

## 04 Component Installation



Attach the adaptor's connector into the bottom of the base groove as shown in figure 1. Then sit base on a flat dry surface and plug in power supply.

Figure 1

## 05 Explanation of terms

### Electrolysis

Electrolysis is a process of decomposing water through an electrochemical redox reaction by applying electricity to the process.

### The effect of electrolysed water

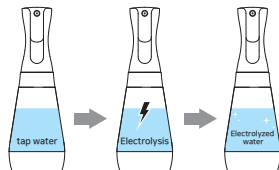
- Deodorising effect on food waste, animals smells and toilet odour
- It has been suggested to remove pesticide from fruits and veggies
- Sanitisation effects by reducing bacteria

### Electrolysed water

Electrolysed water is water that has gone through the electrolysis process. It contains hypochlorous acid (HOCL).

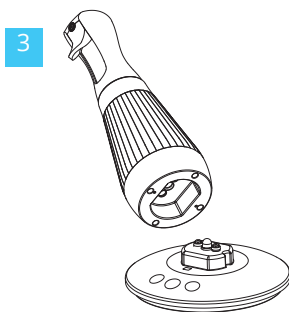
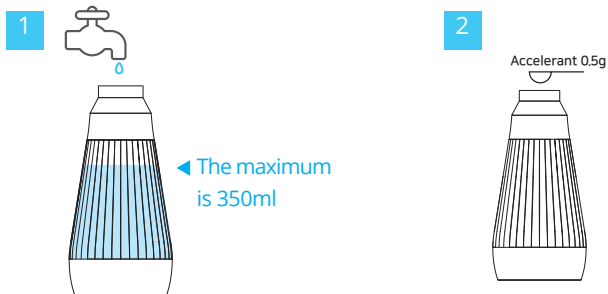
### Electrolysed water usage

Sanitising your home, toilet, school, vehicle, etc. It can be used for general cleaning purposes.



## 06 Using the device

1. Fill up the bottle to the maximum level with tap water.



2. For a stronger solution, add a level teaspoon (0.5g) of accelerant to the water.
3. Combine with water, stir well before starting the electrolysis process.

4. The sprayer bottle fits onto the top of the base.
5. Pressing the Power Button (middle button) will activate the base unit.
- Two settings, either press the low or high button.
- Low : 1 min run time / generating standard electrolysed water.
  - High : 2 min run time / generating strong electrolyzed water.

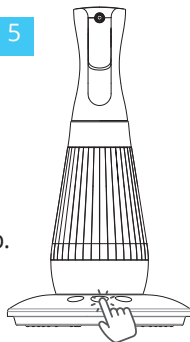
□ Low Mode



□ High Mode



5



6. When the electrolysis process is done, the base will beep.

- Only use tap water (Don't use groundwater, contaminated water, rain water and purified water).
- When generating electrolysed water, it is normal to smell a light disinfectant (chlorine) smell, this is normal.

#### Caution when adding accelerant

Only use the spoon provided and only use a level spoon each time. Adding the accelerant will increase the solution concentration of HOCL.

Don't add extra amounts of accelerant.

Electrolyse just once and test solution on the surface.

Higher concentrations of sanitised water can be achieved by electrolysing the water more than once. Don't exceed more than 3 times.

Only use the accelerant we provided.  
Don't use other chemical accelerant.



Accelerant  
0.5g

## 07 Maintenance

### Maintenance

The electrolysed water in the device will neutralise after about 3-5 days. When the device is not in use for a long period of time (weeks), tip out the water and allow the device to dry. Place in a dry space out of direct sunlight. Don't store in a fridge as it may degrade the device's performance and cause it to stop working.

### Cleaning the exterior of the device

Wipe the exterior of the device with a dry cloth. Don't use any chemicals and general cleaning detergents. Be careful not to get water into the electrical terminals on the base or on the electrical contacts on the underside of the sprayer bottle. Do not use excessive force on the terminals or contacts. If there is moisture, remove it completely and let everything dry out.

### Cleaning the interior of the device

This device has a reverse electrolysed electrode cleaning system, so generally it only needs a scale clean every 6-12 months unless white scale can be seen on the electrodes.

If water is left in the device for a long period of time, scale will build up on the electrodes and the device will not work properly. It is recommended to remove the water if the device isn't going to be used for a week or two.

### Cleaning scale

Periodically check to see if there is any scale build up either on the electrodes or on the inside of the bottle or jug.

To clean, mix together 200ml of warm tap water and 1.0g of citric acid (stir until dissolved). Add solution to the bottle/jug and leave for 2 hours. Pour out and discard the solution. Rinse thoroughly with clean tap water, rinse at least twice.

The white scale material is a mineral build up of calcium and magnesium from the tap water.



## 08 Safety precautions

### Cautions when using the device

1. DON'T use in confined spaces. Always use in well ventilated areas.
2. DON'T inhale or drink the electrolysed water. If you drink the electrolysed water consult a doctor immediately.
3. DON'T spray into anyone's eyes. If it gets into your eyes, immediately rinse with clean water and consult a doctor.
4. Wash your hands after using the device or wear gloves while using it.
5. ONLY use electrolysed water with NO accelerator (salt) when using on your hands or feet as a deodoriser or as a Sanitiser.
6. Keep out of reach of children, infants and animals.
7. DON'T use this device near heaters, open flames, heating devices or pressure cookers.
8. If you turn the device upside down, then water could leak from the spray head.

### User Instructions

1. Make sure to set up the base on a flat clean dry surface.
2. DON'T move the device during electrolysis as it will damage the device.
3. DON'T repeat the electrolysis process more than three times in a row. There is a risk of overheating and damaging the device.
4. When the electrolysis is finished. DON'T touch a contact terminals as there is still power going through them.
5. There is a risk of discoloration or deformation when used on textiles, leather, porous surfaces and/or some metals.
6. DON'T store the bottle/jug in a refrigerator.
7. When removing the adapter plug from the power outlet, hold the plug body and pull it out. If you pull it out by the cord, it may cause damage to the cord and an electric shock. If the adapter is damaged, DO NOT disassemble or try to repair it. Call us on 1800 268 469 for a replacement.
8. DON'T let water get into the AC adapter or use wet hands to touch the AC adapter. You may get an electric shock.
9. DON'T put any objects (metal or any other conducting material) into the bottle or Jug.
10. DON'T disassemble or modify the device in any way.

## 09 Trouble shooting guide

Condition	Check	Action
LED light off	Is the power connected properly?	Try again after connecting the power properly. Press the power on button.
LED light on. However air bubbles have not occurred.	Is the sprayer bottle properly connected with the base?	Refer to page 5. Properly combine the sprayer bottle with the base and then try again. If it does not work, please contact customer service.
Air bubbles seem weak.	Did you use purified or bottled water instead of tap water?	Please use tap water. More air bubbles are generated when an accelerant is added than when only tap water is used.
Device doesn't work when accelerator is added.	Is the amount of accelerant correct for adding?	Only add one level spoon full (0.5g) from the supplied spoon then operate.
Sprayer doesn't spray.	Did you use hard water? Hard water is water that has high mineral content (calcium and magnesium).	01. If the tap water is hard then scale may have built up on the electrodes. Also the spray nozzle may become clogged. If it does not work, immerse the nozzle into a diluted solution of a 1:1 ratio of detergent and water. If it still doesn't work, contact our customer service on 1800 268 469.  02. Due to the nature of the semi-automatic spraying nozzle, the spraying action may not work if the nozzle is filled with air. If it still does not work after attempting at least 5 pumps on the trigger then contact our customer service on 1800 268 469.

# 10 Warranty

This device is covered by a 12-month Manufacturer's Warranty against defects. For full details refer to <https://www.alkaway.com.au/policies/warranty/>

## □ Warranty

1. A warranty against defects is a representation communicated to a consumer that if the goods or services (or part of them) are defective, AlkaWay will:
  - repair or replace goods (or part of them) or
  - provide a refund as per AlkaWay refund policy to the consumer.
2. Any warranty period starts from the date of purchase. To validate your warranty please keep a copy of your Proof of Purchase (invoice). You will need it if a warranty claim is made.
3. To return a product, you must contact us via email : [info@alkaway.com.au](mailto:info@alkaway.com.au) or call on 1800 268 469 to receive return instructions including a Return Authority Number (RA#). We do not accept returns without an RA#.
4. Cost of freight is the purchaser's responsibility as it is not a part of the device's purchase price.
5. When the damage to the device is caused by the customer's negligence or a natural disaster, repairs will be charged even if it is still under warranty. More details below.

## □ Out of warranty

The following scenarios are subject to a service fee even if the device is still under warranty.

1. A breakdown caused by inserting foreign objects into the bottle or jug.
2. Damage to the device or malfunction as the result of impact to the device or from the device being dropped.
3. Damage or warping of the bottle or jug exterior caused by solvents such as cleaning liquids, thinners and benzene cleaners.
4. Failure caused by plugging the device into an incorrect voltage power supply.
5. Failure as a result of using parts or consumables that are not produced by Biontech.
6. Loss of or damage to parts as the result of customers disassembling the device.
7. Failure as a result of repairs or modifications to the device by an unauthorised technician.
8. Damage caused by an impacts to the charging terminals to the electrical contacts.
9. Failure as the result of not abiding by the safety cautions stated in this User Guide (You can use the device safely and for a long time if you abide by these cautions).
10. Failure as the result of natural disasters such as lightning, fire, storm, flood, gas, salt damages or an earthquake, etc.
11. Other scenarios where failure is caused by customer's negligence or fault.



**For all customer and service inquiries,  
call us on 1800 268 469  
or email : [info@alkaway.com.au](mailto:info@alkaway.com.au)**

AlkaWay Australia		<a href="http://www.alkaway.com.au">www.alkaway.com.au</a>
AlkaWay United States		<a href="http://www.alkaway.com">www.alkaway.com</a>
AlkaWay Canada		<a href="http://www.alkaway.ca">www.alkaway.ca</a>
AlkaWay UK		<a href="http://www.alkaway.co.uk">www.alkaway.co.uk</a>
AlkaWay EU		<a href="http://www.alkaway.eu">www.alkaway.eu</a>
AlkaWay Singapore		<a href="http://www.alkaway.sg">www.alkaway.sg</a>
AlkaWay Support		<a href="mailto:support.alkaway.com">support.alkaway.com</a>