



Jerrell

JES-HS60

Handheld Electrostatic
Sprayer

USER GUIDE



Thank you for choosing JEREH products. We will provide you with professional and timely after-sales service.

This product is independently developed by JEREH. It is an ideal product with high intelligence and automation and it has been widely applied in both disinfection and epidemic prevention.

This operation & maintenance manual consists of introductions regarding to equipment structure, operation, safety and maintenance. Please read this manual carefully before operation.

This manual cannot fully list all problems that may occur during the use of the product. If you have any unsolved problems, please contact our after-sales service staff in your regions.

Important Safety Instructions

Warning

- Please read this manual carefully. Failure to follow the instructions below may result in electric shock, fire and/or serious personal injury.
- Read and understand the operation manual, and be aware of all safety instructions, tips and warnings.
- Do NOT operate this product in an explosive environment, such as flammable liquids, gases, and dust. If sparks are generated, dust or smoke may be ignited.
- When operating this product, bystanders or children are not allowed to enter the working area. It may be dangerous to come into contact with certain chemicals.
- This product is suitable for indoor and outdoor use.
- Do NOT expose this product to rain or humid environment.
- Stay alert when operating the product, pay attention to the operation and use guide. Do NOT operate the product when tired or under the influence of drugs, alcohol, or medicines.
- Dress properly. Do NOT wear loose clothes or wear jewelry or work with long hair. Keep long hair, clothes and gloves away from moving parts. Moving parts may get entangled in loose clothes, jewelry or long hair.
- Do NOT use the product on ladders or unstable supports. Working at a stable foothold on a fixed surface can better control the operation of the product in unexpected situations.
- Be careful when walking backwards or working on slippery surfaces to avoid tripping or slipping.
- If the switch cannot be turned on or off, please do NOT use the product. Any product that cannot be controlled by a switch is dangerous and must be repaired.
- Please store this product out of the reach of children. Children are forbidden to operate this product. People who are not familiar with this product or this manual are NOT allowed to operate this product.
- Please use this product in accordance with this manual and the stipulated methods. Using the product for out-of-scope operations may lead to dangerous consequences.
- This product should be repaired with qualified replacement parts and by professional maintenance personnel, which will ensure the safety of the product. The instructions in the maintenance section of this manual should be followed. Use of unauthorized parts or failure to follow maintenance operations may cause the risk of electric shock or injury.
- Don't let the familiarity after frequent use of products or tools make you complacent and ignore the safety principles. A careless action can cause serious injury in an instant.
- When not in use, the product should be turned off.

Specific Safety Rules

- If you are equipped with an electronic heart pacemaker or implantable cardiac defibrillator (ICD), please do NOT use the electrostatic spray system.
- It is strictly prohibited to use non-water-soluble disinfectant, and do NOT pour hot or boiling liquids into the bottle, as this will damage the spray system.
- To reduce the risk of fire or explosion, liquids with a flash point higher than 140°F (60°C) should be used.
- It is NOT recommended to use bleach or hydrogen peroxide. These chemical reagents will corrode metal parts or reduce the service life of spray system components such as bottle and pipes.
- Check the equipment before each use to ensure no impurities in the cavity
- Do NOT use powder or abrasive chemicals
- The spray area must be well ventilated.
- Avoid spraying in a windy environment. The liquid may accidentally be sprayed on plants or objects that should not be sprayed.
- Do NOT spray people or pets.
- Do NOT spray the power outlet.
- When using this product, do NOT smoke, and do NOT spray the place with sparks or flames.
- Before using the product, carefully check the positioning and installation of moving parts, damage to parts, installation, and other conditions that may affect its operation. Unless otherwise stated in this manual, damaged parts should be properly repaired or replaced in a repair facility authorized by the manufacturer.
- When the UV disinfection mode is on, do NOT stare directly at the UV light.
- After using this product, do NOT leave residues or liquid in the bottle. Please clean the bottle, pump and other spray system components after each use.
- When not in use, the product should be stored in a dry, safe, and well-ventilated room, and the liquid in the bottle and pipeline should be emptied.
- Keep this product dry and clean, and avoid any oil stains. Be sure to clean this product with clean cloth.

Warning

Chemicals and chemical fumes are dangerous. If ingested, splashed or in contact with eyes or skin, it can cause serious injury, permanent injury or death.

In spray mode, keep all parts of the body away from the spray outlet.

When the electrostatic induction function is used to spray a conductive surface, charges will accumulate on the conductive surface, which may cause electrostatic shock to the user. It is recommended to bring a secondary conductive object (such as a key) to touch the surface and dissipate the charges.

In the use, always pay attention to prevent impurities such as hair and accessories from entering the air inlet

Chemicals Safety

Read and follow the instructions on the label of the chemical manufacturer and pay attention to the following regulations.

- When using any fungicides or other chemicals, please carefully read the labels on the original packaging and follow the instructions for use. Some chemicals are dangerous and should NOT be used in this product because they can harm the sprayer and cause serious property damage.
- When filling, mixing and using the liquid, personal protective equipment (PPE) should be worn, including protective clothing, gloves and hat, eye protection equipment (such as goggles and face shield), and respiratory protection equipment (such as mask, breathing filter and respirator).
- Understand the symptoms of poisoning and understand the appropriate first aid plan when symptoms of poisoning appear.
- Understand the harm caused by chemicals to the environment, and the first aid measures in case of chemicals leakage.
- Consult the chemicals manufacturer's recommendations to know how long to wait before allowing people or animals to return to the spray area.
- Always comply with the general regulations in the areas where chemicals are used.

Battery Safety

- Before disassembling and assembling the battery, please make sure that the battery and the product are clean, dry, free from damage and the power switch is in the off position.
- When the product is being repaired, cleaned or not in use, remove the battery. Following this rule will reduce the risk of electric shock, fire, or serious personal injury.
- Do NOT crush, drop, disassemble, damage or swallow the battery. Do NOT use the battery or chargers after being dropped or hard hit. If the battery is damaged, there is a danger of explosion. Properly dispose of the dropped or damaged battery immediately.
- Do NOT place the battery or charger near a heat or fire source. The battery may explode in the presence of an ignition source. To reduce the risk of serious personal injury, do NOT use any cordless products under an open flame. An exploded battery can produce debris and chemicals. If it comes in contact with the body, please flush it with water immediately. Check local regulations for proper disposal instructions.
- Do NOT charge the battery in a humid place. Following this rule will reduce the risk of electric shock.
- Under extreme operational or temperature conditions, the battery may leak. If the liquid comes into contact with the skin, wash it off immediately with soap and water. If the liquid gets into your eyes, rinse with clean water for at least 10 minutes and then seek medical advice immediately. Following this rule will reduce the risk of serious personal injury.

- This product can only be used with the original battery. Using other battery may cause injury or risk of fire.
- Keep the battery away from metal objects, such as paper clips, coins, keys, nails, bolts or other small metal objects that may connect the battery electrode. Short-circuiting both ends of the battery may cause burns or fire.

Safety Tips

There are safety warning stickers on the equipment to remind the equipment operators to use the equipment correctly and indicate the potential safety hazards. Even if these warning signs are lost or hidden out of sight, the safety regulations should be followed when operating the equipment. When the safety tips are worn, damaged or unrecognized, please replace them in time.

Safety Symbols

To avoid personal injury and ensure the service life of the equipment, you must keep in mind the content of warnings, cautions and notes highlighted in this manual.



Warning: Failure to comply may result in personal injury or death.



Caution: Failure to comply may damage or destroy the product.



Attention : Operating procedures and methods with special attention.

Important Note



It is prohibited to spray flammable and explosive liquids such as alcohol , kerosene, etc., as well as other special purpose liquid.



When cleaning, make sure that the product is shut down, the charging cable is plugged out and the rubber cover of charging port is fastened. Otherwise, electric shock or serious failure may be caused by water penetration.



The lithium battery should be firmly fixed on the product; the battery must be handled with care when disassembling and installing, and violent collision are prohibited.



When moving, mixing, using, storing and handling the liquid, the safety instructions provided by liquid manufacturer should be followed.



When used and transported, the product should be protected to prevent collision, falling and vibration.



Do NOT clean the product with alcohol, gasoline, kerosene or other corrosive, volatile chemical solvents. Otherwise, the appearance and internal structure of the product will be seriously damaged.

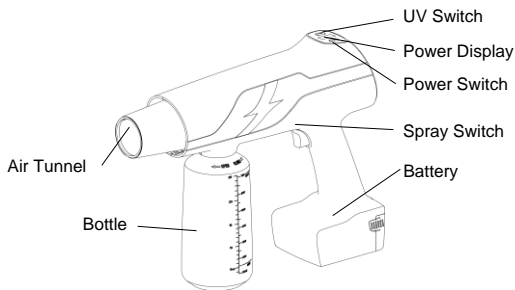


When spraying electrical appliances, keep the nozzle more than 1 meter away from the electrical appliances.



It is normal to have a slight feeling of static electricity shock during the operation, as the mist is charged with static electricity.

Product Description



Model	JES-HS60
Droplet Diameter	30-70 μ m
Spray Distance	> 2m
Spray Rate	80-120ml/min
Bottle Volume	700ml
Power Source	24V Lithium Battery
Duration	90min
Dimension	360x100x275mm
Weight	1.9kg (battery included, liquid excluded)

- Hypochlorous acid, quaternary ammonium salt, chlorine dioxide and other disinfectants are recommended.
- Avoid using strong corrosive disinfectants.

Installation and Assembly

After receiving the product, please open the package, take the product and accessories out of the box, and make sure that all the items on the packing list are received.

When the product is delivered, to ensure the transportation safety, the bottle and battery are placed separately without being installed on the product. Before working, please follow the instructions to install the bottle and battery.



Attention

Check the product and accessories carefully to ensure that there is no breakage or damage during transportation

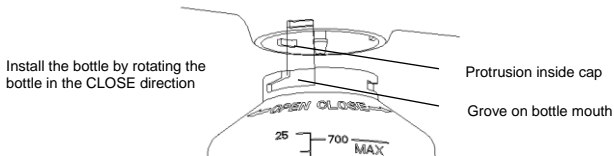
If the product is not fully assembled or any part of the product is missing or damaged, please do NOT use it. Using incorrect and incomplete-assembled products may cause serious personal injury.

Do NOT attempt to modify this product. Any such modification is misuse and may lead to dangerous consequences, which may result in serious personal injury.

Please do NOT discard the packaging materials before carefully checking and satisfactorily operating the product. If any part is damaged or missing, please contact customer service or a repair agency authorized by the manufacturer.

Bottle Installation & Disassembly

- Align the groove on the mouth of bottle with the protrusion inside the bottle cap, push the bottle toward the bottle cap, and rotate the bottle clockwise about 30° to buckle the bottle and the bottle cap.
- When disassembling, rotate the bottle counterclockwise about 30° to detach the bottle cap.



Caution

Make sure that the liquid inlet pipe and filter are tightly connected before installing the bottle.

To ensure the normal operation of the sprayer, when filling the liquid, please do NOT exceed the maximum filling line.

Before installing the bottle containing liquid to the sprayer, wipe the outside of the bottle with a dry cloth to clean up the spillage.

If you use a measuring container or funnel to fill the liquid, be sure to wash these items thoroughly after use. If the liquid is premixed in the container, clean the container used for mixing.

Battery Installation & Disassembly

- Align the groove on bottle mouth with the protrusion inside bottle cap, and complete the installation by rotating the bottle about 30° in the CLOSE direction to the stopper position

- Disassemble the bottle by rotating the bottle about 30° in the OPEN direction

Operating Procedure

Operating Instructions

- Wear PPE (Personal Protective Equipment) including protective clothing, goggles, respiratory masks etc. before starting the sprayer.
- Ensure the required dose of liquid in the bottle, and the proper battery installation.
- Press and hold the power button for 1 second, the indicator light will stay on and the sprayer will be activated.
- Press the UV switch, the UV indicator will stay on and the UV mode will be activated; press the UV switch again, the UV indicator will go off, and the UV mode will be deactivated; the next time when you start up the sprayer, the UV mode will be as same as last time.
- Press the spray switch to start the operation; press the spray switch again to stop the operation.
- In the power-on state, long press the power button for 1 second, the indicator light will be off, and the sprayer will shut down .
- When the spray mode and UV mode are both turned off in the power-on state, the sprayer will automatically shut down after 2 minutes.

Battery Charge

- Insert the round end of charger into the matching battery hub.
- Plug the other end of the charger into the socket.
- Indicator light on the charger shows red, i.e. battery is being charged; indicator light shows green, i.e. the charging is complete.

Warning

Lithium batteries should be used in a suitable environment temperature, the charging temperature range is 0~45°C, and the discharge temperature range is 0~60°C. When the product is not in use for a long time, it is necessary to check the battery power regularly and charge it in time to avoid damage to the battery due to long-term power loss.

Attention

Keep your hands in contact with the metal handle during spraying.

The UV mode is off by default when the sprayer is turned on for the first time. For the next time when the sprayer is turned on, the UV mode will remain on or off as same as last time.

Use the sprayer in the early morning or evening, especially in a warm or hot weather, as too high temperature will cause the fog to evaporate before settlement

Caution

When spraying, the nozzle is recommended to be in horizontal direction.

When spraying diagonally upwards for a long time, some water droplets will flow out from the drain hole at the bottom of the handle due to electrostatic adsorption, which is a normal phenomenon.

It is forbidden to press the button switch frequently to start and stop the sprayer, and the interval between each start-up should be more than 5 seconds. Frequent start-up of the sprayer will easily cause the controller failure.

When the last cell of battery display flashes, it indicates that the power is insufficient. Please charge it in time, which will eliminate the possibility of unnecessary battery damage and extend the battery life.

When the battery power is too low, the sprayer will automatically shut down. Do NOT use the sprayer when it is being charged.

Maintenance

Bottle and Spraying System Cleaning

- Disassemble the bottle, empty the residual liquid in there, or keep the sprayer running to empty the liquid.
- Fill the bottle with 400ml purified water and add a small amount of mild household detergent.
- Wipe the external surface of the bottle with a clean dry cloth.
- Install the bottle on the product and make sure it is fastened in place.
- Start spraying until the bottle is emptied.
- Replenish with purified water and repeat the above steps. It may be necessary to rinse the bottle and Spraying System Cleaning several times, and then drain again according to the above operations.
- Allow all parts to dry completely before re-installation and storage.



Attention

Clean the spraying system with purified water at least once a day.

When replacing a new liquid, in order to avoid mixing, clean the spray system with purified water for 2-3 minutes.

Product Cleaning and Storage

- Empty the liquid from the bottle or keep the sprayer running to empty the liquid.
- Fill the bottle with 400ml purified water, start spraying, and after the bottle is emptied, continue spraying for 1-2 minutes to drain the water in the pipeline.
- Wipe the product to remove the dirt on product surface with a soft cloth dipped in a little water.
- Wipe dry the product with a clean cloth.
- Store the product indoors in a dry and cool place. Service life of battery will be reduced in an overheat or super-cool environment.

Warning

Do NOT drop or throw the product.

Please do NOT attempt to disassemble the product.

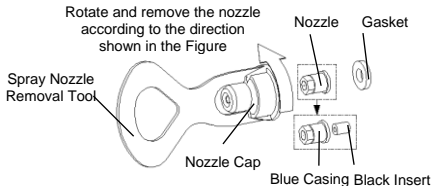
When the product is not in use, it is strictly prohibited to store the liquid in the bottle for more than 24 hours.

Equipment working environment temperature and storage temperature are between 5-55°C.

Nozzle Assembly & Disassembly

Turn off the power switch and let the product stand for about 5 minutes to disperse the electrostatic charge. Follow the steps below to disassemble and assemble the nozzle.

- Disassemble the battery.
- Unscrew the nozzle cap with spray nozzle assembly & disassembly tool.
- Take out the sealing gasket and the nozzle in turn from the nozzle cap.
- When installing, put the nozzle and gasket back into the nozzle cap in turn, and use the nozzle assembly & disassembly tool to tighten the nozzle cap into the fixed seat to prevent leakage.



Nozzle Cleaning

With the increase of operation time, the nozzle will be blocked or damaged, which will affect the spray volume. Cleaning the inside of the nozzle regularly can effectively prevent the blockage caused by chemical deposition, so as to maintain the performance and prolong the service life. Clear up the nozzle with reference to the steps in "Filter Replacement and Nozzle Cleaning"

If the blockage is still present, replace the nozzle.

Filter Replacement

The filter is located at the bottom of liquid hose inside the bottle, and it needs to be checked regularly for possible blockage. In the case of damaged or rusty filter, please replace in time. Replace the filter with reference to the steps in "Filter Replacement and Nozzle Cleaning"



Maintenance List

Item	Maintenance Item	Maintenance Frequency
1	Thoroughly clean the nozzle with reference to the steps in "Filter Replacement and Nozzle Cleaning"	It is recommended to clean the nozzle every 20 hours of operations.
2	Regularly check if any blockage of filter	It is recommended to clean the nozzle every 20 hours of operations.
3	Check the cleanliness of inside liquid bottle	It is recommended to clean the nozzle every 50 hours of operations.
4	Clean the product surface	Clean after each use
5	Check whether the air inlet is blocked	Check before each use
6	Check whether the cooling fan rotates	Check before each use
7	Clean the spraying system	Clean with purified water at least once a day

Troubleshooting

Fault Phenomenon	Cause Analysis	Solutions
Spray is intermittent, unstable and liquid output decreased.	Filter blockage	There is a filter inside the bottle. Check whether it is blocked and replace it if necessary.
	Nozzle internal blockage	Clean the nozzle with reference to the steps in "Filter Replacement and Nozzle Cleaning"
	Insufficient disinfectant	Add disinfectant to the bottle
	Nozzle cap loose	Check whether the nozzle cap is tightened
	Pipe leakage	Contact manufacturer for repair
	Low battery	Check the battery power, charge or replace the battery in time.
No electrostatic attraction on droplets	Wire damage	Contact manufacturer for repair
Charging failure	Charger fuse damage or charger	Replace charger fuse or charger

Fault Phenomenon	Cause Analysis	Solutions
	damage	
	Mismatched charging voltage or charger's positive-negative pole	Original charger is not selected, please use the original charger.
	Battery damage or aging	Replace the battery
Turn on the power switch, the sprayer is not started	Connection of battery not in place	Connect the battery in place.
	Switch button damage	Contact manufacturer for repair
	Wire damage	Contact manufacturer for repair
Bottle overflowed during the operation	Bottle cap not tightened	Tighten the bottle cap
	Bottle broken	Replace the bottle
	Seal of bottle cap or vent film damage	Contact manufacturer for repair
Liquid pump abnormal or not running	Pump motor or circuit board damage	Contact manufacturer for repair
Switch button cannot be pressed or rebounded	Switch button damage	Contact manufacturer for repair
UV light failure	Light bulb damage	Contact manufacturer for repair
	Wire damage	Contact manufacturer for repair

Warranty Policy

The warranty for Jerih C-Create electrostatic disinfection sprayers is implemented from the date of purchase. The warranty clauses are as follows.

Basic Statement

During the warranty period (calculated from the date of invoice), if the product fails during normal use, Jerih provides warranty service. Please note the following.

- The lost warranty card will not be reissued. Please keep it properly.

- The warranty card is only valid in China.
- Jereh does not provide on-site services for overseas customers (outside China mainland). For damages during the warranty period, Jereh will provide replacements for free; for damages caused by natural or human factors beyond the warranty period, Jereh will provide paid replacements, and the freight and custom duty shall be borne by the customers.

Product Warranty

Item	Warranty Description	Warranty Period
Whole Unit	Whole Unit (Battery NOT included)	12 Months
Accessories	Battery, Charger, Power Cable	6 Months
Consumables	Filter Assembly	/

Note: Warranty period is NOT applicable to consumables.

During the warranty period, the following situations are not covered by the free warranty:

- Fail to present the corresponding purchase order or invoice;
- The information recorded on the warranty card is inconsistent with the actual product information or altered;
- The operation is not carried out in accordance with the manual and the items prohibited in the manual are violated;
- The products are maintained by staff not authorized by Jereh;
- The damage caused by natural disasters or force majeure;
- Self dismantling or man-made damage.

During the extended warranty period, the warranty period will not be extended or recalculated after replacement of parts or major components.

Jereh provides the paid maintenance services to customers on the equipment with expired warranty period.

Warranty Card

Product Model	
Product Name	
Product Number	
Purchase Date	
Invoice Number	
User Name	
Phone Number	
Address	

Date	Maintenance Record

After sales service phone number (filled in upon the product sales)

Legal Statement

The materials and graphics in this manual are correct at the time of publication, but the structure and performance of Jereh's products are always improving. The relevant contents in this manual may change. Please refer to the actual products. Jereh has the right to upgrade the technology and modify the product appearance.

Please read this manual carefully before using this product. Jereh will not be responsible for any consequences caused by operation beyond the procedures of safety, correct operation, repair and maintenance of the equipment.

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Packing List

Item	Description	Qty.
1	Sprayer	1
2	Certificate of Conformity	1
3	User Guide	1
4	Filter Replacement&Nozzle Cleaning User Guide	1
5	Charger	1
6	Spray Nozzle	1
7	Spray Nozzle Seal	2
8	Spray Nozzle Assembly & Disassembly Tool	1
9	Filter Assembly	5

EXCEED CUSTOMER EXPECTATIONS !

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