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LIECTROUX HCR-10

LIECTROUX HCR-09 Automatic Window Cleaning Robot User Manual

Model: HCR-10

1. INTRODUCTION

Thank you for choosing the LIECTROUX HCR-09 Automatic Window Cleaning Robot. This intelligent household appliance is designed to simplify window cleaning, offering powerful suction and smart navigation for various smooth surfaces. Please read this manual thoroughly before operating the device to ensure safe and efficient use.



The LIECTROUX HCR-09 Window Cleaning Robot, shown with its remote control, ready for operation. This image highlights the sleek design and compact form factor of the device.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please adhere to the following safety guidelines:

- Always ensure the robot is connected to a power source during operation. The built-in UPS (Uninterrupted Power System) battery is for emergency power-off protection only.
- The UPS battery provides approximately 25 minutes of suction protection in case of power failure, preventing the robot from falling and sounding an alarm.
- Always attach the professional 4-meter safety rope to a secure anchor point before starting the robot, especially when cleaning high or exterior windows.
- Do not use the robot on cracked, damaged, or uneven glass surfaces.
- Keep hands, hair, and loose clothing away from moving parts.
- Do not immerse the robot in water or other liquids.
- Store the robot in a dry, cool place when not in use.

200kg.f safety rope to respond to any emergency



The LIECTROUX HCR-09 includes a 4-meter safety rope capable of withstanding 200kg.f, providing an essential safety measure to prevent falls and ensure secure operation, especially on high windows.

20-minute power-off protection



The robot features a 20-minute power-off protection system. In case of a power outage, the built-in UPS battery maintains suction for up to 25 minutes, preventing the robot from falling and sounding an alarm.

3. PRODUCT OVERVIEW

The LIECTROUX HCR-09 is equipped with advanced features for effective window cleaning:

- **Powerful Suction:** Integrated suction motor generates 2800Pa of strong suction for secure adhesion.
- **Dual-Spiral Cleaning:** Features a dual-spiral cleaning head with microfiber cloths for thorough cleaning.
- **Smart Navigation:** AI technology detects window frames and obstacles, automatically adjusting its direction.
- **Versatile Application:** Suitable for various smooth surfaces including glass, windows, tiles, and glass floors.
- **Remote Control:** Allows for convenient control of the robot's cleaning path and modes.

High-end face

Ultra-strong dust removal



Dual-disk simulated twisting & sweeping



Turbofan booster fan assembly



Metal impellers with strong dust removal performance and long service life



High-density cleaning fiber cloth



Key features of the LIECTROUX HCR-09: Dual-disk simulated twisting & sweeping for thorough cleaning, a turbofan booster fan assembly for strong suction, durable metal impellers for effective dust removal and long service life, and high-density cleaning fiber cloth for streak-free results.

2800Pa vacuum suction Strong adsorption and safe and smooth movement



Visual representation of the 2800Pa vacuum suction, illustrating the strong adsorption capability that allows the robot to move safely and smoothly on vertical surfaces.

4. SETUP

Follow these steps to set up your LIECTROUX HCR-09:

1. **Prepare the Cleaning Cloths:** Attach the microfiber cleaning cloths firmly to the cleaning pads on the robot. Ensure they are clean and slightly damp (not dripping wet) with a suitable window cleaning solution.
2. **Connect Power:** Plug the power adapter into the robot and then into a power outlet. Ensure the connection is secure. The power cord is 5.2 meters long.
3. **Attach Safety Rope:** Securely fasten the 4-meter safety rope to a sturdy object indoors, such as a heavy piece of furniture or a window frame anchor point.
4. **Place the Robot:** Place the robot on the glass surface you wish to clean. Ensure it is flat against the surface.
5. **Power On:** Press the power button on the robot or the remote control to activate the suction. Wait for the robot to firmly adhere to the glass before releasing it.

5. OPERATING INSTRUCTIONS

The LIECTROUX HCR-09 offers multiple cleaning modes for optimal results:

Automatic Cleaning Modes

The robot features 3 automatic cleaning modes. Use the remote control to select your desired mode:

- **Z-path Cleaning:** Ideal for tall and narrow windows.
- **N-path Cleaning:** Suitable for wide and short windows.
- **Combined Path:** For comprehensive cleaning of various window shapes.

The robot will automatically detect window frames and obstacles, calculating an intelligent cleaning path.

Manual Control

You can also control the robot manually using the remote control to direct its movement and target specific dirty areas.

Water Spray Function

The robot includes a water spray function to assist with cleaning. Ensure the water tank is filled with appropriate cleaning solution before use.

Dual-disk simulated twisting & sweeping for complete and close cleaning

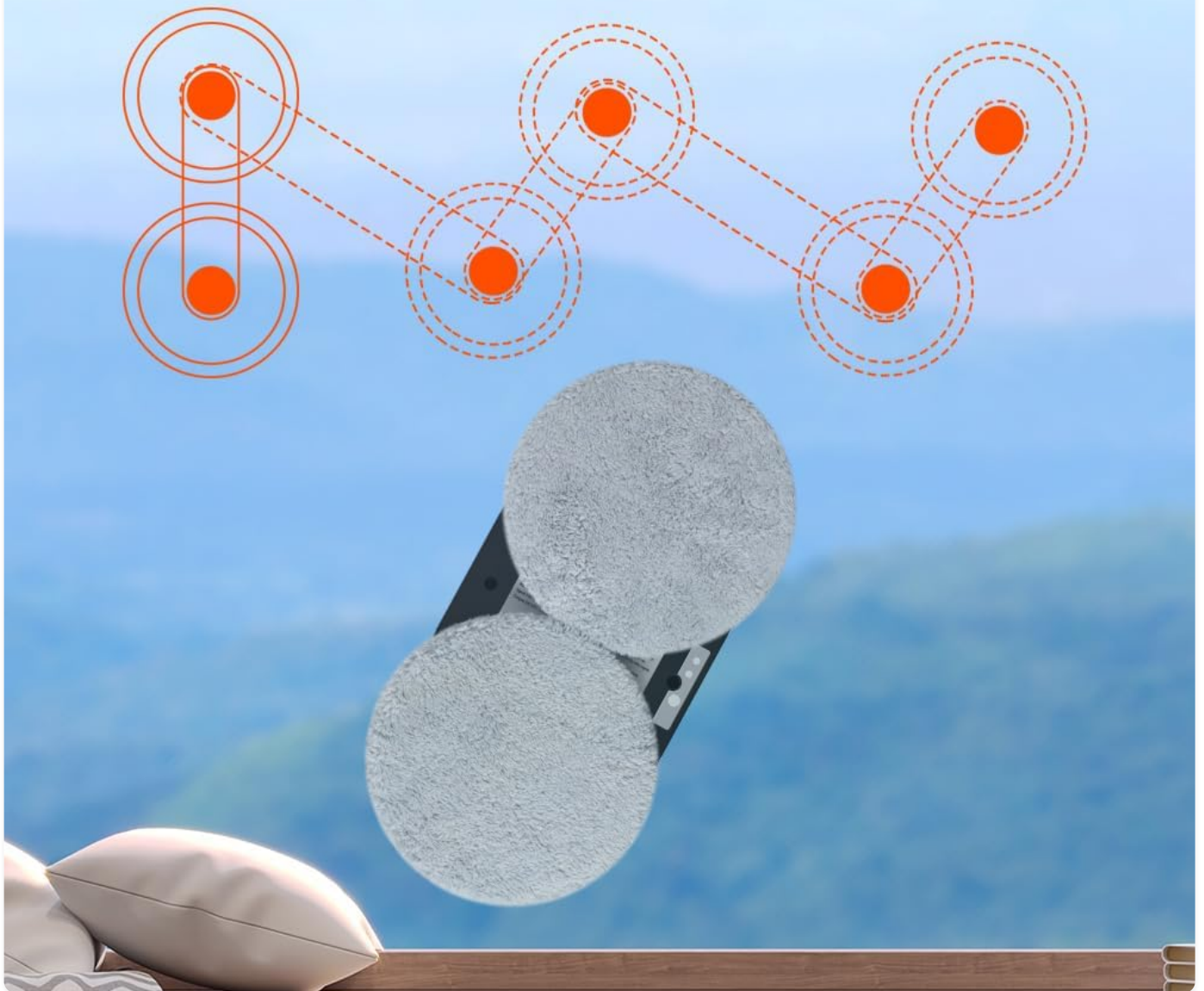


Illustration of the dual-disk simulated twisting and sweeping motion, demonstrating how the robot achieves complete and close cleaning across the glass surface.

Applicable for a variety of surfaces / environments



Office buildings



Mall



School



Residential house

The LIECTROUX HCR-09 is versatile and applicable for a variety of smooth surfaces and environments, including bathroom mirrors, wooden tile surfaces, marble walls, windows around the house, framed glass, office buildings, malls, schools, and residential houses.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your robot:

- **Clean Microfiber Cloths:** After each use, remove the microfiber cleaning cloths and wash them thoroughly. They can be hand-washed or machine-washed. Ensure they are completely dry before reattaching.
- **Clean Sensors:** Periodically wipe the sensors on the robot with a soft, dry cloth to ensure accurate obstacle detection and navigation.
- **Inspect Suction Cups/Pads:** Check the suction pads for any debris or damage. Clean them if necessary to maintain strong suction.
- **Store Properly:** When not in use, store the robot in its original packaging or a clean, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

If you encounter issues with your LIECTROUX HCR-09, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot not adhering to glass	Insufficient suction; dirty cleaning pads; uneven surface.	Ensure power is connected; clean cleaning pads; ensure surface is smooth and clean.
Robot falls during operation	Power disconnected; UPS battery depleted; safety rope not attached.	Reconnect power; ensure UPS battery is charged; always attach safety rope.
Poor cleaning performance	Dirty or dry cleaning cloths; insufficient cleaning solution.	Wash and re-dampen cleaning cloths; refill water tank with cleaning solution.
Robot not moving or stuck	Obstacle detected; sensor dirty; power issue.	Clear obstacles; clean sensors; check power connection.

If the problem persists, please contact customer support.


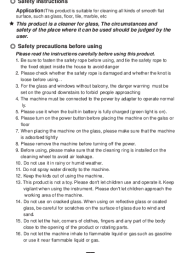



8. SPECIFICATIONS

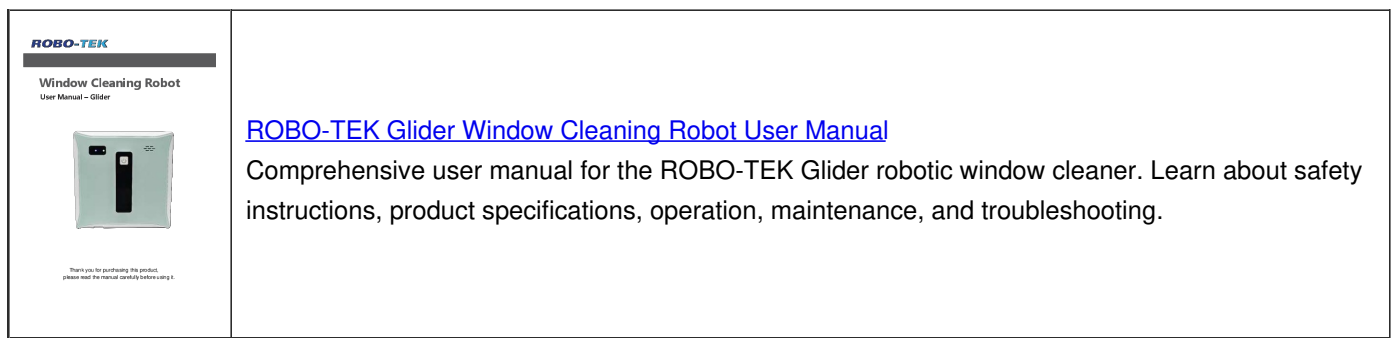
Feature	Specification
Brand	LIECTROUX
Model Name	HCR-10
Color	Hcr-09
Product Dimensions	27L x 27W x 7.8H centimeters
Power Source	Corded Electric
Suction Power	2800Pa
Safety Rope Length	4 meters
Adapter Cord Length	5.2 meters
UPS Battery Protection	25 minutes
Surface Recommendation	Glass
Special Feature	Wet and Dry Cleaning
Control Method	Touch, Remote Control
Batteries Included	No

9. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact the manufacturer directly. Information regarding spare parts availability is currently unavailable.

Related Documents - HCR-10

 <p>Tuya App Operation Guide</p> <p>1. Scan the QR code on the robot.</p> <p>2. Download the Tuya App.</p> <p>3. Create a new account.</p> <p>4. Add a new device.</p> <p>5. Select the robot.</p> <p>6. Follow the instructions to connect the robot to the app.</p> <p>7. Control the robot via the app.</p>	<p>Tuya App Operation Guide for Robot Window Cleaner</p> <p>Step-by-step instructions for using the Tuya App to connect, control, and operate your Robot Window Cleaner, covering setup, pairing, and various cleaning and spray modes.</p>
 <p>○ Safety Instructions</p> <p>Read the instructions carefully before using this product.</p> <p>1. Do not use the robot on wet or slippery surfaces.</p> <p>2. Do not use the robot on surfaces that are not made of glass.</p> <p>3. Do not use the robot on surfaces that are not flat.</p> <p>4. Do not use the robot on surfaces that are not clean.</p> <p>5. Do not use the robot on surfaces that are not smooth.</p> <p>6. Do not use the robot on surfaces that are not dry.</p> <p>7. Do not use the robot on surfaces that are not free of obstacles.</p> <p>8. Do not use the robot on surfaces that are not free of liquids.</p> <p>9. Do not use the robot on surfaces that are not free of dust.</p> <p>10. Do not use the robot on surfaces that are not free of debris.</p> <p>11. Do not use the robot on surfaces that are not free of hair.</p> <p>12. Do not use the robot on surfaces that are not free of lint.</p> <p>13. Do not use the robot on surfaces that are not free of fibers.</p> <p>14. Do not use the robot on surfaces that are not free of threads.</p> <p>15. Do not use the robot on surfaces that are not free of threads.</p> <p>16. Do not use the robot on surfaces that are not free of threads.</p> <p>17. Do not use the robot on surfaces that are not free of threads.</p> <p>18. Do not use the robot on surfaces that are not free of threads.</p> <p>19. Do not use the robot on surfaces that are not free of threads.</p> <p>20. Do not use the robot on surfaces that are not free of threads.</p>	<p>DIVEDEER HCR-11 Automatic Window Cleaner Robot User Manual</p> <p>Comprehensive user manual for the DIVEDEER HCR-11 automatic window cleaner robot, detailing safety instructions, product features, specifications, operation, troubleshooting, and maintenance.</p>
 <p>OMRON</p> <p>血圧測定器</p> <p>HCR-7006 / HCR-7101 / HCR-7102 / HCR-7104 / HCR-710Y</p> <p>使用説明書</p> <p>正確な測定のために</p>	<p>OMRON Upper Arm Blood Pressure Monitor HCR-7006/7101/7102/7104/710Y User Manual</p> <p>This user manual provides instructions for the OMRON Upper Arm Blood Pressure Monitor models HCR-7006, HCR-7101, HCR-7102, HCR-7104, and HCR-710Y. It covers setup, measurement procedures, features, maintenance, and safety precautions for accurate blood pressure monitoring.</p>
 <p>OVOX R8</p> <p>INSTRUKCJA OBSŁUGI</p>	<p>OVOX R8 Window Cleaning Robot User Manual</p> <p>Comprehensive user manual for the OVOX R8 window cleaning robot, covering safety precautions, product specifications, operating instructions, cleaning modes, maintenance, troubleshooting, and warranty information.</p>
 <p>OVOX R8</p> <p>BRUKSANVISNING</p>	<p>OVOX R8 Window Cleaning Robot User Manual</p> <p>Comprehensive user manual for the OVOX R8 window cleaning robot, covering safety precautions, product overview, operating instructions, cleaning modes, maintenance, troubleshooting, and warranty information.</p>



ROBO-TEK Glider Window Cleaning Robot User Manual

Documents - LIECTROUX – HCR-10