

LIECTROUX HCR-10

LIECTROUX HCR-10 Electric Window Cleaning Robot User Manual

Model: HCR-10 | Brand: LIECTROUX

INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your LIECTROUX HCR-10 Electric Window Cleaning Robot. Please read this manual thoroughly before using the product and keep it for future reference.

The LIECTROUX HCR-10 is an intelligent household appliance designed for deep window cleaning. It features a powerful 2800Pa suction motor, dual-spiral cleaning heads with microfiber cloths, and ultrasonic water spray for effective dirt removal. It is compatible with various glass surfaces, including windows, tiles, and glass floors, making it ideal for hard-to-reach areas.

PRODUCT FEATURES

- **Powerful Suction:** Integrated suction motor provides 2800Pa suction for secure attachment to vertical surfaces.
- **Efficient Cleaning:** Dual-spiral cleaning heads with microfiber cloths and ultrasonic water spray system for thorough cleaning.
- **Intelligent Navigation:** AI technology detects window frames and obstacles, automatically adjusting direction.
- **Multiple Cleaning Modes:** Features 3 automatic cleaning modes and remote control for flexible operation.
- **Safety Features:** Built-in UPS battery provides 25 minutes of absorption protection during power outages, preventing falls. Includes a 4m safety rope and 5.2m adapter cord.
- **Versatile Application:** Suitable for various glass types, windows, tiles, and glass floors.
- **Brushless Motor:** Equipped with a Japan-made brushless motor for quiet and efficient operation.



Dual-disk simulated twisting & sweeping



6.8cm compact body



Self-learning system



Intelligent pressure adjustment



Low temperature & constant pressure technology



Turbofan booster fan assembly



Japan-made brush-less motor



Metal impellers with strong dust removal performance and long service life



High-density cleaning fiber cloth

Figure 1: Overview of LIECTROUX HCR-10 key features including dual-disk twisting, compact body, self-learning system, intelligent pressure adjustment, low temperature technology, turbofan booster, brushless motor, metal impellers, and high-density cleaning fiber cloth.

PACKAGE CONTENTS

Please check the package contents upon unboxing to ensure all items are present and undamaged.



Figure 2: Included accessories: Window Cleaning Robot, 10 washable cleaning cloths, 4 support covers, water bottle, remote control, power adapter, extension cable, safety rope, and instruction manual.

- LIECTROUX HCR-10 Window Cleaning Robot
- Remote Control
- Power Adapter
- Extension Cable (5.2m)
- Safety Rope (4m)
- Microfiber Cleaning Cloths (x10)
- Support Covers (x4)
- Water Bottle
- User Manual

SETUP

1. Safety Precautions

- Always ensure the robot is connected to a power source during operation.
- Attach the safety rope securely to a fixed object before placing the robot on the window.
- Do not use the robot on cracked or damaged glass surfaces.
- Keep hands and loose clothing away from moving parts.

2. Preparing the Robot

1. Attach clean microfiber cleaning cloths to the dual-spiral cleaning heads. Ensure they are securely fastened.
2. Fill the 30ml water tank with appropriate window cleaning solution or distilled water.
3. Connect the power adapter to the robot and plug it into a power outlet. Ensure the connection is firm.
4. Attach the safety rope to the designated attachment point on the robot and secure the other end to a sturdy indoor fixture.



Figure 3: The LIECTROUX HCR-10 robot and its remote control, illustrating the ultrasonic water spray function.



Figure 4: Illustration of the robot's power connection (4m cable, 1.5m adapter cable) and the 20-minute power outage protection feature.

OPERATING INSTRUCTIONS

1. Starting the Robot

1. Place the robot on the glass surface you wish to clean. Ensure it is flat against the surface.
2. Press the power button on the robot or the remote control to activate suction. The robot will adhere to the glass.
3. Once securely attached, select a cleaning mode using the remote control.

2. Cleaning Modes

The HCR-10 offers three automatic cleaning modes and manual control via the remote:

- **Automatic Up-to-Down:** The robot cleans from top to bottom, moving horizontally across the surface.
- **Automatic Left-to-Down:** The robot starts from the left and moves downwards, covering the area.
- **Automatic Right-to-Down:** The robot starts from the right and moves downwards, covering the area.
- **Manual Control:** Use the directional buttons on the remote control to guide the robot as needed.



Figure 5: The three intelligent cleaning path options for comprehensive coverage.

3. Water Spray Function

The robot features an ultrasonic water spray system to soften dirt and facilitate cleaning. This function can be activated automatically or manually via the remote control.

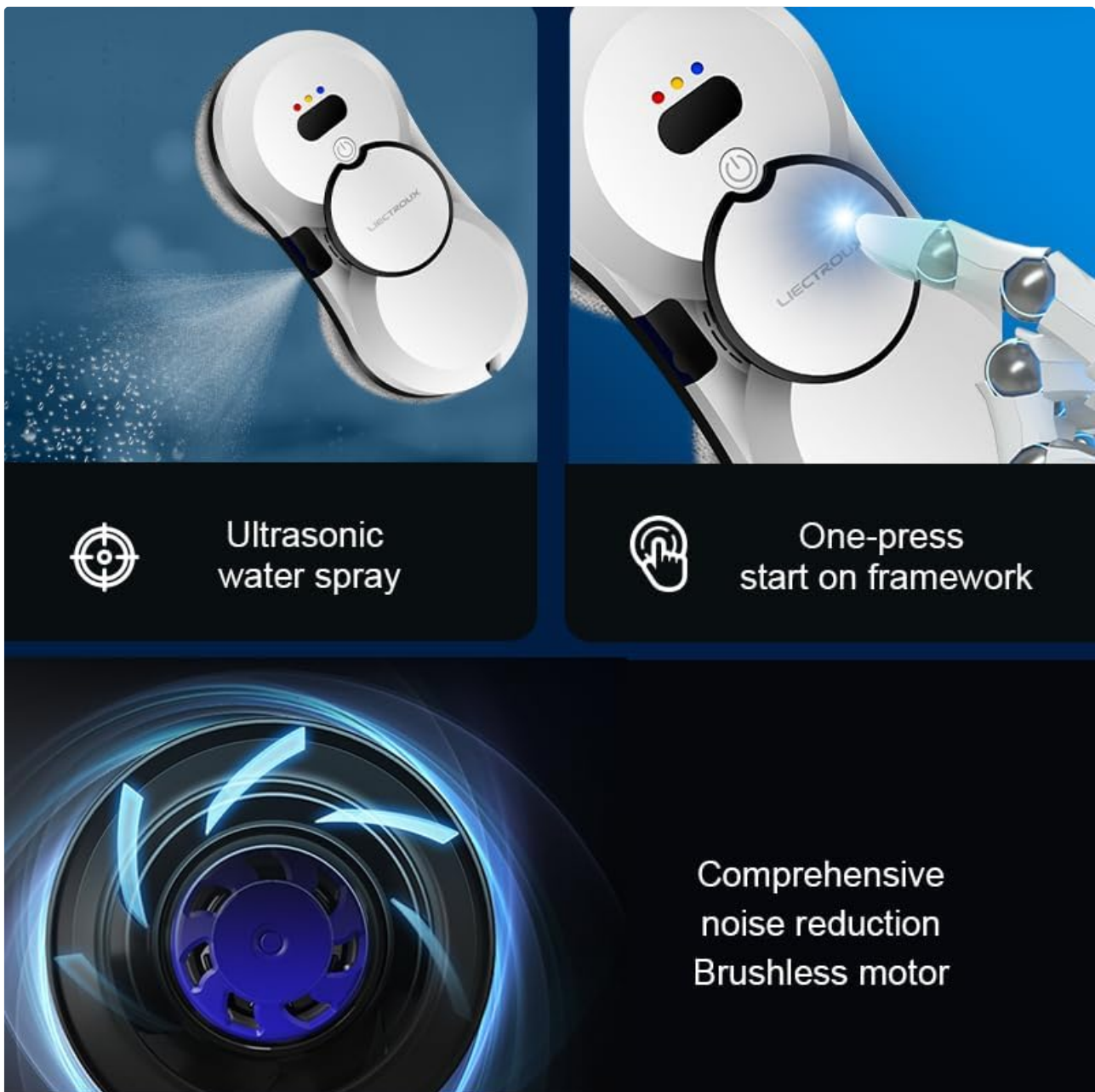


Figure 6: Detail of the ultrasonic water spray nozzle and the one-press start button on the robot.

4. Cleaning Process Overview

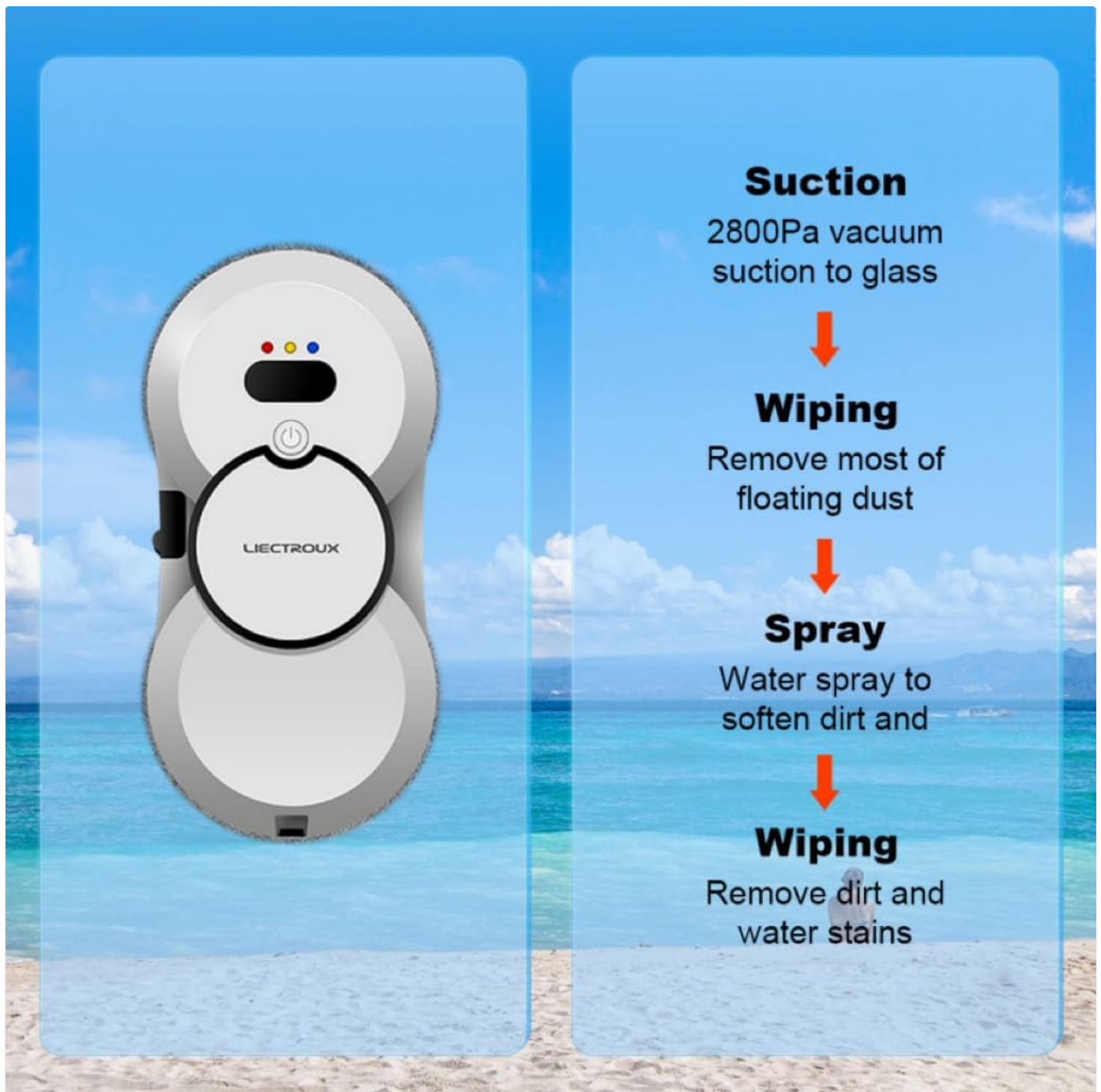


Figure 7: The cleaning cycle involves initial suction, wiping to remove loose dust, water spray to loosen stubborn dirt, and final wiping for a streak-free finish.

1. **Suction:** The robot creates a strong vacuum to adhere to the glass surface.
2. **Initial Wiping:** The microfiber cloths remove most floating dust and loose particles.
3. **Spray:** Ultrasonic water spray is applied to soften dirt and stains.
4. **Final Wiping:** The cloths then remove the softened dirt and water stains, leaving the surface clean.

5. Ending Operation

Once cleaning is complete, the robot will return to its starting position or stop. Press the power button to release the suction and carefully remove the robot from the glass.

MAINTENANCE

1. Cleaning Microfiber Cloths

After each use, remove the microfiber cleaning cloths from the robot. They are washable and can be cleaned by hand or machine. Ensure they are completely dry before reattaching them for the next use.

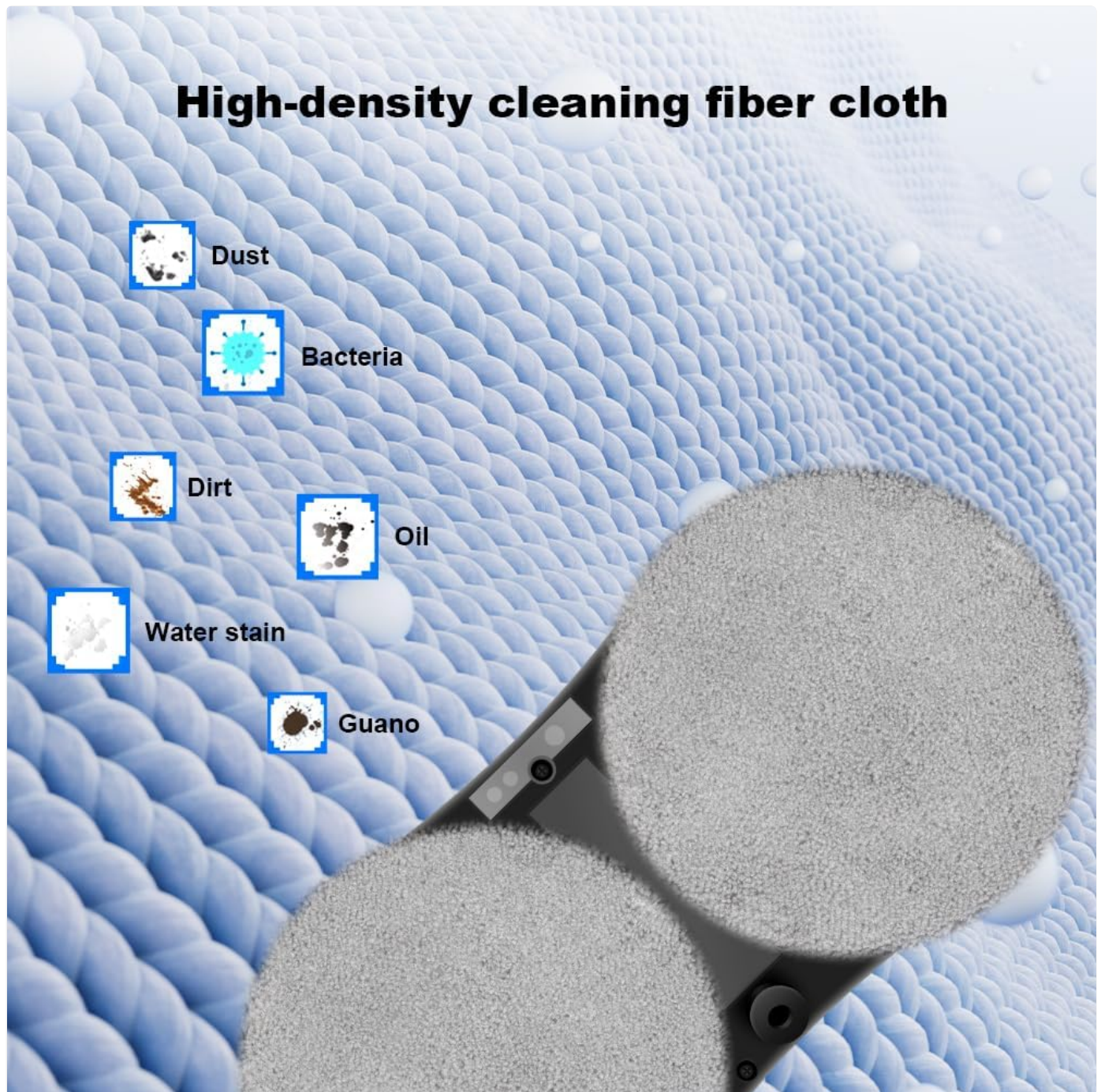


Figure 8: The high-density cleaning fiber cloth is effective against various contaminants including dust, bacteria, dirt, oil, water stains, and guano.

2. Cleaning the Robot Body

Wipe the robot's body with a soft, damp cloth. Do not use abrasive cleaners or immerse the robot in water.

3. Water Tank Maintenance

Empty any remaining cleaning solution from the water tank after use. Rinse the tank with clean water periodically to prevent residue buildup.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not adhere to glass.	Insufficient power; surface too dirty or wet; suction cups obstructed.	Ensure power cable is securely connected. Clean the glass surface and the robot's suction cups.
Robot falls during operation.	Power disconnected; safety rope not attached; extreme surface conditions.	Always keep the robot plugged in. Securely attach the safety rope. Avoid using on excessively wet or uneven surfaces.
Streaks left on glass.	Dirty cleaning cloths; incorrect cleaning solution; insufficient water spray.	Replace or clean microfiber cloths. Use appropriate window cleaning solution. Ensure water tank is filled and spray nozzle is clear.
Robot not moving or responding to remote.	Low battery in remote; obstacle detection; internal error.	Replace remote control batteries. Clear any obstacles. Restart the robot. If problem persists, contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	LIECTROUX
Model Name	HCR-10
Color	White
Product Dimensions (L x W x H)	29.5 x 14.5 x 6.8 cm
Noise Level	65 dB
Power Source	Electric Cord (Wired)
Suction Power	2800 Pa
Vertical Pull	8500 g
Water Tank Capacity	30 ml
UPS Battery Backup	25 minutes (absorption protection)
Safety Rope Length	4 m
Adapter Cord Length	5.2 m

Japan-made brush-less motor

2800_{pa}
Vacuum suction

8500_g
Vertical pull

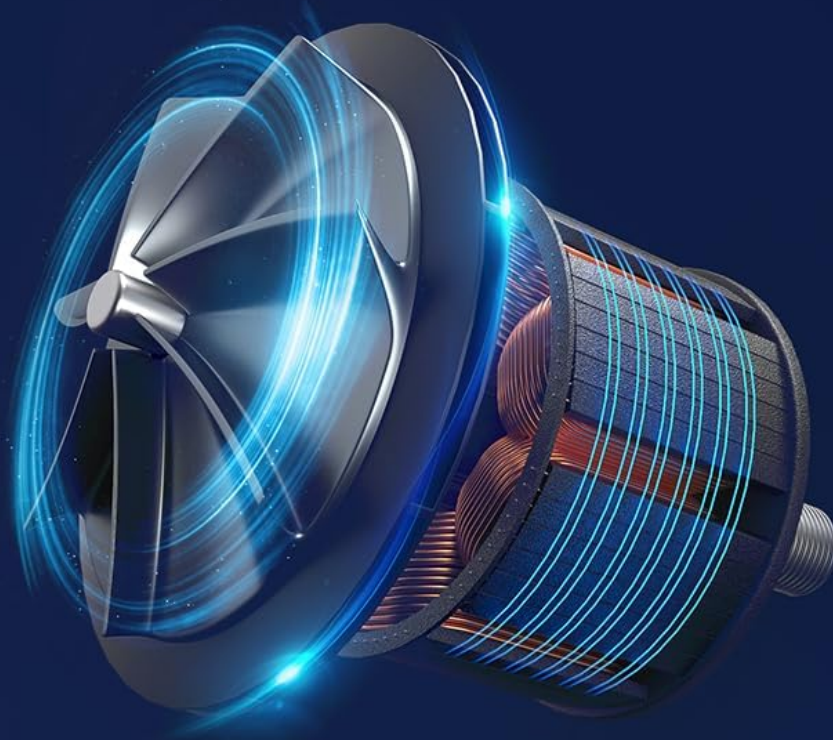


Figure 9: The high-performance Japan-made brushless motor provides strong vacuum suction and vertical pull.

Applicable for a variety of surfaces / environments



Figure 10: The LIECTROUX HCR-10 is applicable for a variety of surfaces and environments.

WARRANTY AND SUPPORT

Specific warranty details for the LIECTROUX HCR-10 Electric Window Cleaning Robot are not provided in the product information. Please refer to the warranty card included in your product packaging or contact LIECTROUX customer support directly for warranty information and service.

For technical support, troubleshooting assistance, or spare parts inquiries, please contact the manufacturer's customer service. Contact information can typically be found on the product packaging or the official LIECTROUX website.