

LIECTROUX S11

Liectroux S11 Robotic Window Cleaner User Manual

Model: S11 | Brand: LIECTROUX

1. INTRODUCTION

Thank you for choosing the Liectroux S11 Robotic Window Cleaner. This device is designed to provide efficient and convenient cleaning for various smooth surfaces, including windows, mirrors, and tiles. Please read this manual thoroughly before operating the robot to ensure safe and optimal performance. Keep this manual for future reference.

2. SAFETY INFORMATION

Your safety is paramount. The Liectroux S11 is equipped with multiple safety features. Always adhere to the following guidelines:

- **High Surface Adhesion:** The robot uses powerful suction to adhere to surfaces. Ensure the surface is clean and dry before operation to maximize adhesion.
- **Anti-Fall Safety System:** The S11 features a four-fold fall protection system:
 - A high-strength safety rope (similar to mountaineering ropes) must always be attached and secured to a stable anchor point.
 - A backup battery provides up to 30 minutes of power in case of a main power outage, allowing you to retrieve the robot safely.
 - Anti-fall sensors detect edges and prevent the robot from falling.
 - Strong suction power maintains adherence.
- **Power Connection:** The robot must always be connected to a power outlet during operation. The internal battery is for backup only.

- **Surface Suitability:** Use only on smooth, non-porous surfaces. Do not use on cracked, uneven, or excessively dirty surfaces.
- **Obstacle Detection:** Smart sensors detect obstacles. However, ensure the cleaning path is clear of large obstructions.
- **Bivolt Compatibility:** The device is Bivolt (110V/220V compatible). Use with appropriate power outlets.

Proteção contra queda de energia de 30 minutos

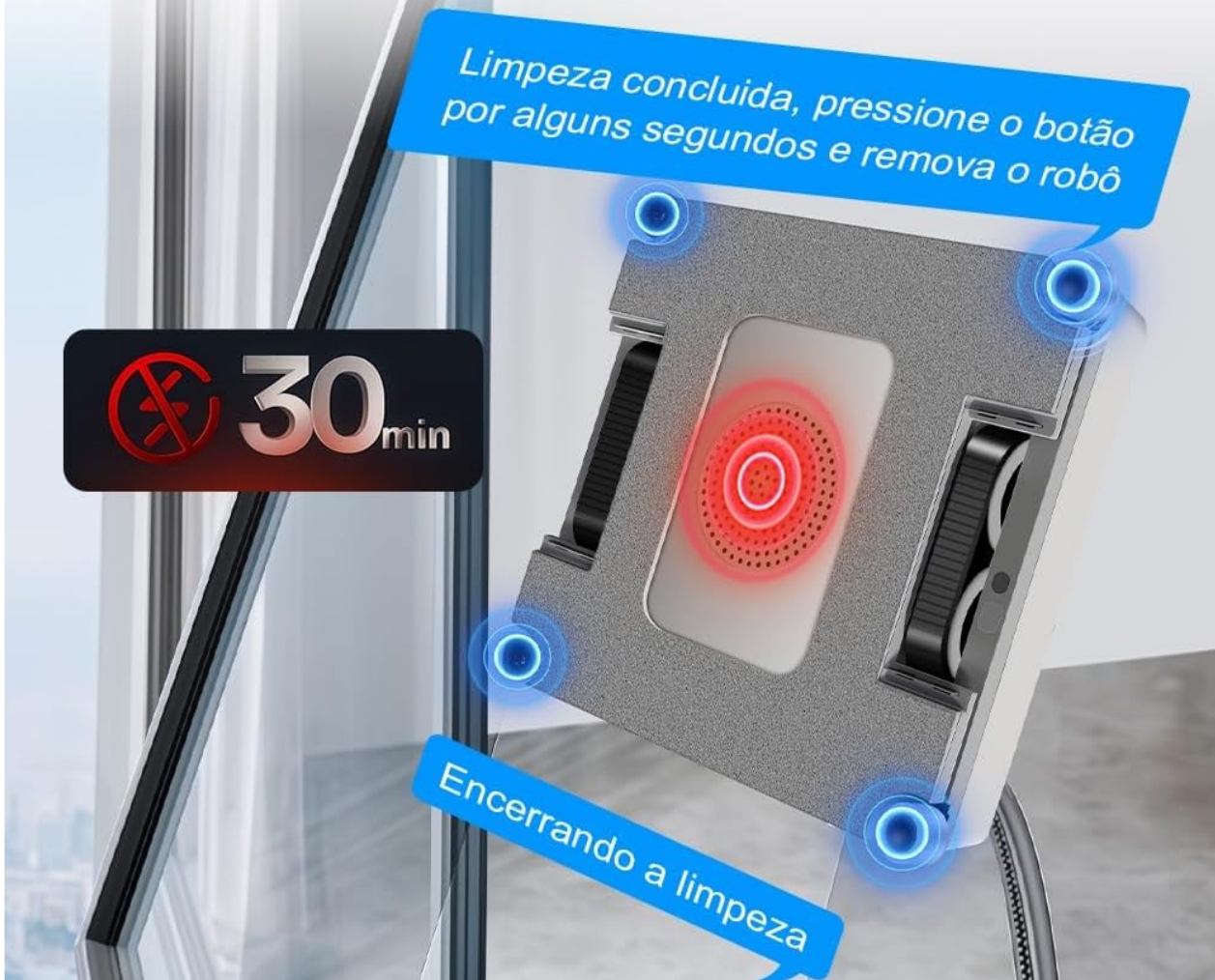


Image: The Liectroux S11 robot illustrating its 30-minute power loss protection feature, showing a red indicator light on its base.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present:

- 1 x Liectroux S11 Robotic Window Cleaner
- 1 x Power Adapter
- 1 x AC Power Cable
- 1 x Safety Rope
- 2 x Cleaning Mops (pairs)
- 1 x Remote Control

- 1 x Water Bottle
- 1 x User Manual (in Portuguese, refer to this English version)

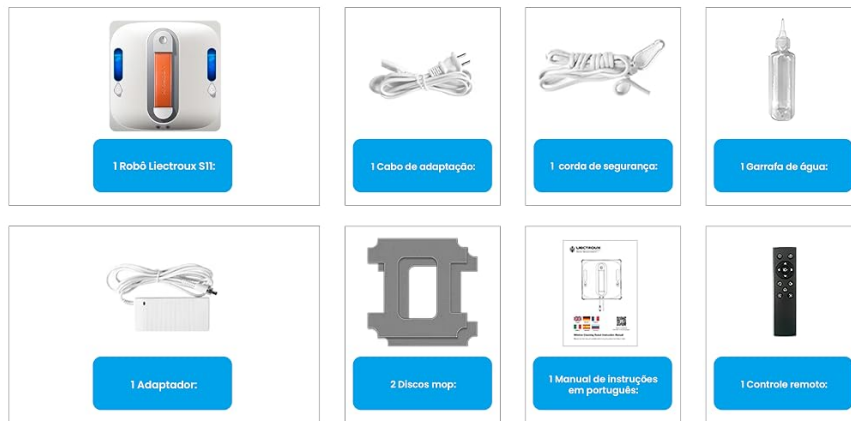


Image: Visual representation of all items included in the Liectroux S11 product box.

4. PRODUCT FEATURES

The Liectroux S11 is designed with advanced features for superior cleaning:

- **Dual Water Tank & Four Sprays:** Equipped with two water tanks and four spray nozzles, it efficiently dissolves and softens dirt, covering large areas without constant refilling.
- **Multiple Surface Cleaning:** Ideal for various smooth surfaces including windows, glass doors, shower enclosures, smooth facades, and mirrors (with or without frames).
- **Smart Sensors:** Detects obstacles, corners, and irregularities, adjusting its cleaning path in real-time to prevent collisions and falls.
- **Mimics Manual Cleaning:** Reproduces precise movements for deep and uniform cleaning results.

Limpeza completa da casa, em diferentes superfícies



Image: The Liectroux S11 demonstrating its ability to clean multiple surfaces including windows, mirrors, and tiles.

5. SETUP

1. **Charge the Battery:** Before first use, fully charge the internal backup battery. Connect the power adapter to the robot and a power outlet. The indicator light will show charging status.
2. **Attach Cleaning Pads:** Securely attach the clean microfiber cleaning pads to the bottom of the robot. Ensure they are properly aligned.
3. **Fill Water Tanks:** Open the water tank caps and fill with clean water or a suitable window cleaning solution using the provided water bottle. Close the caps tightly.
4. **Connect Safety Rope:** Attach one end of the safety rope to the robot and the other end to a sturdy, immovable object (e.g., a heavy piece of furniture, a window frame anchor). Ensure the rope is taut but allows the robot to move freely across the desired cleaning area.
5. **Connect Power:** Plug the power adapter into the robot and then into a 110V or 220V power outlet. The robot requires continuous power during operation.

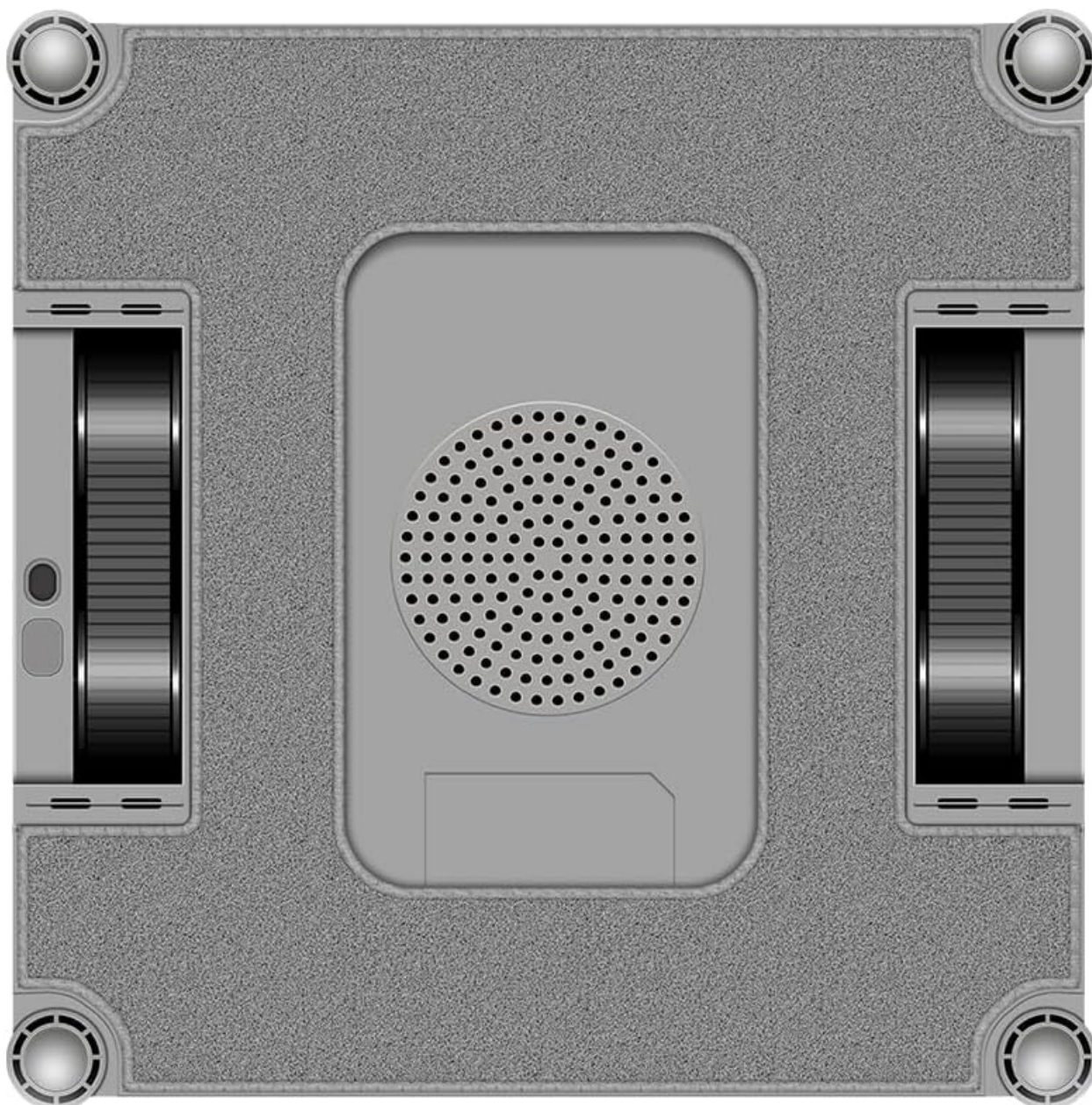


Image: Underside of the Liectroux S11, showing where cleaning pads are attached.

6. OPERATING INSTRUCTIONS

The Liectroux S11 can be controlled via its smart app or the included remote control.

6.1. Initial Placement

Place the robot on the desired cleaning surface, ensuring it is flat against the glass. Press the power button on the robot or the remote control to activate suction. The robot will firmly adhere to the surface.

6.2. Cleaning Modes and Trajectories

Choose from various cleaning modes and trajectories:

- **N-Mode:** Vertical cleaning for uniform coverage.
- **Z-Mode:** Horizontal cleaning for larger areas.
- **Corner Cleaning:** Specific mode for precise edge and corner cleaning.
- **Deep Cleaning:** For heavily soiled areas.
- **Manual/Automatic Spraying:** Control water spray as needed.



Image: Illustration of the Liectroux S11's intelligent cleaning paths, including N-mode, Z-mode, spot cleaning, and corner cleaning.

6.3. App Control

Download the Liectroux app from your smartphone's app store. Pair your device with the robot via Bluetooth or Wi-Fi (refer to app instructions for specific pairing steps). The app allows for:

- Automatic cleaning initiation.
- Automatic spray control.
- Scheduled cleaning.
- Manual spray control.

Controle total pelo aplicativo



Image: The Liectroux S11 being controlled via its dedicated smartphone application, showing various control options.

6.4. Remote Control

Use the included remote control to start, stop, change modes, and manually control the robot's movement and spray functions.



Image: The Liectroux S11 robot, remote control, and smartphone app for comprehensive control.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Liectroux S11.

- **Clean Cleaning Pads:** After each use, remove and wash the microfiber cleaning pads. Allow them to air dry completely before reattaching.
- **Refill Water Tanks:** Ensure water tanks are refilled as needed. Use clean water or recommended cleaning solution.
- **Clean Sensors:** Periodically wipe the sensors on the robot's edges with a soft, dry cloth to ensure accurate obstacle detection.

- **Store Properly:** When not in use, store the robot in a clean, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Here are some common issues and their solutions:

- **Robot not adhering:**
 - Ensure the surface is clean and dry.
 - Check if the cleaning pads are properly attached and not overly wet.
 - Verify the power cable is securely connected.
- **Poor cleaning performance:**
 - Replace or clean the microfiber pads.
 - Refill water tanks with appropriate cleaning solution.
 - Ensure the surface is not excessively dirty; pre-clean if necessary.
- **Robot stops unexpectedly:**
 - Check for power interruptions. The backup battery will activate for up to 30 minutes.
 - Ensure no obstacles are blocking its path.
 - Verify sensors are clean.
- **Remote control or app not working:**
 - Replace remote control batteries.
 - Ensure the robot is powered on and within range.
 - For app control, check Bluetooth/Wi-Fi connection and app permissions.

1

O robô limpa com água?

Sim, ele efetua a pulverização da água durante a limpeza de forma automática.

2

Qual o alcance do robô limpa vidros?

O alcance total dos cabos é de 4 metros.

3

Qual a capacidade do reservatório de água?

Cada reservatório tem 50ml, garantindo uma limpeza mais completa.

4

Que tipos de superfícies ele limpa?

Alguns exemplos são vidros, espelhos e azulejos.

5

Funciona em vidros com película ou proteção solar?

Sim, desde que a película seja lisa e aderida corretamente à superfície.

6

Tem aplicativo?

Sim, pode ser controlado via App ou controle remoto (incluso).

7

Qual o poder de sucção?

8.000 Pa.

8

Como ele fica seguro no vidro?

Funciona a vácuo e precisa estar sempre conectada na tomada.

9

Tem bateria?

Possui uma bateria interna de 500mAh que funciona como reserva em caso de queda de energia.



Image: Frequently Asked Questions (FAQ) for the Liectroux S11, providing quick answers to common user queries.

9. SPECIFICATIONS

Attribute	Detail
Brand	LIECTROUX

Model	S11
Color	WHITE
Product Dimensions (L x W x H)	35.1 x 29.9 x 12.2 cm
Product Weight	2.92 kg
Power Input	Bivolt (110V/220V)
Backup Battery Duration	Up to 30 minutes
Water Tank Capacity	Dual tanks, 50ml each (total 100ml)

1

Dimensões do item C x L x A
24,5 x 24,5 x 8,1 cm

2

Peso do item
1,6 kg



Image: Dimensions and weight details for the Liectroux S11 robot.

10. WARRANTY AND SUPPORT

The Liectroux S11 Robotic Window Cleaner comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact the seller directly. Extended warranty plans may be available for purchase separately.

For technical support, troubleshooting assistance, or spare parts, please contact Liectroux customer service or the authorized reseller from whom you purchased the product. Keep your purchase receipt and product serial number handy when contacting support.