

## LIECTROUX M7S PRO

# LIECTROUX M7S Pro Robot Vacuum Cleaner User Manual

Model: M7S Pro

## 1. INTRODUCTION

Thank you for purchasing the LIECTROUX M7S Pro Robot Vacuum Cleaner. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product and retain it for future reference.

### Safety Instructions

- Ensure the robot is fully charged before first use.
- Do not operate the robot in wet environments or near liquids.
- Keep loose cables, curtains, and small objects out of the robot's path to prevent entanglement.
- Supervise children and pets when the robot is operating.
- Do not use the robot to pick up large debris, sharp objects, or burning materials.
- Only use the original charging dock and power adapter provided with the robot.
- Turn off the robot and unplug it from the charging dock before performing any maintenance.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- LIECTROUX M7S Pro Robot Vacuum Cleaner
- Charging Dock
- Power Adapter
- Side Brushes (set)
- HEPA Filter (pre-installed or spare)
- Cleaning Tool
- Remote Control
- User Manual

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your LIECTROUX M7S Pro robot vacuum cleaner.



**Figure 3.1:** The LIECTROUX M7S Pro robot vacuum cleaner, showcasing its sleek black design, along with its remote control and a smartphone displaying the cleaning map via the app.

#### Main Components:

- **Top Panel:** Power button, Wi-Fi indicator, charging indicator.
- **Front Bumper:** Obstacle detection sensors.
- **Side Brushes:** Collect dust and debris from edges and corners.
- **Driving Wheels:** Allow movement across various floor types.
- **Dustbin:** Collects dry debris.
- **Water Tank (for mopping):** Holds water for wet cleaning.
- **Charging Contacts:** Connects with the charging dock.
- **Cliff Sensors:** Detects drops and prevents falls.

## 4. SETUP

### 4.1 Charging Dock Placement

Place the charging dock against a wall in an open area, ensuring there are no obstacles within 1 meter (3 feet) to the sides and 2 meters (6 feet) in front of the dock. Connect the power adapter to the charging dock and plug it into a power outlet.

### 4.2 Initial Charging

Place the robot onto the charging dock, ensuring the charging contacts align. The robot will begin charging automatically. For first use, allow the robot to charge completely (approximately 4-5 hours) before operation.



**Figure 4.1:** The robot vacuum cleaner automatically returning to its charging dock when its battery is low, ensuring it is always ready for the next cleaning cycle.

### 4.3 App Connection (TUYA App)

1. Download the "TUYA Smart" app from your smartphone's app store (iOS or Android).
2. Register or log in to your TUYA account.

3. Ensure your robot is charged and powered on.
4. Follow the in-app instructions to add your LIECTROUX M7S Pro robot vacuum cleaner. This typically involves pressing and holding a button on the robot to enter pairing mode and connecting to your home Wi-Fi network.
5. Once connected, you can control the robot, view cleaning maps, and set schedules via the app.

#### 4.4 Voice Assistant Integration

The LIECTROUX M7S Pro supports voice control via Amazon Alexa and Google Home. Refer to the respective app (Alexa app or Google Home app) for instructions on how to link your TUYA Smart account and control your robot with voice commands.



**Figure 4.2:** Various control methods for the robot vacuum, including a physical remote control, the TUYA smartphone application displaying a cleaning map, and integration with voice assistants like Google Assistant and Amazon Alexa.

## 5. OPERATING INSTRUCTIONS



## 5.1 Cleaning Modes

The robot offers multiple cleaning modes to suit different needs, accessible via the app, remote control, or voice commands:

- **Automatic Cleaning:** The robot intelligently navigates and cleans the entire floor area.
- **Spot Cleaning:** Focuses on a specific dirty area, cleaning in a spiral pattern.
- **Edge Cleaning:** Cleans along walls and furniture edges.
- **Mopping Mode:** For wet cleaning, attach the water tank and mopping cloth.

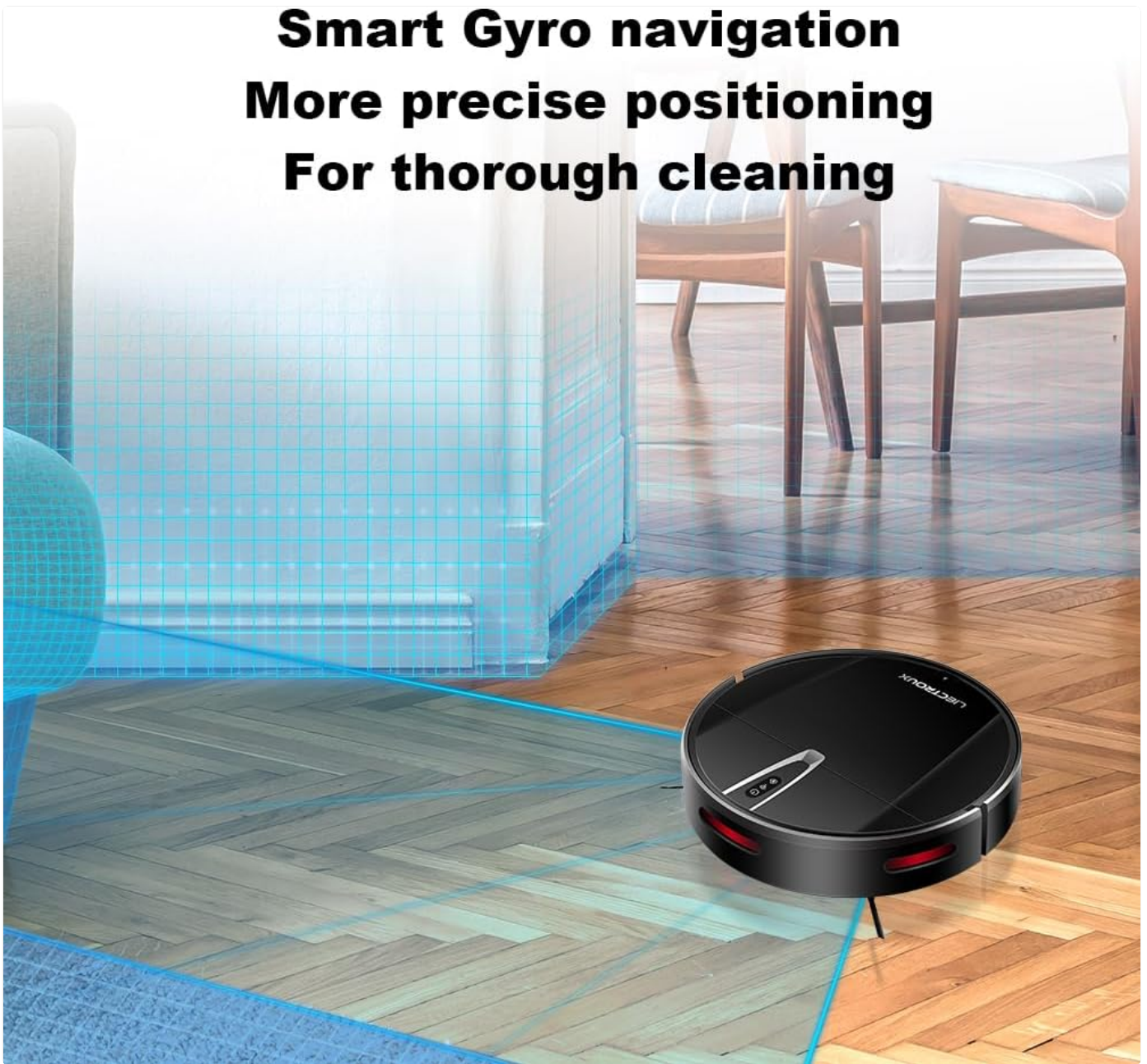


**Figure 5.1:** The robot vacuum cleaner operating on a floor with scattered debris, illustrating its powerful suction and various cleaning modes: Scheduled Cleaning, Auto Cleaning, Edge Cleaning, and Spot Cleaning.

## 5.2 Navigation and Mapping

The M7S Pro utilizes smart gyroscope navigation to create a 2D map of your environment, allowing for precise positioning and efficient route planning. This ensures comprehensive coverage and minimizes missed spots.

# **Smart Gyro navigation More precise positioning For thorough cleaning**



**Figure 5.2:** The robot vacuum cleaner navigating a room, with a grid overlay illustrating its smart gyroscope navigation system for precise positioning and thorough cleaning.



# Gyroscope Navigation Intelligent Route Planning



**Figure 5.3:** A visual comparison showing the efficient, systematic cleaning path generated by the LIECTROUX M7S Pro's gyroscope navigation versus a less organized common route planning method, highlighting intelligent route planning.

## 5.3 Automatic Recharging

When the battery level is low or a cleaning task is complete, the robot will automatically return to its charging dock to recharge. Ensure the charging dock is always powered on and accessible.

## 5.4 Anti-Drop System

The robot is equipped with cliff sensors to detect stairs and elevated surfaces, preventing it from falling. It also intelligently detects different floor types and adjusts its direction within 10 milliseconds.

## 6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your robot vacuum cleaner.

### 6.1 Emptying the Dustbin

Empty the dustbin after each cleaning cycle or when the 'full' indicator appears. Open the top cover, remove the dustbin, and dispose of the collected debris.

## **6.2 Cleaning the Filter**

The HEPA filter should be cleaned regularly (e.g., weekly) using the provided cleaning tool or a soft brush. Replace the HEPA filter every 3-6 months, depending on usage, to maintain suction efficiency.

## **6.3 Cleaning Side Brushes**

Inspect and clean the side brushes regularly. Remove any tangled hair or debris. If brushes are worn or damaged, replace them with new ones.

## **6.4 Cleaning Sensors and Charging Contacts**

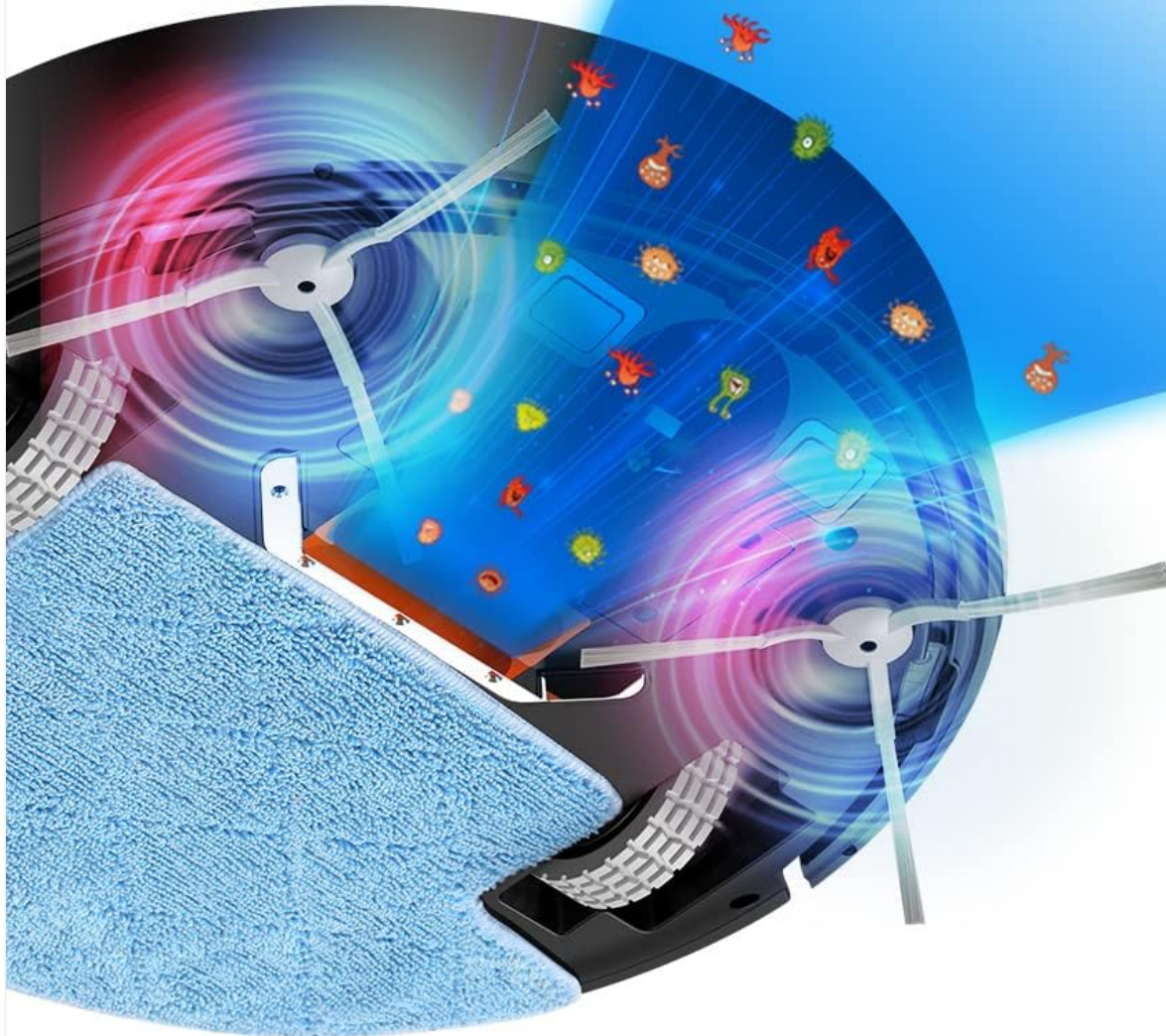
Wipe the cliff sensors and charging contacts on both the robot and the charging dock with a clean, dry cloth to ensure proper function and charging.

## **6.5 Brush-less Suction Nozzle**

The M7S Pro features an advanced brush-less suction nozzle designed to minimize hair entanglement, reducing the frequency of cleaning the main suction path.



## Advanced brush-less suction nozzle to avoid it from being entangled by hairs



**Figure 6.1:** An illustration of the robot vacuum's underside, highlighting the advanced brush-less suction nozzle designed to prevent hair entanglement and ensure consistent cleaning performance.

## 7. TROUBLESHOOTING

If you encounter issues with your robot vacuum, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; power switch off.	Charge the robot; ensure the main power switch is on.

Problem	Possible Cause	Solution
Robot does not charge.	Charging contacts dirty; charging dock not powered.	Clean charging contacts; ensure charging dock is plugged in.
Robot gets stuck frequently.	Obstacles (cables, rugs); narrow spaces.	Clear the cleaning area; use virtual walls if available.
Poor cleaning performance.	Dustbin full; filter clogged; brushes tangled.	Empty dustbin; clean/replace filter; clean brushes.
App connection issues.	Incorrect Wi-Fi password; robot not in pairing mode; 5GHz Wi-Fi network.	Verify Wi-Fi details; re-enter pairing mode; ensure 2.4GHz Wi-Fi is used.

## 8. SPECIFICATIONS

Feature	Detail
Brand	LIECTROUX
Model Name	M7S PRO
Color	Black
Product Dimensions	32L x 32W x 7.8H cm
Item Weight	4 Kilograms
Max Suction Power	4000Pa
Battery Capacity	2500mAh Lithium-ion
Runtime	Up to 120 minutes
Filter Type	HEPA
Controller Type	App Control, Touchpad Control, Voice Control
Voice Assistant Compatibility	Google Home, Amazon Alexa

Feature	Detail
Navigation Type	Gyroscope Navigation (2D Map)
Special Feature	Anti-drop system, Brush-less suction nozzle
Surface Recommendation	Low-pile carpet, hard floors, ceramic tiles

## 9. WARRANTY AND SUPPORT


The LIECTROUX M7S Pro Robot Vacuum Cleaner comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions, including the warranty period and coverage details.

For technical support, troubleshooting assistance, or warranty claims, please contact the seller or LIECTROUX customer service. Contact information can typically be found on the product packaging, the seller's website, or within the TUYA Smart app.

When contacting support, please have your product model number (M7S Pro) and purchase details readily available.



### Related Documents - M7S PRO

	<a href="#">Lietroux C30B Robot Vacuum Cleaner Instruction Manual</a> Comprehensive instruction manual for the Lietroux C30B Robot Vacuum Cleaner, covering setup, operation, app control, maintenance, troubleshooting, and specifications. Learn how to use your robot vacuum for efficient cleaning.
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[Liectroux B6009 Robot Vacuum Cleaner User Manual](#)

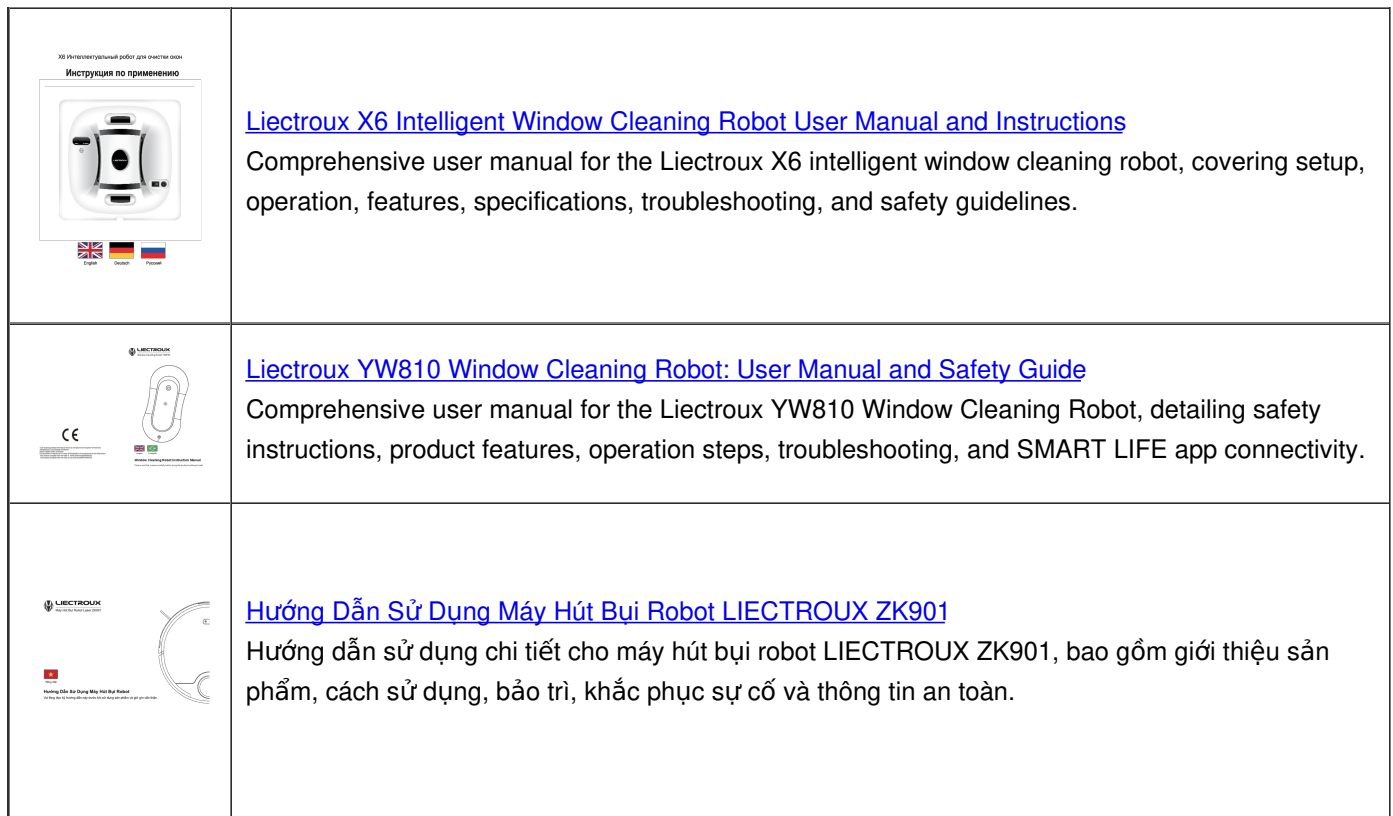
Comprehensive user manual for the Liectroux B6009 robot vacuum cleaner, detailing safety instructions, product features, assembly, operation, and troubleshooting. Includes specifications and guidance for optimal use.



[Liectroux i7 Pro Smart Vacuum Cleaner: User Manual and Operation Guide](#)

Comprehensive user manual for the Liectroux i7 Pro Smart Vacuum Cleaner, covering setup, operation, maintenance, specifications, and troubleshooting. Learn how to use your wet dry vacuum for efficient floor cleaning.





## Documents - LIECTROUX – M7S PRO

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## Indice de Réparabilité LIECTROUX XR500, M7S Pro, X6

Fiche d'information sur le calcul de l'indice de réparabilité pour les aspirateurs robots  
LIECTROUX modèles XR500, M7S Pro, X6, incluant les critères d'évaluation et le  
score final.

lang:fr score:30 filesize: 140.96 K page\_count: 1 document date: 2024-01-25

