

Lefant Lefant LS1 Robot aspirador

Lefant Robot Vacuum and Mop LS1 User Manual

Model: Lefant LS1 Robot aspirador

INTRODUCTION

This user manual provides comprehensive instructions for the operation, maintenance, and troubleshooting of your Lefant Robot Vacuum and Mop, model LS1. Designed for efficient floor cleaning, this device features LiDAR navigation, powerful suction, and smart app control. Please read this manual thoroughly before using the product to ensure safe and optimal performance.

WHAT'S IN THE BOX

Upon unboxing, verify that all components are present:

- LS1 Robot Vacuum (1 unit)
- Charging Dock (1 unit)
- Power Adapter (1 unit)
- 520 ml Large Dust Box (1 unit)
- HEPA Filters (2 units)
- Side Brushes (4 units)
- User Manual (1 unit)



Image: The Lefant LS1 Robot Vacuum and Mop, showcasing its sleek black design and the accompanying mobile application interface.

Your browser does not support the video tag.

Video: An unboxing demonstration of the Lefant LS1 Pro Robot Vacuum, showing all included components and initial setup steps.

SETUP

- 1. Charging Dock Placement:** Place the charging dock against a wall in an open, uncluttered area. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides and 1.5 meters (4.9 feet) in front of the dock. Connect the power adapter to the dock and plug it into a power outlet.
- 2. Initial Charging:** Place the robot vacuum onto the charging dock. Ensure the charging contacts on the robot align with those on the dock. The robot will begin charging automatically. For first use, fully charge the robot (approximately 4-5 hours).
- 3. Install Side Brushes:** Turn the robot over. Press the side brushes onto the square posts until they click into place.

4. **Install Dust Box and Filter:** Open the dust box compartment on the robot. Ensure the HEPA filter is properly seated inside the dust box. Insert the dust box back into the robot until it clicks securely.
5. **App Connection:** Download the Lefant APP from your mobile app store. Ensure your Wi-Fi network is 2.4GHz (5GHz WLAN is not supported). Follow the in-app instructions to connect your robot vacuum to the app. This will enable advanced features like real-time mapping, cleaning schedules, and no-go zones.

OPERATING INSTRUCTIONS

Navigation and Mapping

The Lefant LS1 utilizes advanced LiDAR navigation and AI algorithms to create a real-time map of your home, ensuring precise positioning and efficient cleaning paths.

Freemove 3.0 + LDS Navigation



Image: The Lefant LS1 demonstrating its Freemove 3.0 and LDS Navigation technology, showing laser mapping capabilities.

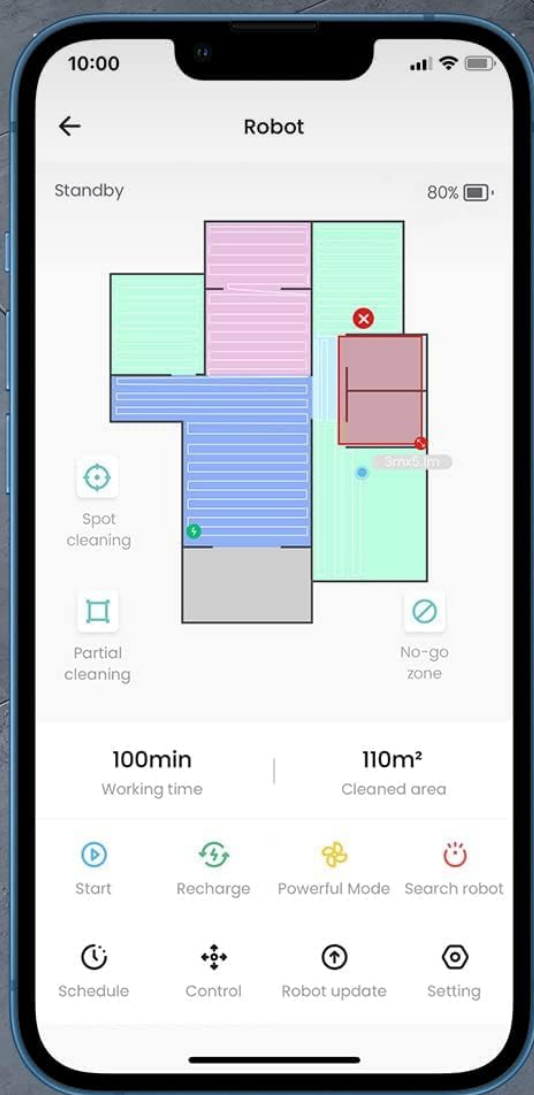
Cleaning Modes

The robot offers four distinct cleaning modes accessible via the Lefant APP:

- **Scheduled Cleaning:** Set specific times for the robot to automatically clean.
- **Zoned Cleaning:** Select specific areas on the app's map for the robot to clean.
- **Spot Cleaning:** Direct the robot to clean a concentrated area of dirt.

- **Manual Remote Control:** Manually control the robot's movement using the app.

Fantastic APP Control



-  Cleaning Schedules
-  Suction Control
-  Real-time Map
-  Area cleaning
-  No-Go Zone

Image: The Lefant LS1's mobile app interface, highlighting features like cleaning schedules, suction control, real-time map, area cleaning, and no-go zones.

No-Go Zones and Virtual Walls

Utilize the Lefant APP to define "No-Go Zones" or set up virtual walls on the map. This prevents the robot from entering specific areas, such as pet feeding areas or delicate spaces.

Your Family Partner

Set cleaning zone and no-go zone

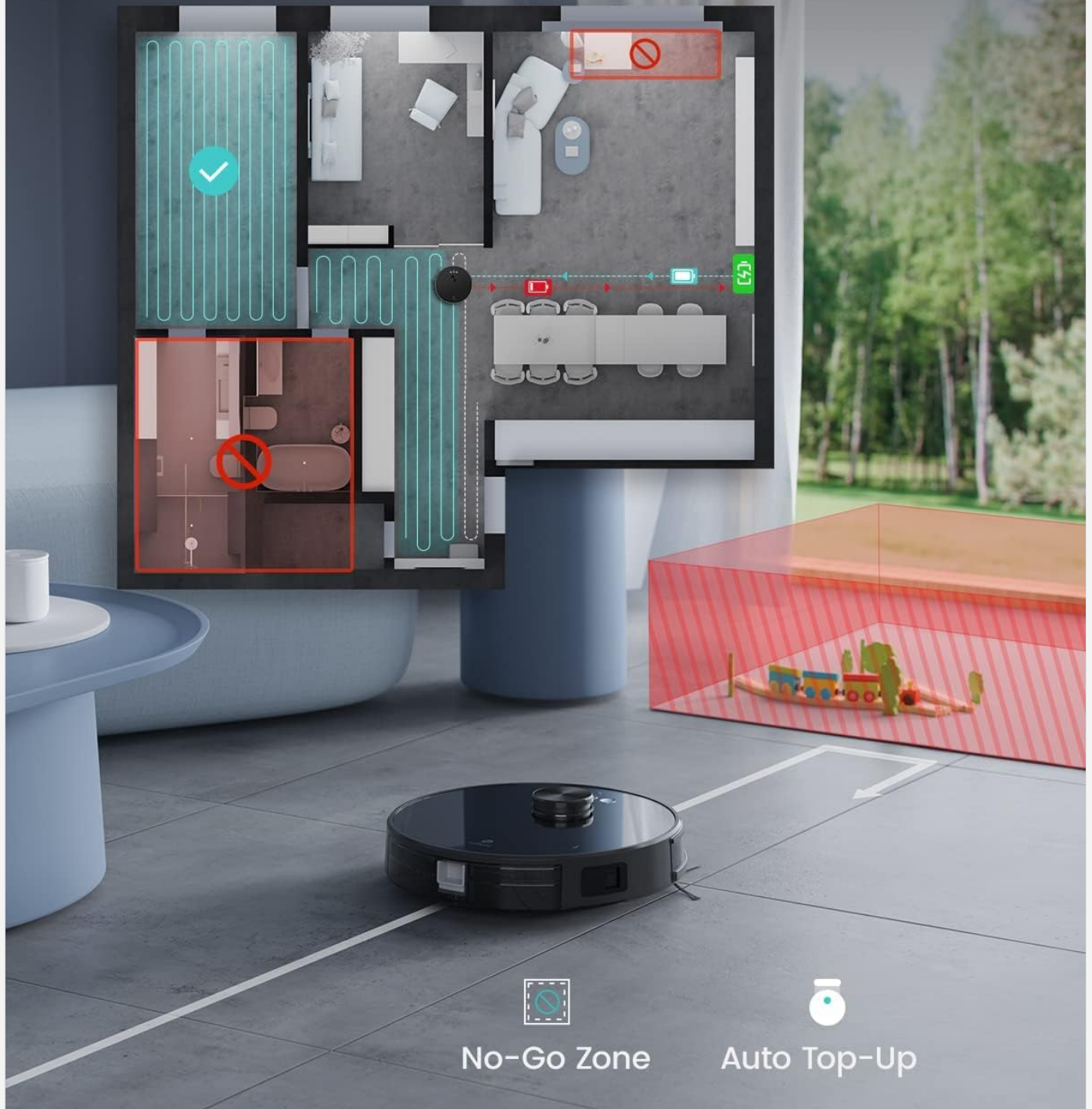


Image: The Lefant LS1 demonstrating the ability to set cleaning zones and no-go zones within the mapped environment, along with auto top-up functionality.

Voice Control and Low Noise Operation

The LS1 is compatible with Amazon Alexa and Google Assistant, allowing for convenient voice commands. Its brushless motor design ensures quiet operation, minimizing disturbance during cleaning cycles.

Voice Control

“Alexa, turn on LS1.”



Lefant APP



Amazon Alexa



Google Assistant



2.4 GHz WiFi Only

OK



Image: The Lefant LS1 showcasing its compatibility with voice control systems like Amazon Alexa and Google Assistant.



Your Family Partner

Lidar Robot Vacuum—Lefant LS1



Compatible with Alexa / Echo



Compatible with Google Assistant



Image: A graphic illustrating the low noise level of the Lefant LS1 robot vacuum compared to other household sounds, emphasizing its quiet operation.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Lefant LS1 robot vacuum.

1. **Emptying the Dust Box:** The 520ml dust box should be emptied after each cleaning cycle or when full. Press the release button to remove the dust box, open its lid, and discard collected debris.
2. **Cleaning the Filter:** Tap the HEPA filter gently to remove loose dirt. For thorough cleaning, the filter can be rinsed under running water. Ensure the filter is completely dry before reinserting it into the dust box. Replace filters every 3-6 months depending on usage.
3. **Cleaning Side Brushes:** Periodically check the side brushes for tangled hair or debris. Use a small brush or your fingers to remove any obstructions. Replace worn or damaged side brushes as needed.
4. **Cleaning Sensors:** Wipe the robot's sensors (including cliff sensors, anti-collision sensors, and charging contacts) with a clean, dry cloth. This prevents navigation errors and ensures proper charging.
5. **Cleaning the Main Brush (if applicable):** While the LS1 features a floating roller brush cover, regularly check the main suction area for any blockages or tangled debris.

**Thin and small
Be able to cover more areas**

**Volume
Reduction**

-19.8%

Industry Average



Reduction -19.8%

Image: The thin and compact design of the Lefant LS1, illustrating its ability to clean under furniture and its reduced volume compared to industry average.

TROUBLESHOOTING

If you encounter issues with your Lefant LS1, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; Power switch off; Robot stuck.	Ensure robot is fully charged. Check if the main power switch is ON. Clear any obstructions around the robot.
Poor cleaning performance.	Full dust box; Clogged filter; Worn side brushes.	Empty the dust box. Clean or replace the HEPA filter. Clean or replace side brushes.
Robot cannot find charging dock.	Dock location obstructed; Dock not powered.	Ensure charging dock is in an open area with clear space. Verify the charging dock is plugged in and powered.
App connection issues.	Incorrect Wi-Fi band; Network interference.	Confirm your Wi-Fi is 2.4GHz. Restart your router and the robot. Try re-pairing the device in the app.
Robot gets stuck frequently.	Obstacles; Uneven surfaces; Sensor issues.	Clear small obstacles. Use no-go zones for problematic areas. Clean all sensors.

SPECIFICATIONS

Brand: Lefant

Model Name: Lefant robot vacuum LS1

Product Dimensions: 12.6"L x 12.6"W x 3.7"H

Color: Black

Special Feature: Bagless

Battery Life: 150 minutes

Dust Box Capacity: 520 Milliliters

Power Source: Battery Powered

Control Method: App

Compatible Devices: Amazon Echo

Item Weight: 9.08 pounds

Batteries: 4 Lithium Ion batteries (included)

WARRANTY AND SUPPORT

Your Lefant LS1 Robot Vacuum comes with a worry-free **12-month warranty**. Additionally, you are entitled to **lifetime free online software upgrades**.

For technical support, warranty claims, or further assistance, please contact Lefant Customer Service through the official Lefant APP or visit the Lefant website for contact information. Please have your product model number and purchase details ready when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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