

Lefant M310 Ultra White

Lefant M310 Ultra Robot Vacuum Cleaner with Mop

User Instruction Manual

1. IMPORTANT SAFETY INFORMATION

Please read this manual carefully before using the Lefant M310 Ultra Robot Vacuum Cleaner. Keep it for future reference.

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Only use the original power adapter provided by the manufacturer.
- Do not use the robot in wet environments or near water sources.
- Remove any loose cables, small objects, or fragile items from the cleaning path before operation to prevent entanglement or damage.
- Do not operate the robot if it is damaged or malfunctioning. Contact customer support.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- Lefant M310 Ultra Robot Vacuum Cleaner
- Charging Dock
- Power Adapter

- Dustbin (500ml)
- Water Tank (200ml)
- Mop Pad
- Side Brushes (2x)
- User Manual



Image: Lefant M310 Ultra Robot Vacuum Cleaner and included accessories.

3. PRODUCT OVERVIEW

Robot Components

- **Main Body:** Houses the motor, dustbin, water tank, and navigation system.
- **Power Button:** Located on the top for manual control.
- **ToF Laser Navigation Sensor:** For accurate mapping and efficient cleaning paths.
- **190° PSD Obstacle Avoidance Sensors:** Detects and avoids obstacles.

- **Side Brushes:** Collect debris from edges and corners.
- **Vacuum Inlet:** Designed to reduce hair tangling.
- **Charging Contacts:** For automatic recharging on the dock.

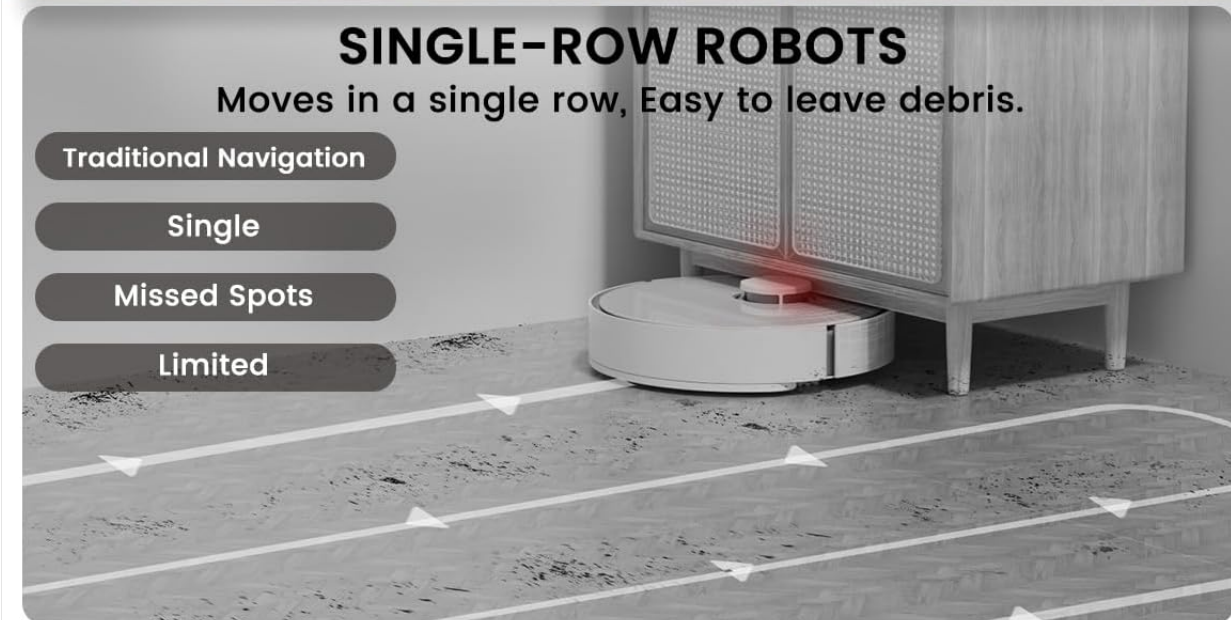


Image: ToF Laser Navigation in action, showing precise cleaning path.

Precision Obstacle Recognition and Evasion

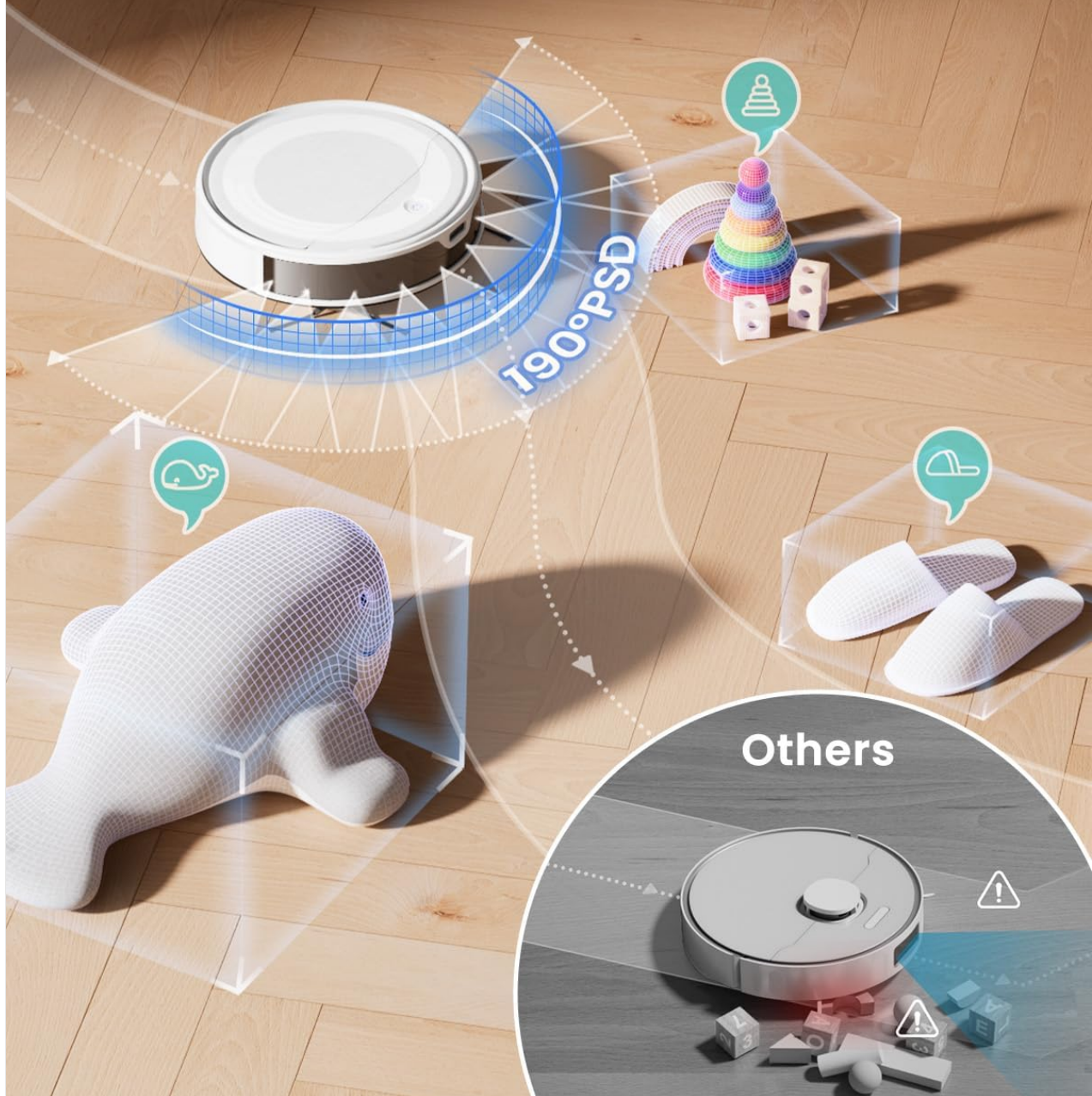


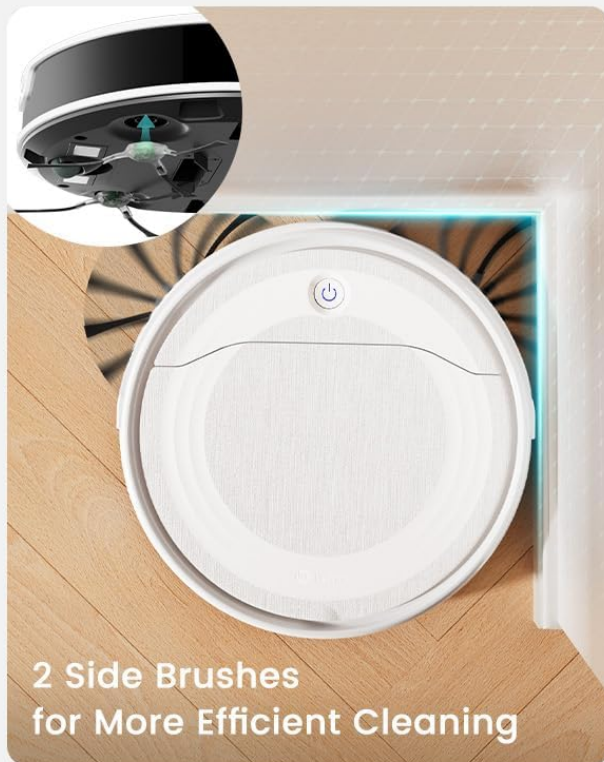
Image: Precision Obstacle Recognition and Evasion with 190° PSD technology.

4. SETUP GUIDE

4.1 Unpacking and Initial Preparation

1. Remove the robot and all accessories from the packaging.
2. Remove any protective films or stickers from the robot and charging dock.
3. Attach the two side brushes by pressing them onto the square posts on the bottom of the robot until they

click into place.



2 Side Brushes
for More Efficient Cleaning



170min/1829sqft
(170 min/170 m²)

2600mAh



500ml Trash Box
7 day Hand Free



Automatic Recharge

Image: Robot with two side brushes and dustbin access.

4.2 Charging the Robot

1. 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.
2. Connect the power adapter to the charging dock and plug it into a wall outlet.
3. Place the robot onto the charging dock, aligning its charging contacts with those on the dock. The indicator light on the robot will show charging status.
4. Allow the robot to fully charge before its first use (approximately 4-5 hours).

4.3 App Connection (2.4G Wi-Fi Only)

1. Download the 'Lefant' app from your mobile app store (App Store or Google Play).
2. Open the app and follow the on-screen instructions to create an account.
3. Ensure your mobile device is connected to a 2.4GHz Wi-Fi network. The M310 Ultra does not support 5GHz Wi-Fi.
4. Add your device in the app and follow the pairing instructions. This typically involves pressing and holding the robot's power button until it enters pairing mode.

App Control & Voice Control

Compatible with 2.4GHz W-Fi



Image: App Control & Voice Control setup.

5. OPERATING INSTRUCTIONS

5.1 Starting a Cleaning Cycle

- **Manual Start:** Press the power button on the robot once to start a cleaning cycle.
- **App Control:** Use the Lefant app to start, pause, or stop cleaning, select cleaning modes, and schedule cleaning times.
- **Voice Control:** If integrated with Amazon Alexa or Google Assistant, use voice commands (e.g., "Alexa, turn on the robot").

5.2 Cleaning Modes

The M310 Ultra supports various cleaning modes:

- **Vacuum-Only Mode:** For dry debris and dust.
- **Mop-Only Mode:** For light mopping with the water tank and mop pad installed.
- **Vacuum & Mop Combo Mode:** Simultaneous vacuuming and mopping.

To use mopping functions, fill the 200ml water tank with clean water and attach the mop pad. Insert the water tank into the robot.

All-in-One Vacuum, Sweep and Mop Solution

500ml Dust Box 200ml Water box



Image: All-in-One Vacuum, Sweep and Mop Solution modes.

5.3 Suction Power and Carpet Detection

- The robot features 3 adjustable suction levels, up to 6000Pa.
- It automatically boosts suction power when detecting carpets for deeper cleaning.

Effortless Carpet Cleaning

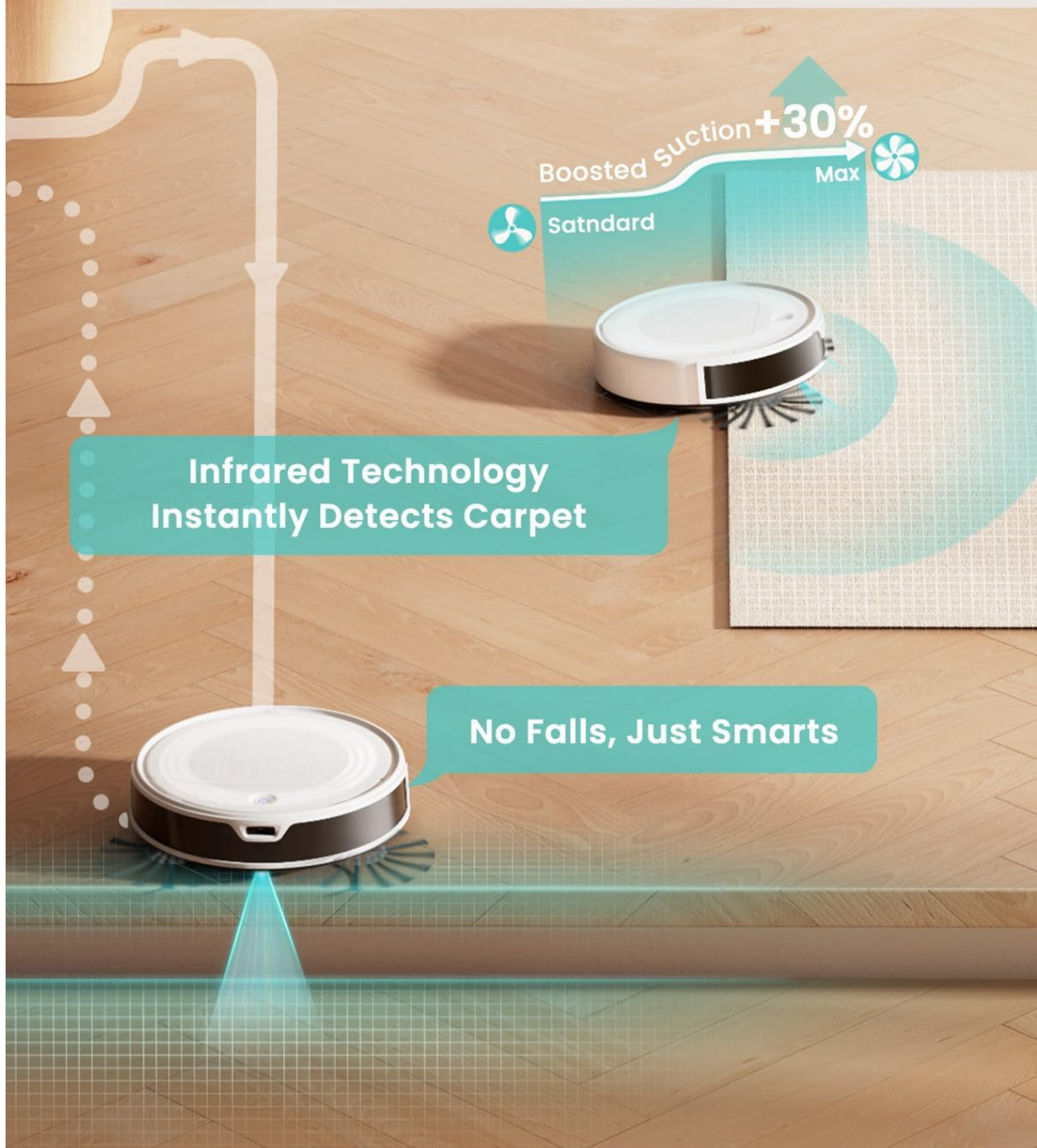


Image: Effortless Carpet Cleaning with auto-boost suction.

5.4 Automatic Recharging

When the battery level is low, the robot will automatically return to its charging dock to recharge. Ensure the charging dock remains powered on and accessible.

6. MAINTENANCE

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

6.1 Emptying the Dustbin

- Press the dustbin release button and pull out the 500ml dustbin.
- Open the dustbin cover and empty its contents into a trash can.
- It is recommended to empty the dustbin after each cleaning cycle.

6.2 Cleaning the Filter

- Remove the HAPE filter from the dustbin.
- Tap the filter gently to remove dust and debris. Do not wash the HAPE filter with water.
- Clean the pre-filter (sponge filter) with water if necessary and allow it to air dry completely before reinserting.
- Replace the HAPE filter every 3-6 months, depending on usage.

6.3 Cleaning Side Brushes

- Periodically check the side brushes for tangled hair or debris.
- Carefully pull off the side brushes.
- Remove any tangled hair or debris using a cleaning tool or scissors.
- Reattach the side brushes, ensuring they click into place.

6.4 Cleaning the Water Tank and Mop Pad

- After each mopping session, remove the water tank and empty any remaining water.
- Detach the mop pad and wash it with water. Allow it to air dry completely.
- Clean the water tank thoroughly to prevent mold or odor buildup.

6.5 Cleaning Sensors and Charging Contacts

- Wipe the anti-drop sensors (located on the bottom of the robot) and obstacle avoidance sensors (front/sides) with a clean, dry cloth.
- Clean the charging contacts on both the robot and the charging dock with a dry cloth to ensure good connection.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; Power button not pressed correctly.	Place robot on charging dock; Ensure power button is pressed firmly.
Robot does not charge.	Charging contacts dirty; Power adapter not connected.	Clean charging contacts on robot and dock; Ensure power adapter is securely plugged in.

Problem	Possible Cause	Solution
Robot cannot connect to Wi-Fi.	Incorrect Wi-Fi band (5GHz); Incorrect password; Router too far.	Ensure you are connecting to a 2.4GHz network; Re-enter password; Move robot closer to router.
Poor cleaning performance.	Dustbin full; Filter clogged; Side brushes tangled.	Empty dustbin; Clean/replace filter; Clean side brushes.
Robot gets stuck frequently.	Too many obstacles; Sensors dirty.	Clear cleaning area of loose cables and small objects; Clean all sensors.
Robot does not save maps.	This model does not support map saving.	The Lefant M310 Ultra uses real-time ToF navigation but does not save maps for future use or specific room cleaning. It will map and clean the entire accessible area each time.
Mop function not working.	Water tank empty; Mop pad not attached; Water outlet clogged.	Fill water tank; Attach mop pad correctly; Check water outlet for blockages.

8. SPECIFICATIONS

Feature	Detail
Brand	Lefant
Model Name	M310 Ultra White
Suction Power	Up to 6000Pa (3 adjustable levels)
Navigation Type	ToF Laser Navigation
Obstacle Avoidance	190° PSD Technology
Dustbin Capacity	500ml
Water Tank Capacity	200ml
Runtime	Up to 170 minutes
Noise Level	55dB (Quiet Mode)
Product Dimensions	11.02"L x 11.02"W x 3.11"H (7.9cm slim profile)
Connectivity	2.4G Wi-Fi, App Control, Voice Control (Alexa, Google Assistant)

Feature	Detail
Filter Type	HAPE
Item Weight	7.52 pounds
UPC	787480987372

9. WARRANTY AND SUPPORT

Lefant provides a limited warranty for this product. For detailed warranty information, please refer to the warranty card included in your package or visit the official Lefant website.

For technical support, troubleshooting assistance, or replacement parts, please contact Lefant Customer Service through the contact information provided in the app or on the official website.

You can also visit the [Lefant Store on Amazon](#) for more product information and support resources.