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Lefant M2L Plus

Lefant M2L Plus Robot Vacuum and Mop User Manual

Model: M2L Plus

Introduction

Thank you for choosing the Lefant M2L Plus Robot Vacuum and Mop. This device is designed to provide efficient and convenient cleaning for your home with its advanced features, including LiDAR navigation, self-emptying capabilities, and integrated vacuuming and mopping functions. Please read this manual carefully before use to ensure proper operation and maintenance.



The Lefant M2L Plus Robot Vacuum and Mop, ready for use.

1. Setup

1.1 Unboxing and Components

Carefully remove all components from the packaging. Ensure all items listed below are present.



The Lefant M2L Plus robot vacuum and its self-emptying station.

Included Components:

- Robot Vacuum
- Self-Emptying Station
- Mop Holder
- Power Cord
- User Manual
- Dust Bag (x2)
- Washable Mop Cloth
- HEPA Filter (x4)
- Disposable Dry Mop
- Cleaning Tool
- Side Brush (x2)
- Dustbin Filter Sponge (x2)

1.2 Charging Station Placement

Place the self-emptying station against a wall in an open area, ensuring there are no obstacles within 1 meter (3 feet) to the front and 0.5 meters (1.5 feet) to the sides. Connect the power cord to the station and plug it into a power outlet. Ensure the station is always powered on.

1.3 Initial Charging

Place the robot vacuum onto the charging station. The robot will automatically dock and begin charging. For optimal battery life, fully charge the robot before its first use. The indicator light on the robot will show charging status.

1.4 Connecting to the Lefant App

The Lefant App allows for advanced control and customization of your robot vacuum.

1. Download the **Lefant App** from your device's app market.
2. Open the app and add your M2L Plus robot vacuum.
3. Connect to a **2.4GHz/5GHz Wi-Fi network**. The robot supports both bands for stable connectivity.
4. Power on the robot vacuum by pressing the button.

5. Press and hold the start button for 6 seconds to enter network configuration mode.
6. Select the M2L Plus in the app and wait for the robot to pair successfully.



Visual guide for connecting the Lefant M2L Plus to the mobile application.

1.5 Initial Mapping

After connecting to the app, initiate a full cleaning cycle. The robot will use its 360° LiDAR navigation to scan and create an accurate map of your home. This map is crucial for efficient cleaning routes and customized cleaning options.



The robot vacuum utilizing LiDAR technology to map its surroundings.

2. Operating the Robot Vacuum

2.1 Cleaning Modes and Customization

The Lefant App provides extensive options for customizing your cleaning experience:

- **Cleaning Customization:** Set cleaning modes and frequencies for each room.
- **Selective Area Cleaning:** Choose specific rooms or zones to clean.
- **Zone Editing:** Split or merge rooms for personalized cleaning schedules.
- **No-Go Zones:** Define areas the robot should avoid.
- **Water Flow Adjustment:** Adjust water flow for mopping based on floor type.

- **Suction Adjustment:** Control suction power for different dirt levels.



The Lefant App offers comprehensive control over cleaning schedules and zones.

2.2 Vacuuming and Mopping

The M2L Plus offers 2-in-1 vacuuming and mopping. It features 6000 Pa strong suction for effective debris removal and a 300ml water tank for mopping. Adjust water flow via the app for different floor types.



The robot vacuum simultaneously vacuums and mops, indicated by different suction levels.

2.3 Carpet Detection and Auto Boost

The robot automatically detects carpets. When the mop holder is attached, it will avoid carpets to prevent wetting them. When the mop holder is removed, it automatically boosts suction to maximum (6000Pa) for a deeper clean on carpets.

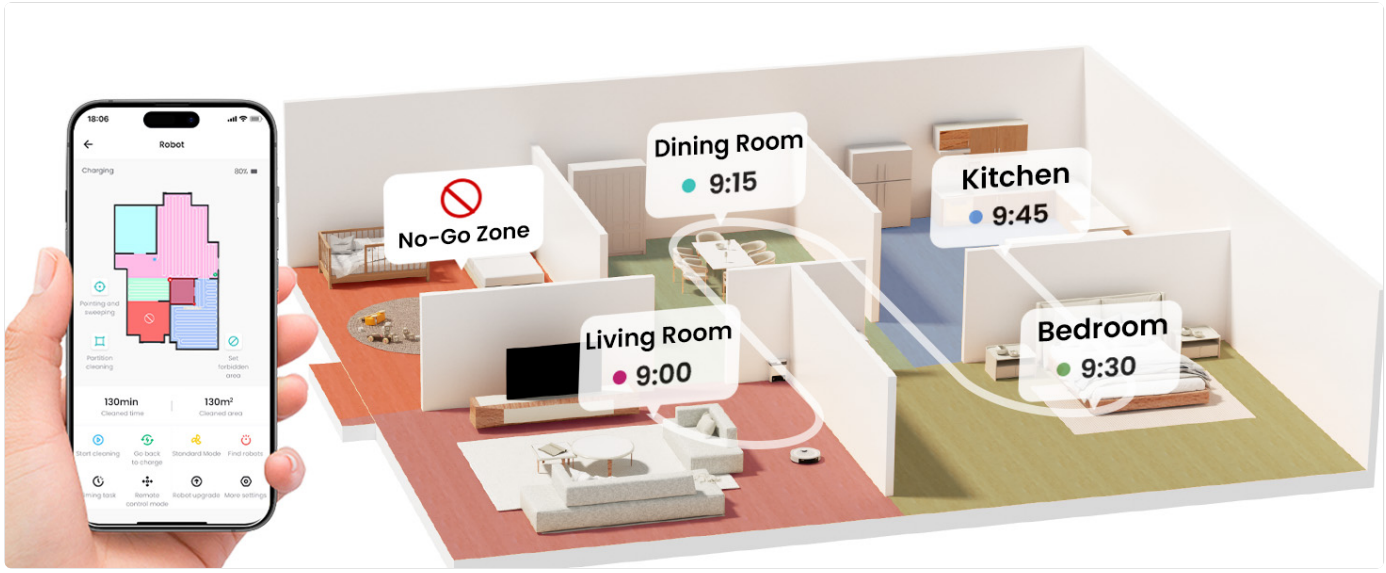
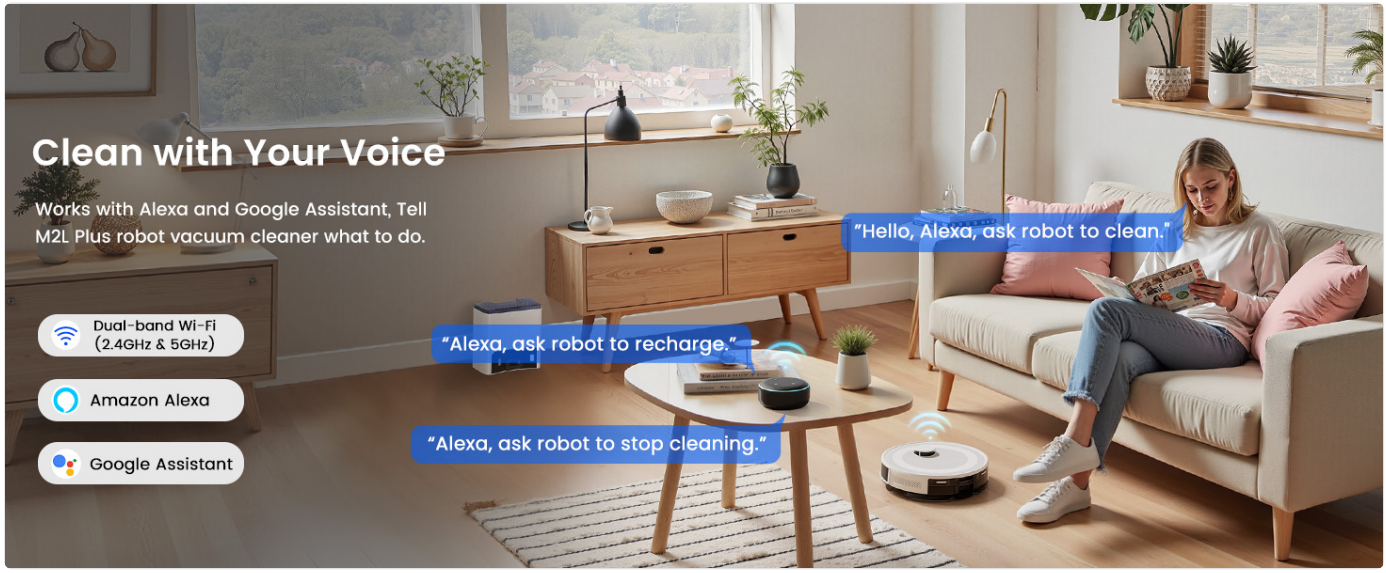


Illustration of the robot's carpet detection and automatic suction boost feature.

2.4 Obstacle Avoidance

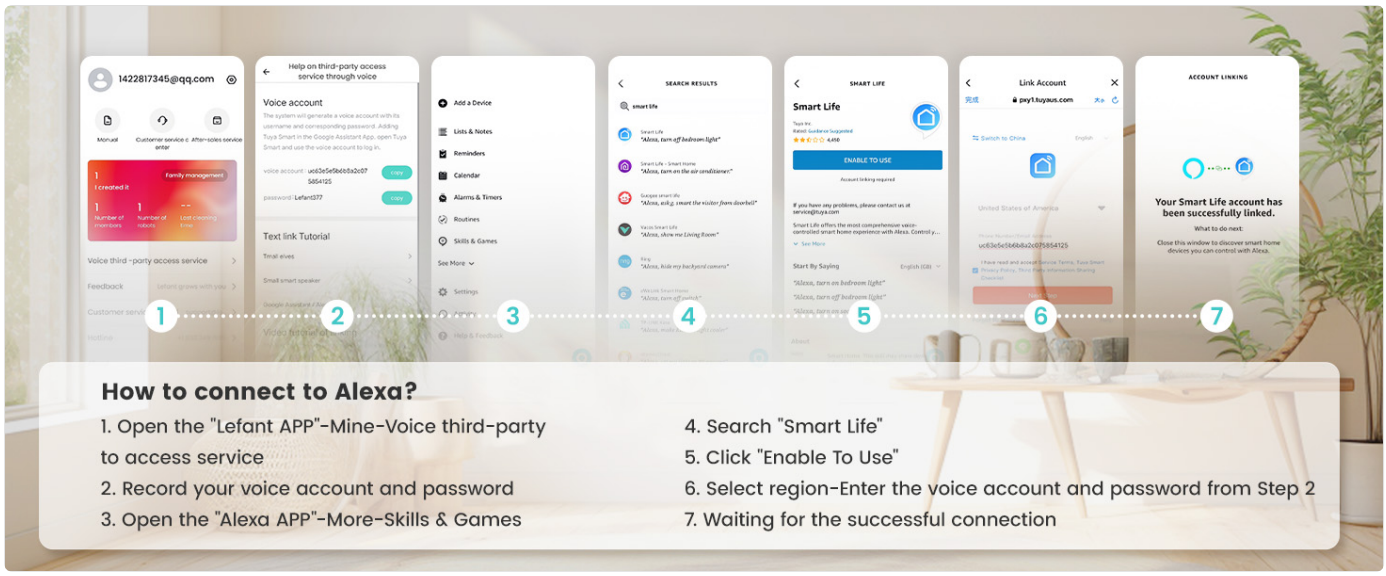
Equipped with nine triangulation distance sensors and 190° wide detection angle, the M2L Plus accurately detects and avoids objects as close as 1.6 inches, ensuring collision prevention and protecting furniture.



The robot vacuum's 190° PSD obstacle detection system.

2.5 Voice Control

The M2L Plus is compatible with Amazon Alexa and Google Assistant. Connect your robot to these services via the Lefant App to control it with voice commands.



Controlling the robot vacuum using voice commands through Amazon Alexa.

3. Maintenance

3.1 Self-Emptying Dustbin

The M2L Plus features a self-emptying station that can hold up to 75 days of debris. When the robot docks, it automatically transfers collected dirt into a sealed dust bag in the station. Replace the dust bag when full (sold separately).



The robot vacuum automatically empties its dustbin into the self-emptying station.

3.2 Cleaning the Filters

Regularly clean the HEPA filters and sponge filters to maintain optimal suction performance. Tap out loose debris and rinse with water if necessary, ensuring they are completely dry before reinstallation.

3.3 Cleaning the Mop Pad

Remove the washable mop cloth after each mopping session. Rinse it thoroughly with water and allow it to air dry. Replace disposable mop pads as needed.

3.4 Cleaning the Side Brushes

Check the side brushes periodically for tangled hair or debris. Use the provided cleaning tool to cut and remove any

obstructions. Replace worn brushes to ensure effective edge cleaning.

3.5 Cleaning Sensors and Charging Contacts

Wipe the robot's sensors (LiDAR, cliff sensors, obstacle sensors) and the charging contacts on both the robot and the station with a clean, dry cloth to ensure proper function and charging.

4. Troubleshooting

4.1 Common Issues and Solutions

Issue	Possible Cause	Solution
Robot does not turn on	Low battery; Power switch off	Charge the robot; Ensure power switch is on
Robot cannot connect to Wi-Fi	Incorrect Wi-Fi password; Router too far; 5GHz network not supported (M2L Plus supports both 2.4G/5G)	Verify password; Move robot closer to router; Ensure router is broadcasting 2.4GHz or 5GHz. Re-attempt connection process.
Robot gets stuck frequently	Obstacles on floor; Robot stuck on high thresholds	Clear cables, toys, and other small objects; Use No-Go Zones in the app for problematic areas.
Poor cleaning performance	Full dustbin; Clogged filters; Worn brushes	Empty dustbin/replace dust bag; Clean/replace filters; Clean/replace side brushes.
Robot does not return to charging station	Charging station blocked; Robot too far from station	Ensure clear path to charging station; Manually place robot on station if needed.

For further assistance, please refer to the customer service section.

5. Specifications

Feature	Detail
Brand	Lefant
Model Name	LHM2L PulsUS (M2L Plus)
Surface Recommendation	Carpet and hard flooring
Special Features	Auto-Docking, LiDAR Navigation, Low Noise, No-Go Zone, Wet/Dry
Color	White-blue
Controller Type	App Control, Button Control, Touchpad Control, Voice Control
Filter Type	Sponge
Battery Life	Up to 140 minutes
Battery Type	Lithium Ion
Voltage	14.4 volts DC

Feature	Detail
Water Tank Capacity	300 ml
Power Source	Battery Powered
Compatible Devices	Amazon Echo, Google Home, Smartphones, Smartwatches, Tablets
Maximum Suction	6000 Pa
Item Dimensions (L x W x H)	16.8"L x 12.8"W x 12.6"H

6. Warranty and Support

6.1 Product Warranty

Lefant provides a one-year warranty for the M2L Plus robot vacuum from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

6.2 Customer Service

For any questions, technical support, or warranty inquiries, please contact Lefant customer service. Our professional customer service team is available 24/7 (Monday to Friday) to assist you.

Contact Information:

- Refer to the contact details provided in the product packaging or on the official Lefant website.

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