

[manuals.plus](#) /

› [Lefant](#) /

› [Lefant M2L Plus Robot Vacuum and Mop User Manual](#)

**Lefant M2L Plus**

# Lefant M2L Plus Robot Vacuum and Mop User Manual

Model: M2L Plus

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Lefant M2L Plus Robot Vacuum and Mop. Please read this manual thoroughly before using the product and retain it for future reference. The Lefant M2L Plus is designed to provide automated cleaning for various floor types, combining vacuuming and mopping functionalities with advanced navigation and smart features.



Image 1.1: Lefant M2L Plus Robot Vacuum and Mop with its self-empty station, mobile app interface, and mop accessories.

## 2. PRODUCT OVERVIEW

### 2.1 What's in the Box

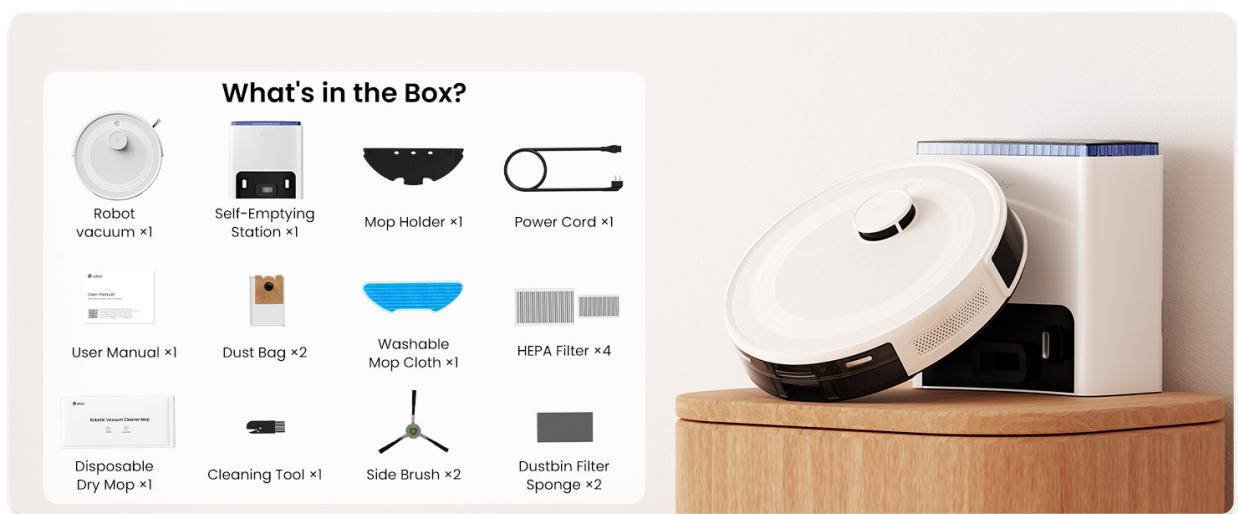


Image 2.1: Contents of the Lefant M2L Plus package.

- Robot Vacuum x1
- Self-Emptying Station x1
- Mop Holder x1
- Power Cord x1
- User Manual x1
- Dust Bag x2
- Washable Mop Cloth x1
- HEPA Filter x4
- Disposable Dry Mop x1
- Cleaning Tool x1
- Side Brush x2
- Dustbin Filter Sponge x2

## 2.2 Key Features

- **LiDAR Navigation & Multi-Floor Mapping:** Advanced 360° LiDAR navigation for efficient scanning, accurate mapping, and multi-level map creation.
- **Precision Detection & Avoidance:** 190° omnidirectional PSD obstacle avoidance for detecting and avoiding objects as close as 4 cm.
- **2-in-1 Vacuuming and Mopping:** Combines powerful 6000Pa suction with a 300ml water tank for comprehensive cleaning.
- **40 Days of Hands-Free Cleaning:** Self-emptying station with two 2.2L dust bags for extended maintenance-free operation.
- **Customized Cleaning via App:** Lefant APP allows setting cleaning modes, frequencies, selective area cleaning, and zone editing.
- **Instant Connection & Voice Commands:** Supports Dual-band WiFi (2.4GHz/5GHz) and integrates with Google Home and Alexa.
- **Carpet Detection & Carpet Boost:** Automatically avoids carpets when mopping and boosts suction on carpets when vacuuming.

## 3. SETUP

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### 3.1 Charging the Robot

Place the self-emptying station against a wall in an open area with good Wi-Fi signal. Ensure there is at least 0.5 meters of clear space on both sides and 1.5 meters in front of the station. Connect the power cord to the station and plug it into a power outlet. Place the robot vacuum onto the charging contacts. The robot will automatically begin charging. Ensure the robot is fully charged before its first use.

### 3.2 App Download and Connection

The Lefant app provides full control and customization options for your robot vacuum.

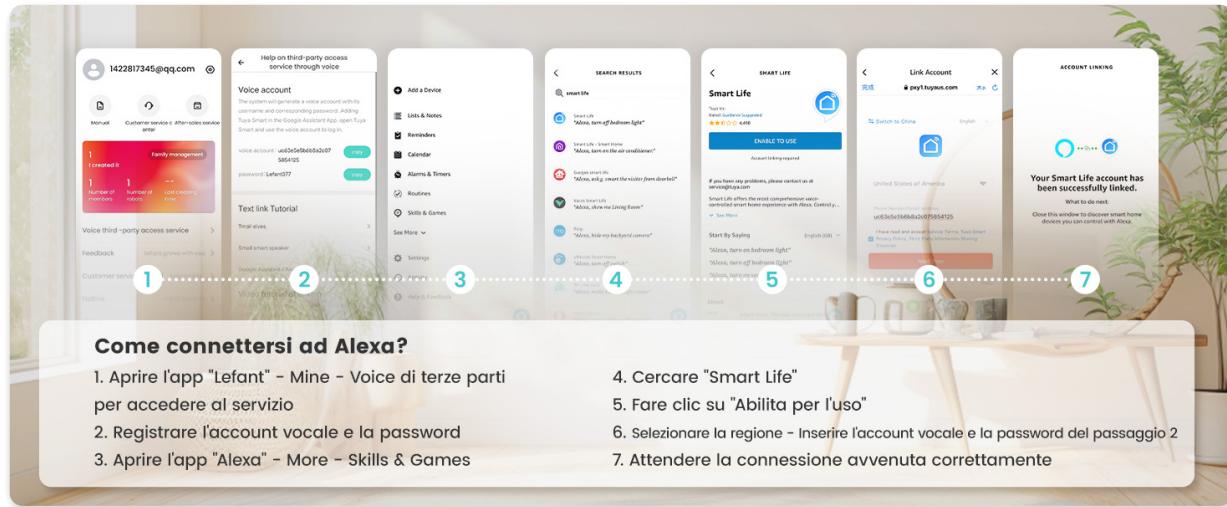


Image 3.1: Steps for connecting the Lefant Robot to the mobile application.

1. Download the **Lefant App** from your device's app store.
2. Open the app and follow the instructions to add your **M2L Plus robot vacuum**.
3. Ensure your mobile device is connected to a **2.4GHz or 5GHz Wi-Fi network**.
4. Power on the robot vacuum by pressing the power button.
5. Press and hold the start button on the robot for **6 seconds** to enter pairing mode.
6. Select the M2L Plus in the app and wait for the robot to pair successfully.

### 3.3 Voice Assistant Integration (Alexa/Google Home)

Integrate your robot vacuum with voice assistants for convenient control.



Image 3.2: Steps for connecting the Lefant Robot to Alexa.

1. Open the **Lefant app**, navigate to 'Mine' > 'Third-party services' to access the service.
2. Register your voice account and password within the Lefant app.
3. Open the **Alexa app**, navigate to 'More' > 'Skills & Games'.
4. Search for the skill **"Smart Life"**.
5. Click on **"Enable to Use"**.
6. Select your region and enter the voice account and password registered in step 2.
7. Wait for the connection to be successfully completed.

## 4. OPERATING INSTRUCTIONS

## 4.1 Initial Mapping and Navigation

The M2L Plus uses 360° LiDAR navigation to create an accurate map of your home. During its first cleaning cycle, allow the robot to fully explore all accessible areas to build a comprehensive map. This map will be used for efficient cleaning routes and multi-floor mapping.

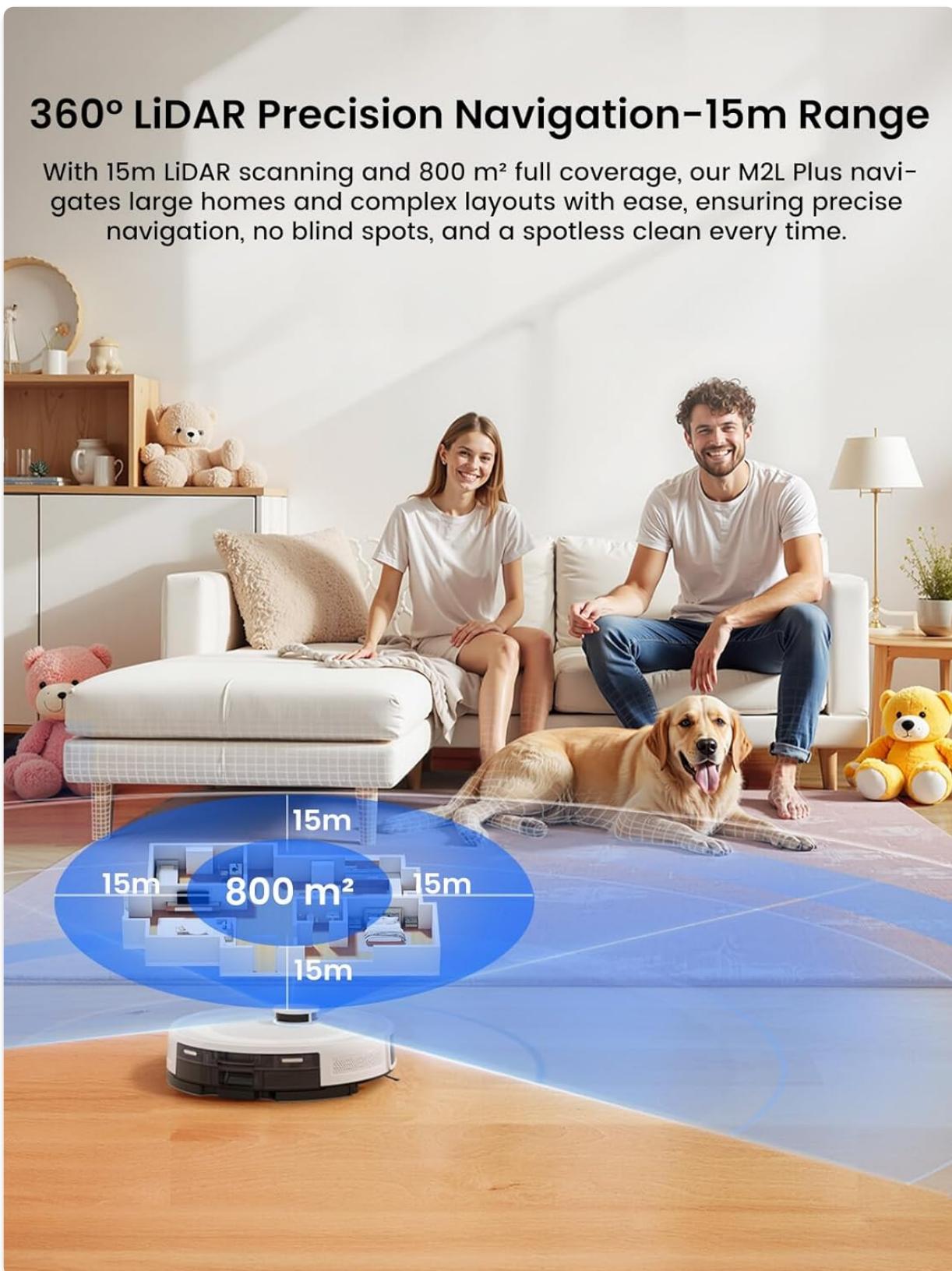
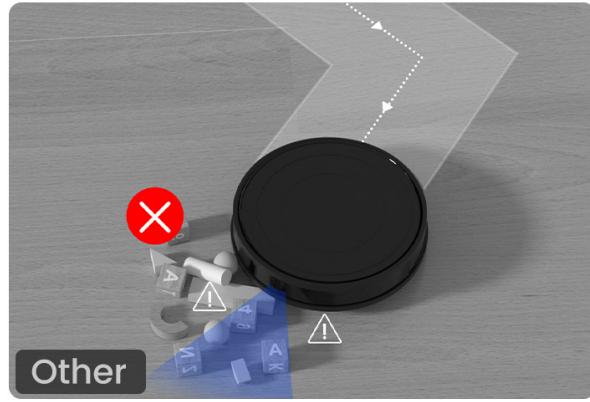


Image 4.1: The robot vacuum utilizing 360° LiDAR for precision navigation and mapping.



Less affected by light, color, or shape, it scans more comprehensively, avoids obstacles more precisely, and protects furniture from damage.



Easily affected by color and lighting, leading to more blind spots and frequent collisions.

Image 4.2: The robot's ability to effectively navigate and automatically identify up to 3 floors for multi-level mapping.

## 4.2 Obstacle Avoidance

Equipped with 190° omnidirectional PSD obstacle avoidance, the robot accurately detects and avoids objects, minimizing collisions and ensuring thorough cleaning even in low-light conditions.

## 190° PSD Precision Obstacle Detection

With Our 190° PSD obstacle avoidance technology, M2L Plus accurately detects varying shapes, colors, and sizes and avoids them.



Image 4.3: The robot's 190° PSD obstacle detection system in action.

## Why Should You Choose a Robot Vacuum with FreeMove Technology?

Without FreeMove Technology, the robot vacuum is more likely to collide, get stuck on debris and small stones, and have a higher risk of malfunctioning.

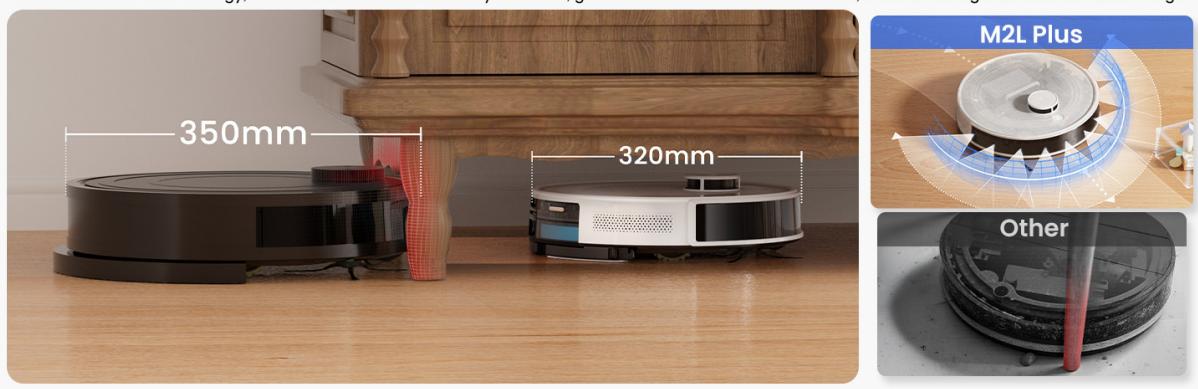


Image 4.4: Comparison of M2L Plus PSD obstacle avoidance with other robot vacuums.

### 4.3 Vacuuming and Mopping

The M2L Plus offers both vacuuming and mopping functions. The detachable mop holder allows for flexible cleaning. Adjust water flow via the app for different floor types and dirt levels.

# 3-in-1 Robot Vacuum Cleaner

Vacuum, Mop & Sweep together to catch dust vacuums miss.



**3-in-1**

Vacuum, Mop & Sweep

Image 4.5: The robot vacuum performing 3-in-1 cleaning with 6000Pa suction.

# Dual Carpet Detection Modes

Automatically avoids carpets, preventing dirt and debris from being transferred onto the carpet and keeping it clean.

**the mop holder is removed**



**the mop holder is attached**



Image 4.6: Dual carpet detection modes for vacuuming and mopping.

## 4.4 App Control and Customization

The Lefant app provides extensive control over your robot's cleaning tasks.

# All-in-One Lefant App



## ③ Advanced Cleaning Schedules

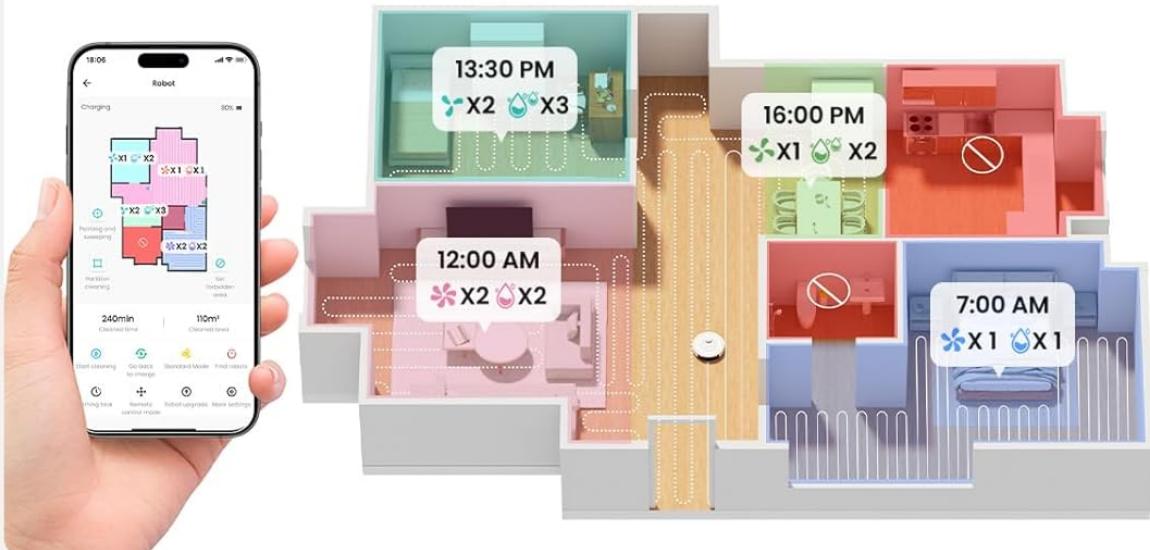


Image 4.7: Overview of the Lefant App's control features.

# Customized Cleaning Needs

Smart, Adaptive, and Tailored Cleaning Just for You

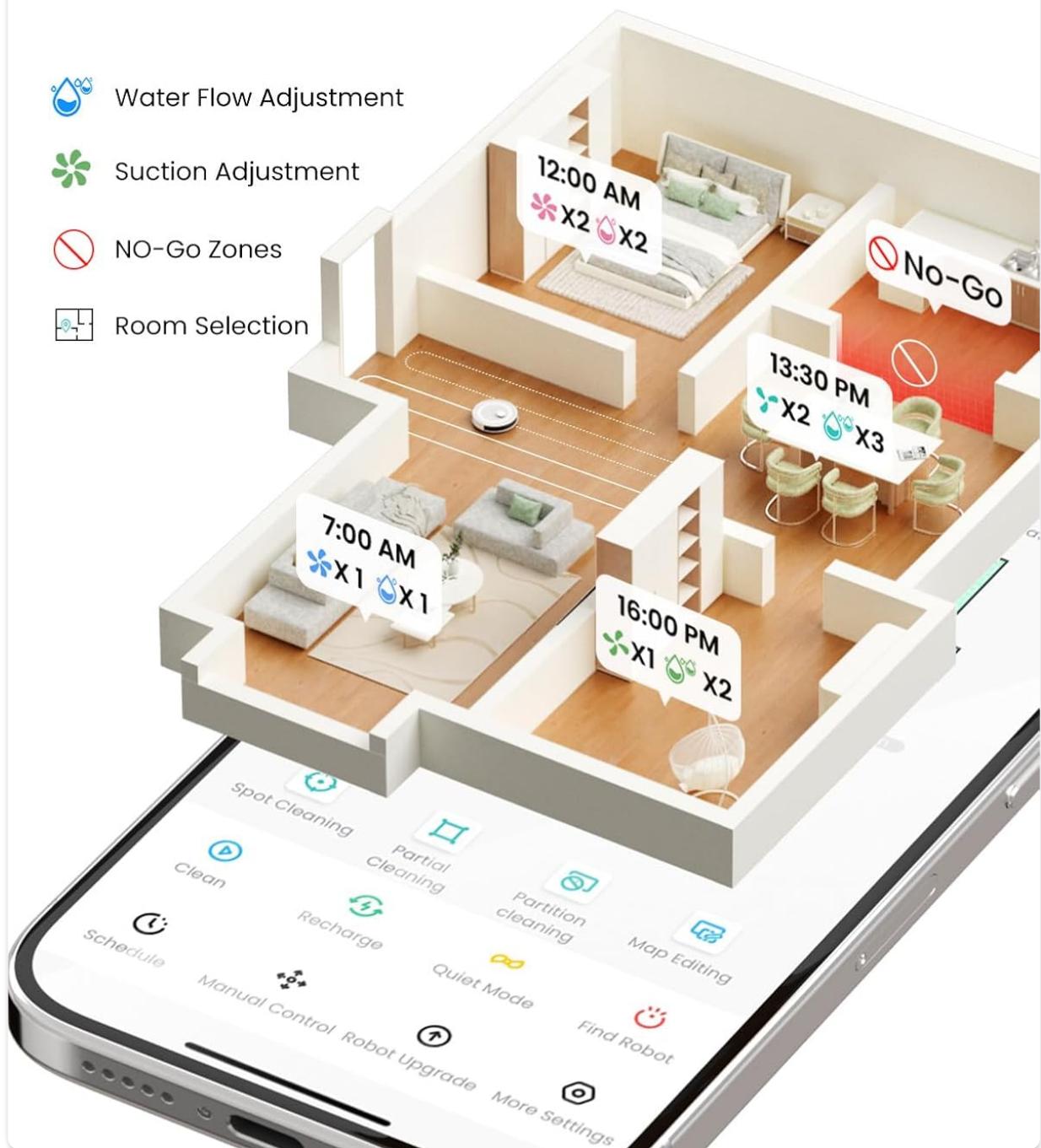


Image 4.8: Customized cleaning options available through the app.

- **Cleaning Customization:** Set specific cleaning modes and frequencies for individual rooms.
- **Selective Area Cleaning:** Choose particular rooms or zones for cleaning.
- **Zone Editing:** Split or merge rooms on the map for personalized cleaning schedules.
- **No-Go Zones:** Define areas the robot should avoid.
- **Water Flow & Suction Adjustment:** Control these settings based on your cleaning needs.

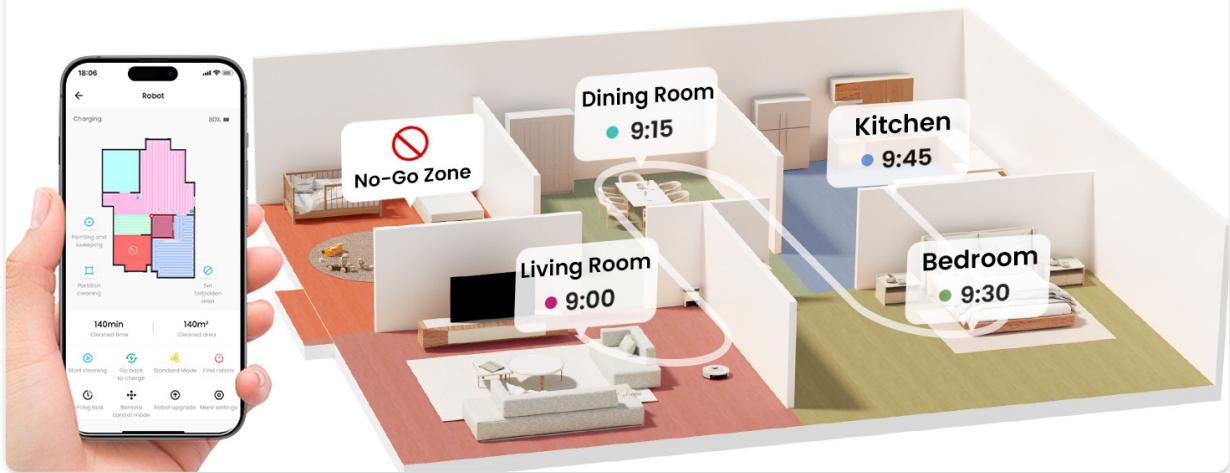


Image 4.9: Setting a 'Pet Area No-Go Zone' in the app.

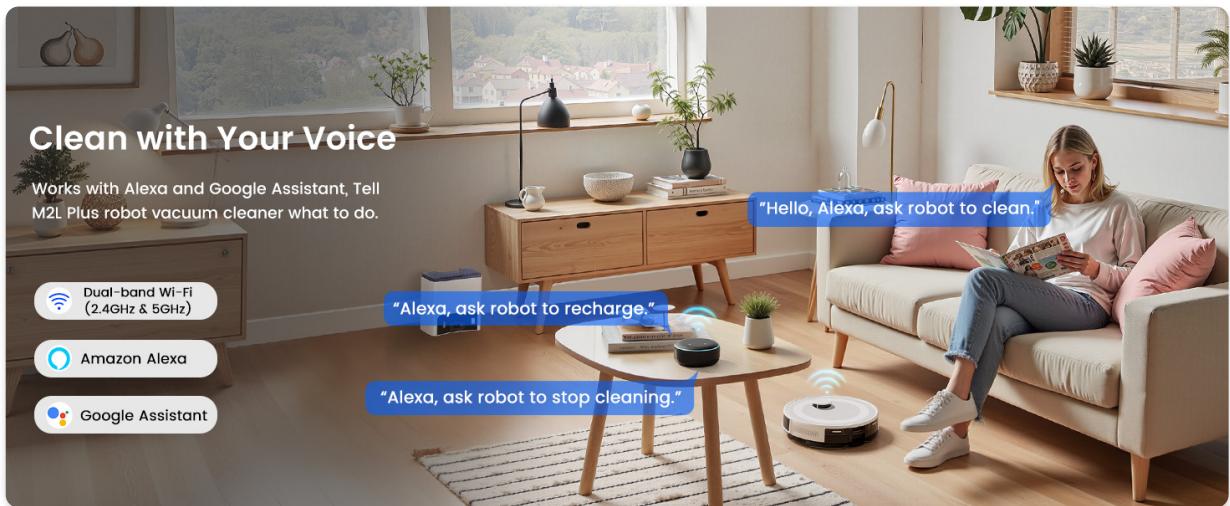


Image 4.10: Example of advanced cleaning schedules set via the app.

## 4.5 Voice Control

Use voice commands with Amazon Alexa or Google Assistant for hands-free operation.



Image 4.11: Controlling the robot vacuum with voice commands.

## 5. MAINTENANCE

## 5.1 Self-Emptying Station and Dust Bags

The self-emptying station automatically transfers collected debris into a 2.2L dust bag, providing up to 40 days of hands-free cleaning. Replace the dust bag when full.



Image 5.1: The robot vacuum's self-emptying function.

## 5.2 Cleaning the Robot

- **Dustbin:** Empty the robot's internal dustbin regularly, especially if not using the self-emptying feature frequently.

- **Filters:** Clean the HEPA filter and dustbin filter sponge weekly. Replace HEPA filters every 3-6 months, or as needed.
- **Side Brushes:** Check and clean the side brushes weekly. Replace if worn or damaged.
- **Main Brush:** Remove and clean the main brush regularly, removing any tangled hair or debris using the provided cleaning tool.
- **Mop Cloth & Water Tank:** After mopping, remove and wash the mop cloth. Empty any remaining water from the tank and allow it to air dry.
- **Sensors:** Wipe all sensors (LiDAR, PSD, cliff sensors) with a clean, dry cloth to ensure optimal performance.

## 6. TROUBLESHOOTING

If you encounter issues with your Lefant M2L Plus, refer to the following common solutions:

| Problem                             | Possible Cause  | Solution   |
|-------------------------------------|---|--|
| Robot does not turn on or charge.   | Low battery; improper contact with charging station; power cord disconnected. | Ensure the robot is correctly placed on the charging station. Check if the power cord is securely plugged in.  |
| Robot gets stuck frequently.        | Obstacles (cables, small objects); uneven surfaces; narrow spaces.            | Clear the cleaning area of loose cables and small items. Use the app to set No-Go Zones for problematic areas. |
| Poor cleaning performance.          | Full dustbin; clogged filters; worn brushes; low suction setting.             | Empty the dustbin. Clean or replace filters and brushes. Increase suction power via the app.                   |
| App connection issues.              | Incorrect Wi-Fi password; robot not in pairing mode; router issues.           | Verify Wi-Fi password and network (2.4GHz/5GHz). Re-enter pairing mode on the robot. Restart your router.      |
| Robot cannot find charging station. | Charging station moved; signal interference; station obstructed.              | Ensure the charging station is in its original, unobstructed location. Clear any objects around the station.   |
| Mopping function not working.       | Water tank empty; mop holder not attached; water flow setting too low.        | Fill the water tank. Ensure the mop holder is correctly attached. Adjust water flow in the app.                |

## 7. SPECIFICATIONS

| Feature         | Specification    |
|-----------------|------------------|
| Brand           | Lefant           |
| Model Name      | M2L Plus         |
| Color           | White            |
| Navigation Type | LiDAR Navigation |

| Feature                     | Specification  |
|-----------------------------|--|
| Special Features            | LiDAR Navigation, Multi-Floor Mapping, Room-By-Room Navigation, Self-Emptying, 190° PSD Obstacle Avoidance, Carpet Detection & Boost |
| Suction Power               | Up to 6000Pa   |
| Runtime                     | Up to 130 minutes  |
| Water Tank Capacity         | 300ml  |
| Dust Bag Capacity (Station) | 2.2L (up to 40 days)   |
| Connectivity                | Dual-band Wi-Fi (2.4GHz/5GHz), App Control, Voice Control (Alexa, Google Home)   |
| Surface Recommendation      | Carpet and hard flooring   |
| Product Dimensions          | 32L x 32W x 9.5H Centimetres   |
| Item Weight                 | 6.26 kg  |

## 8. WARRANTY AND SUPPORT

Lefant products are covered by a limited warranty. For detailed warranty information, product support, or technical assistance, please refer to the official Lefant website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For further assistance, visit the [Lefant Store on Amazon](#).

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### Related Documents - M2L Plus

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| <p> Lefant</p> <p>Lefant N3<br/>User manual</p>  | <p><a href="#"><u>Lefant N3 Robot Vacuum User Manual - Setup, Operation, and Maintenance Guide</u></a></p> <p>Comprehensive user manual for the Lefant N3 robot vacuum cleaner. Includes setup instructions, operating guide, mopping features, app integration, maintenance schedule, troubleshooting tips, technical specifications, and warranty information.</p> |