

1. Overview

The Lefant M2L Plus is a robotic vacuum and mop combo designed for automated floor cleaning. It utilizes LiDAR navigation for mapping and path planning and includes a self-emptying base station.



Key components include the robot unit, the self-emptying base station, a charging adapter, side brushes, a disposable mop pad, dust bags, and dust box filters.

2. Features and Specifications

2.1 Navigation and Mapping

- **LiDAR Navigation:** Uses 360° rotating laser to scan and map the home environment.
- **Multi-Floor Mapping:** Can create and save separate maps for different floors.
- **Obstacle Avoidance:** Equipped with nine triangulation distance sensors and PSD technology with a 190° detection angle to avoid objects as close as 1.6 inches.



2.2 Cleaning Performance

- **Suction Power:** 6000 Pa maximum suction.
- **2-in-1 Function:** Vacuum and mop combo. The 300ml water tank has 3-level adjustable water flow controlled via the app.
- **Carpet Detection & Auto Boost:** Detects carpets and avoids them when the mop attachment is installed. When the mop holder is removed, suction automatically increases for carpet cleaning.
- **Pet-Friendly:** Designed to pick up pet hair and avoid becoming stuck.



2.3 Self-Emptying Base Station

- **Capacity:** Holds up to 75 days of dust and debris before requiring emptying.
- **Dust Bags:** Uses sealed disposable dust bags (sold separately) to contain dust and odors.



2.4 Connectivity and Control

- **Dual-Band WiFi:** Supports both 2.4GHz and 5GHz networks with auto-switching.
- **Control Methods:** Lefant smartphone app, voice control via Amazon Alexa and Google Home, and manual touch controls on the robot.
- **Smartwatch Support:** Compatible with Apple iWatch (watch not included).



2.5 Battery and Runtime

- **Battery Life:** Up to 130-140 minutes of runtime on a single charge.
- **Auto-Recharge:** Returns to the base station to recharge when battery is low, then resumes cleaning if needed.

3. Use Guide

3.1 Initial Setup

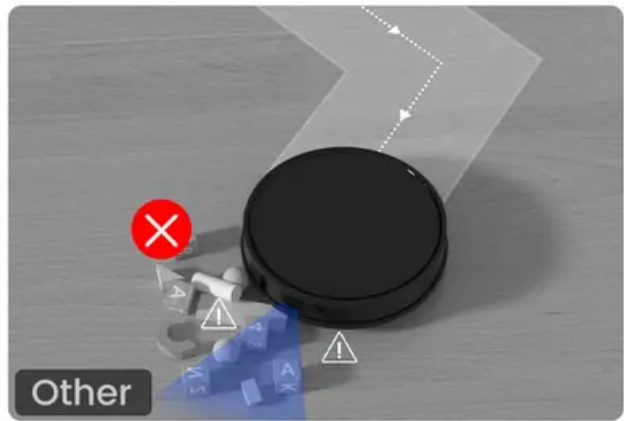
1. Place the self-emptying base station on a hard, level surface against a wall. Ensure there is at least 3 feet of clearance on each side and 5 feet in front.
2. Install the side brushes onto the bottom of the robot.
3. Charge the robot by docking it on the base station. The initial charge may take several hours.
4. Download the "Lefant" app from your smartphone's app store.
5. Power on the robot. Follow the in-app instructions to connect the robot to your WiFi network (2.4GHz or 5GHz).

3.2 Creating a Map

1. Ensure floors are clear of loose cables, small objects, and excessive clutter.
2. From the app, initiate a full cleaning cycle. The robot will explore your home to create an initial map.
3. After the first complete run, the map will be saved in the app. You can then label rooms, set No-Go Zones, and create virtual boundaries.



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.

3.3 Vacuuming and Mopping

Vacuumping Only:

- Ensure the mop holder and water tank are NOT attached to the robot.
- Select cleaning mode (Quiet, Standard, Strong, Max) in the app.
- Initiate cleaning for the whole home or selected rooms.

Vacuumping and Mopping:

1. Fill the 300ml water tank with clean water. Do not exceed the "Max" line.
2. Attach the disposable mop pad to the mop holder.
3. Attach the mop holder and water tank to the rear of the robot.
4. In the app, select the mopping function and set the desired water flow level (Low, Medium, High) for each room if desired.
5. Start the cleaning cycle. The robot will avoid carpets when the mop is attached.

3.4 Customizing Cleaning

Using the Lefant App, you can:

- **Schedule Cleaning:** Set specific days and times for automatic cleaning.
- **Selective Area Cleaning:** Draw a rectangle on the map to clean a specific zone.
- **Room-Specific Settings:** Assign different suction powers or water flow levels to different rooms.
- **No-Go Zones/Virtual Walls:** Draw lines or zones on the map where the robot should not enter.

3.5 Maintenance

- **Empty the Base Station:** Replace the sealed dust bag when the station indicator alerts you (approximately every 75 days under normal use).
- **Clean the Robot's Dustbin:** Remove and empty the internal dustbin after each cleaning cycle if not using self-emptying mode. Wash the filter periodically.
- **Clean Sensors and Charging Contacts:** Wipe the LiDAR sensor window, cliff sensors, and charging contacts on the robot and base with a dry cloth.
- **Check and Clean Brushes:** Regularly remove the main roller brush and side brushes to clear tangled hair and debris.
- **Care for the Mop:** Remove and wash the mop pad after use. Rinse the water tank.

4. Troubleshooting

- **Robot not starting:** Ensure it is properly docked and charged. Check that the power switch on the side of the robot is turned on.
- **Connection issues with app:** Verify your phone is connected to the correct WiFi band (2.4GHz or 5GHz). Restart the robot and your router.
- **Poor navigation or getting stuck:** Ensure the home environment is well-lit and the LiDAR sensor is clean. Clear floors of loose wires, socks, or low-lying obstacles.
- **Weak suction:** Check and empty the robot's dustbin and the base station's dust bag. Clean the filters and check the main roller brush for blockages.
- **Error alerts on app:** Refer to the specific error code in the "Help" section of the Lefant app.

5. Safety Information

- Only use the provided charging adapter.
- Do not use the robot to pick up liquids, burning materials, or sharp, hard objects.
- Keep the robot away from open flames and heat sources.
- Do not place heavy objects on the robot or base station.
- This appliance is not intended for use by persons with reduced physical, sensory or mental capabilities, unless supervised.
- Unplug the base station before performing any maintenance.

6. Warranty and Support

Lefant provides a one-year limited warranty for the M2L Plus.

Customer Service: Professional customer service is available 24/7, Monday through Friday.

For warranty information, please [click here](#).

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.

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