**Lefant M1**

# Lefant M1 Robot Vacuum and Mop Instruction Manual

Model: M1 | Brand: Lefant

## Introduction

Welcome to the instruction manual for your Lefant M1 Robot Vacuum and Mop. This guide provides essential information for setting up, operating, maintaining, and troubleshooting your device to ensure optimal performance and a cleaner home.

## What's in the Box

Your Lefant M1 package includes the following components:

- Lefant M1 Robot Vacuum and Mop
- Charging Port
- Charging Adapter
- Filter
- Side Brush (4 included)
- 520 ML Dust box & 160 ML Water Tank
- Cleaning Cloth
- Disposable Cleaning Cloth (5 included)
- Mopping Pad Plate




Figure 1: Contents of the Lefant M1 package, including the robot, charging station, various brushes, filters, and mopping accessories.

## Setup Guide

### 1. Initial Charging

Before the first use, ensure the robot vacuum is fully charged. Place the charging dock against a wall in an open area with good Wi-Fi signal. Make sure the robot's main power switch (located on the side) is in the 'ON' position before placing it

on the charging base. The indicator lights will confirm charging status.

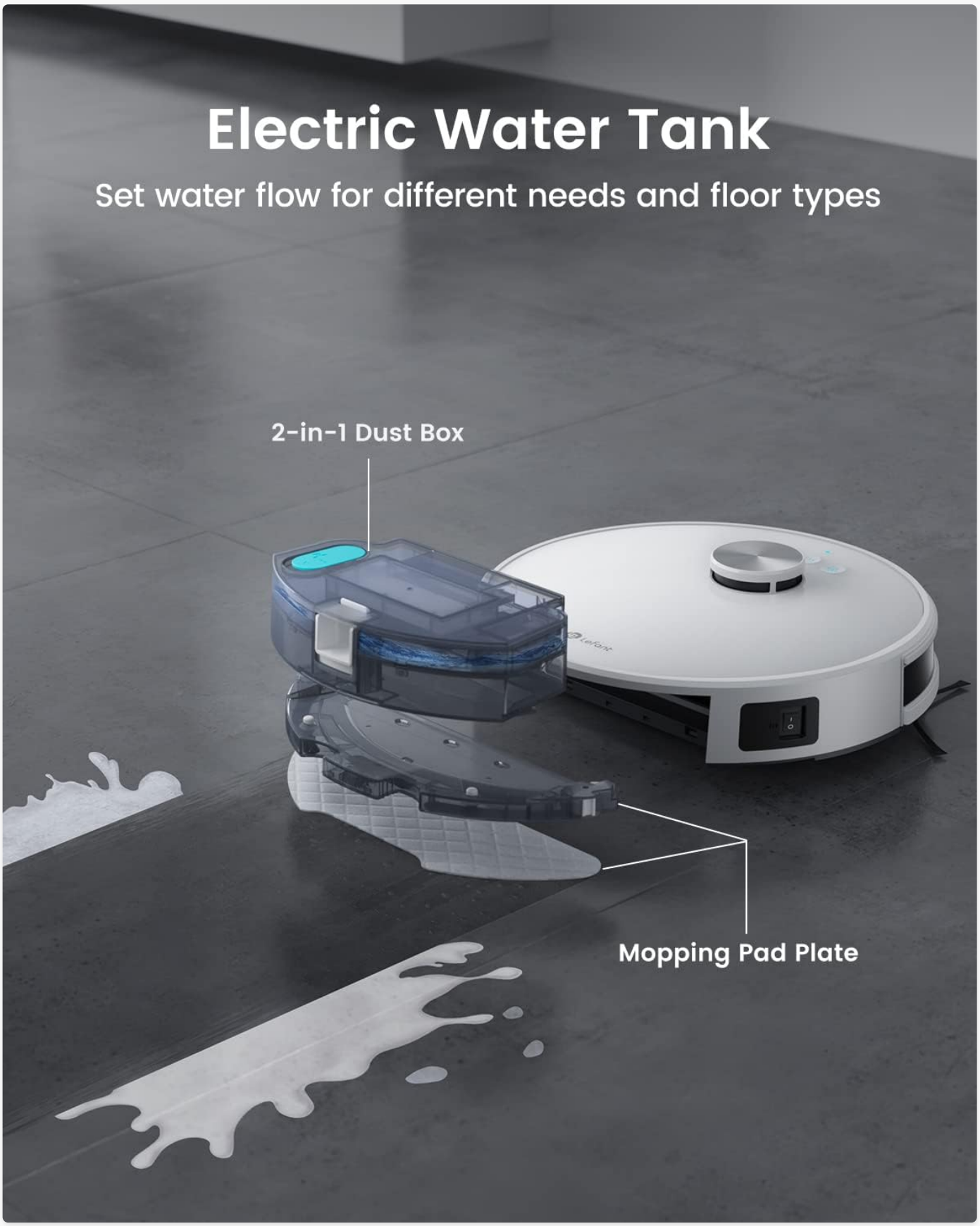



Figure 2: The Lefant M1 robot vacuum and its electric water tank, ready for charging and operation.

## 2. Attaching Side Brushes and Mop Pad

Gently press the side brushes into their designated slots on the underside of the robot until they click into place. For mopping functionality, slide the mop pad plate into the slot at the rear of the robot. Ensure the mop cloth is properly attached to the plate.

### 3. Filling the Water Tank

The Lefant M1 features a 2-in-1 dustbin and water tank. To fill the water tank, remove the combined unit from the robot. Open the water tank cap, fill with clean water, and securely close the cap. Reinsert the tank firmly into the robot.

### 4. App Installation and Connection

Download the "Lefant" app from your mobile app store (available on iOS and Android). Follow the in-app instructions to register an account and add your Lefant M1 robot. Ensure your home Wi-Fi network is 2.4GHz, as the robot only supports this frequency.

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Video 1: This video demonstrates the process of connecting the Lefant M1 robot vacuum to the Lefant App, including initial power-on and Wi-Fi setup steps.

## Operating the Robot

### 1. Cleaning Modes

The Lefant M1 offers various cleaning modes to suit different cleaning needs, all controllable via the Lefant App:

- **Scheduled Cleaning:** Set specific times for the robot to clean automatically.
- **Zoned Cleaning:** Define specific areas on the generated map for the robot to clean.
- **Spot Cleaning:** Direct the robot to clean a concentrated dirty area.
- **Manual Remote Control:** Control the robot's movement directly through the app.




Figure 3: The Lefant App provides comprehensive control over the robot's cleaning functions, including scheduling and mapping.

## 2. LDS Navigation and Mapping

The robot uses advanced LDS (Lidar Navigation System) to scan and create a real-time, accurate map of your home. This allows for efficient, row-by-row cleaning paths and precise positioning. The robot can save up to 3 separate maps for multi-floor homes.




Figure 4: The robot utilizes LDS Laser Navigation for intelligent path planning and obstacle avoidance.

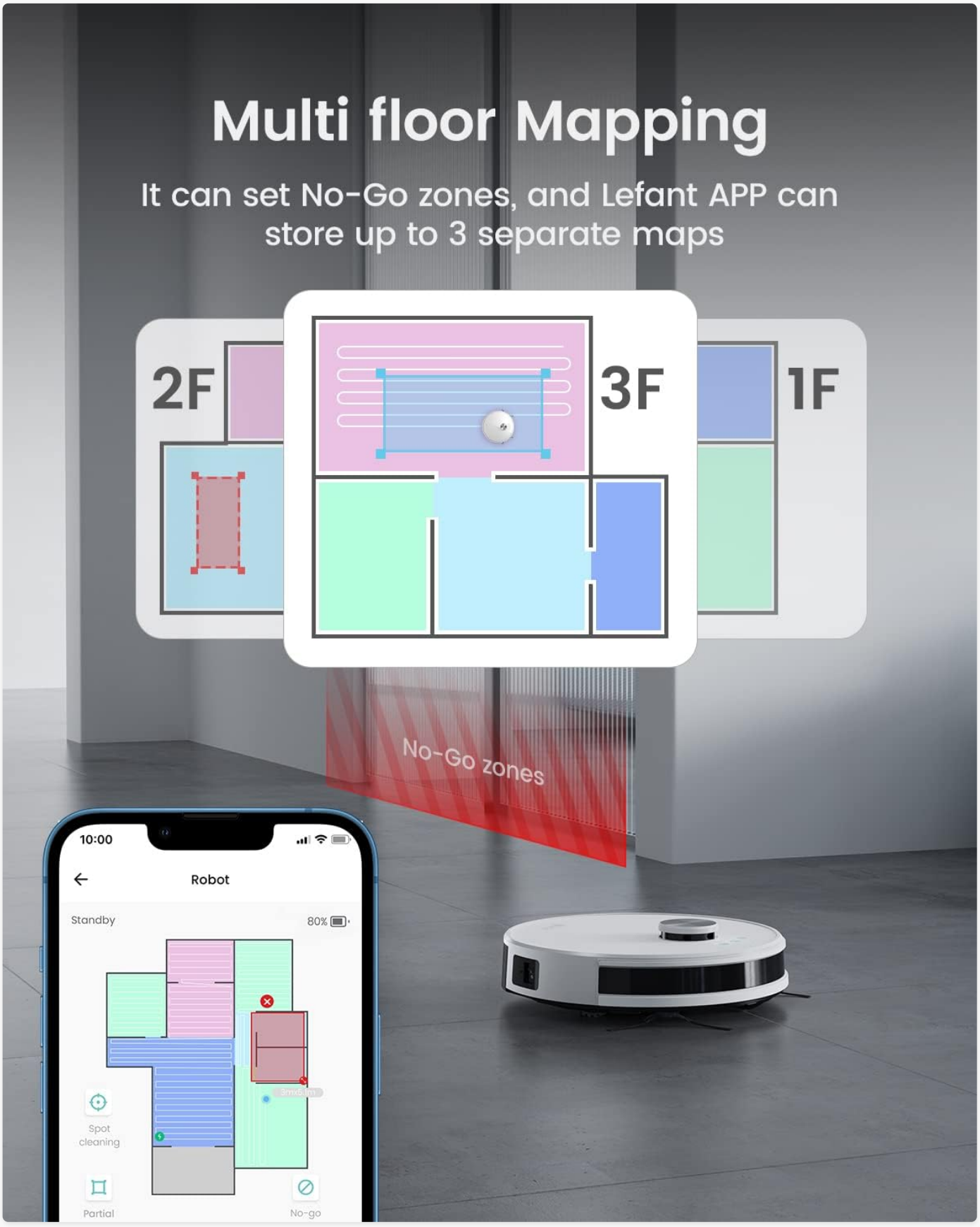



Figure 5: The robot's ability to map multiple floors and set virtual boundaries for customized cleaning.

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Video 2: This video provides a step-by-step guide on how to create and manage maps for the Lefant laser robot vacuum using the mobile application.

## 3. No-Go Zones and Virtual Walls

Through the Lefant App, you can easily set and save virtual walls or no-go zones. This feature allows you to restrict the

robot from entering specific areas, protecting carpets, pet zones, or children's play areas.

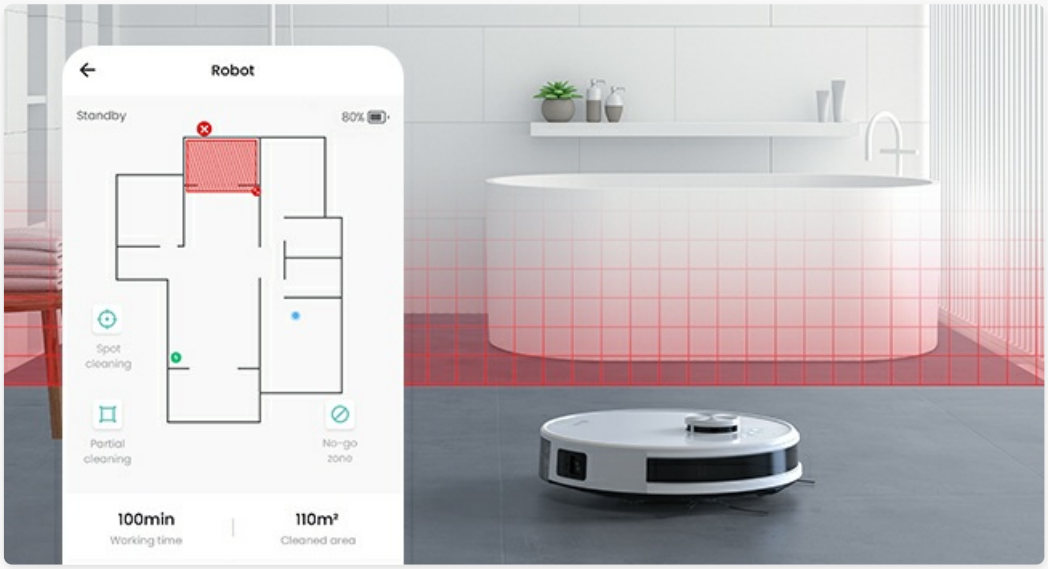



Figure 6: Setting up a no-go zone on the app to prevent the robot from entering restricted areas.

## 4. Voice Control

The Lefant M1 is compatible with popular voice assistants like Amazon Alexa and Google Home. Once connected, you can use simple voice commands to start, stop, or send the robot back to its charging base.

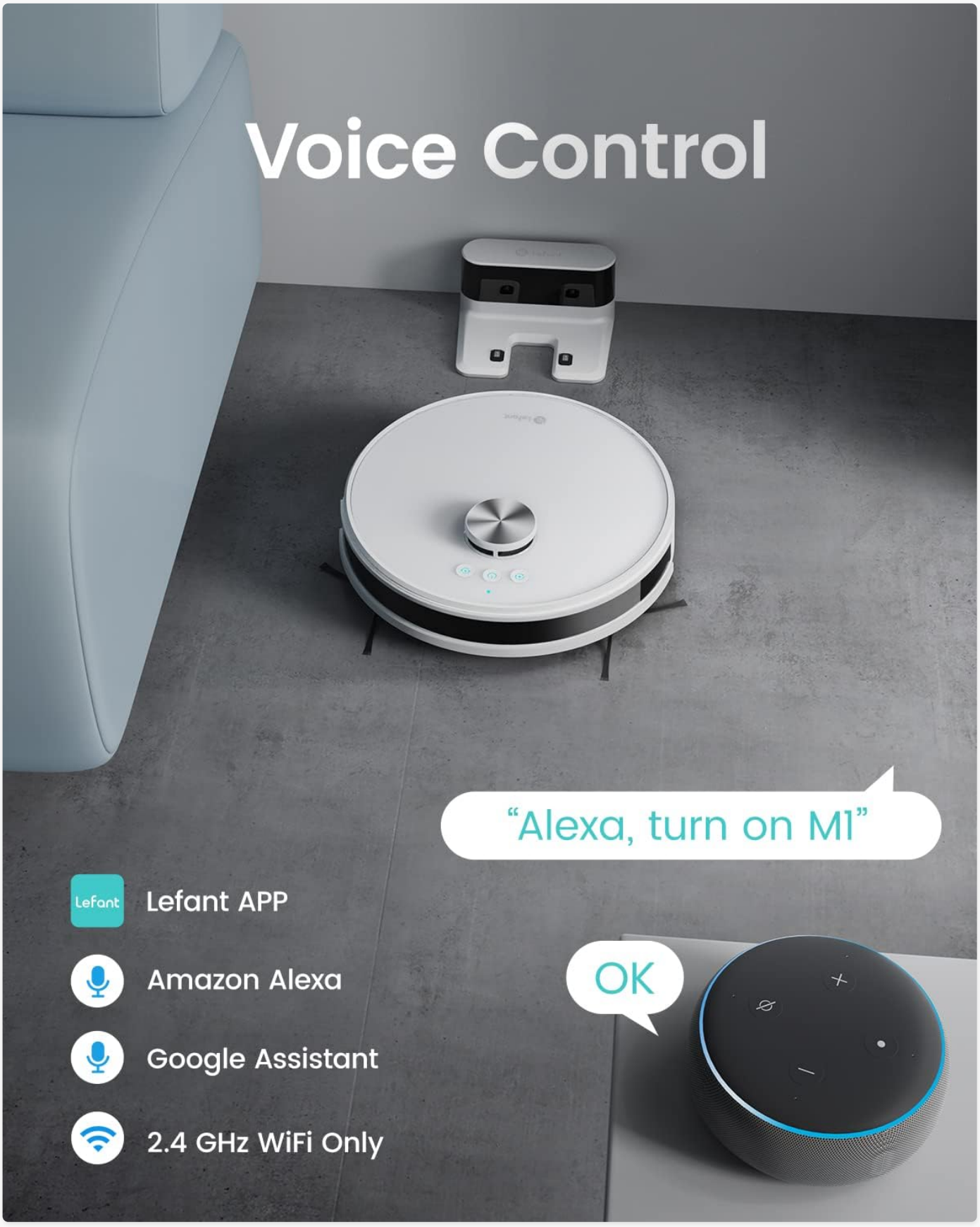



Figure 7: Control your robot vacuum using voice commands through smart home devices.

## Maintenance

Regular maintenance is crucial for ensuring the longevity and optimal performance of your Lefant M1 Robot Vacuum and Mop. Follow these steps to keep your device in top condition:

### 1. Emptying the Dustbin

The 520ml dustbin should be emptied after each cleaning cycle, especially if you have pets or a large area to clean. Press the release button to remove the dustbin, open it, and discard the collected debris.

### 2. Cleaning Filters

The high-efficiency filter should be cleaned regularly (e.g., weekly) by tapping it gently to remove dust. It is recommended to replace the filter every 3-6 months, depending on usage, to maintain optimal suction power.

### 3. Cleaning Side Brushes and Mop Pad

Inspect the side brushes for tangled hair or debris and clean them as needed. The reusable mop pad is washable and should be cleaned after each mopping session. Disposable mop cloths are also provided for convenience.

## Troubleshooting

If you encounter any issues with your Lefant M1, refer to the table below for common problems and their solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| Robot does not turn on | Main power switch is off; Low battery | Ensure side power switch is ON; Place robot on charging dock to charge fully. |
| Robot stuck or trapped | Obstacles (cables, small objects); Uneven surfaces | Clear obstacles from cleaning path; Ensure robot operates on suitable surfaces. |
| Poor suction power | Full dustbin; Clogged filter; Blocked suction inlet | Empty dustbin; Clean or replace filter; Clear any blockages from suction inlet. |
| App connection issues | Incorrect Wi-Fi frequency; Incorrect password; Robot not in pairing mode | Ensure 2.4GHz Wi-Fi; Verify password; Follow app instructions to put robot in pairing mode. |
| Robot not mopping effectively | Empty water tank; Clogged water outlet; Dirty mop pad | Refill water tank; Clean water outlet; Clean or replace mop pad. |

## Technical Specifications

| Feature | Specification |
|---|---|
| Brand | Lefant |
| Model Name | Robot vacuum and mop combo M1 |
| Suction Power | 4000Pa |
| Battery Life | 150 minutes |
| Navigation Type | LIDAR Navigation |
| Dustbin Capacity | 520 Milliliters |

| Feature | Specification |
| --- | --- |
| Water Tank Capacity | 160 Milliliters |
| Control Method | App, Touch, Voice (Alexa, Google Home) |
| Wi-Fi Compatibility | 2.4GHz only |
| Product Dimensions | 12.6"L x 12.6"W x 3.7"H |
| Item Weight | 9.63 pounds |

## Warranty and Support

For detailed warranty information, technical support, or to purchase replacement parts and accessories, please visit the official Lefant website or contact their customer service directly. A comprehensive user manual is also available for download:

**Download User Manual (PDF)**

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