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› Lefant M2 Plus Robot Vacuum and Mop User Manual

Lefant M2 Plus

Lefant M2 Plus Robot Vacuum and Mop User Manual

Model: M2 Plus | Brand: Lefant

INTRODUCTION

The Lefant M2 Plus is an advanced robot vacuum and mop designed to provide efficient and comprehensive floor cleaning. Equipped with dToF laser navigation, 6000Pa suction power, and a 75-day auto-empty station, it offers a hands-free cleaning experience. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your device.

WHAT'S IN THE BOX

Carefully unpack all components and ensure everything listed below is present.

- Lefant M2 Plus Robot Vacuum and Mop
- Auto-Empty Station
- Dust Bags (2 included)
- HEPA Filter (4 included)
- Mop Holder
- Washable Mop Cloth (1 included)
- Disposable Mop Cloth
- Side Brushes (2 included)
- Cleaning Tool
- Power Cable
- User Manual
- Sponge for Dustbin Filter



Figure 1: Contents of the Lefant M2 Plus package. Includes the robot, auto-empty station, various accessories, and documentation.

SETUP INSTRUCTIONS

1. Initial Setup

1. Remove all packaging materials and protective films from the robot and the auto-empty station.
2. Install the side brushes by pressing them into their respective slots until they click.
3. Place the auto-empty 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.
4. Connect the power cable to the auto-empty station and plug it into a power outlet.
5. Place the robot on the charging base to ensure it is fully charged before its first use. The indicator light will show charging status.

2. Connecting to the Lefant App

The Lefant App allows you to control your robot, set cleaning schedules, and customize cleaning preferences.

1. Download the Lefant App from your mobile app store (App Store for iOS or Google Play Store for Android).
2. Open the app and register or log in.
3. Add your M2 Plus robot vacuum to the app by following the on-screen instructions.
4. Ensure your phone is connected to a 2.4GHz or 5GHz Wi-Fi network.
5. Power on the robot by pressing the button.
6. Press and hold the home button on the robot for 6 seconds to enter network configuration mode.
7. Select the M2 Plus in the app and wait for successful pairing.



Figure 2: Steps for connecting your Lefant M2 Plus to the mobile application.

3. Connecting to Alexa

Integrate your Lefant M2 Plus with Amazon Alexa for voice control.

1. Open the Lefant App. Go to 'My Account' and then 'Third-party Voice Services'.
2. Register your voice account and password.
3. Open the Amazon Alexa App. Go to 'Skills & Games'.
4. Search for 'Smart Life'.
5. Click 'Enable to Use'.
6. Select your region and enter the data from Step 2.
7. Wait for the connection to be successful. You can now use voice commands like "Alexa, tell the robot to clean."

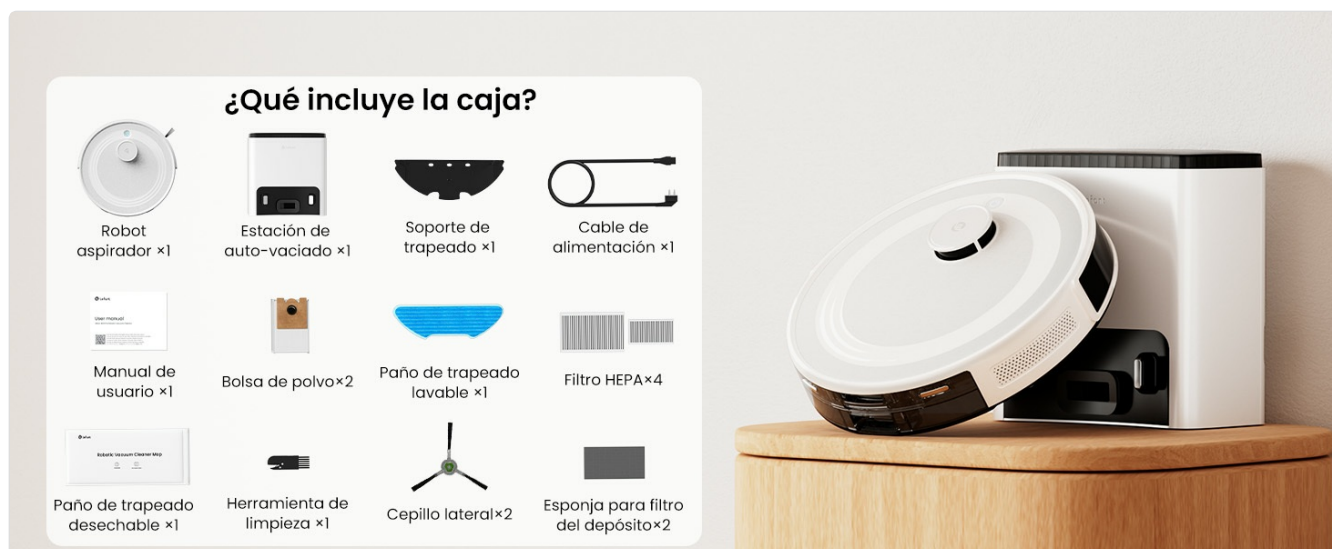


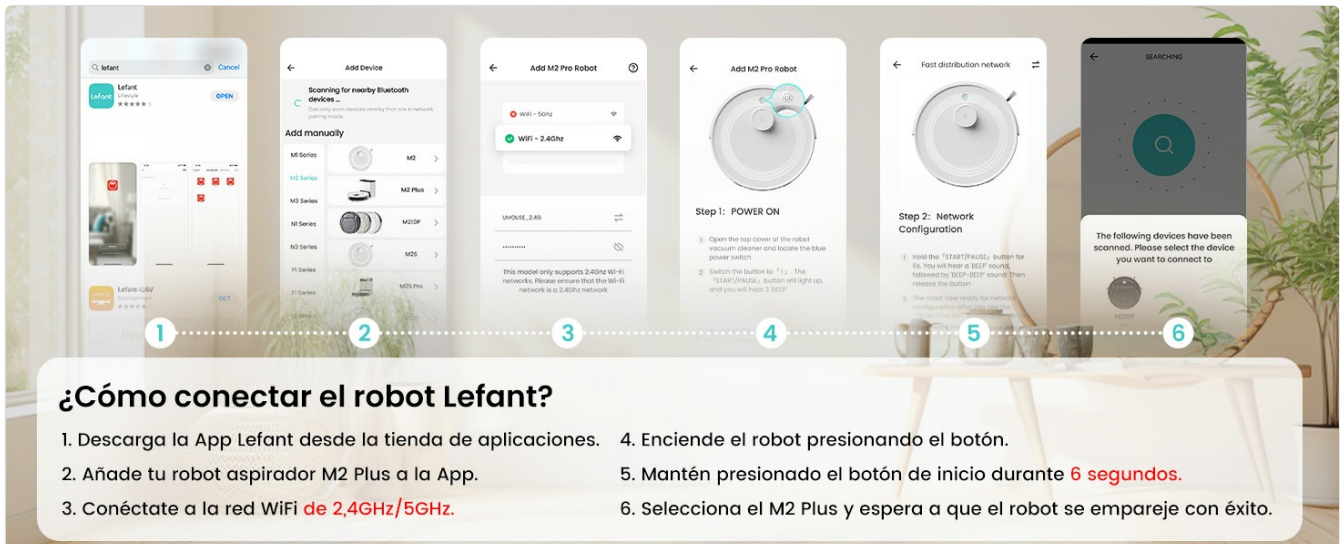
Figure 3: Instructions for setting up Alexa voice control with your Lefant M2 Plus.

4. Controlling with Apple Watch

Control your Lefant robot directly from your Apple Watch.

1. Download the Lefant App on your mobile phone and the Apple Watch.
2. Pair the Lefant App with your Apple Watch.
3. Select the Lefant App on your Apple Watch.
4. The watch will remind you to open the Lefant App on your phone and log in.

- Once logged in, connect your Lefant robot.
- Return to your Apple Watch, where you can now control your robot.



¿Cómo conectar el robot Lefant?

- Descarga la App Lefant desde la tienda de aplicaciones.
- Añade tu robot aspirador M2 Plus a la App.
- Conéctate a la red WiFi de 2,4GHz/5GHz.
- Enciende el robot presionando el botón.
- Mantén presionado el botón de inicio durante 6 segundos.
- Selecciona el M2 Plus y espera a que el robot se empareje con éxito.

Figure 4: Controlling your Lefant M2 Plus via Apple Watch.

OPERATING INSTRUCTIONS

1. 3-in-1 Cleaning Modes

The M2 Plus offers vacuuming, mopping, and sweeping functionalities simultaneously. It features a powerful 6000Pa suction to effectively pick up debris, hair, and dust from various floor types and carpets. The detachable mop holder allows for flexible cleaning options.



Figure 5: The M2 Plus performs vacuuming, mopping, and sweeping in a single pass.

2. Advanced Navigation and Mapping

The M2 Plus utilizes 360° LiDAR precision navigation with a 15-meter scanning range to create accurate maps of your home. This allows for efficient and systematic cleaning paths, adapting to complex layouts and multi-level homes (up to 3 floors).

Limpieza Inteligente, Cobertura Completa

Con escaneo LiDAR de 15m y cobertura total de 800 m², nuestro M2 Plus navega en hogares grandes y diseños complejos con facilidad, garantizando una navegación precisa, sin puntos ciegos y una limpieza impecable cada vez.



Figure 6: Intelligent cleaning with full coverage using LiDAR navigation.

Mapeo Multinivel

Navega eficazmente en múltiples niveles e identifica automáticamente hasta 3 pisos.

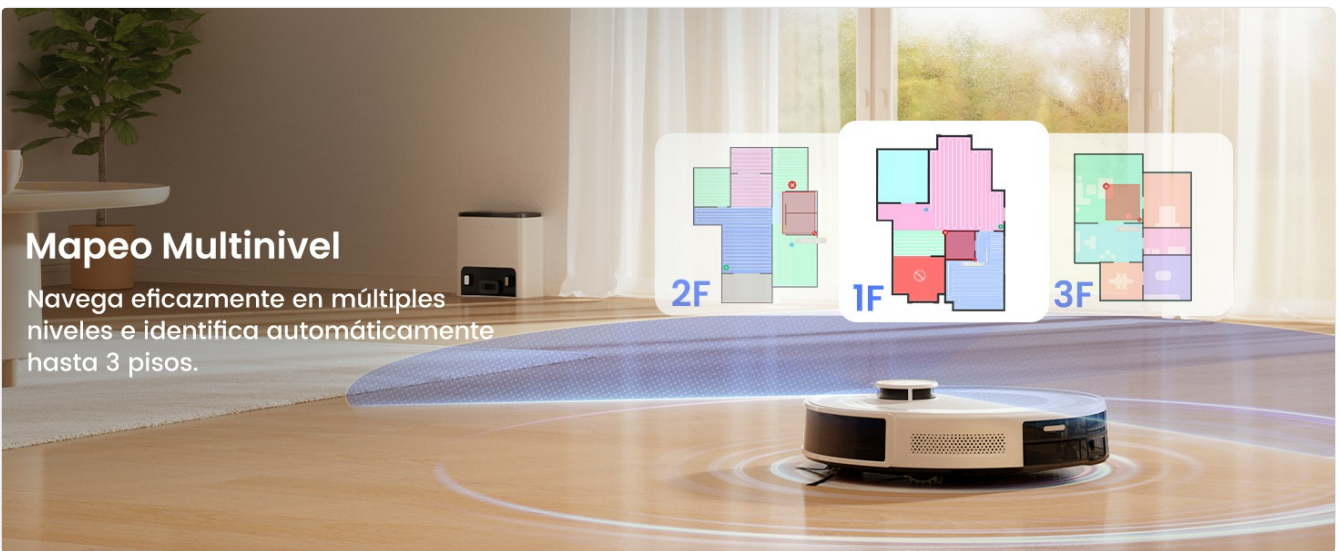


Figure 7: Multi-level mapping allows the robot to navigate and identify up to 3 floors.

3. Precise Obstacle Avoidance

Equipped with dToF navigation and 190° omnidirectional PSD obstacle avoidance, the M2 Plus quickly maps and plans precise cleaning paths. Its Freemove full-body detection technology ensures smooth maneuvering around obstacles, preventing collisions and protecting your furniture.



Figure 8: The M2 Plus's 190° PSD obstacle detection for precise navigation.

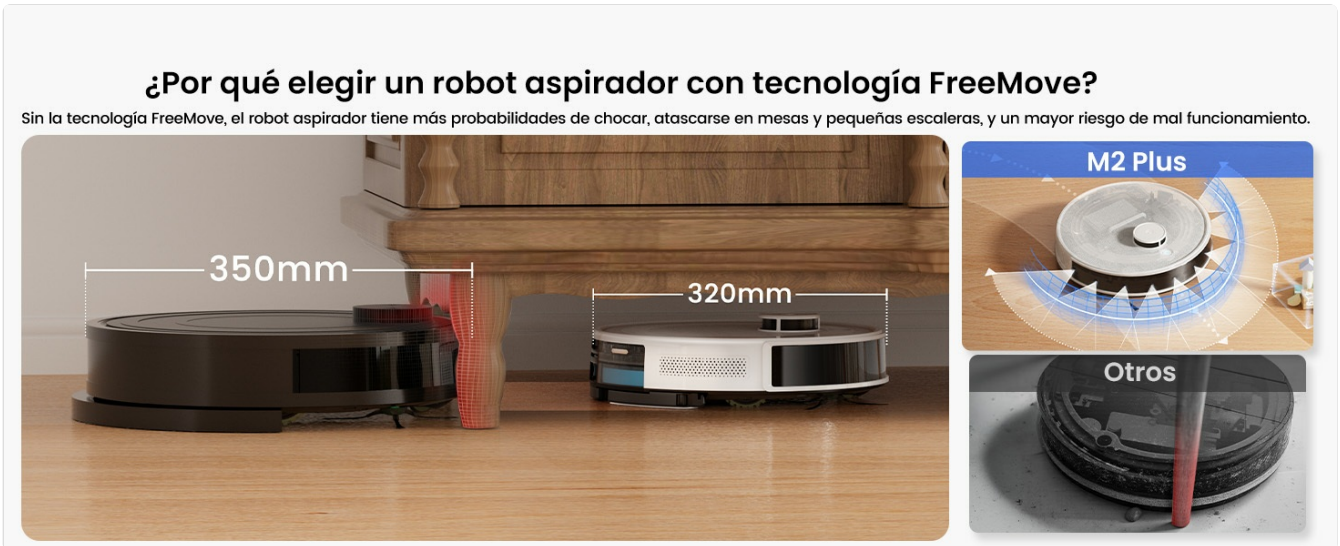


Figure 9: The advantage of FreeMove technology in avoiding collisions and getting stuck.

4. Automatic Carpet Detection and Boost

The M2 Plus features advanced carpet detection. When the mop holder is attached, it intelligently avoids carpets to keep them dry. When the mop holder is removed, it automatically increases suction to maximum (6000Pa) for deep cleaning on carpets.



Figure 10: Automatic carpet detection and suction boost for effective cleaning.

5. Customized Cleaning and App Control

The Lefant App provides extensive customization options, including setting water flow, suction power, defining no-go zones, and selecting specific rooms for cleaning. You can also schedule cleaning routines and control the robot remotely.



Figure 11: Setting personalized no-go zones through the app.

Zonas Prohibidas Personalizadas

Configurar Zonas Prohibidas te permite bloquear áreas específicas, evitando que el robot limpie lugares sensibles, lo que ahorra tiempo y batería, reduce colisiones y protege los muebles, ofreciendo una experiencia de limpieza más eficiente y personalizada.



Figure 12: Voice control functionality with Alexa and Google Assistant.



Figure 13: Comprehensive control from the Lefant App.

6. 75-Day Auto-Emptying Station

The M2 Plus comes with an auto-empty station that automatically transfers collected debris from the robot's dustbin into a larger 2.5L dust bag. This allows for up to 75 days of hands-free cleaning, significantly reducing the frequency of manual dustbin emptying.



Figure 14: Hands-free cleaning for up to 75 days with the auto-empty station.

7. Long Battery Life and Auto-Resume

With an upgraded battery, the M2 Plus can operate for up to 140 minutes, covering an area of up to 140 m². If the battery runs low during a cleaning cycle, the robot will automatically return to its charging station and resume cleaning from where it left off once sufficiently recharged.



Figure 15: Long-duration cleaning and automatic resume functionality.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Lefant M2 Plus.

1. General Cleaning

- Wipe the robot's exterior with a soft, dry cloth.
- Clean the charging contacts on both the robot and the charging station regularly with a dry cloth.
- Clean the cliff sensors and other sensors with a clean, dry cloth to ensure proper navigation.

2. Dustbin and Filter Maintenance

- Empty the robot's internal dustbin after each cleaning cycle.
- Clean the HEPA filter and sponge filter regularly. Tap the filter to remove dust, or rinse with water if heavily soiled (ensure it is completely dry before reinstallation).
- Replace the HEPA filter every 3-6 months, depending on usage.

3. Side Brush Maintenance

- Remove any hair or debris tangled around the side brushes.
- If brushes are worn or damaged, replace them with new ones.

4. Mop Cloth Maintenance

- Remove and clean the washable mop cloth after each mopping session.
- Replace disposable mop cloths as needed.

5. Auto-Empty Station Dust Bag Replacement

- Replace the dust bag in the auto-empty station when the indicator light signals it is full, or approximately every 75 days.
- Follow the instructions on the station to safely remove and replace the dust bag.

TROUBLESHOOTING

If you encounter issues with your Lefant M2 Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not turn on	Low battery; Power button not pressed	Charge the robot; Press and hold the power button for a few seconds.
Robot cannot connect to Wi-Fi	Incorrect Wi-Fi password; Router too far; 5GHz network not supported (check app instructions)	Verify password; Move robot closer to router; Ensure 2.4GHz network is used if 5GHz is not supported.
Robot gets stuck frequently	Too many obstacles; Cables or small objects on floor	Clear the cleaning area; Use no-go zones in the app for problematic areas.
Poor cleaning performance	Full dustbin; Clogged filter; Worn brushes	Empty dustbin; Clean/replace filter; Clean/replace side brushes.
Auto-empty station not emptying	Dust bag full; Obstruction in suction path	Replace dust bag; Check for and remove any blockages in the station's suction port.

For further assistance, please contact customer support.

SPECIFICATIONS

Feature	Specification
Brand	Lefant
Model Name	M2 Plus
Suction Power	6000 Pa
Battery Life	140 Minutes
Auto-Empty Station Capacity	2.5 Liters (up to 75 days)
Navigation Type	dToF Laser Navigation (15m scanning range)
Obstacle Avoidance	190° Omnidirectional PSD
Connectivity	5G WiFi / App / Alexa
Dimensions (L x W x H)	32 x 32 x 9.5 cm
Weight	6.12 Kilograms

Feature	Specification
Filter Type	HEPA
Noise Level	60 Decibels
Battery Composition	Lithium Ion
Voltage	19 Volts
Control Method	App, Voice
Compatible Devices	Smartphones

WARRANTY AND SUPPORT

Lefant products are designed for reliability and performance. For any questions, technical support, or warranty inquiries, please contact our customer service team.

Customer Support Email: support.eu@lefant.com

Please provide your model number (M2 Plus) and a detailed description of your issue when contacting support for faster service.