

OKP Life L1

OKP Life L1 Lidar Robot Vacuum Cleaner User Manual

Model: L1

1. INTRODUCTION

Thank you for choosing the OKP Life L1 Lidar Robot Vacuum Cleaner. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your device. Please read it thoroughly before use and retain it for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

To reduce the risk of injury or damage, read these safety instructions carefully and keep them handy when setting up, using, and maintaining your robot.

- This appliance can be used by children aged 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- Children should be supervised to ensure they do not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision.
- Only use the original power adapter provided by the manufacturer.
- Do not use the robot in environments with open flames or fragile objects.
- Ensure the robot is used on dry surfaces only.
- Keep hair, loose clothing, fingers, and all parts of the body away from openings and moving parts.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- OKP Life L1 Robot Vacuum Cleaner

- Charging Dock
- Power Adapter
- Side Brushes (2 pairs)
- HEPA Filter (1 extra)
- Cleaning Tool
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your OKP Life L1 robot vacuum.



Figure 4.1: Top view of the OKP Life L1 Lidar Robot Vacuum Cleaner alongside its mobile application interface. The robot is white with a dark grey Lidar sensor on top and a power button. The app shows cleaning status and control options.

Robot Components:

- **Lidar Sensor:** For precise navigation and mapping.
- **Power Button:** To start/pause cleaning or power on/off.
- **Dustbin:** Collects debris.
- **Side Brushes:** Sweep debris into the main brush path.
- **Main Brush Roll:** Agitates and lifts debris from floors.
- **Charging Contacts:** For automatic recharging at the dock.
- **Cliff Sensors:** Prevent the robot from falling down stairs.
- **Bumper:** Detects obstacles.

5. SETUP AND INITIAL USE

5.1 Preparing the Robot

1. Remove all protective films and stickers from the robot and charging dock.
2. Install the side brushes by pressing them onto the posts until they click.

5.2 Placing the Charging Dock

Place the charging dock against a wall in an open, uncluttered area. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides and 1.5 meters (4.9 feet) in front of the dock. Plug in the power adapter.

5.3 Initial Charge

Place the robot on the charging dock. The indicator light will show charging status. Fully charge the robot before its first use (approximately 5-6 hours).

5.4 Connecting to the OKP Life App

The OKP Life L1 supports remote control via the OKP Life App. This allows for scheduling, mode customization, and real-time monitoring.

1. Download the "OKP Life" app from your mobile device's app store.
2. Register an account and log in.
3. Follow the in-app instructions to add your L1 robot vacuum. Ensure your Wi-Fi network is 2.4GHz.

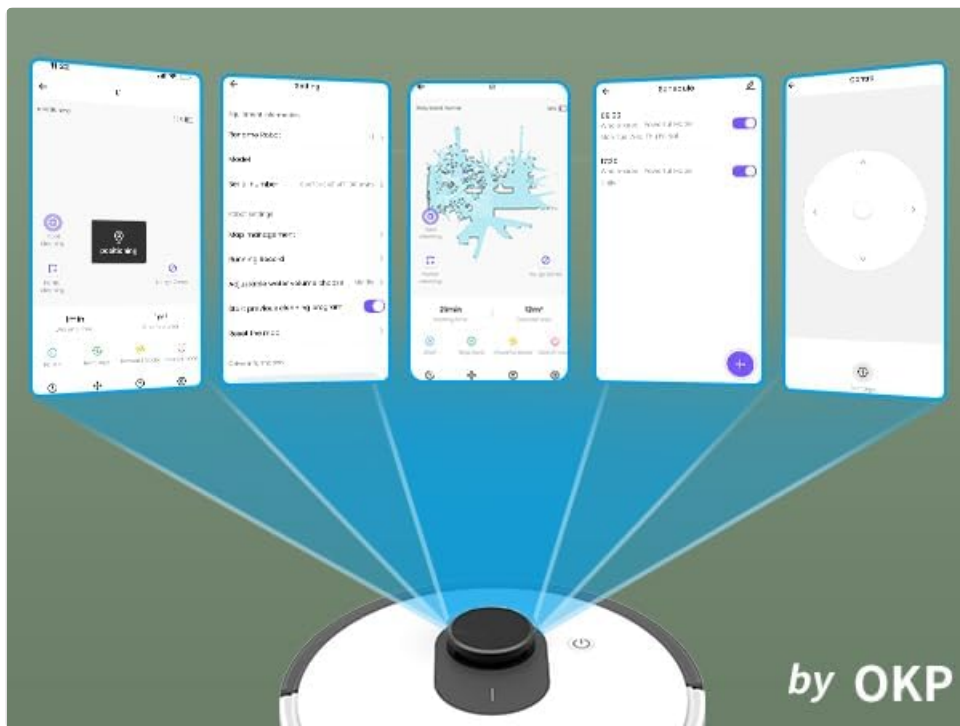


Figure 5.1: Various screenshots of the OKP Life mobile application, demonstrating features like device connection, settings, mapping, and remote control options.

5.5 Voice Control Integration

The L1 is compatible with Amazon Alexa and Google Assistant for hands-free operation.

1. Ensure your robot is connected to the OKP Life App.
2. Open the Alexa or Google Home app.
3. Search for the "OKP Life" skill/service and enable it.
4. Link your OKP Life account.
5. You can now use voice commands such as "Alexa, turn on L1" or "Hey Google, start cleaning with L1."



Figure 5.2: The OKP Life L1 robot vacuum on a rug, with an Amazon Echo Dot speaker and a smartphone displaying the control app. This illustrates the voice and app control capabilities.

6. OPERATING YOUR ROBOT VACUUM

6.1 Cleaning Modes and Navigation

The L1 utilizes advanced LDS laser radar and SLAM navigation to create accurate real-time maps of your home, optimizing cleaning routes and ensuring comprehensive coverage.

Precision LiDAR Navigation

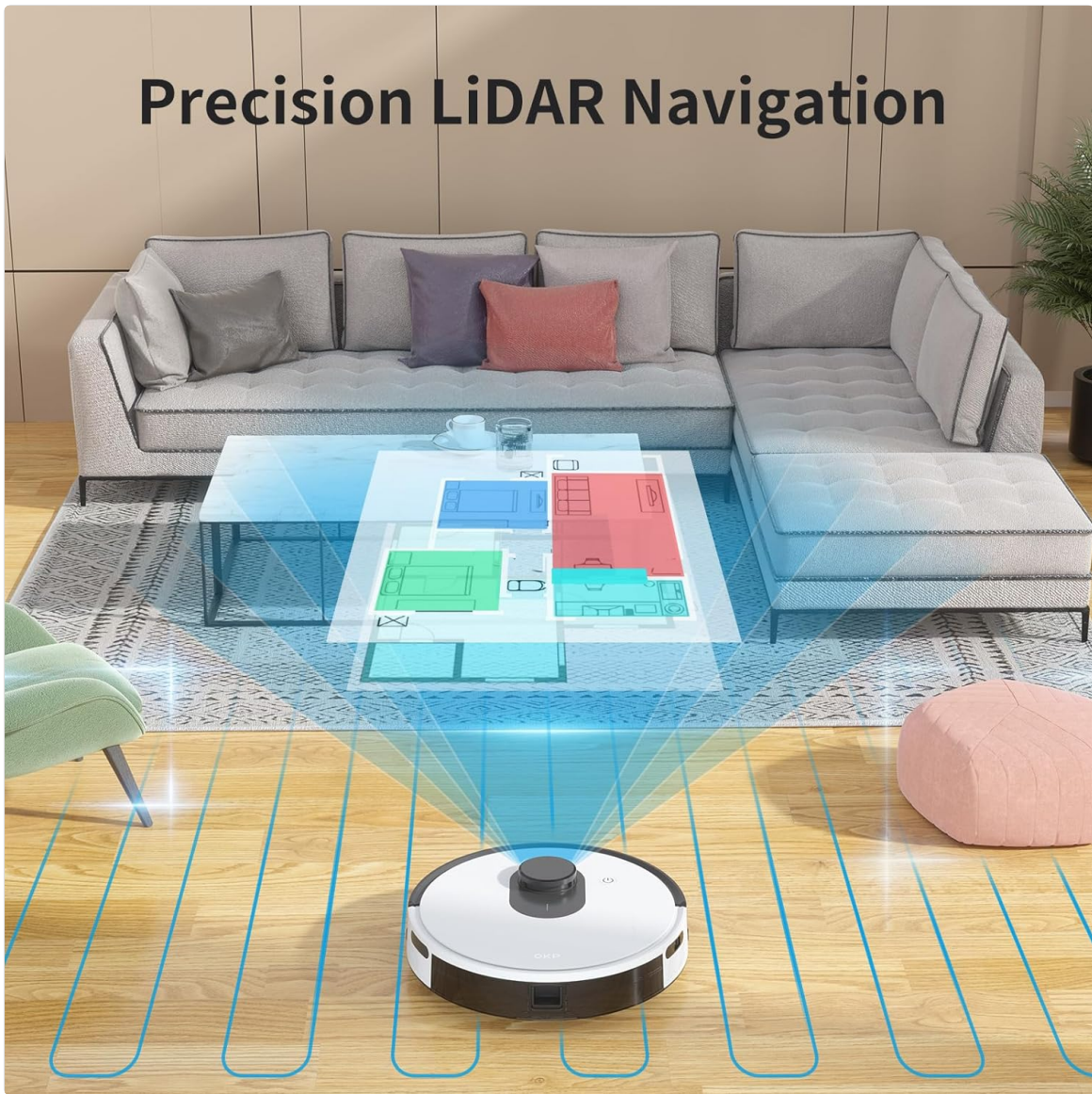


Figure 6.1: The OKP Life L1 robot vacuum navigating a living room, with blue lines illustrating its precision LiDAR mapping and navigation path.

The robot offers various cleaning modes accessible via the app:

- **Auto Clean:** The robot intelligently cleans your entire home.
- **Spot Clean:** Cleans a specific area with concentrated effort.
- **Zone Clean:** Select specific rooms or areas on the map for cleaning.
- **Scheduled Clean:** Set specific times for the robot to clean automatically.

LIDAR sensor allows you select a zone within the map to vacuum.



Figure 6.2: The OKP Life L1 robot vacuum next to a smartphone displaying its app, which shows a floor plan map where a user can select a specific zone for vacuuming using the LiDAR sensor data.



Figure 6.3: The OKP Life L1 robot vacuum on a rug, with a smartphone displaying the app's features including No-Go Zones, Real-time Mapping, Recharge Resume, Partial Cleaning, and Spot Cleaning.

6.2 Suction Power and Carpet Boost

The L1 features a 4000Pa suction motor for effective cleaning. It automatically increases suction power when detecting carpets for deeper cleaning.



Figure 6.4: The OKP Life L1 robot vacuum moving from a hard floor to a carpet, illustrating its ability to boost suction power for effective carpet cleaning.

6.3 No-Go Zones and Invisible Walls

Use the OKP Life App to define "No-Go Zones" or "Invisible Walls" to prevent the robot from entering specific areas or protecting fragile items.

No-Go Zones and Invisible Walls

Prevent entry into defined areas and protect fragile items.



Figure 6.5: The OKP Life L1 robot vacuum demonstrating its ability to respect "No-Go Zones" (preventing entry into a pet area) and "Invisible Walls" (blocking access to a specific room entrance).

6.4 Obstacle Avoidance

Freemove 3.0 obstacle avoidance technology ensures the robot navigates smoothly around furniture, stairs, walls, and pets, minimizing collisions and preventing it from getting stuck.



Figure 6.6: The OKP Life L1 robot vacuum cleaning a room, illustrating its efficient path planning and obstacle avoidance capabilities.

6.5 Battery Management

The robot features a 4000mAh battery, providing up to 200 minutes of continuous cleaning. When the battery is low or cleaning is complete, the robot automatically returns to its charging dock.

7. MAINTENANCE

Regular maintenance ensures optimal performance of your robot vacuum.

7.1 Emptying the Dustbin

Empty the dustbin after each cleaning cycle. Press the dustbin release button, remove the dustbin, and discard collected debris. Clean the filter inside the dustbin.

7.2 Cleaning the Main Brush Roll

The self-cleaning brush roll reduces hair tangles. However, periodically remove the main brush roll and use the provided cleaning tool to remove any tangled hair or debris.

7.3 Cleaning Side Brushes

Check side brushes regularly for wear or damage. Remove any tangled hair or debris. Replace worn brushes as needed.

7.4 Cleaning Sensors and Charging Contacts

Wipe the cliff sensors, bumper sensor, and charging contacts on both the robot and the charging dock with a clean, dry cloth to ensure proper function.

7.5 Filter Replacement

Replace the HEPA filter every 3-6 months, or more frequently depending on usage, to maintain optimal suction performance.

8. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Robot does not turn on.	Low battery; Power switch off.	Charge the robot; Ensure power switch is on.
Robot cannot return to charging dock.	Charging dock obstructed; Robot too far from dock.	Clear obstacles around the dock; Manually place robot near dock.
Suction power is weak.	Dustbin full; Filter clogged; Main brush tangled.	Empty dustbin; Clean/replace filter; Clean main brush.
Robot gets stuck frequently.	Loose cables/rugs; Small obstacles.	Clear floor of obstructions; Use No-Go Zones.
App connection issues.	Incorrect Wi-Fi (not 2.4GHz); Router issues.	Ensure 2.4GHz Wi-Fi; Restart router and robot; Re-pair in app.

9. SPECIFICATIONS

Feature	Detail
Brand	OKP Life
Model Name	L1 Lidar Robot Vacuum
Special Feature	HEPA Filtration, Vacuums
Color	Cloud White
Product Dimensions	12"L x 12"W x 3.5"H
Included Components	Battery
Battery Life	Up to 200 minutes (4000mAh battery)
Capacity (Dustbin)	500 Milliliters

Feature	Detail
Batteries Required	1 Lithium Ion battery (included)
Compatible Devices	Amazon Echo, Google Home, Smartphones
Item Weight	7 pounds
Manufacturer	OKP Life
Item Model Number	L1

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official OKP Life website or contact their customer service. Keep your purchase receipt as proof of purchase.

Online Support: Visit the official OKP Life website for FAQs, troubleshooting guides, and contact information.

Customer Service: Refer to your product packaging or the OKP Life website for specific customer service contact details.