

Laresar L6 Pro

Laresar L6 Pro Robot Vacuum Cleaner User Manual

Model: L6 Pro

1. PRODUCT OVERVIEW

The Laresar L6 Pro is an advanced 3-in-1 robot vacuum cleaner designed to provide efficient and intelligent cleaning for your home. It combines sweeping, vacuuming, and mopping functionalities with powerful suction, precise LiDAR navigation, and convenient smart control via app and voice commands. Its automatic dust collection station offers up to 60 days of hands-free operation, ensuring a clean and hygienic living environment.



Figure 1.1: Laresar L6 Pro Robot Vacuum Cleaner and Auto-Empty Station

Key Features:

- **Ultra-Efficient 4000 Pa Suction:** Automatically adjusts suction power for deep cleaning on various floor types, including wood, ceramic, and carpets.
- **60-Day Hands-Free Auto-Emptying:** The 3.5L automatic dust collection station stores dirt for up to 60 days, minimizing manual emptying.
- **3-in-1 Sweeping, Vacuuming, and Mopping:** Equipped with a 300ml dust box and 250ml water tank, offering simultaneous cleaning. Y-shaped mopping mimics manual cleaning.
- **Smart Voice and App Control:** Compatible with Alexa and Google Assistant. The Laresmart app allows real-time monitoring, cleaning mode selection, suction/water volume adjustment, and scheduling.
- **Advanced LiDAR Navigation:** Generates precise maps quickly, enabling efficient cleaning paths, no-go zones, and virtual walls.
- **TOF Sensor:** Ensures precise edge cleaning along walls without missing spots.
- **Long Battery Life:** 5200mAh battery provides up to 250 minutes of cleaning, covering approximately 200 m² on a single charge.

3500Pa

Powerful Suction



Figure 1.2: Powerful Suction Capability

60-Day

Dust Collection Capacity



3.5L



Figure 1.3: 60-Day Dust Collection Capacity

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before using the appliance and keep this manual for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- This appliance is for indoor use only. Do not use it outdoors or in commercial/industrial environments.
- Do not use the robot in wet environments or on surfaces with standing water.

- Keep the robot and its accessories away from children and pets.
- Use only the original charging base and power adapter provided by the manufacturer.
- Ensure the power voltage matches the voltage indicated on the charging base.
- Before cleaning, remove any loose cables, small objects, or fragile items from the floor to prevent entanglement or damage.
- Do not operate the robot near open flames or flammable materials.
- Do not sit on the robot or place heavy objects on it.
- If the power cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- Do not use the robot to pick up large debris, sharp objects, or liquids.
- Always turn off the robot and unplug the charging base before performing any maintenance or cleaning.

3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items listed below are present and in good condition. If any items are missing or damaged, please contact Laesar customer support.



Mop Cloth *2



Side Brush *2



Cleaning Knife *1



L6 Pro Robot Vacuum Cleaner *1



Two-in-One Water Tank *1



Filter Screen *2



Main Brush *1



Disposable Mop Cloth *10



Dust Bag *5



Dust Collection Charging Base *1

Figure 3.1: All Included Components

- Laresar L6 Pro Robot Vacuum Cleaner × 1
- Dust Collection Charging Base × 1
- Two-in-One Water Tank × 1
- Main Brush × 1
- Side Brush × 2
- Mop Cloth × 2
- Disposable Mop Cloth × 10

- Filter Screen ×2
- Dust Bag ×5
- Cleaning Knife ×1
- User Manual ×1

4. SETUP

4.1 Placing the Charging Base

1. Place the charging base against a wall in an open, uncluttered area.
2. Ensure there is at least 0.5 meters (1.6 feet) of clear space on both sides of the base and 1.5 meters (4.9 feet) in front of it.
3. Plug the power cord into the charging base and connect it to a power outlet. Ensure the indicator light on the base is on.

4.2 Initial Charging

1. Place the robot vacuum onto the charging base, ensuring the charging contacts align.
2. The robot will automatically begin charging. For first-time use, fully charge the robot before operation (approximately 4-5 hours).

4.3 Installing Components

1. **Side Brushes:** Press the side brushes onto the square posts at the bottom of the robot until they click into place.
2. **Two-in-One Water Tank:** Open the cover, fill with clean water (and a small amount of neutral cleaning solution if desired, as per manufacturer guidelines), and close the cover. Slide the tank into the designated slot at the rear of the robot until it locks.
3. **Dust Bag (in Auto-Empty Station):** Ensure a dust bag is properly installed in the auto-empty station. Replace when full.

5. OPERATING THE ROBOT VACUUM

5.1 Power On/Off

- **Power On:** Press and hold the power button on the robot for a few seconds until the indicator lights up.
- **Power Off:** Press and hold the power button for a few seconds until the indicator lights turn off.

5.2 Starting/Pausing Cleaning

- **Start Cleaning:** Press the power button once on the robot, or use the Laresmart app to start a cleaning cycle. The robot will automatically return to the charging base when cleaning is complete or battery is low.
- **Pause Cleaning:** Press the power button once during operation to pause. Press again to resume.

5.3 Laresmart App Control

The Laresmart app provides comprehensive control and customization options for your L6 Pro robot vacuum.

1. **Download App:** Search for "Laresmart" in your mobile app store (iOS/Android) and download.
2. **Register/Login:** Create an account or log in.

3. **Add Device:** Follow the in-app instructions to add your L6 Pro. Ensure your phone is connected to a 2.4GHz Wi-Fi network.



Figure 5.1: App Control Interface

5.4 Cleaning Modes (via App)

- **Auto Clean:** The robot intelligently plans a cleaning path for the entire area.
- **Spot Clean:** Directs the robot to intensively clean a specific small area.
- **Zone Clean:** Allows you to define specific zones on the map for the robot to clean.

- **Y-shaped Mopping:** Mimics manual mopping for a deeper clean.
- **Custom Clean:** Set specific rooms or areas to be cleaned.

Imitation of Manual Wiping



Figure 5.2: Y-shaped Mopping Pattern

5.5 Advanced Navigation and Mapping

The L6 Pro uses advanced LiDAR navigation to create accurate maps of your home.

- **Map Management:** View, edit, and save maps in the app.
- **No-Go Zones/Virtual Walls:** Draw virtual boundaries on the map to restrict the robot from entering certain areas.

- **Scheduled Cleaning:** Set specific times for the robot to clean automatically.

Lidar Navigation

SLAM Technology-Accurate scanning and mapping



Figure 5.3: LiDAR Navigation System

TOF Sensor

Clean straight along
the wall without missing



Figure 5.4: TOF Sensor for Edge Cleaning

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your Laesar L6 Pro. Always power off the robot and unplug the charging base before performing maintenance.

6.1 Emptying the Dustbin / Auto-Empty Station

- **Robot Dustbin:** Open the robot's top cover, remove the dustbin, empty its contents, and clean with the provided

cleaning tool.

- **Auto-Empty Station Dust Bag:** The station will automatically empty the robot's dustbin into a sealed dust bag. Replace the dust bag when the LED indicator on the station or the app indicates it is full (approximately every 60 days).

6.2 Cleaning Brushes

- **Main Brush:** Remove the main brush cover, lift out the main brush. Use the cleaning knife to cut and remove any hair or debris tangled around the brush. Clean the brush compartment.
- **Side Brushes:** Pull the side brushes off their posts. Remove any hair or debris. If damaged, replace with new ones.

6.3 Cleaning Filters

- Remove the filter from the dustbin. Tap it gently to remove dust. Do not wash the HEPA filter with water. Replace filters every 3-6 months depending on usage.

6.4 Cleaning Sensors and Charging Contacts

- Wipe all sensors (cliff sensors, wall sensor, TOF sensor) and charging contacts on both the robot and the charging base with a clean, dry cloth.

6.5 Cleaning Mop Cloth

- Remove the mop cloth from the water tank. Wash it with water and mild detergent. Air dry completely before reattaching. Replace disposable mop cloths after each use.

7. TROUBLESHOOTING

If you encounter any issues with your Laesar L6 Pro, please refer to the following common problems and solutions. If the problem persists, contact Laesar customer support.

Problem	Possible Cause	Solution
Robot does not power on.	Low battery; Power button not pressed long enough.	Place robot on charging base; Press and hold power button for 3 seconds.
Robot cannot charge.	Charging contacts are dirty; Charging base not powered.	Clean charging contacts on robot and base; Ensure charging base is plugged in and powered.
Robot gets stuck frequently.	Too many obstacles; Robot stuck on high threshold.	Clear obstacles from cleaning path; Use no-go zones for problematic areas.
Suction power is weak.	Dustbin full; Filter clogged; Main brush tangled.	Empty dustbin; Clean/replace filter; Clean main brush.
Robot cannot connect to Wi-Fi.	Incorrect Wi-Fi password; Not 2.4GHz network; Router too far.	Verify password; Connect to 2.4GHz Wi-Fi; Move robot closer to router.
Mopping function not working.	Water tank empty; Mop cloth not installed; Water outlet clogged.	Fill water tank; Install mop cloth correctly; Clean water outlet.

8. SPECIFICATIONS

Feature	Specification
Brand	Laresar
Model Number	L6 Pro (CRV53517)
Color	Black
Product Dimensions (L x W x H)	35.05 x 35.05 x 6.6 cm (13.8 x 13.8 x 2.6 inches)
Item Weight	9.98 Kilograms (22 lbs)
Dust Collection Capacity	3.5 Liters (Auto-Empty Station)
Voltage	230 Volts
Noise Level	15 dB
Battery Life (Runtime)	Up to 250 minutes (4 hours 10 minutes)
Battery Type	Lithium Metal
Product Compatibility	Alexa, Google Assistant
Surface Recommendation	Carpet, Wood
Filter Type	HEPA

250mins Battery Life

Clean 200 m² at one full charge

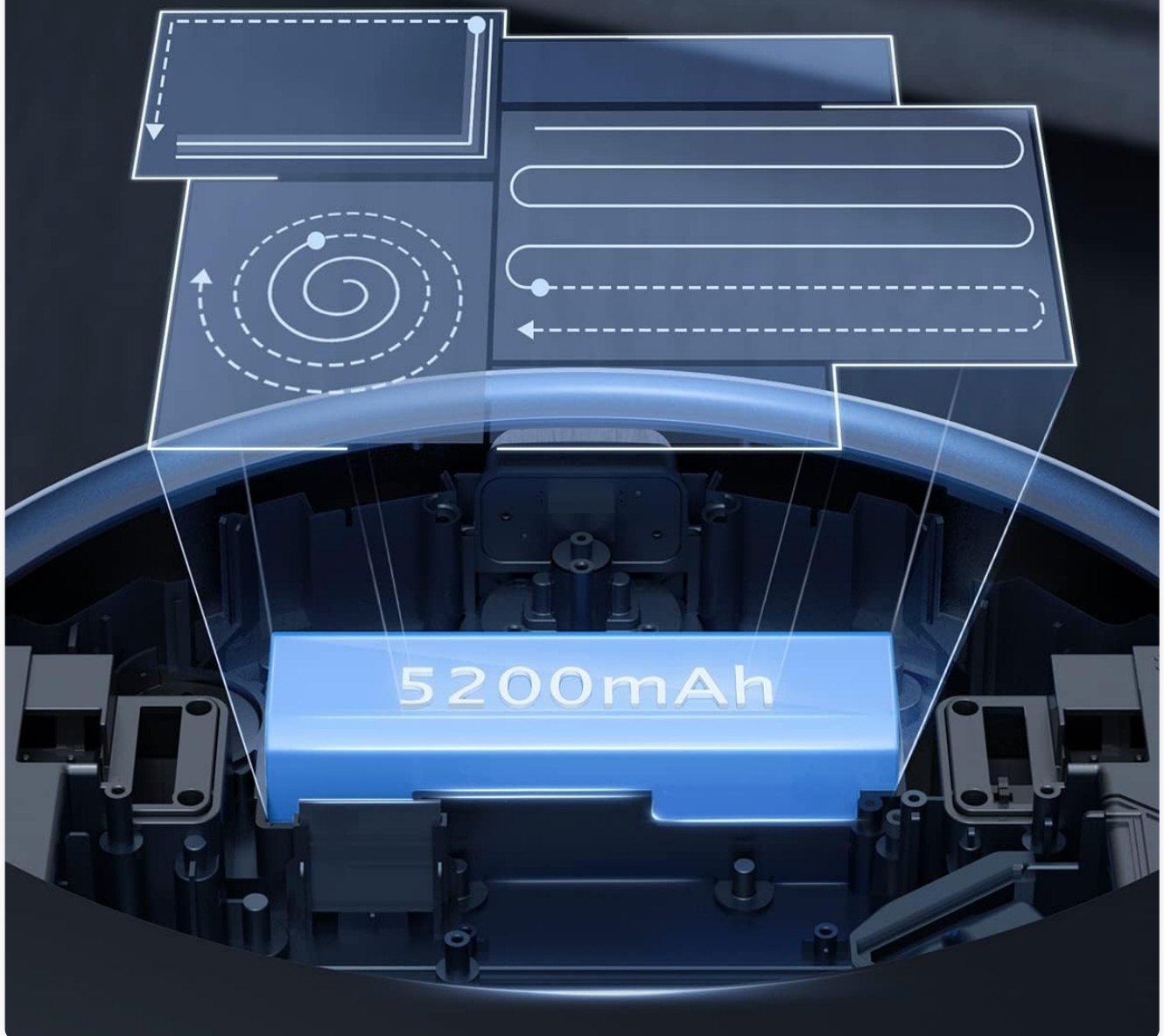


Figure 8.1: Battery Life and Coverage

9. WARRANTY AND SUPPORT

Laresar is committed to product quality and customer satisfaction. We offer the following support for your L6 Pro robot vacuum cleaner:

- **2-Year Warranty:** Your Laresar L6 Pro is covered by a 2-year warranty from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use.
- **Lifetime Technical Support:** We provide lifetime technical support for your product. Our after-sales team is

dedicated to assisting you with any questions or issues you may encounter.

- **Responsive Customer Service:** Our support team aims to provide a quick response within 24 hours. Please do not hesitate to contact us if you have any questions or suggestions.

For support, please refer to the contact information provided on the Laesar official website or your purchase platform.

