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Lubluelu SL60D

Lubluelu SL60D Robot Vacuum Cleaner and Mop User Manual

Model: SL60D

Brand: Lubluelu

1. INTRODUCTION

Thank you for choosing the Lubluelu SL60D Robot Vacuum Cleaner and Mop. This device is designed to provide efficient and convenient floor cleaning, combining powerful vacuuming with effective mopping capabilities. Equipped with advanced LiDAR navigation, smart mapping, and app control, the SL60D offers a comprehensive cleaning solution for various floor types. Please read this manual thoroughly before use to ensure proper operation and maintenance.



Image: The Lubluelu SL60D robot vacuum cleaner, showcasing its sleek black design with blue illuminated patterns on top, alongside its charging dock and mop attachment.

2. SAFETY INFORMATION

To reduce the risk of injury or damage, read these safety instructions carefully and keep them for future reference.

- Do not allow children to operate the robot. Supervise children and pets when the robot is operating.
- Use only the original power adapter and charging dock provided by the manufacturer.
- Ensure the robot is turned off and unplugged before cleaning or performing maintenance.
- Do not use the robot in wet environments or on wet surfaces.
- Remove any loose cables, small objects, or fragile items from the cleaning path to prevent entanglement or damage.
- The mopping function is not recommended for use on carpets.
- Avoid placing the robot near open flames or heat sources.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- Lubluelu SL60D Robot Vacuum Cleaner
- Charging Dock
- Power Adapter
- Water Tank and Mop Pad Assembly
- Side Brushes (2 pairs)
- Cleaning Tool
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your robot vacuum.

Robot Components

- **LDS Sensor:** For precise navigation and mapping.
- **Power/Clean Button:** To start/pause cleaning or power on/off.
- **Home/Recharge Button:** To send the robot back to the charging dock.
- **Dust Bin:** Collects debris during vacuuming.
- **Water Tank:** Holds water for mopping.
- **Main Brush:** Central roller brush for deep cleaning.
- **Side Brushes:** Sweep debris into the main brush path.
- **Cliff Sensors:** Prevent the robot from falling down stairs.
- **Bumper:** Detects obstacles.

3 Adjustable Water Levels

Select the level of water to mop via the mobile app



Image: The Lublu SL60D robot vacuum demonstrating its mopping function with three adjustable water levels, highlighting its compact 9.4cm height.

5. SETUP

5.1 Charging Dock Placement

- 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 of the dock and 1.5 meters (4.9 feet) in front.
- Connect the power adapter to the charging dock and plug it into a power outlet.

5.2 Initial Charging

Place the robot on the charging dock. The robot will automatically align and begin charging. For first-time use, fully charge the robot before operation (approximately 4-5 hours).

5.3 App Installation & Connection

Download the 'Smart Life' app from your mobile app store. Follow the in-app instructions to connect your robot vacuum. Ensure your Wi-Fi network is 2.4GHz, as the robot only supports this frequency.



Image: The Lubluelu SL60D robot vacuum with a smartphone displaying the control app interface, showing various cleaning modes and compatibility with Amazon Alexa and Google Home.

5.4 Lidar Mapping

The SL60D utilizes LDS 9.0 LiDAR navigation for accurate mapping. During its first cleaning cycle, the robot will create a detailed map of your home. Ensure all doors are open to allow the robot to map all desired areas.

LDS9.0 LiDAR Navigation-8m Range

Faster mapping and efficient route planning



Image: The Lubluelu SL60D robot vacuum actively mapping a living room using its LDS 9.0 LiDAR navigation, with an 8-meter range, displayed on a smartphone screen.

6. OPERATING

6.1 Cleaning Modes

The robot supports various cleaning modes accessible via the app:

- **Automatic Cleaning:** The robot cleans the entire mapped area systematically.
- **Edge Cleaning:** The robot cleans along walls and furniture edges.
- **Zone Cleaning:** Define specific areas on the map for the robot to clean.
- **Spot Cleaning:** Direct the robot to clean a concentrated area.
- **Double Cleaning:** The robot performs two cleaning passes for thoroughness.
- **Scheduled Cleaning:** Set specific times for the robot to clean automatically.
- **Y-shaped Mopping:** Mimics manual mopping for effective wet cleaning.



Image: An illustration showing the Lubluelu SL60D robot vacuum performing assigned area cleaning and spot cleaning within a house layout, controlled via a mobile app.



Image: The Lubluelu SL60D robot vacuum performing edge cleaning along a wall, with the cleaning path shown on a smartphone app.

6.2 Suction Power Adjustment

The SL60D offers 3 levels of suction power, up to 4000Pa. Adjust the suction level via the app to suit different floor types and cleaning needs. The robot automatically increases suction on carpets for deeper cleaning.

4000Pa Strong Suction Power

3 levels of suction power adjustment, up to 4000 Pa



Brushless
Motor



Wide Cleaning
Area



High Efficiency
Filtration



Image: An internal view of the Lubluelu SL60D robot vacuum highlighting its brushless motor, wide cleaning area, and high-efficiency filtration, contributing to its 4000Pa suction power.

6.3 Water Level Adjustment

When using the mopping function, select from 3 levels of water flow (High/Medium/Low) via the mobile app to control the dampness of the mop pad, suitable for various floor types.

2-in-1 Vacuum and Mop

Easy cleaning of cat hair, dog hair and long hair



Image: The Lubluelu SL60D robot vacuum cleaning a hard floor, demonstrating its 2-in-1 vacuum and mop capability, with pet hair and debris visible on the floor.

6.4 No-Go Zones / Virtual Walls

Set up to 10 restricted areas (No-Go Zones) or virtual walls on the app map to prevent the robot from entering specific areas, such as pet areas, children's play areas, or areas with delicate items. You can also define No-Mop Zones.

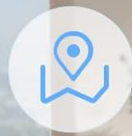


Image: An illustration showing how to set up virtual walls, no-mop zones, and no-go zones on the map for the Lubluelu SL60D robot vacuum, with children playing in a designated safe area.

6.5 Multi-floor Mapping

The SL60D can save up to 5 different maps, allowing you to customize cleaning schedules and settings for multiple floors in your home without re-mapping each time.

5 Floor Mapping



Save up to
5 maps



Map
customization



Image: The Lubluelu SL60D robot vacuum illustrating its capability to save up to 5 floor maps, with different floor plans shown in the background.

6.6 Continuous Cleaning (Breakpoint)

If the battery level drops to 15% during a cleaning cycle, the robot will automatically return to the charging dock. Once charged to 80%, it will resume cleaning from where it left off.

Continuous Cleaning After Breakpoints

When the power drops to 15%, the machine automatically recharges and when it reaches 80%, the machine returns to the break point to continue cleaning



Image: A diagram showing the Lubluelu SL60D robot vacuum returning to its charging dock when the battery is low and then resuming cleaning from the breakpoint.

6.7 Voice Control

The Lubluelu SL60D is compatible with Amazon Alexa and Google Assistant. Connect your robot to these voice assistants via the 'Smart Life' app to control cleaning with voice commands.



Image: A woman using voice commands to control the robot vacuum via Amazon Alexa or Google Assistant, demonstrating smart home integration.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your robot vacuum.

7.1 Dust Bin Cleaning

- Press the dust bin release button and pull out the dust bin.
- Open the dust bin cover and empty its contents.
- Remove the filter and tap it to remove dust. Rinse the dust bin with water if necessary, but ensure it is completely dry before re-installing.

7.2 Brush Cleaning

- **Main Brush:** Remove the main brush cover and lift out the brush. Use the cleaning tool to remove hair and debris tangled around the brush.
- **Side Brushes:** Periodically check side brushes for wear or damage. Remove tangled hair or debris. Replace if worn.

7.3 Water Tank/Mop Pad Cleaning

- After each mopping session, remove the water tank and empty any remaining water.
- Detach the mop pad and rinse it thoroughly with water. Allow it to air dry completely before reattaching.

7.4 Sensor Cleaning

- Wipe the cliff sensors, bumper sensor, and charging contacts with a clean, dry cloth.
- Ensure the LiDAR sensor on top is free from dust or obstructions.

8. TROUBLESHOOTING

If you encounter issues with your robot vacuum, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Robot does not turn on	Low battery; Power switch off	Charge the robot; Ensure power switch is on.
Robot gets stuck frequently	Obstacles; Uneven surfaces	Clear cleaning path; Use No-Go Zones for problematic areas.
Poor cleaning performance	Full dust bin; Clogged brushes/filter	Empty dust bin; Clean brushes and filter.
Mopping not effective	Dry mop pad; Low water level; Clogged water outlet	Wet mop pad before use; Refill water tank; Clean water tank outlet.
Cannot connect to Wi-Fi	Incorrect Wi-Fi band; Weak signal	Ensure 2.4GHz network; Move robot closer to router.

9. SPECIFICATIONS

Feature	Specification
Brand	Lubluelu
Model	SL60D
Suction Power	Up to 4000Pa
Navigation Type	LDS 9.0 LiDAR
Cleaning Modes	Auto, Edge, Zone, Spot, Double, Scheduled, Y-shaped Mopping
Water Flow Levels	3 (High/Medium/Low)
No-Go Zones	Up to 10
Map Storage	Up to 5 maps
Runtime	Up to 2 hours
Noise Level	55 dB
Product Dimensions	32.5 x 32.5 x 9.4 cm
Item Weight	4.5 kg
Compatible with	Smartphones, Amazon Alexa, Google Home
Surface Recommendation	Hard floor, Wooden floor, Tile, Low Carpet, Laminate

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product packaging or visit the official Lubluelu website. You may also contact Lubluelu customer service directly for assistance.