

ILIFE A11

ILIFE A11 Robot Vacuum and Mop Combo User Manual

Model: A11

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ILIFE A11 Robot Vacuum and Mop Combo. Please read it thoroughly before using the product and retain it for future reference. The ILIFE A11 is designed to provide automated cleaning for various floor types, combining vacuuming and mopping functionalities with advanced navigation.

2. SAFETY INSTRUCTIONS

To reduce the risk of injury or damage, read these safety instructions carefully. 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 shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

- Do not operate the robot in wet environments or near liquids.
- Ensure the charging dock is placed on a flat surface against a wall, with clear space around it.
- Remove any loose cables, small objects, or fragile items from the cleaning path to prevent entanglement or damage.
- Do not allow the robot to pick up large debris, sharp objects, or burning materials.
- Use only the original power adapter and charging dock provided by ILIFE.
- Do not attempt to repair or modify the robot yourself. Contact authorized service personnel.
- 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 and in good condition upon unpacking.

- ILIFE A11 Robot Vacuum and Mop
- Charging Dock

- Power Adapter
- 2-in-1 Dustbin and Water Tank (300ml dustbin, 200ml water tank)
- Extra 450ml Dustbin
- Side Brushes (2 pairs)
- Main Brush (pre-installed, type may vary)
- Mop Cloths (2)
- Cleaning Tool
- User Manual (this document)

4. PRODUCT OVERVIEW

The ILIFE A11 is an advanced robotic cleaner designed for comprehensive floor maintenance. It integrates vacuuming and mopping capabilities, guided by precise navigation technology.

Key Features

- **Advanced LiDAR Navigation 2.0:** The robot utilizes LiDAR technology to scan its surroundings 360 degrees, creating accurate maps of your home and calculating optimal cleaning routes.
- **Powerful 4000Pa Suction:** Equipped with a strong motor, the A11 offers up to 4000Pa suction power across four modes (Quiet, Spot, Edge, Max) to effectively clean various debris on different floor types.
- **Real 2-in-1 Vacuum and Mop:** Features an integrated 300ml dustbin and 200ml water tank for simultaneous vacuuming and mopping. An additional 450ml dustbin is included for vacuum-only tasks.
- **Extended 150-minute Runtime:** A high-capacity battery allows for up to 150 minutes of continuous cleaning, covering large areas on a single charge.
- **ILIFEVAC App Control:** Manage your robot remotely via the dedicated app. Customize cleaning areas, set no-go zones, schedule cleaning times, and monitor cleaning progress.

Robot Components



LiDAR 2.0 Technology

A11 quickly recognizes and maps of your home.

3000/s
Sampling Rate

8m
Maximum Range

Slam
Algorithm



Figure 4.1: Top view of the ILIFE A11 Robot Vacuum and Mop Combo, showing its sleek design and central LiDAR sensor.



Hand Mopping Simulation

Deep cleans in a Y cleaning path which simulates hand mopping.



Figure 4.2: Diagram illustrating the LiDAR 2.0 navigation system, which enables the robot to map its environment with high precision.



4000Pa Superb Suction Power

Collects all kinds of mess without tangling.



40W Rated Power



4 Suction Modes



Figure 4.3: The robot demonstrating its 4000Pa suction power, effectively collecting debris from the floor.



150mins Long-Lasting Runtime

Up to 150mins cleaning time, covering up to 2,690 ft² of areas.



Figure 4.4: The 2-in-1 dustbin and water tank being inserted into the robot, highlighting its dual cleaning functionality.



New Exclusive APP

Customize your cleaning with better user experience.



Figure 4.5: Screenshot of the ILIFEVAC app interface, showing options for scheduling, multi-floor mapping, and customizing cleaning areas.

5. SETUP

5.1 Charging Dock Placement

Place the charging dock on a hard, level surface against a wall. Ensure there is at least 1 meter (3 feet) of clear space on both sides and 2 meters (6 feet) in front of the dock for optimal navigation and return.

5.2 Initial Charge

Connect the power adapter to the charging dock and plug it into a wall outlet. Place the robot onto the charging dock. For first-time use, charge the robot for at least 6 hours to ensure the battery is fully conditioned.

5.3 Installing Side Brushes

Flip the robot over. Align the side brushes with the corresponding posts (L and R) on the bottom of the robot and press them down until they click into place.

5.4 App Download and Connection

Download the "ILIFEVAC" app from your smartphone's app store. Follow the in-app instructions to connect your robot to your home Wi-Fi network. This will enable advanced features like remote control, scheduling, and map management.

6. OPERATING

6.1 Starting a Cleaning Cycle

Press the power button on the robot or use the "Clean" button in the ILIFEVAC app to start an automatic cleaning cycle. The robot will use its LiDAR navigation to map and clean your home efficiently.

6.2 Cleaning Modes

The ILIFE A11 offers several cleaning modes, selectable via the app:

- **Auto Mode:** The robot intelligently cleans the entire area.
- **Spot Mode:** Cleans a specific concentrated area with increased intensity.
- **Edge Mode:** The robot cleans along walls and furniture edges.
- **Max Mode:** Provides maximum suction power for deep cleaning.

6.3 Using the Mopping Function

To use the mopping function, ensure the 2-in-1 dustbin and water tank is filled with water and the mop cloth is attached. Select the mopping option in the app. The robot will follow a Y-shaped cleaning path to simulate hand mopping.



Figure 6.1: The robot performing its mopping function, illustrating the Y-shaped cleaning pattern for thorough floor coverage.

6.4 Multi-Floor Mapping and No-Go Zones

The ILIFEVAC app allows you to save multiple floor maps and define virtual no-go zones or virtual walls to restrict the robot from entering specific areas. This is particularly useful for multi-level homes or areas with delicate items.

Video 6.1: Official product video demonstrating the ILIFE A11's LiDAR navigation and cleaning capabilities, including its vacuum and mop functions.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your ILIFE A11. Always power off the robot before performing any maintenance.

7.1 Emptying the Dustbin

Press the dustbin release button and pull out the dustbin. Open the dustbin cover and empty its contents into a trash bin. It is recommended to empty the dustbin after each cleaning cycle.

7.2 Cleaning Filters

Remove the filters from the dustbin. Tap them gently to remove dust. The primary filter can be rinsed with water, but ensure it is completely dry before reinstallation. The high-efficiency filter should not be washed.

7.3 Cleaning Main Brush and Side Brushes

Remove the main brush cover and lift out the main brush. Use the provided cleaning tool to remove hair and debris tangled around the brush. Detach the side brushes and clean any hair or debris from them and their posts.

7.4 Cleaning Water Tank and Mop Cloth

After mopping, remove the water tank, empty any remaining water, and rinse it. Detach the mop cloth and wash it by hand or machine. Allow the mop cloth to air dry completely before reattaching.

7.5 Cleaning Sensors

Wipe the cliff sensors, wall sensors, and charging contacts on both the robot and the charging dock with a clean, dry cloth. Keep the LiDAR sensor clean and free from obstructions.

8. TROUBLESHOOTING

If your ILIFE A11 encounters issues, refer to this section for common problems and solutions.

Problem	Possible Cause	Solution
Robot does not start or respond.	Low battery; Power switch off; Robot stuck.	Charge the robot; Ensure power switch is ON; Clear obstructions.
Robot gets stuck frequently.	Loose cables; Small obstacles; Uneven surfaces.	Clear cleaning path; Use no-go zones in app; Check for tangled brushes.
Poor cleaning performance.	Full dustbin; Clogged filters; Worn brushes.	Empty dustbin; Clean/replace filters; Clean/replace brushes.
Robot cannot find charging dock.	Dock obstructed; Dock not powered; Robot too far.	Ensure clear space around dock; Check power connection; Manually place robot on dock.
App connectivity issues.	Incorrect Wi-Fi password; Router issues; Robot too far from router.	Verify Wi-Fi credentials; Restart router; Move robot closer to router during setup.
Mopping function not working.	Water tank empty; Mop cloth not attached; Water outlet clogged.	Fill water tank; Attach mop cloth correctly; Clean water tank outlet.

9. SPECIFICATIONS

Technical specifications for the ILIFE A11 Robot Vacuum and Mop Combo.

Feature	Detail
Brand	ILIFE

Feature	Detail
Model Name	A11 Robot Vacuum Cleaner
Surface Recommendation	Hard Floor, Carpet, Pet Hair
Product Dimensions (L x W x H)	13.78" x 13.78" x 3.72"
Controller Type	App Control
Filter Type	Cartridge
Battery Life	Up to 3 Hours (150 minutes)
Battery Type	Lithium Ion
Dustbin Capacity	0.3 liters (2-in-1 tank), 0.45 liters (extra dustbin)
Water Tank Capacity	0.2 liters (2-in-1 tank)
Power Source	Battery Powered
Control Method	App
Form Factor	Robotic
Model Number	A11

10. WARRANTY AND SUPPORT

10.1 Manufacturer Warranty

The manufacturer provides a 12-month warranty for this robot from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear.

10.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please contact ILIFE customer support. Refer to the contact information provided on the ILIFE official website or your purchase documentation. Please have your model number (A11) and purchase receipt ready when contacting support.