

Mammotion LUBA 3000HX

Mammotion LUBA 2 AWD 3000HX Robot Lawn Mower User Manual

Model: LUBA 3000HX

INTRODUCTION

Welcome to the world of intelligent lawn care with the Mammotion LUBA 2 AWD 3000HX Robot Lawn Mower. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new robotic mower. Please read it thoroughly to ensure safe and optimal performance of your LUBA 2 AWD 3000HX.



The Mammotion LUBA 2 AWD 3000HX Robot Lawn Mower, designed for efficient and autonomous lawn maintenance.

SETUP

Proper setup is crucial for the performance of your LUBA 2 AWD 3000HX. Follow these steps carefully.

1. Unboxing and Component Check

Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged.

2. Charging Station Placement

Select a suitable location for the charging station. It should be on a flat, level surface with access to a power outlet, and in an area with good RTK signal reception, free from obstructions like tall buildings or dense trees. Ensure there is enough clear space around the station for the mower to dock easily.

3. Initial Charging

Connect the charging station to power. Place the LUBA 2 AWD 3000HX onto the charging station. Allow the mower to fully charge before its first operation. The app will indicate the charging status.

4. App Download and Connection

Download the Mammotion app from your device's app store. Follow the in-app instructions to connect your LUBA 2 AWD 3000HX to your smartphone via Bluetooth or Wi-Fi. This app is essential for controlling and managing your mower.

5. Lawn Mapping (Perimeter Wire-Free)

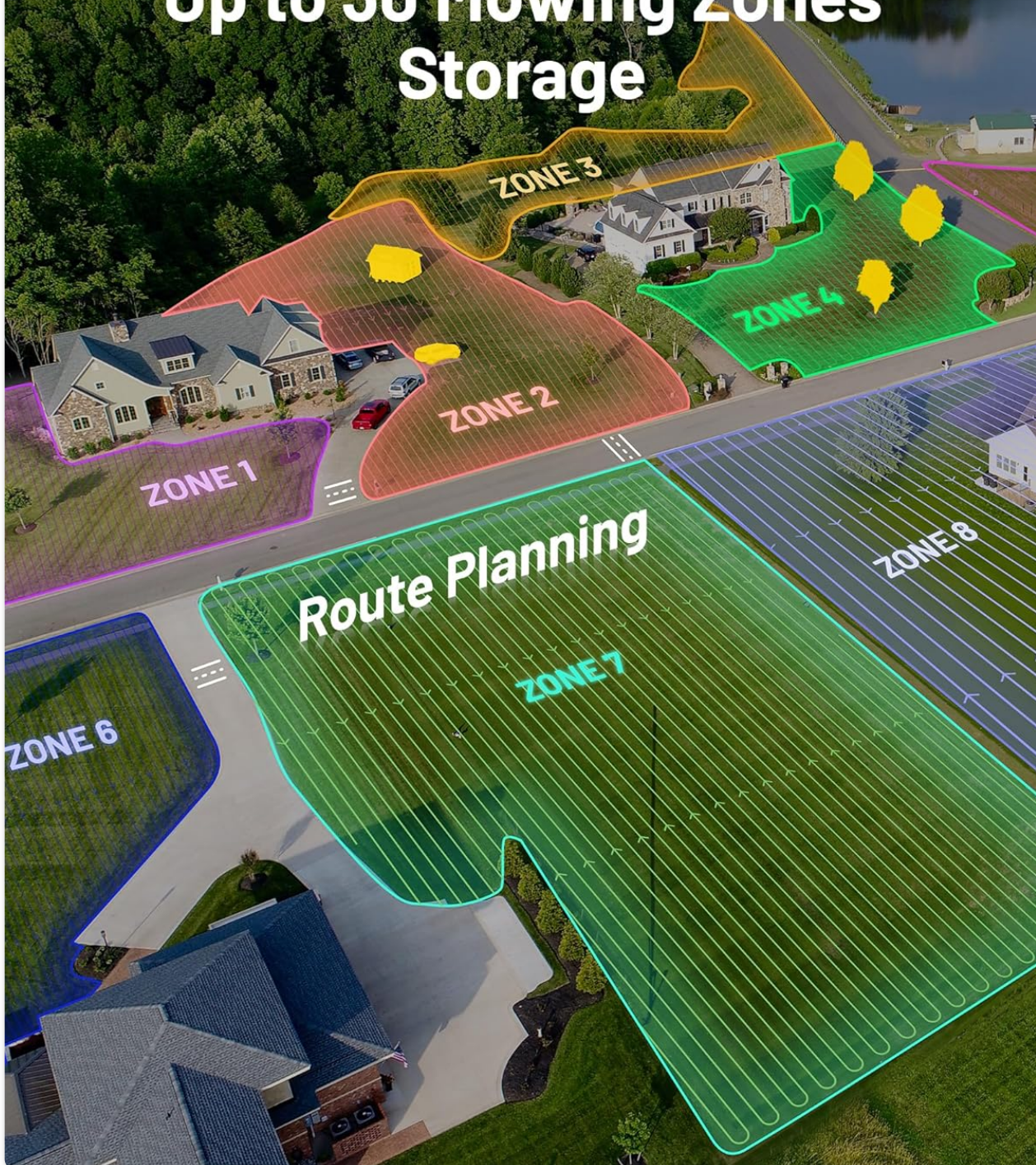
The LUBA 2 AWD 3000HX utilizes RTK Auto-Mapping and UltraSense AI Vision for perimeter wire-free operation. Use the Mammotion app to guide the mower around the boundaries of your lawn. The system will automatically detect and map the edges. You can define up to 30 mowing zones, including front and backyards, and designate no-go zones like flower beds or pools. The mower uses powerful visual positioning to precisely recognize lawns and other boundaries, achieving riding-style zero-distance edge cutting.

Automatic Edge Mapping



The LUBA 2 AWD 3000HX features automatic edge mapping, allowing for virtual map creation without physical perimeter wires.

Up to 30 Mowing Zones Storage



Manage up to 30 mowing zones, including complex layouts and route planning, through the Mammotion app.

OPERATING INSTRUCTIONS

Once set up, your LUBA 2 AWD 3000HX is ready to maintain your lawn autonomously.

1. Starting a Mow Cycle

Initiate a mowing task through the Mammotion app. You can select specific mowing zones, set schedules, and

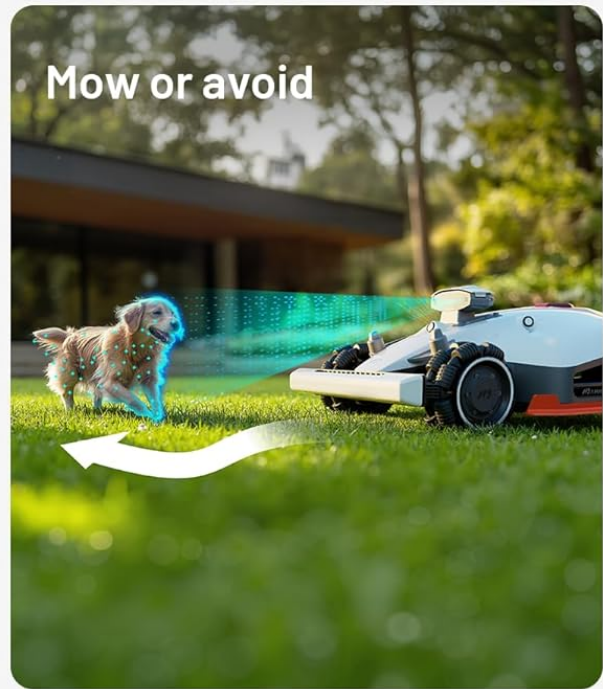
choose desired mowing patterns such as Parallel, Checkboard, or Diamond Grid. The 3D lawn printing technology adjusts the mowing route, cutting height, and angle to create desired patterns.

2. Adjusting Cutting Height

The cutting height can be adjusted between 2.2 inches (5.59 cm) and 4.0 inches (10.16 cm) via the app to suit your lawn's needs and grass type.

3. Obstacle Avoidance

Equipped with UltraSense AI Vision, the LUBA 2 AWD 3000HX can recognize over 200 types of objects and implement appropriate avoidance strategies. This ensures safe operation around pets, toys, and other garden obstacles. It can also mow under trees without relying on satellite signals.



The mower's AI vision allows it to mow under trees, avoid obstacles, and perform precise zero-distance edge cutting.

4. All-Wheel-Drive Capacity

The powerful 165W four-wheel motor provides exceptional driving capabilities, allowing the mower to climb slopes up to 80% (38°). It is designed to handle rough terrain, potholes, and thick grass without getting stuck.

All-Wheel-Drive For 80% (38.6°) Slope



80% Slope



The Adaptive Suspension System



Omni-Wheel



Bumper

The All-Wheel-Drive system enables the LUBA 2 AWD 3000HX to navigate steep slopes up to 80% (38 degrees).

5. Automatic Recharging and Resuming

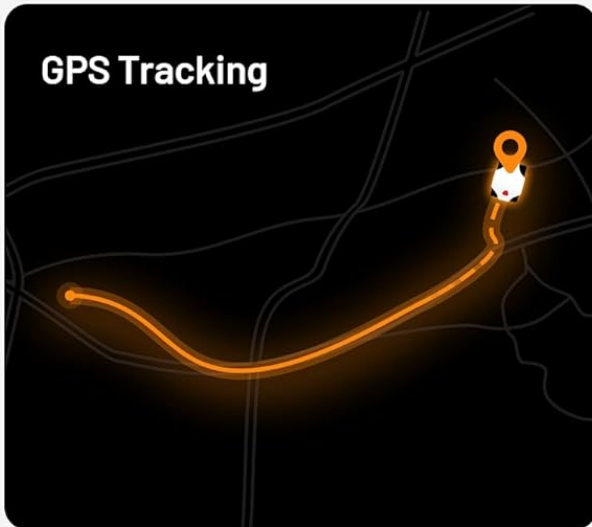
When the battery is low, the LUBA 2 AWD 3000HX will automatically return to its charging station. Once fully recharged, it will seamlessly resume mowing from where it left off.

6. Anti-Theft Features

Your LUBA 2 AWD 3000HX includes robust anti-theft measures: GPS tracking allows you to monitor its location, ownership authentication prevents unauthorized use, and a geofence alarm notifies you via the app if the mower exceeds designated mowing zones. A 'lost' feature can be activated to prevent unauthorized

Worry-free with thorough Theft prevention

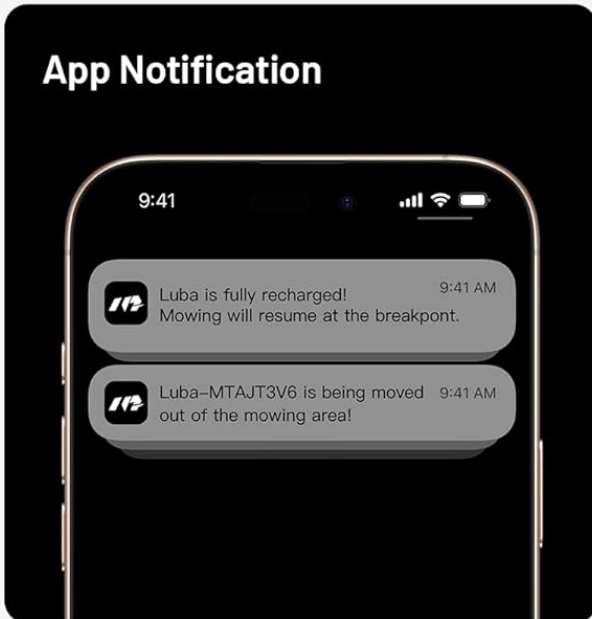
GPS Tracking



Ownership Authentication



App Notification



Geofence Alarm



Key theft prevention features include GPS tracking, ownership authentication, app notifications, and geofence alarms.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your LUBA 2 AWD 3000HX.

1. Cleaning the Cutting Discs

Periodically inspect and clean the dual-blade cutting discs. Grass clippings can accumulate on the underside, affecting cutting quality. Turn off the mower and use a brush or cloth to remove debris.

2. Avoiding Wet Grass Mowing

While the mower can handle some moisture, it is recommended to avoid mowing excessively wet grass. Wet clippings are more likely to clump and can reduce cutting efficiency and increase the need for cleaning.

3. General Cleaning

Keep the exterior of the mower clean. Wipe down the sensors and wheels regularly to ensure proper function. Avoid using high-pressure water jets directly on the mower.

TROUBLESHOOTING

This section addresses common issues you might encounter with your LUBA 2 AWD 3000HX.

Mower Gets Stuck

If the mower gets stuck, it will typically shut down and send a notification to your app. Manually move the mower to a clear area and allow it to resume its task from the breakpoint.

GPS Disconnection Issues

Ensure the charging station and mowing areas have clear line of sight to the sky for optimal RTK GPS signal. Obstructions like dense foliage or buildings can interfere. Adjusting the charging station's location might resolve persistent disconnection issues.

Battery Life Concerns

Battery performance can be affected by factors such as grass height, terrain slope, and mowing frequency. Ensure the mower is fully charged before each cycle. If you experience significant degradation in battery life, contact customer support.

Poor Cutting Quality

Check the cutting discs for accumulated grass or debris. Ensure the cutting height is appropriate for your grass type. Regularly clean the underside of the mower.

App Connectivity Issues

Verify your Wi-Fi or Bluetooth connection. Restart the app and the mower if necessary. Ensure your app is updated to the latest version.

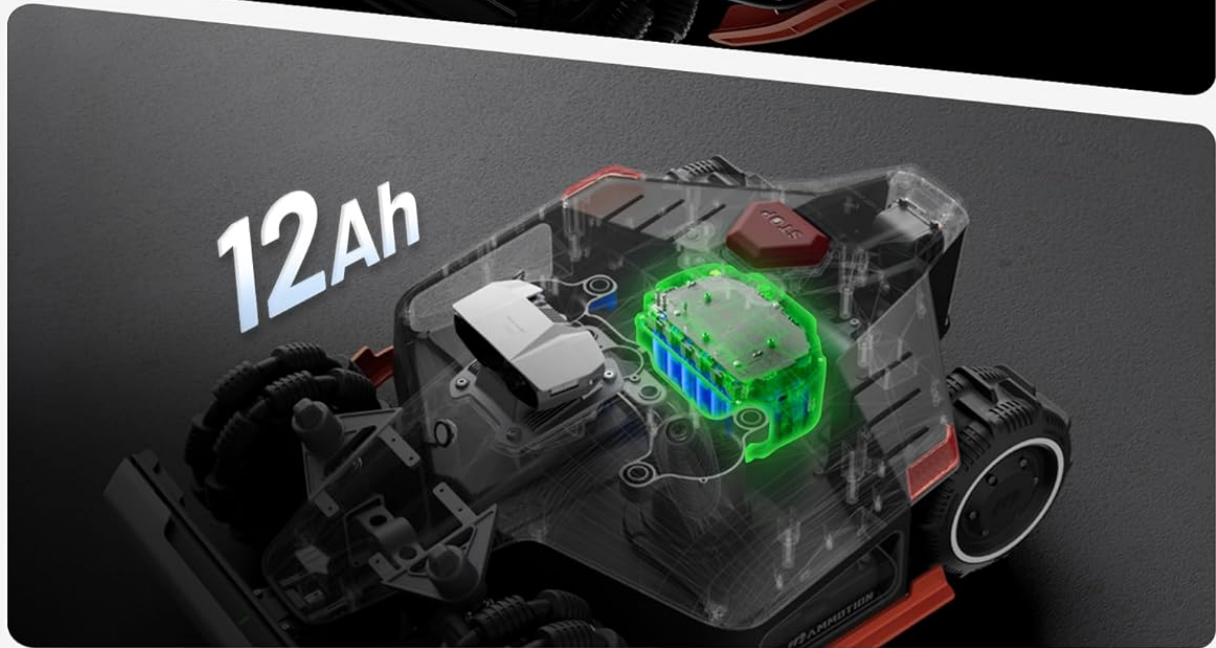
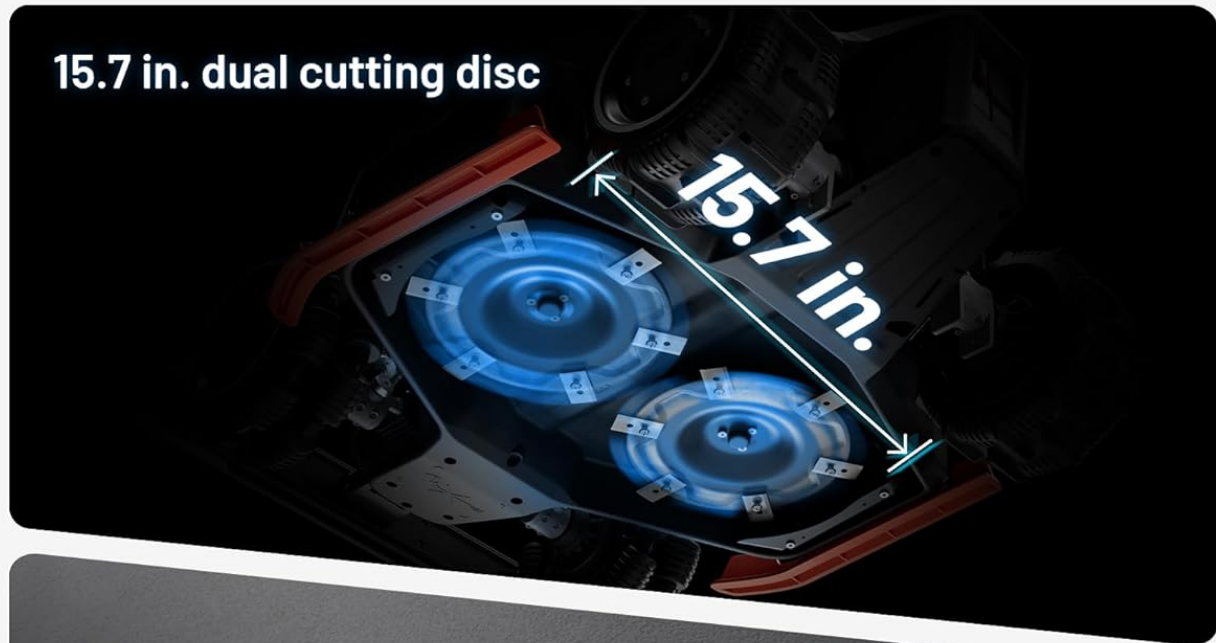
For any issues not covered here, or for advanced troubleshooting, please refer to the Mammotion app's help section or contact customer support.

SPECIFICATIONS

Feature	Detail
Brand	Mammotion
Model Number	LUBA 3000HX
Power Source	Battery Powered (1 Lithium Ion battery included)
Material	Plastic
Color	White
Cutting Width	15.7 Inches (400mm dual-blade disc)
Adjustable Cutting Height	2.2" - 4.0" (5.59 cm - 10.16 cm)
Operation Mode	Automatic
Product Dimensions (DxWxH)	27.1" x 20.2" x 11.9"
Slope Capacity	Up to 80% (38°)
Mowing Area Per Charge	Maximum 0.25 Acre

1.25 Acres, One Day

Maximum 0.25 Acres/per charge with
15.7 in. dual cutting disc



The LUBA 2 AWD 3000HX features a 15.7-inch dual cutting disc and a 12Ah battery for efficient mowing.

WARRANTY AND SUPPORT

Mamotion is committed to providing excellent customer service and support for your LUBA 2 AWD 3000HX.

Warranty Information

The LUBA 2 AWD 3000HX comes with a 3-year warranty, ensuring peace of mind regarding your investment.

Customer Support


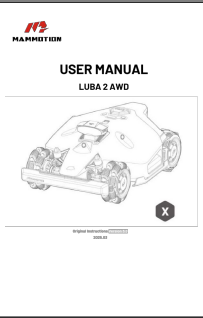
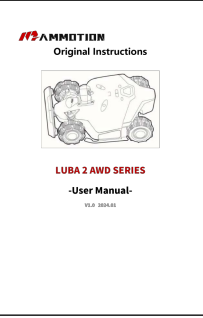
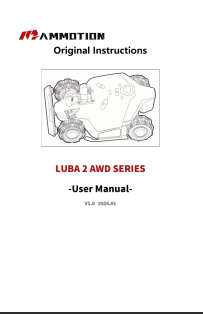
Mammotion offers 24/7 after-sales service. If you have any questions, require assistance, or need to report an issue, please feel free to contact us through the following channels:

- **Email:** For detailed inquiries and technical support.
- **Live Chat:** For immediate assistance through the Mammotion app or website.
- **Call:** For direct communication with a support representative.

Our dedicated support team is ready to assist you with any concerns regarding your robotic lawn mower.

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Related Documents

	<p>MAMMOTION Luba RTK Robot Lawn Mower: FAQs and Installation Guide</p> <p>A comprehensive guide to MAMMOTION Luba RTK robot lawn mowers, covering essential information such as cutting height, working conditions, no-go zones, maximum working area for the AWD 5000 model, and optimal installation locations for the RTK Reference Station. Includes a checklist for purchasing.</p>
	<p>Mammotion LUBA 2 AWD Robotic Lawn Mower User Manual</p> <p>Comprehensive user manual for the Mammotion LUBA 2 AWD robotic lawn mower, covering installation, operation, maintenance, safety instructions, and product specifications for efficient perimeter-free lawn care.</p>
	<p>Mammotion Luba 2 AWD Series User Manual</p> <p>Comprehensive user manual for the Mammotion Luba 2 AWD Series robotic lawn mower, covering safety instructions, installation, operation, product specifications, and troubleshooting.</p>
	<p>Mammotion Luba 2 AWD Series User Manual</p> <p>Comprehensive user manual for the Mammotion Luba 2 AWD Series robotic lawn mower, covering safety instructions, product overview, installation, operation, specifications, and warranty.</p>

