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Mammotion YUKA mini 700H

YUKA Mini 700H Robot Lawn Mower User Manual

Model: YUKA mini 700H | Brand: Mammotion

1. INTRODUCTION AND OVERVIEW

The YUKA Mini 700H is an advanced robotic lawn mower designed for small to medium-sized yards, up to 0.17 acres. It features UltrasenseAI Vision and RTK Positioning for precise navigation without perimeter wires. This manual provides essential information for setup, operation, and maintenance to ensure optimal performance of your YUKA Mini 700H.



Image: The YUKA Mini 700H robot lawn mower, showcasing its sleek design and the accompanying mobile application interface for control and mapping.

Key Features:

- **UltrasenseAI Vision & RTK Positioning:** Enables precise navigation and mapping without the need for physical boundary wires.
- **Automatic Mapping:** Creates a virtual map of your yard in minutes via the Mammotion app.
- **Advanced Obstacle Avoidance:** Detects and avoids over 200 types of objects, including flower beds and garden furniture.
- **Slope Handling:** Capable of managing slopes up to 50% (27 degrees) and clearing vertical obstacles up to 1.4 inches.
- **Adjustable Cutting Height:** Offers cutting heights from 2 to 3.5 inches (50-90mm) for a customized lawn finish.
- **Multi-Zone Management:** Manage up to 15 distinct mowing zones and set no-go areas through the app.
- **Self-Charging:** Automatically returns to its charging station when battery is low and resumes mowing.
- **Anti-Theft Features:** Includes GPS tracking, app notifications, and ownership authentication.
- **Durable Design:** IPX6 waterproof rating for easy maintenance.

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Video: "YUKA mini Series- Mow Easy, Life Breezy" - An overview of the YUKA mini's features, including its mapping capabilities, obstacle avoidance, and ease of use.

2. WHAT'S IN THE BOX

Upon unboxing your YUKA Mini 700H, please ensure all components listed below are present and in good condition.

Up to 0.2 Acres, One Day



Cutting Height



1.4inch Along the Edge

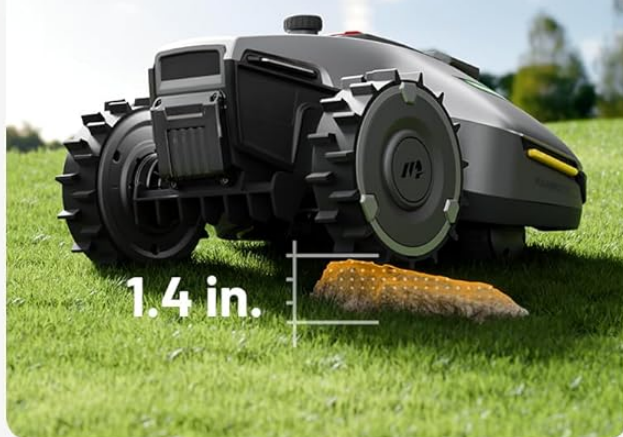


Image: A visual representation of all items included in the YUKA Mini 700H package.

- YUKA mini 700H Robot Lawn Mower (x1)
- Charging Station (x1)
- One Set of Blades (6 PCS)
- RTK Reference Station (x1)
- Quick Start Guide (x1)
- Power Supply (x1)
- Security Key (x1)

- Installation Kits (x1)
- RTK Extension Cable (x1)
- RTK Power Supply (x1)
- RTK Ground Mount (x1)

3. SETUP

Setting up your YUKA Mini 700H is designed to be straightforward, leveraging its advanced AI mapping capabilities.

3.1 Charging Station and RTK Reference Station Placement

Place the Charging Station in an area with good Wi-Fi signal and access to power. The RTK Reference Station should be positioned in an open area with a clear view of the sky for optimal satellite signal reception. Ensure both are securely mounted according to the Quick Start Guide.

3.2 Initial Power-On and App Connection

1. Power on the YUKA Mini 700H and the Charging Station.
2. Download the Mammotion app from your device's app store.
3. Follow the in-app instructions to connect your mower to your Wi-Fi network and pair it with your account.

3.3 Automatic Lawn Mapping

The YUKA Mini 700H utilizes AI vision technology to create a virtual map of your lawn. This process typically takes less than 10 minutes and eliminates the need for manual driving or boundary wires.

1. Within the Mammotion app, initiate the auto-mapping process.
2. The mower will autonomously navigate your yard, identifying boundaries and obstacles.
3. Review the generated map in the app. You can define up to 15 work zones and set customizable no-go zones for specific areas.

Meet Your AI Lawn Maestro

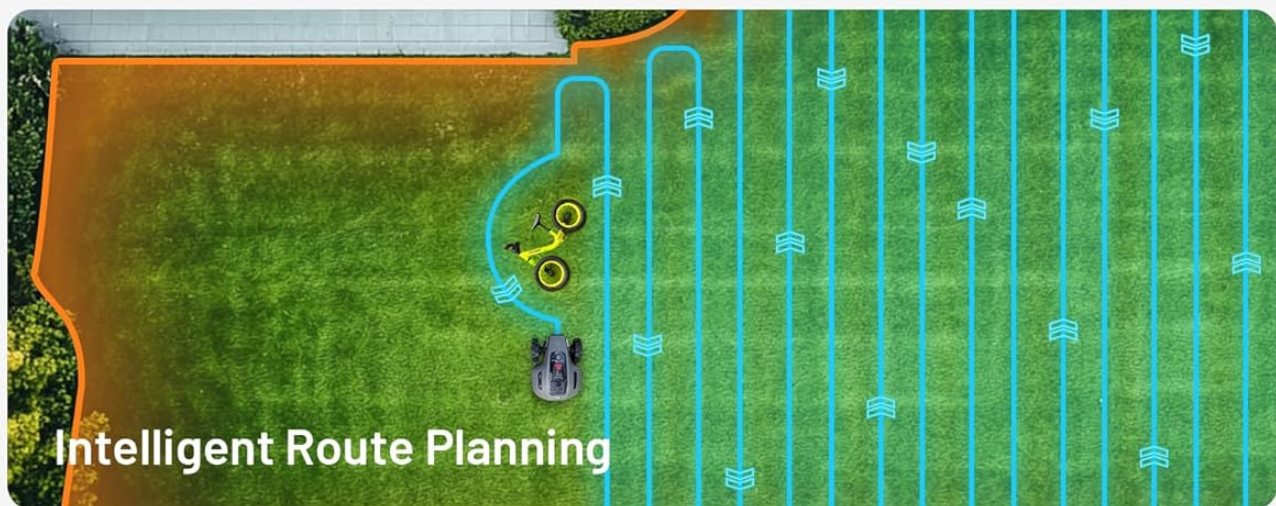


Image: The YUKA Mini 700H mapping a lawn using its UltrasenseAI Vision and RTK Positioning system.

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Video: "YUKA mini Unboxing and User Tutorial" - This video provides a comprehensive guide to unboxing the YUKA Mini and setting it up for first-time use, including assembly of components.

4. OPERATING YOUR YUKA MINI 700H

Once set up, your YUKA Mini 700H is ready to maintain your lawn with minimal intervention.

4.1 App Control and Mowing Schedules

- Use the Mammotion app to set mowing schedules for different zones.
- Monitor the mower's progress and location in real-time.
- Adjust cutting height (50-90mm / 2-3.5 inches) directly from the app.
- Implement creative lawn printing with custom patterns.

4.2 Intelligent Navigation and Obstacle Avoidance

The mower uses advanced image processing to differentiate grass from non-grass surfaces and excels at detecting and avoiding obstacles. It mows cleanly and accurately along boundaries, even without strong satellite signals.

Up to 15 Mowing Zones Management



Image: Illustration of the YUKA Mini 700H's multi-zone management capability, allowing for up to 15 distinct mowing areas.

4.3 Self-Charging and Resumption

When the battery level is low, the YUKA Mini 700H will automatically return to its charging station. Once fully recharged, it will resume mowing from where it left off to complete the task.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your YUKA Mini 700H.

5.1 Cleaning

The YUKA Mini 700H has an IPX6 waterproof rating, allowing for easy cleaning with water. Regularly clean the cutting deck and wheels to prevent grass buildup.

5.2 Blade Replacement

The cutting blades are consumable parts and will require periodic replacement. Dull blades can affect cutting quality. Refer to the Quick Start Guide for instructions on how to safely replace the blades. Keep extra blades on hand for convenience.

5-Blade Floating Single Blade Disc



Conquest of 99% of All Gardens



Image: Detail of the YUKA Mini 700H's 5-blade floating single blade disc, responsible for precise cutting.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your YUKA Mini 700H.

6.1 Mapping and Navigation Issues

- If the mower misreads an area or strays from designated zones, adjust the mapping in the Mammotion app. Ensure the RTK Reference Station has a clear line of sight to the sky.
- For GPS blind spots (e.g., under dense trees), the AI vision system will compensate, but consistent strong signals are ideal for initial mapping.

6.2 Performance Concerns

- If cutting quality decreases, check and replace the blades as needed.
- Ensure the cutting height is appropriate for your grass type and desired finish.

6.3 Anti-Theft Features

The YUKA Mini 700H includes 24/7 monitoring with GPS tracking and app notifications for maximum security. Ownership authentication is required for operation.

Ultimate Anti-Theft Shield



Ownership Authentication



App Notification



GPS Tracking

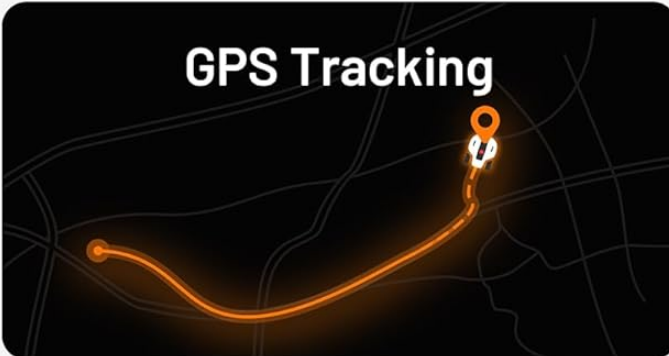


Image: The Mammotion app interface showing anti-theft features such as ownership authentication, GPS tracking, and notification alerts.

7. SPECIFICATIONS

Feature	Specification
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Brand	Mammotion
Model Number	YUKA mini 700H
Power Source	Battery Powered (1 Lithium Ion battery included)
Material	Metal
Color	White
Item Weight	23 Pounds
Product Dimensions	18.5"D x 26"W x 14.7"H
Cutting Width	7.5 Inches
Adjustable Cutting Height	2" ~ 3.5" (50-90mm)
Max Slope Capability	50% (27 degrees)
Waterproof Rating	IPX6
Mowing Area	Up to 0.17 Acre

8. WARRANTY AND SUPPORT

Mammotion is committed to providing excellent after-sales service for your YUKA Mini 700H.

8.1 Warranty Information

The YUKA Mini 700H comes with a **3-Year Warranty**. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

We offer **24/7 after-sales service** to assist you with any questions or issues. For support, please refer to the contact information provided in your Quick Start Guide or visit the official Mammotion website.

For additional resources, you can also refer to the official User Manual PDF [Download User Manual \(PDF\)](#)