



YUKA mini Series

Mow Easy, Life Breezy

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Product Overview

The Entry-Level and Cost-effective Solution for Easy Lawn Care

Models: YUKA mini 800 | YUKA mini 700 | YUKA mini 600 | YUKA mini 500

Key Features



- **UltraSense AI Vision:**
 - 10-minute AI auto mapping
 - Seamless mowing under trees without signal issues
 - Intelligent Visual Fence
 - Precise corner-to-edge cutting
 - Smart Obstacle Identification & Avoidance
- **Carpet-like Lawn Cutting & Creative Lawn Printing**
- **Industry-leading battery life** on YUKA mini 800
- **Effortless App Control:** Manage up to 10 custom zones
- **Masters 99% of residential yards with ability to climb 45% (24°) slopes**
- **10kg lightweight design**

Installation Guideline & Technical Support

- **Install RTK antenna on the roof or higher wall or stand on the grounds 5 meters away from the wall.** YUKA mini does not require a direct line-of-sight view from every point in your lawn to the RTK reference station. It should work on the lawn with at least 90 degree open sky area. If the position of the RTK base station is changed, you will need to re-map the mowing zone.
- **Firmware Updates:** Make sure **the app, robot mower, and RTK base station are all updated** to the latest firmware versions for optimal connectivity.
- **Mapping boundary 15cm distance away from dangerous edge** like river, roads, high house wall.

How-Tos Videos

Check all [Tutorials](#) and Usage book

- [Unboxing Tutorial](#)
- How to [Upgrade the Firmware](#)
- How to [Bind the RTK and Mower](#)
- How to Set [Lawn Printing Pattern](#)

Technical Support

Please contact your Mammotion representative to report the issue and upload the event log via the app so we can analyze the problem more effectively.

Click [HERE](#) to learn how to upload the event log.

If you experience connection issues, lack of signal, or other technical problems:

1. Please check the app, firmware, and RTK station are all updated to the latest versions.
2. Solve [4G Network, Bluetooth Connection](#) Issues

Leading AI-powered Vision for any lawn care scenario.

UltraSense AI Vision

- UltraSense AI Vision is a **groundbreaking technology** that makes mowing smarter and easier.
- Powered by an advanced AI chip, UltraSense AI Vision matches L3 autonomous driving compute power, performing 5 trillion operations per second.
- With cutting-edge 3D Binocular Vision, it sets a new industry standard for flawless, intelligent lawn care.

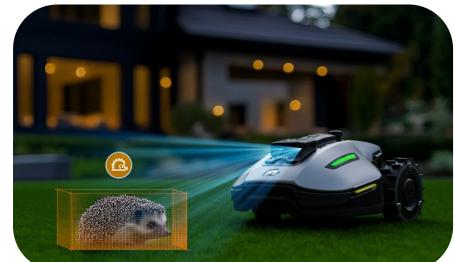


What It Can Do?

✓ No Perimeter Wires



✓ Smart Object Avoidance



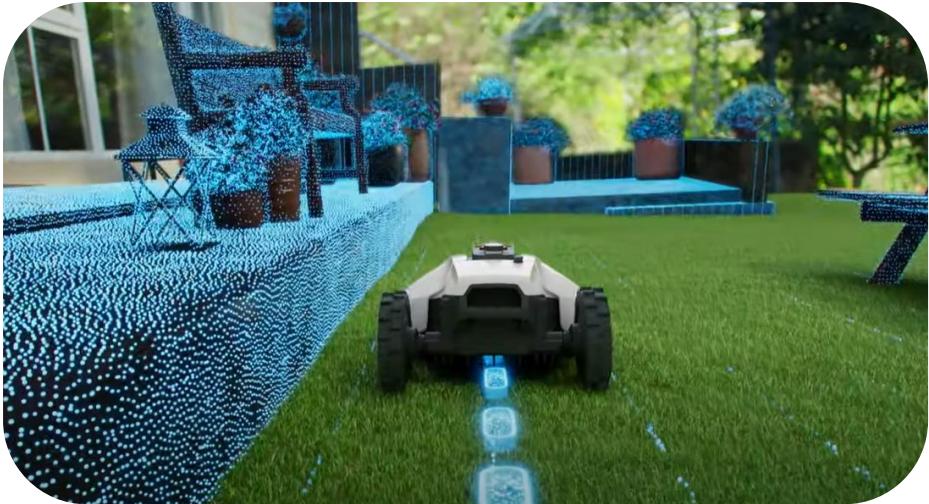
✓ Intelligent Visual Fence



✓ Unhindered by Trees



Set Once, Gain The Rest



AI Auto Mapping

Thanks to advanced AI vision technology, YUKA mini creates a virtual map **all by itself** in the Mammotion app. For an 800 m² lawn, it can generate the entire map in just 10 minutes - **no need to manually drive it around the property anymore!**



Flawless Positioning

YUKA mini provides accurate satellite positioning with 3 km coverage via Wifi or 4G, ensuring **reliable performance in any weather**.

Detects invisible boundaries and stays within designated mowing areas even without satellite signals. Using advanced image processing, it distinguishes between grass and non-grass surfaces to avoid restricted areas.



Corner-to-edge Cutting

When the ground and the lawn are level at the edges, YUKA mini can **ride along the boundary** for clean and precise cutting.

AI Lawn Maestro for Creating A Masterpiece Lawn

Carpet-like Lawn

YUKA mini feature **floating cutting disc** to delivery real carpet-like lawn.

The dynamic height adjustments effortlessly **ensures a uniform cutting height** on different terrain.



Creative Lawn Printing

YUKA mini transforms your lawn into an artistic canvas with customizable **designs, logos, and messages** via the Mammotion App.



Perfect Stripes

Thanks to centimeter-level AI vision, YUKA mini creates flawless striped lawns with precision that **surpasses manual mowing**.



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Effortless App Control – Manage up to 10 mowing zones



Multi-Zone Management

- Easily set up to 30 work zones. Even if your lawn is divided into multiple sections, you can create smooth pathways between them.
- Each mowing zone can have its unique schedule, mowing pattern, and cutting height—ensuring all your lawns remain in perfect condition even when you're on vacation.



Easily Create No-Go Zones

You can create no-go zones for plant beds or children's playgrounds or pools in App, YUKA mini will automatically avoid them.



Alexa/Google Voice control

With built-in system, YUKA mini can be integrated into your smart home system, allowing you to control YUKA mini through voice commands.

Small in Size, Big on Performance



Climbs 45% Slope

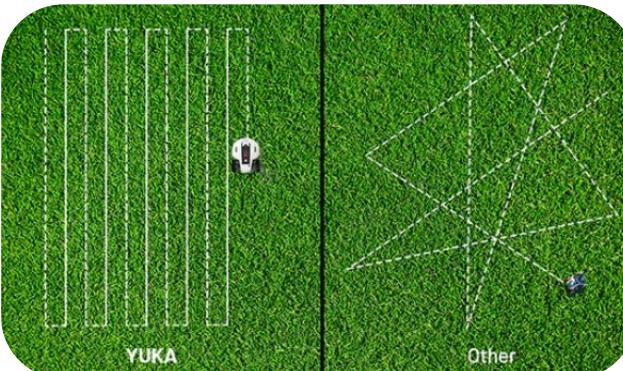
Conquering 99% of Residential Yards

With the ability to climb **45% (24°)** slopes and clear vertical obstacles up to **1.38 inches**, YUKA mini is designed to operate in over 99% of residential yards.



Adjustable Cutting Height

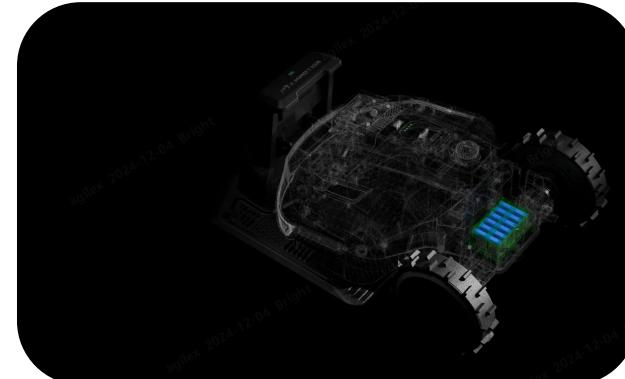
Tailored to regional preferences, this model offers adjustable cutting heights: 50-90mm (2-3.5 inches) in the US market and 20-60mm elsewhere.



Intelligent Route Planning

YUKA's route algorithms **eliminate repetitive movements**, ensuring maximum efficiency and superior results.

Diverse **mowing modes** like Parallel, Checkerboard, and Diamond Grid via the Mammotion App.



Longer Runtime & Efficiency

The YUKA mini 800 features a **6.1Ah** high-capacity battery for **extended runtime and efficiency**.

Powered by a **lithium battery**, YUKA mini delivers an eco-conscious, emission-free mowing experience.

Other Feature Highlights



Whisper-Quiet Noise Level

During operation, YUKA mini maintains a noise level consistently below 60dB, ensuring no noise pollution is generated.



Waterproof Performance

YUKA mini boasts an IPX6 waterproof rating, ensuring exceptional durability and efficiency—whether operating in dewy mornings or during rainy, humid conditions.



Rain Detection

YUKA mini automatically adjusts its mowing schedule based on real-time weather conditions, thanks to its rain sensor and the seamless integration of the Mammotion app with local weather forecasts.



FOTA Updates

Mammotion software continuously introduces new features and enhances user experience. It can be effortlessly downloaded at any time using FOTA (Firmware-Over-The-Air) technology.



Completed Anti-theft Protection

GPS tracking: Keep tabs on YUKA mini's location with GPS, and get alerts if it strays.

Ownership Verification: The activator becomes the owner, with the ability to share access, and a "lost" mode to deter misuse.

AirTag Compatibility: For added security, YUKA mini supports AirTag integration, providing an extra layer of protection for your device.

Geofence Alarm: When YUKA mini is moved out of the geofence, the alarm will be automatically triggered.



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YUKA mini Series Specs Comparison

YUKA mini 800



YUKA mini 700



YUKA mini 600



YUKA mini 500



[Complete Specs Sheet HERE](#)

Appearance

Lithium-ion and replaceable battery

Lawn Size

800 m²
(8,611ft²)

700 m²
(7,535ft²)

600 m²
(6,458ft²)

500 m²
(5,382ft²)

Max Zone Mgmt.

10

7

5

3

Battery Capacity

6.1Ah

4.5Ah

2.4Ah

2.4Ah

Re-cutting at Stoppage Point

Rain Detection

Auto-Charging

Bluetooth / WIFI / 4G (optional)

Cutting Height

EU & AU: 20-60mm / US: 50-90mm (2-3.5 inches)

Cutting Width

190mm / **Five** pivoting razor blades

Efficiency (Mowing Area Per Charge)

230 m²

TBD

80 m²

80 m²



Charging Time

230min

180min

90min

90min

Mowing Time Per Charge

150min

TBD

55min

55min



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