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## UBHOME M10

# UBHOME Robot Lawn Mower M10 User Manual

Model: M10 | Brand: UBHOME

## INTRODUCTION

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The UBHOME Robot Lawn Mower M10 is an advanced robotic solution designed for accurate lawn navigation and obstacle avoidance. Featuring RTK dual-frequency positioning and AI vision, it ensures cm-level accuracy and stable operation even in challenging environments. This manual provides comprehensive instructions for setting up, operating, and maintaining your M10 robot mower to achieve a perfectly manicured lawn with minimal effort.



Figure 1: UBHOME Robot Lawn Mower M10 with its charging station and app interface.

## SETUP GUIDE

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### 1. Unboxing and Component Identification

Carefully unpack all components and verify against the packing list. The main components include the Robotic Mower, Charging Station, LoRa Gateway, and Reference Station.



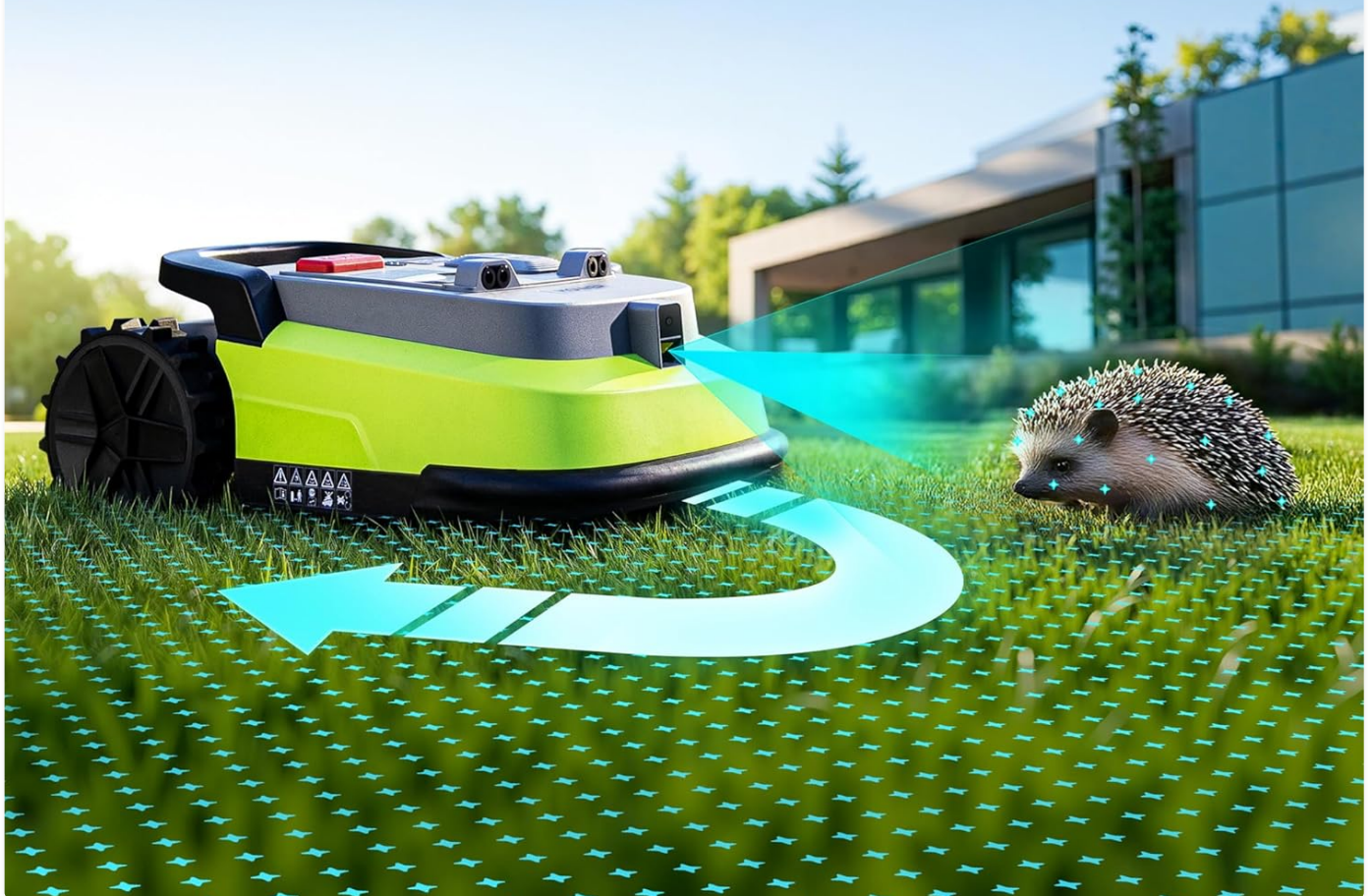
*Figure 2: All components included with the UBHOME M10 Robotic Mower.*

## **2. Charging Station and Reference Station Placement**

Place the Charging Station and Reference Station in an open area with good signal reception. The Reference Station is crucial for the RTK positioning system, providing cm-level accuracy. Ensure the charging station is connected to power.

# AI Obstacle Identification & Avoidance

## U-Path Mowing with Accurate Obstacle Avoidance



*Figure 3: The robotic mower automatically returning to its charging station.*

### 3. Wire-Free Virtual Boundary Setup

Unlike traditional mowers, the UBHOME M10 does not require perimeter wires. Use the U Mower app to define virtual boundaries for your lawn. This allows for flexible mapping and easy adjustments.

# Conquer Hills with Confidence

55% Slope Climbing Capacity



Figure 4: Illustrates the wire-free setup and virtual boundary creation via the app.

# Tames Thick Grass in Silence

Smooth Deck Design – Prevents Grass Clogging  
for Uninterrupted, High-Efficiency Mowing.

**52dB**  
Low-Frequency Noise



Press Flat - Cut Clean, Anti-Clogging

Figure 5: Detailed view of virtual boundary mapping within the U Mower app.

## OPERATING INSTRUCTIONS

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### 1. Smart App Control & Multi-Zone Management

Control your UBHOME M10 directly from the U Mower app. You can edit mowing maps, set schedules for up to 15 zones, adjust cutting heights, and monitor progress remotely. The app provides real-time tracking and alerts.



Figure 6: Example of multi-zone management and scheduling within the app.

## 2. RTK + AI Vision Navigation

The mower utilizes RTK dual-frequency positioning combined with AI vision for precise, cm-level navigation. This ensures stable operation and efficient coverage, even under dense trees or near metal fences.

# Corte automático sin esfuerzo

Fusión RTK + visión con IA

📍 Posicionamiento con precisión centimétrica | 🌐 Corta incluso debajo de los árboles



Figure 7: Visual representation of RTK and AI vision working together for precise navigation.

### 3. Visual Obstacle Avoidance

Equipped with an advanced obstacle avoidance system, the M10 detects and navigates around objects such as toys, rocks, and garden decor, preventing damage to the mower and your property.



Figure 8: The mower intelligently avoiding a hedgehog, demonstrating its AI obstacle avoidance capabilities.

#### 4. Efficient Mowing Performance

The M10 features a robust 9.06-inch cutting disc with a sliding plate design, allowing it to effortlessly handle thick grass and challenging terrain. It also boasts a 55% slope climbing capacity, ensuring comprehensive coverage of varied landscapes.

# Wide-Range Stable Connection

Seamless App-to-Mower Communication via LoRa Tech

Signal Penetrates Walls | No Cellular Data Cost | 34-Acre Max. Signal Coverage



Figure 9: The smooth deck design prevents grass clogging for uninterrupted mowing.

# From Mowing To Living

The Shift Starts Now.



Figure 10: The M10 mower demonstrating its ability to conquer steep slopes.

## MAINTENANCE

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### 1. Cleaning

The UBHOME M10 is IPX6 waterproof, making it rinseable and rainproof. After mowing, you can easily clean the underside of the mower with a hose. Do not submerge the unit.



Figure 11: A user cleaning the underside of the mower with a hose, highlighting its IPX6 waterproof rating.

## 2. Blade Replacement

Regularly inspect the cutting blades for wear and tear. Replace dull or damaged blades using the provided replacement blade set and Allen wrench to ensure optimal cutting performance.



Figure 12: Illustration of the replacement blade assembly.

## TROUBLESHOOTING

If you encounter issues with your UBHOME M10, please refer to the following common troubleshooting steps:

- **Mower not starting:** Ensure the battery is charged and the mower is properly seated on the charging station. Check the app for any error messages.
- **Navigation issues:** Verify that the Reference Station has a clear line of sight to the sky and is powered on. Check for any obstructions in the mowing area.
- **Poor cutting performance:** Inspect the blades for sharpness and replace if necessary. Ensure the cutting height is set appropriately for your grass type.
- **Connectivity problems:** Confirm the LoRa Gateway is powered and connected to your network. Ensure your mobile device has a stable internet connection for app control.

For more detailed troubleshooting or persistent issues, please contact UBHOME customer support.

## SPECIFICATIONS

Feature	Detail
Brand	UBHOME

Model	M10
Power Source	Battery Powered
Material	ASA +PP
Color	Green
Item Weight	27.8 Pounds
Cutting Width	9 Inches
Operation Mode	Automatic
Product Dimensions	23.7"D x 16.4"W x 10"H
Max. Cutting Height	2.36 Inches
Min. Cutting Height	1.57 Inches
Batteries	1 Nonstandard Battery (included)

## WARRANTY

The UBHOME Robot Lawn Mower M10 comes with a **2-Year Warranty**, ensuring peace of mind and reliable performance. For details regarding warranty claims and coverage, please refer to the official UBHOME website or contact customer support.



Figure 13: The 2-Year Warranty badge for the UBHOME M10.

## SUPPORT

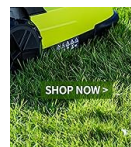
For any questions, technical assistance, or support needs, UBHOME offers multiple channels:



**APP Live Chat**



**Email  
Support**



**Technical Service Team**

Visit the official UBHOME website for the most up-to-date contact information and support resources: [UBHOME Store](#)

