

YARDCARE V100

YARDCARE V100 Robotic Lawn Mower Instruction Manual

Model: V100

1. INTRODUCTION

The YARDCARE V100 Robotic Lawn Mower is designed to simplify lawn maintenance for small lawns up to 1,600 sq ft. Featuring visual navigation and smart obstacle avoidance, this mower provides precise cutting and efficient operation. This manual provides essential information for the safe and effective use of your robotic lawn mower.

2. SAFETY INFORMATION

Always prioritize safety when operating the YARDCARE V100. Read and understand all safety warnings and instructions before use.

- **Emergency Stop:** The mower is equipped with a large red STOP button for immediate shutdown in emergencies.
- **Blade Safety:** The cutting blades are located underneath the mower. Avoid contact with the blades. The mower is designed to stop when lifted.
- **Obstacle Avoidance:** The mower features visual recognition and collision detection to navigate around obstacles. However, always ensure the mowing area is clear of toys, pets, and other small items before operation.
- **Grass Height:** For optimal performance and to prevent the mower from treating tall grass as an obstacle, it is recommended to manually cut grass exceeding 2.6 inches before operating the robotic mower.
- **Rain Sensor:** The mower is equipped with a rain sensor that automatically stops operation during rain to protect the device.
- **PIN Code Anti-theft:** Utilize the PIN code feature for enhanced security.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Robot Mower x1
- Instruction Manual x1
- Spare Cutting Blades x3
- M4 Screws for Cutting Blade x3

- 4000mAh Battery x1
- Battery Charger x1
- Groundnails x20
- Magnetic Strip (5 meters) x2

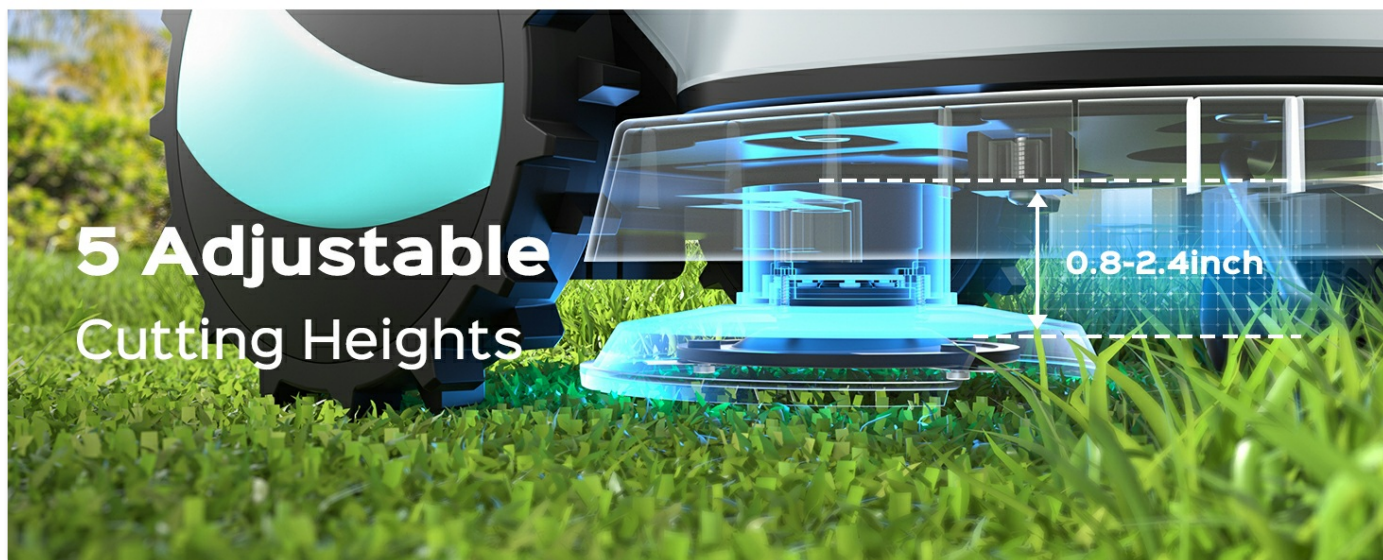


Image: Contents of the YARDCARE V100 Robotic Lawn Mower package, including the mower, battery, charger, blades, magnetic strip, and manual.

4. SETUP

4.1 Battery Charging

Before first use, fully charge the 4000mAh battery using the provided battery charger. The battery must be removed from the mower for charging.

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Video: Demonstrates how to remove and charge the battery for the YARDCARE V100 Robotic Lawn Mower.

4.2 Defining Mowing Area

The V100 is designed for lawns with clear boundaries. For areas without natural borders like fences or gravel, use the included magnetic strips to create 'NO-GO' zones. Simply place the magnetic strip on the ground to define areas the mower should avoid, such as flower beds or pathways.

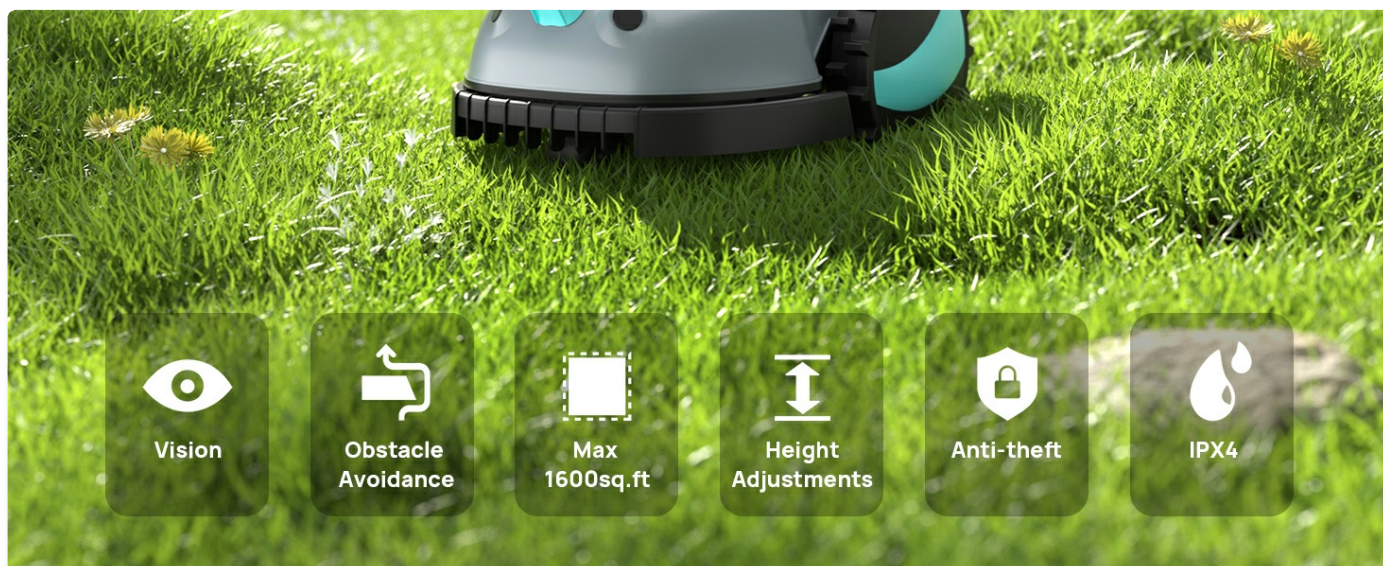


Image: Illustrates the use of magnetic wires to define 'NO-GO' zones for the robotic lawn mower.

4.3 Adjusting Cutting Height

The mower features a manual height adjustment knob. You can set the cutting height between 0.8 and 2.4 inches (20mm to 60mm). Rotate the knob to select your desired grass height.



Image: Close-up of the YARDCARE V100 showing the adjustable cutting height mechanism, ranging from 0.8 to 2.4 inches.

5. OPERATING INSTRUCTIONS

5.1 Powering On and Mowing Modes

To power on the mower, press the power button. The mower will undergo an initialization sequence (approx. 15 seconds). You can select between two mowing modes:

- **Straight Mowing Mode:** Press the 'Play' button followed by 'OK'. The mower will move in straight lines until it encounters an obstacle or boundary, then change direction.
- **Spiral Mowing Mode:** Press the 'Spiral' button followed by 'OK'. This mode is ideal for areas with denser grass, where the mower will cut in an expanding spiral pattern.

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Video: Provides an introduction to the YARDCARE V100 Robotic Lawn Mower, including powering on and selecting mowing modes.

5.2 Obstacle Avoidance and Navigation

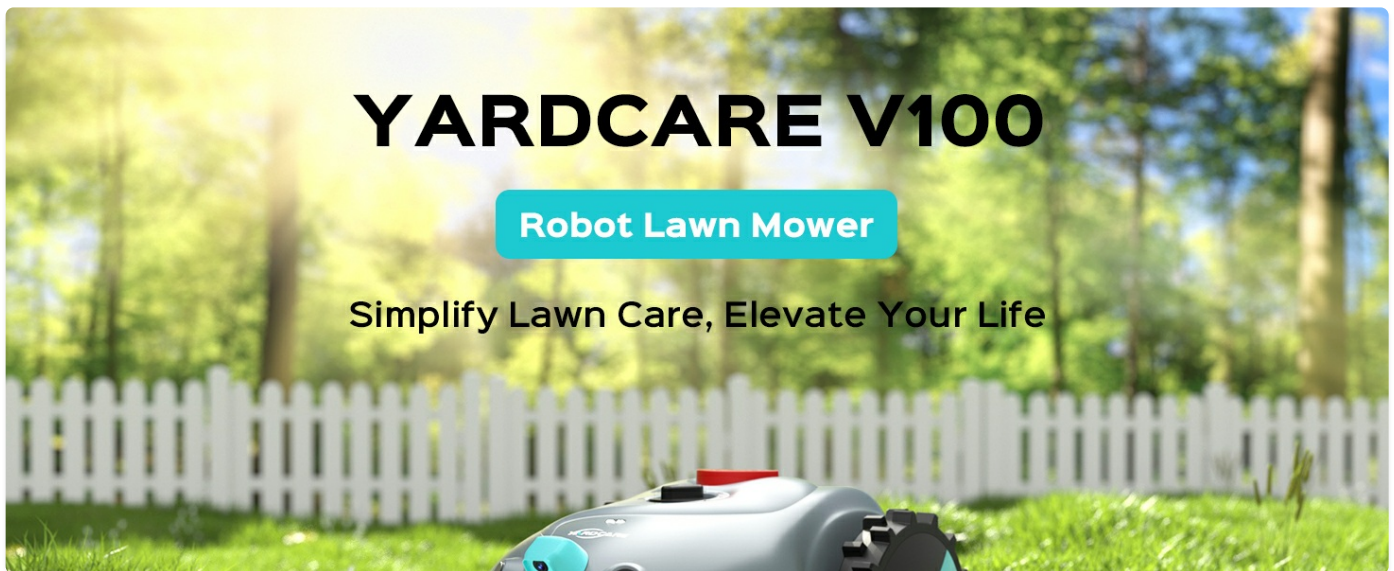
The V100 utilizes an advanced vision system and collision detection to navigate your lawn. It intelligently identifies grass from non-grass areas and avoids obstacles such as flowers, toys, and pets. If it lightly bumps into an object, it will change direction and continue mowing.



Detects obstacles

AI-vision

Image: Depicts the YARDCARE V100's dual obstacle avoidance system, combining vision and mechanical collision detection to navigate around objects like hedgehogs and rocks.



YARDCARE V100

Robot Lawn Mower

Simplify Lawn Care, Elevate Your Life

Image: Shows the mower's visual precision recognition system intelligently identifying and avoiding flowers and plants.

5.3 Quiet Operation

The YARDCARE V100 operates at a low noise level (below 65dB), allowing for quiet lawn maintenance without disturbing your peace or your neighbors.

6. MAINTENANCE

6.1 Blade Replacement

The mower uses three cutting blades. These blades should be replaced approximately every three months for optimal cutting performance. Refer to the included spare blades and screws for replacement.

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Video: Shows the underside of the mower, highlighting the three cutting blades and the adjustable cutting height mechanism.

6.2 Cleaning

The YARDCARE V100 is IPX4 waterproof, allowing for easy cleaning with water. Ensure the mower is powered off and the battery is removed before cleaning.

7. TROUBLESHOOTING

- **Mower gets stuck:** Uneven terrain, holes, or depressions can affect movement. Leveling the lawn helps ensure smooth operation.
- **Missed areas:** On bordered lawns, the mower navigates in a random pattern. If any areas are temporarily missed, you can reposition the mower manually or use the spiral mowing mode for denser spots.
- **Mower treats tall grass as an obstacle:** If grass height exceeds 2.6 inches, the mower may identify it as an obstacle. Manually cut excessively tall grass before operating the robotic mower.

8. SPECIFICATIONS

Feature	Specification
Brand	YARDCARE
Model Number	V100-0729
Power Source	Battery Powered (18V 4Ah)
Operation Mode	Automatic
Cutting Width	6.3 Inches
Adjustable Cutting Height	0.8 - 2.4 Inches (5 positions)
Recommended Lawn Size	Up to 1,600 sq ft (1,076 sq ft with single battery)
Battery Life	1.2 Hours
Item Weight	14.2 Pounds
Product Dimensions (D x W x H)	22"D x 17"W x 12"H
Waterproof Rating	IPX4
Assembly Required	No

9. WARRANTY AND SUPPORT

For warranty information, technical support, or to purchase additional accessories like batteries, please refer to the contact information provided in your product packaging or visit the official YARDCARE website. Keep your purchase receipt for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question

and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question