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Redkey MGC1000

Redkey MGC1000 Robot Lawn Mower User Manual

Model: MGC1000

INTRODUCTION

Thank you for choosing the Redkey MGC1000 Robot Lawn Mower. This intelligent robotic mower is designed to provide efficient and autonomous lawn maintenance for areas up to 0.25 acres. Featuring advanced C-TOF navigation for precise positioning, intelligent blade adjustment, and app control, the MGC1000 simplifies your lawn care routine. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting to ensure optimal performance of your device.



The Redkey MGC1000 Robot Lawn Mower, shown with its charging station and a smartphone demonstrating the accompanying control application.

SAFETY INFORMATION

Please read all safety warnings and instructions carefully before operating the robot lawn mower. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always ensure the mower is powered off and disconnected from the charging station before performing any maintenance or cleaning.
- Keep hands, feet, and clothing away from moving parts and blades.
- Do not operate the mower on excessively steep slopes beyond its specified capability (45% or 24°).
- Keep children and pets away from the working area of the mower.
- Do not use the mower if the boundary wire is damaged or if any parts are missing or broken.
- Only use the original charging station and power adapter provided with the mower.
- The mower is IPX6 waterproof, allowing for cleaning with a hose, but avoid submerging it in water.

SETUP

1. Charging Station Installation

Select a suitable location for the charging station. It should be on a flat, level surface, preferably in a shaded area, and within reach of a power outlet. Ensure there is sufficient clear space around the charging station for the mower to dock easily.

2. Boundary Wire Installation

The boundary wire defines the mowing area. Lay the wire around the perimeter of your lawn, securing it with the provided pegs. Ensure the wire is taut and buried or securely fastened to the ground to prevent tripping hazards and damage.

- **Obstacles:** Maintain a distance of at least 30cm from obstacles such as trees, flowerbeds, or walls.
- **Parallel Wires:** If running parallel wires, ensure a minimum distance of 20cm between them.
- **Narrow Passageways:** For narrow passages, ensure a minimum width of 60cm for the mower to navigate effectively.
- **Charging Station Placement:** Ensure the charging station is placed with at least 1.5m of clear boundary wire leading into and out of it.

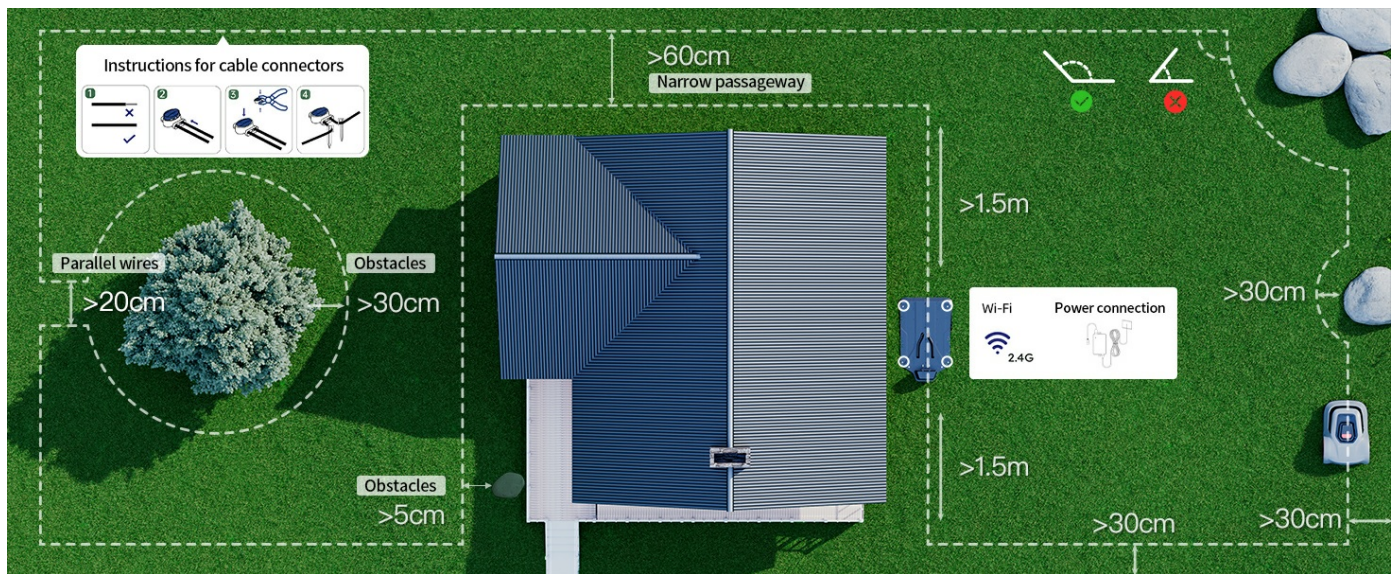


Illustration of recommended boundary wire installation distances for obstacles, narrow passages, and charging station placement.

3. Initial Charging

Place the mower manually onto the charging station. Ensure the charging contacts align. The mower will begin charging. Allow it to fully charge before its first operation.

4. App Setup and Connection

Download the Redkey companion app from your device's app store. Follow the in-app instructions to connect your MGC1000 mower to your Wi-Fi network (2.4GHz supported). The app allows for real-time tracking, scheduling, and various settings adjustments.

OPERATING THE MOWER

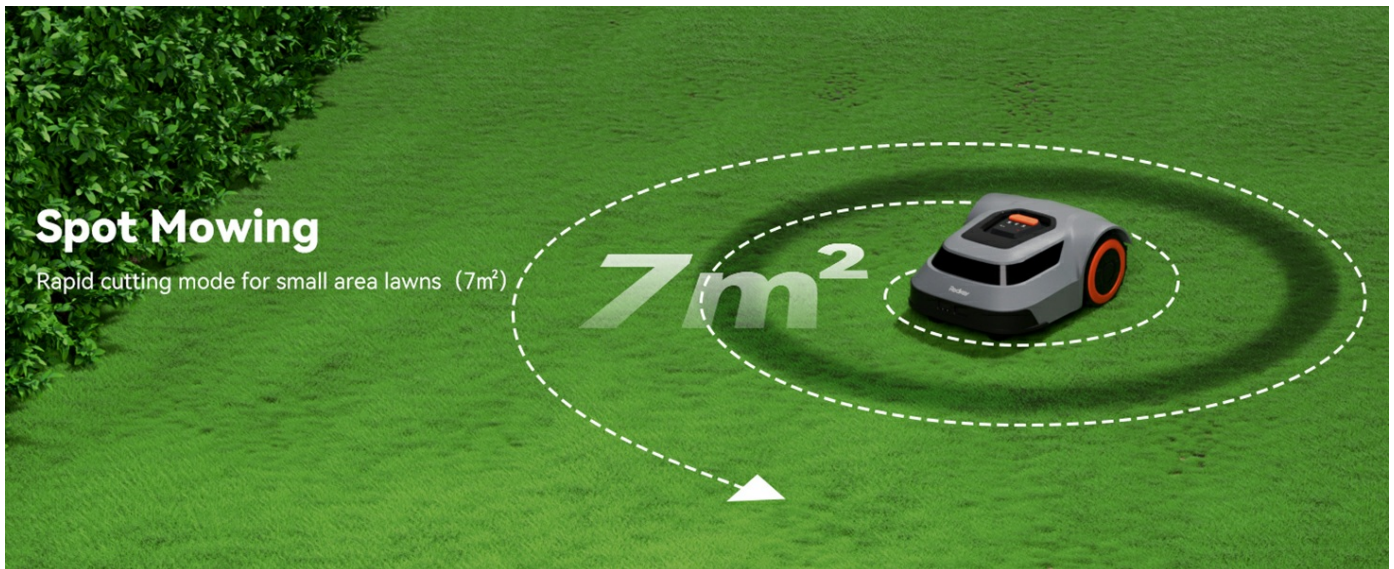
1. Basic Operation

To start mowing, press the 'Start' button on the mower or initiate a mowing session via the app. To stop, press the 'STOP' button on the mower. The mower will return to its charging station when the battery is low or a scheduled session ends.

2. Mowing Modes

- **Standard Mowing:** The mower follows an intelligent path planned by its C-TOF navigation system for comprehensive coverage.
- **Spot Mowing:** Ideal for small, concentrated areas (e.g., 7m²). Place the mower in the center of the area and

activate spot mowing via the app.



The Redkey MGC1000 Robot Lawn Mower demonstrating its spot mowing capability for smaller areas.

3. App Control Features

The Redkey app provides extensive control and monitoring capabilities:

- **Scheduling:** Set customized mowing schedules for specific days and times.
- **Cutting Height Adjustment:** Adjust the blade cutting height (1.18 to 2.76 inches / 3 to 7 cm) directly from the app.
- **Real-time Tracking:** Monitor the mower's progress and current location on a map.
- **Mowing Progress:** View the percentage of the lawn mowed and remaining.
- **Rain Delay:** Option to delay mowing after rain for 1, 2, or 3 hours.



The Redkey app interface, illustrating the customizable weekly mowing schedule feature.

4. Automatic Charging and Resume

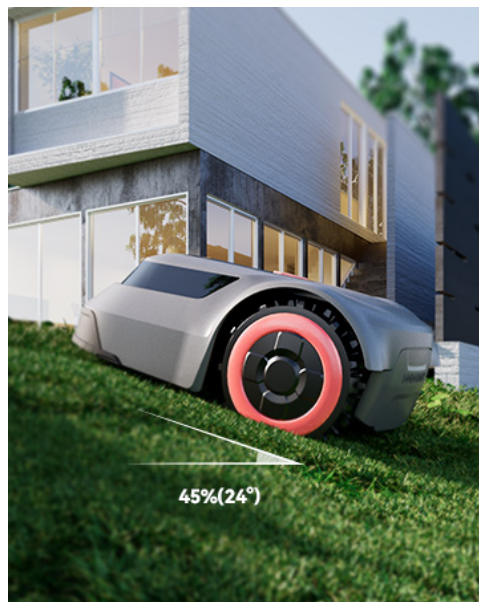
When the battery level drops below 15%, the mower will automatically return to its charging station. Once charged to 90%, it will resume mowing from where it left off, ensuring complete lawn coverage.



The robot lawn mower automatically returning to its charging station for recharge and its ability to operate in light rain or delay mowing.

5. Slope Handling

The MGC1000 is equipped with a two-wheel drive system, allowing it to navigate slopes up to 45% (24°).



The Redkey MGC1000 demonstrating its capability to climb slopes up to 45% (24 degrees).

6. Intelligent Obstacle Avoidance

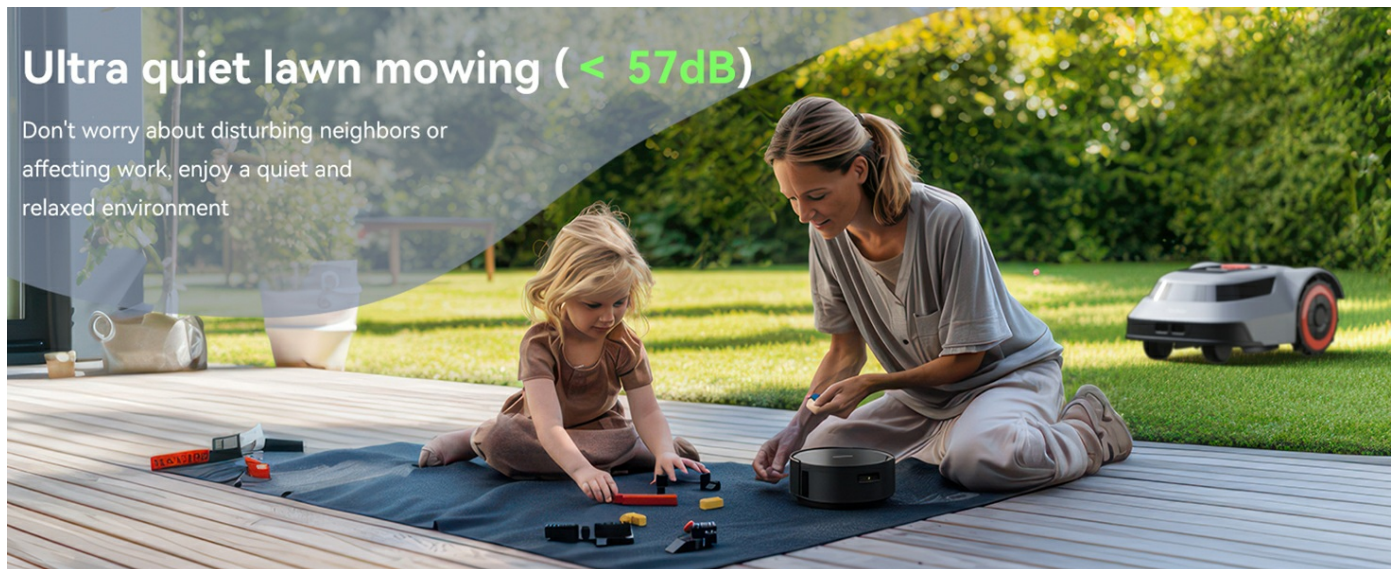
The mower is equipped with collision sensors. Upon encountering an obstacle, it will adjust its direction to navigate around it, ensuring continuous operation.



The Redkey MGC1000 demonstrating its intelligent obstacle avoidance by seamlessly navigating around a bush.

7. Quiet Operation

The MGC1000 operates at a low noise level (below 57dB), allowing for quiet lawn maintenance without disturbing your household or neighbors.

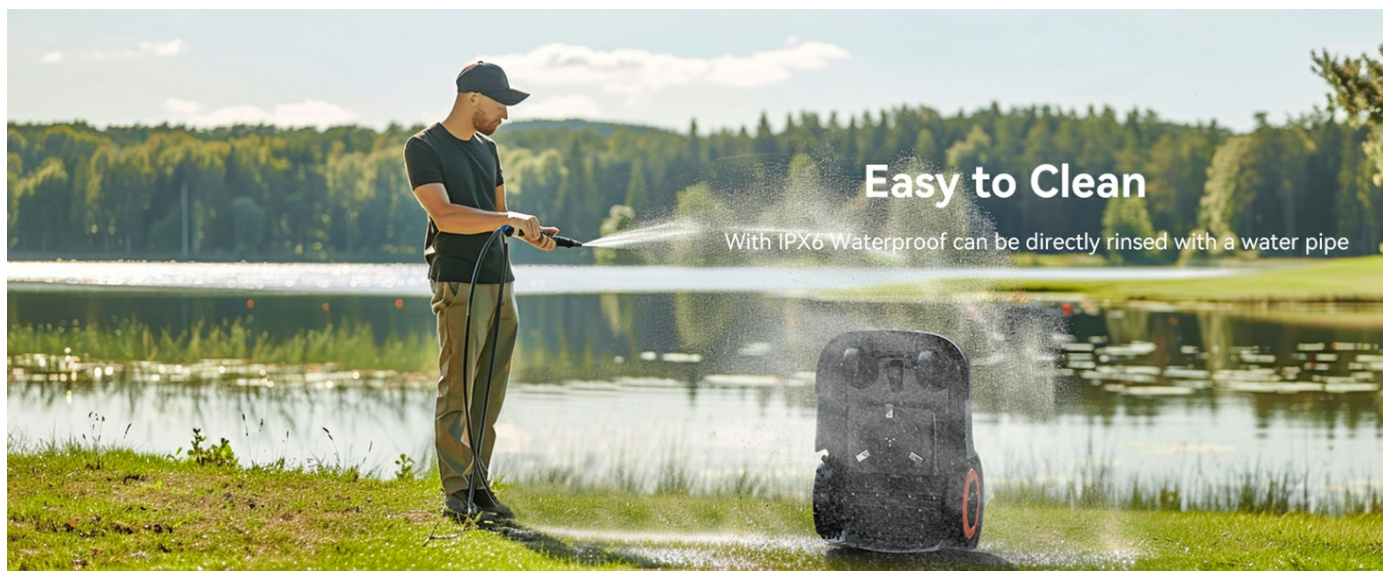


The Redkey MGC1000 operates quietly, allowing for a peaceful outdoor environment while it mows.

MAINTENANCE

1. Cleaning

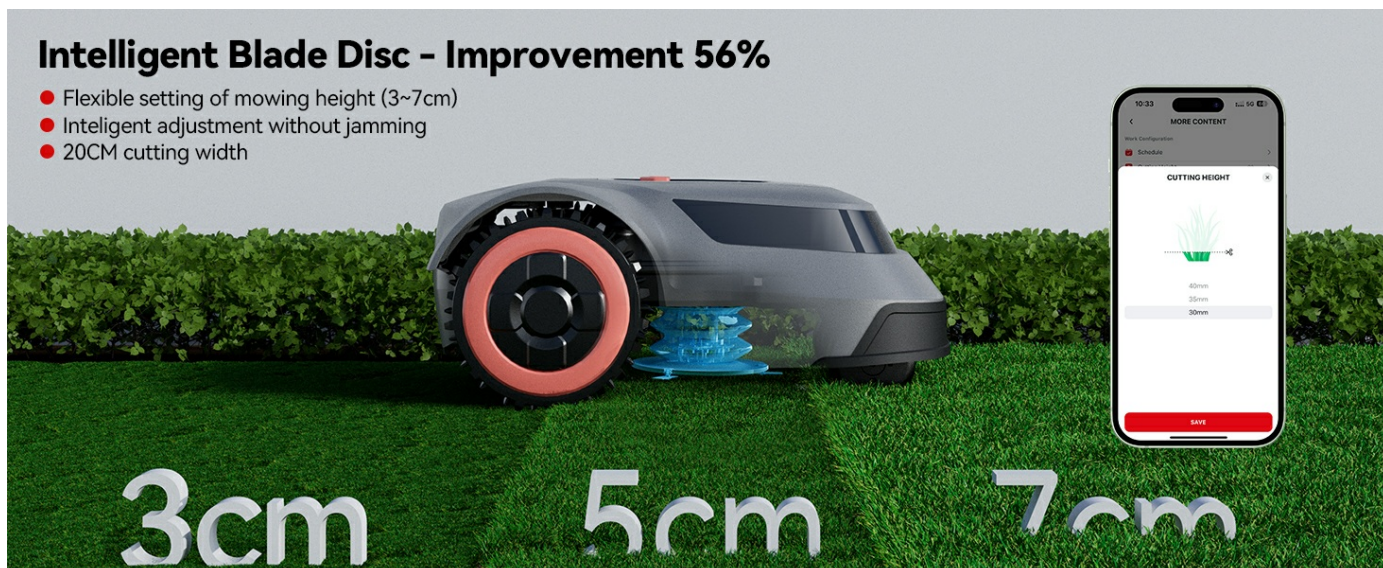
The MGC1000 has an IPX6 waterproof rating, allowing it to be easily cleaned with a hose. Ensure the mower is powered off and disconnected from the charging station before cleaning. Remove grass clippings and debris from the chassis and blade area.



The Redkey MGC1000 is IPX6 waterproof, allowing for easy cleaning with a water hose.

2. Blade Maintenance

Regularly inspect the blades for wear and tear. Sharp blades ensure optimal cutting performance. Replace dull or damaged blades as needed. The intelligent blade system automatically adjusts to grass density to prevent jamming.



The intelligent blade disc allows for flexible cutting height settings and intelligent adjustment to prevent jamming.

3. Battery Care

The mower is equipped with a large battery providing 70 minutes of cutting time per charge. For optimal battery life, allow the mower to return to its charging station when the battery is low. Store the mower in a dry place during off-season periods, ensuring the battery is partially charged.

TROUBLESHOOTING

1. Boundary Wire Break Detection

If the boundary wire is accidentally cut or damaged, the mower can automatically detect the break. Simply return the mower to the charging station, and the app will display the location of the damage, making repairs easy with the supplied cable connectors.



The Redkey app accurately detects and displays the location of a boundary wire breakage for easy repair.

2. Common Issues and Solutions

- **Mower not starting:** Check if the mower is fully charged, the boundary wire is intact, and the safety switch is engaged.
- **Mower getting stuck:** Ensure the mowing area is clear of large obstacles. The intelligent blade system helps prevent jamming in dense grass.
- **Poor mowing coverage:** Verify the boundary wire is correctly installed and the mowing schedule is appropriate for your lawn size.
- **App connectivity issues:** Ensure your Wi-Fi network is stable and the mower is within range. Re-pair the device if necessary.

SPECIFICATIONS

Feature	Specification
Brand	Redkey
Model Number	MGC1000
Power Source	Battery Powered
Material	Aluminum
Color	Ash White
Item Weight	42 Pounds
Cutting Width	7.87 Inches
Operation Mode	Automatic
Product Dimensions	23.5"D x 16.5"W x 4.9"H
UPC	765150877024
Max. Adjustable Cutting Height	2.76 Inches (7 cm)
Min. Adjustable Cutting Height	1.18 Inches (3 cm)

Slope Capability	Up to 45% (24°)
Waterproof Rating	IPX6
Battery Life (per charge)	70 minutes

WARRANTY AND SUPPORT

Redkey offers a comprehensive service with a **2-year warranty** on the MGC1000 robot lawn mower. We are committed to providing excellent customer support.

How to Reach Us:

If you have any concerns about your product or require assistance, please contact us through the following channels:

- **Amazon Customer Service:** Navigate to your Account > Orders > Order Detail for this product, then select 'Sold by: JS-Damai' and 'Ask a question'.
- **Email Support:** service@redkeyofficial.com (as indicated in brand story images)

Our customer service is available 24/7 to provide fast support and assist with any troubleshooting needs. We also provide a quick installation guide and videos, as well as a troubleshooting guide with corresponding error codes.



Redkey Support

How to reach us

If there are any concerns about our product, please tell us via the following channel:

Account -Orders -Order Detail -
Sold by: JS-Damai -Ask a question



12 Hrs Fast Support
24/7 Support





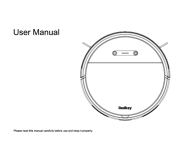



2-Year Product Protection
No Repairs Needed

Redkey support offers fast assistance and a 2-year product protection plan.

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Related Documents - MGC1000

 <p>Operator' s manual</p> <p>MGC SERIES robotic mower</p>	<p>Redkey MGC Series Robotic Lawn Mower Operator's Manual</p> <p>Comprehensive operator's manual for the Redkey MGC Series robotic lawn mower, covering safety, operation, installation, maintenance, troubleshooting, and technical specifications.</p>
	<p>ANTHBOT MGC Series Pion Robotic Lawn Mower Instruction Manual</p> <p>Comprehensive instruction manual for the ANTHBOT MGC Series Pion Robotic Lawn Mower, covering safety, operation, installation, maintenance, and troubleshooting.</p>
	<p>Redkey MGC Robot Lawn Mower: Installation and User Manual</p> <p>Comprehensive guide for installing, operating, and maintaining your Redkey MGC series robot lawn mower. Includes safety instructions, technical specifications, troubleshooting, and warranty information.</p>
	<p>Redkey S100 Robotic Pool Cleaner User Manual</p> <p>Comprehensive user manual for the Redkey S100 Robotic Pool Cleaner, detailing setup, operation, maintenance, and troubleshooting for optimal pool cleaning performance.</p>
	<p>Redkey Robot Vacuum Cleaner User Manual</p> <p>User manual for the Redkey Robot Vacuum Cleaner, detailing product introduction, packing list, robot buttons, sensors, installation steps, operation modes, and remote control functions.</p>
	<p>Redkey S100 Robotic Pool Cleaner User Manual</p> <p>Comprehensive guide for the Redkey S100 Robotic Pool Cleaner, covering setup, operation, maintenance, and troubleshooting. Learn how to efficiently clean your pool with this automatic cleaner.</p>



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MGC 20241119 ASUS Istruzioni per l'uso Redkey MGC1000 Robot Lawn Mower Cable Break Detection Maximum Tilt Angle of 24° Automatic Lifting Cutting Platform for Yard Spaces Up to 1000 m² Amazon.it Garden B1 BqnhWwSLm media amazon images I B1 BqnhWwSL ref dp product quick view ||| Y U r n p e r f e c t e d Serie MGC Tagliaerba robotizzato Pion Manuale d istruzioni del tagliaerba ... presente, SHENZHEN LDROBOT CO., LTD dichiara che il tipo di apparecchiatura radio MGC500, MGC750, **MGC1000** conforme alla Direttiva 2014/53/UE. Con la presente, SHENZHEN LDROBOT CO., LTD dichiara che... lang:it score:22 filesize: 2.83 M page_count: 26 document date: 2025-05-12



[Redkey MGC Robot Lawn Mower: Installation and User Manual](#)

Comprehensive guide for installing, operating, and maintaining your Redkey MGC series robot lawn mower. Includes safety instructions, technical specifications, troubleshooting, and warranty information. lang:es score:16 filesize: 2.82 M page_count: 26 document date: 2025-05-12