Ryobi RY48110

Ryobi 38" Battery Electric Rear Engine Riding Lawn Mower

Model: RY48110

Product Overview

The Ryobi 48-Volt Riding Lawn Mower (model RY48110) offers an environmentally friendly and efficient solution for lawn maintenance. This electric mower is designed to provide powerful performance without the emissions and noise associated with traditional gas-powered models. Its robust battery system ensures extended operation, making it suitable for various lawn sizes.



Figure 1: The Ryobi 38-inch Battery Electric Rear Engine Riding Lawn Mower, showcasing its compact design and vibrant green and black color scheme. The image highlights the comfortable seat, steering wheel, and the cutting deck.

Key features include:

- **Battery Operated:** Fully electric with zero emissions.
- **Powerful Performance:** Equipped with 3 brushless motors for superior power.
- **Extended Runtime:** Up to 2 hours of operation, covering up to 2 acres per charge.
- **Low Maintenance:** Designed without belts, spark plugs, or filters, simplifying upkeep.
- **Convenience Features:** Includes LED headlights for visibility, a USB charging port for devices, and cruise control for ease of use.

Setup

Before operating your new Ryobi riding lawn mower, ensure proper setup to guarantee safe and efficient performance.

1. **Unpacking and Assembly:** Carefully remove all components from the packaging. Follow the detailed assembly instructions provided in the separate assembly guide to correctly attach the steering wheel, seat, and any other necessary parts. Ensure all fasteners are securely tightened.

2. **Battery Charging:** The mower is powered by 75Ah batteries. Before first use, fully charge the batteries using the provided charger. Connect the charger to a standard 120-Volt outlet. The control panel's battery indicator will show the charging status. A full charge typically takes several hours.
3. **Safety Checks:** Familiarize yourself with all safety warnings and operating controls. Ensure the cutting deck is clear of debris and that the blades are properly installed and secured.

Operating Instructions

Operating the Ryobi electric riding mower is straightforward, designed for user convenience and effective lawn cutting.

1. **Starting the Mower:** Insert the key into the ignition and turn it to the 'ON' position. Ensure the blade engagement lever is disengaged and the parking brake is set.
2. **Adjusting Cutting Height:** Use the 12-position manual deck adjustment lever to set your desired cutting height. This allows for precise control over grass length, ranging from 1.5 inches to 4.5 inches.
3. **Engaging Blades:** Once in a safe operating area, engage the blade engagement lever. The 38-inch, 2-blade deck will begin to rotate.
4. **Driving and Steering:** The mower operates similarly to a car, with pedals for acceleration and braking. Use the steering wheel to navigate. The electric motor provides ample torque for effective mowing.
5. **Using Convenience Features:** Activate the LED headlights for improved visibility in low-light conditions. Utilize the USB phone charger to keep your devices powered. Engage cruise control for consistent speed during long mowing sessions.
6. **Quiet and Fume-Free Operation:** Benefit from the quiet operation and absence of gasoline fumes, enhancing your mowing experience.
7. **Stopping the Mower:** Disengage the blades, release the accelerator, and apply the brake. Turn the key to the 'OFF' position to shut down the mower.

Maintenance

The Ryobi electric riding mower is designed for low maintenance, but regular care ensures longevity and optimal performance.

- **Battery Care:** To prolong battery life, especially during off-season storage, ensure batteries are fully charged before storing. During prolonged storage in cold climates, it is recommended to periodically charge the batteries (approximately once a month) to prevent deep discharge, provided they are not frozen.
- **Cleaning:** After each use, clean the cutting deck and exterior of the mower to remove grass clippings and debris. This prevents buildup that can affect performance and lead to corrosion.
- **Blade Inspection:** Regularly inspect the cutting blades for sharpness and damage. Sharpen or replace blades as needed to ensure a clean cut and efficient operation.
- **General Inspection:** Periodically check all nuts, bolts, and fasteners for tightness. Inspect tires for proper inflation and wear.
- **No Belts, Spark Plugs, or Filters:** A significant advantage of this electric mower is the absence of traditional gas engine components like belts, spark plugs, and air filters, reducing routine maintenance tasks.

Troubleshooting

This section provides general guidance for common issues. For complex problems, contact Ryobi customer support.

Problem	Possible Cause	Solution
Mower does not start or has no power.	Low battery charge, faulty fuse, or drive controller issue.	Ensure batteries are fully charged. Check the battery indicator on the control panel. If issues persist, contact customer support for fuse or controller diagnosis.
Blades do not engage or stop intermittently.	Blade engagement lever not fully engaged, or an electrical issue.	Ensure the blade engagement lever is firmly in the 'ON' position. If the problem continues, there may be an internal electrical fault requiring professional service.
Jerky transmission, especially in reverse.	Possible transmission calibration issue or motor control problem.	Operate the mower smoothly. If the jerkiness is severe or persistent, contact customer support for diagnosis and potential repair.
Charge meter reading is inconsistent.	Battery calibration issue or sensor malfunction.	Ensure the mower is fully charged and discharged a few times to recalibrate. If readings remain erratic, contact customer support.

Specifications

- **Brand:** Ryobi
- **Model Number:** RY48110
- **Power Source:** Battery Powered (48-Volt, 75Ah)
- **Color:** Green
- **Style:** Electric Riding Mower
- **Cutting Width:** 38 Inches (2-blade deck)
- **Deck Adjustment Positions:** 12 (Manual)
- **Minimum Adjustable Cutting Height:** 1.5 Inches
- **Maximum Adjustable Cutting Height:** 4.5 Inches
- **Operation Mode:** Manual
- **Manufacturer:** RyobiOne+

Warranty and Support

For warranty information, service, or technical support, please refer to the official Ryobi documentation included with your product or visit the Ryobi customer support website. The product typically comes with a manufacturer's warranty covering defects in materials and workmanship. Additionally, a 30-day refund/replacement return policy may apply from the point of purchase.

For direct assistance, contact Ryobi customer service. Keep your model number (RY48110) and proof of purchase readily available when contacting support.

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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

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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