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› [Sun Joe iON16LM 40-Volt 16-Inch Brushless Cordless Lawn Mower Instruction Manual](#)

## Sun Joe ION16LM

# Sun Joe iON16LM 40-Volt 16-Inch Brushless Cordless Lawn Mower Instruction Manual

## INTRODUCTION

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This manual provides essential instructions for the safe assembly, operation, and maintenance of your Sun Joe iON16LM 40-Volt 16-Inch Brushless Cordless Lawn Mower. Please read this manual thoroughly before using the product to ensure proper function and to prevent injury. Keep this manual for future reference.

The Sun Joe iON16LM is designed for residential lawn care, offering a cordless solution powered by a 40V iONMAX battery system. It features a brushless motor for efficient performance and extended motor life.



Figure 1: Sun Joe iON16LM 40-Volt 16-Inch Brushless Cordless Lawn Mower

## SAFETY INFORMATION

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Always prioritize safety when operating the lawn mower. Failure to follow safety instructions can result in serious injury or property damage.

- Read all instructions before operating the appliance.
- Wear appropriate personal protective equipment, including eye protection, hearing protection, and sturdy footwear.
- Keep children, pets, and bystanders away from the mowing area.
- Never operate the mower in wet conditions or on steep slopes.
- Always remove the safety key and battery when cleaning, performing maintenance, or when the mower is unattended.
- This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning).

## SETUP

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## 1. Unpacking

Carefully remove all components from the packaging. Ensure all parts listed in the product manual are present and undamaged. Dispose of packaging materials responsibly.

## 2. Handle Assembly

Attach the upper handle to the lower handle using the provided knobs and bolts. Ensure the handle is securely fastened and the cables are not pinched.



*Figure 2: Handle controls and assembly points*

## 3. Battery Charging

Before first use, fully charge the 40V iONMAX lithium-ion battery using the quick charger. Refer to the battery and charger manual for detailed charging instructions. The charger will indicate when the battery is fully charged.

## 4. Battery Insertion

Open the battery compartment cover located on the top of the mower. Slide the fully charged battery into the compartment until it clicks into place. Insert the safety key into its slot. Close the battery compartment cover securely.



Figure 3: Open battery compartment



Figure 4: Inserting the battery

## 5. Grass Bag Assembly and Attachment

Assemble the grass bag according to the instructions provided with the bag. Once assembled, lift the rear discharge flap on the mower and hook the grass bag onto the mower's frame.



Figure 5: Attaching the grass bag

## Setup Video

Your browser does not support the video tag. Please update your browser to view this content.

*Video 1: Sun Joe iON16LM 40-Volt 16-Inch Brushless Cordless Lawn Mower Setup Overview*

## OPERATING INSTRUCTIONS

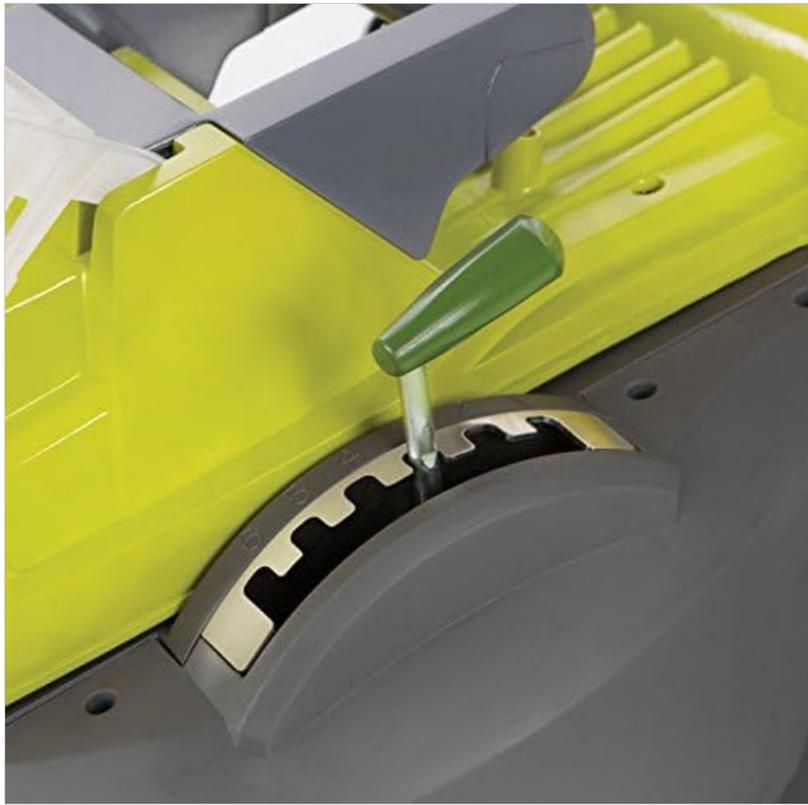
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### 1. Starting the Mower

To start the mower, press and hold the safety button on the handle, then pull the bar lever towards the handle. The motor will start instantly. Release the safety button once the motor is running.

### 2. Adjusting Cutting Height

The mower features a 6-position height adjustment lever. To adjust the cutting height, pull the lever outwards and move it to the desired position. The cutting height can be set from 1.18 inches to 3.15 inches.



*Figure 6: Cutting height adjustment lever*

### **3. Mowing Techniques**

- For best results, mow when the grass is dry.
- Overlap cutting swaths slightly to ensure an even cut.
- Avoid cutting more than one-third of the grass blade length at a time.
- Mow in parallel lines for a neat appearance.



Figure 7: Sun Joe iON16LM in operation

#### 4. Emptying the Grass Bag

The grass bag has a filling level indicator. When the indicator flap closes, the bag is full and needs to be emptied. To empty, release the bar lever to stop the mower, remove the safety key and battery, then detach the grass bag and dispose of clippings.

### MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your mower.

- **Cleaning:** After each use, remove the safety key and battery. Clean the mower deck, grass bag, and wheels with a damp cloth. Do not use water jets or harsh chemicals.
- **Blade Inspection:** Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance. Replace the blade if necessary.



Figure 8: Underside view showing the cutting blade

- **Battery Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, ensure the battery is partially charged (around 50%).

## TROUBLESHOOTING

If you encounter issues with your Sun Joe iON16LM, refer to the following common solutions:

- **Mower does not start:** Ensure the battery is fully charged and properly inserted. Check that the safety key is fully engaged. Confirm the safety button is pressed before pulling the bar lever.
- **Poor cutting performance:** The blade may be dull or damaged. Inspect and replace if necessary. Adjust the cutting height for optimal results. Avoid mowing excessively tall or wet grass.
- **Short runtime:** Ensure the battery is fully charged. Battery performance can decrease over time or in extreme temperatures.

For persistent issues, contact Sun Joe customer support.

## SPECIFICATIONS

Feature	Specification
Brand	Sun Joe
Model Number	ION16LM
Power Source	Battery Powered (40-Volt)
Cutting Width	16 Inches
Cutting Height Adjustment	6-position (1.18 to 3.15 Inches)
Battery Life	Up to 40 minutes (with 4.0-Ah Battery)

Item Weight	37.3 Pounds
Product Dimensions	48.4"D x 17.7"W x 42.9"H
Deck Material	ABS Plastic
Certifications	ETL Approved, Energy Star Certified (Charger)

## **WARRANTY AND SUPPORT**

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The Sun Joe iON16LM is backed by a full two-year warranty. For warranty claims, technical assistance, or to purchase replacement parts, please contact Sun Joe customer support. Keep your purchase receipt as proof of purchase.