

MZK LM16B011

MZK 40V 16-inch Electric Lawn Mower

Model: LM16B011

Brand: MZK

1. INTRODUCTION

Thank you for choosing the MZK 40V 16-inch Electric Lawn Mower. This manual provides essential information for the safe assembly, operation, and maintenance of your new lawn mower. Please read this manual thoroughly before first use and keep it for future reference. Proper use and care will ensure efficient performance and extend the life of your product.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating this appliance.

- **Read All Instructions:** Familiarize yourself with the controls and proper use of the appliance.
- **Wear Eye Protection:** Always wear safety glasses or goggles when operating the mower.
- **Keep Area Clear:** Ensure the mowing area is free of debris, rocks, and other objects that could be thrown by the blade. Keep bystanders, children, and pets at a safe distance.
- **Disconnect Battery:** Always remove the battery pack when not in use, before cleaning, performing maintenance, or making adjustments.
- **Avoid Wet Conditions:** Do not operate the mower in rain or wet grass.
- **Proper Attire:** Wear long pants, sturdy footwear, and avoid loose clothing that could get caught in moving parts.
- **Inspect Before Use:** Check the mower for damaged parts, loose fasteners, or any other condition that may affect its safe operation.
- **Use Correct Batteries and Charger:** Only use MZK 40V 4.0Ah batteries and the provided dual-port charger.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking.

- 1 × 16-inch Cordless Lawn Mower
- 2 × 20V 4.0Ah Batteries (combine for 40V operation)
- 1 × Dual-Port Charger
- 1 × 11-gallon Grass Bag
- 1 × Instruction Manual

4. PRODUCT OVERVIEW

The MZK 40V 16-inch Electric Lawn Mower is designed for efficient lawn care with user-friendly features.

Key Features:

- **High-Performance Brushless Motor:** Delivers up to 3400 RPM for strong cutting power and extended motor life.
- **Dual-Battery System:** Utilizes two 20V 4.0Ah batteries for a combined 40V power, providing up to 45 minutes of runtime.
- **2-in-1 Cutting Options:** Supports both mulching and rear bagging for versatile lawn maintenance.
- **5-Position Height Adjustment:** Easily adjust cutting height from 1.4 inches to 3 inches (35mm to 75mm) to suit grass conditions.
- **16-inch Cutting Width:** Ideal for small to medium-sized lawns.
- **11-Gallon Grass Collection Bag:** Large capacity reduces the frequency of emptying.
- **2-Step Safety Start:** Prevents accidental startup for enhanced safety.

Product Dimensions:

Refer to the image below for detailed product dimensions.



Figure 1: Product Dimensions (Extended and Folded)

5. SETUP

5.1 Assembly

The lawn mower requires minimal assembly. Follow the instructions provided in the separate assembly guide or the quick start guide included in your package. Ensure all bolts and fasteners are securely tightened before operation.

5.2 Battery Charging and Installation

Your mower is powered by two 20V 4.0Ah lithium-ion batteries. Always fully charge batteries before first use.

The MZK logo is displayed in white text on a red rectangular background.

5 ADJUSTABLE CUTTING HEIGHTS



Figure 2: Battery Compartment with 40V (2x20V) 4.0Ah Batteries

1. **Charging:** Connect the dual-port charger to a standard power outlet. Insert both 20V 4.0Ah batteries into the charger. The indicator lights on the charger will show the charging status. Charge until fully indicated.
2. **Installation:** Open the battery compartment cover on the mower. Slide each fully charged battery into its designated slot until it clicks into place. Ensure both batteries are securely seated. Close the battery compartment cover.
3. **Removal:** To remove batteries, press the release tabs on each battery and pull them out of the compartment.

6. OPERATING INSTRUCTIONS

6.1 Starting the Mower

The mower features a 2-step safety start mechanism.



Figure 3: 2-Step Easy Start Mechanism

1. Ensure batteries are installed and the grass bag (if used) is attached.
2. Press and hold the safety button located on the handle.
3. While holding the safety button, pull the bail switch (handle bar) towards you. The motor will start.
4. Release the safety button, but continue to hold the bail switch to keep the mower running.
5. To stop the mower, release the bail switch.

6.2 Adjusting Cutting Height

The mower offers 5 cutting height settings from 1.4 inches (35mm) to 3 inches (75mm).



MULCHING

2-IN-1 CUTTING OPTIONS



BAGGING

Figure 4: 5 Adjustable Cutting Heights

To adjust the cutting height, locate the height adjustment lever on the side of the mower. Pull the lever outwards and move it to the desired position. Ensure the lever locks securely into place before operating the mower.

6.3 Mowing Techniques (2-in-1 Functionality)

Your MZK lawn mower supports both mulching and rear bagging.

MZK



HIGH-PERFORMANCE 3400RPM BRUSHLESS MOTOR

Figure 5: 2-in-1 Cutting Options (Mulching and Bagging)

- **Rear Bagging:** Attach the 11-gallon grass collection bag to the rear discharge chute. The mower will collect grass clippings into the bag. Empty the bag when it is full to maintain optimal collection performance.



Figure 6: 11-Gallon Grass Collection Bag

- **Mulching:** To mulch, ensure the rear discharge chute is closed (mulching plug installed, if applicable, or simply remove the grass bag and close the flap). The mower will cut grass clippings into fine pieces and redistribute them back onto the lawn as natural fertilizer.

For best results, mow when the grass is dry. Avoid cutting more than one-third of the grass blade length at a time.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower. Always remove the battery pack before performing any maintenance.

- **Cleaning:** After each use, clean the mower deck and exterior with a damp cloth. Remove any grass clippings or debris from the blade area and vents. Do not use water hoses or high-pressure washers directly on the mower.
- **Blade Care:** Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can lead to poor cutting performance and strain the motor. Replace or sharpen the blade as needed. Refer to the blade replacement instructions in the full manual.
- **Storage:** Store the mower in a dry, secure location away from children. The handle can be folded for compact storage. Remove batteries before storing for extended periods.

8. TROUBLESHOOTING

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Mower does not start	Batteries not charged or improperly installed; Safety button/bail switch not engaged; Overload protection activated.	Ensure batteries are fully charged and correctly inserted. Engage safety button and bail switch simultaneously. Allow mower to cool down if overloaded.
Poor cutting performance	Dull or damaged blade; Cutting height too low for grass condition; Wet or overgrown grass.	Inspect and replace/sharpen blade. Adjust cutting height higher. Mow when grass is dry and not excessively long.
Short runtime	Batteries not fully charged; Batteries nearing end of life; Mowing thick or wet grass.	Ensure batteries are fully charged. Consider replacing old batteries. Mow dry grass and avoid overloading the motor.
Excessive vibration	Damaged or unbalanced blade; Loose components.	Inspect blade for damage and replace if necessary. Check all fasteners for tightness.

If you encounter issues not listed here or solutions do not resolve the problem, please contact MZK customer support.

9. SPECIFICATIONS

Technical details for the MZK 40V 16-inch Electric Lawn Mower.

Feature	Detail
Brand	MZK
Model Number	LM16B011 (Manufacturer Part Number: ET2602-BY-3)
Power Source	Battery Powered (2 x 20V 4.0Ah Lithium-ion)
Motor Type	Brushless
Cutting Width	16 Inches
Cutting Height Adjustment	5 Positions (1.4" to 3" / 35mm to 75mm)
Grass Bag Capacity	11 Gallons (40 Liters)
Operation Mode	Automatic
Product Dimensions (L x W x H)	15"D x 10"W x 13"H (folded for storage) / 50.8"L x 18.1"W x 38.6"H (extended)
Assembly Required	Yes

10. WARRANTY AND CUSTOMER SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official MZK website. If you have any questions, require technical assistance, or need to order replacement parts, please contact MZK customer support through the retailer where the product was purchased or directly via the manufacturer's contact information.

