Makita DLM432Z

Makita DLM432Z Cordless Lawnmower User Manual

Model: DLM432Z | Brand: Makita

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Makita DLM432Z Cordless Lawnmower. Please read this manual thoroughly before first use and keep it for future reference.
The Makita DLM432Z is a powerful cordless lawnmower designed for cutting, collecting, and mulching (mulching wedge sold separately) small to medium-sized lawns. It features a low-noise operation, a durable plastic deck, and is powered by two 18V LXT batteries.

Safety Instructions

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep children and bystanders away while operating the lawnmower. Wear appropriate personal protective equipment, including eye protection and sturdy footwear. Do not operate the lawnmower in wet conditions or on excessively steep slopes. Ensure the area is clear of debris before mowing.

Setup and Assembly

Your Makita DLM432Z lawnmower is delivered without batteries or a charger. Ensure you have two compatible 18V LXT batteries and a charger before proceeding.

1. **Handle Assembly:** The lawnmower features a foldable handle for compact storage. Assemble the handle by extending it and securing the locking mechanisms. Refer to the diagram for proper handle positioning.
2. **Battery Installation:** The lawnmower requires two 18V batteries connected in series. Insert the fully charged batteries into the separate battery holders. Ensure they click securely into place.
3. **Grass Collection Bag Attachment:** Attach the 50-liter grass collection bag to the rear of the lawnmower. Ensure it is properly seated to prevent grass clippings from escaping.



Image: The Makita DLM432Z lawnmower with its handle folded, demonstrating its compact storage dimensions.



Image: A close-up view of the battery compartment on the Makita DLM432Z, showing the dual battery charge indicators visible to the user.

Operating Instructions

1. **Adjusting Cutting Height:** The lawnmower offers 13 cutting height adjustments, centrally controlled from 20 mm to 75 mm. Use the lever on the side of the deck to select the desired cutting height.
2. **Starting the Lawnmower:** Ensure the area is clear. Press the safety button and pull the bail lever towards the handle to start the motor. Release the bail lever to stop the motor.
3. **Mowing Technique:** Push the lawnmower forward in overlapping rows. The inward offset wheels allow for mowing close to edges. The specially shaped front reduces effort when pushing.
4. **Monitoring Battery Charge:** The dual battery charge indicator is located in direct view of the user, allowing for easy monitoring of battery levels during operation.
5. **Grass Collection:** The 50-liter grass collection bag has a level indicator to show when it needs emptying. Empty the bag

regularly to maintain optimal cutting performance.

6. **Slopes:** The position-independent battery motor allows for safe use on slopes. Exercise caution and mow across the face of slopes, not up and down.



Image: A detailed view of the cutting height adjustment lever on the Makita DLM432Z, showing the various height settings.



Image: The Makita DLM432Z cordless lawnmower actively mowing a lawn, demonstrating its use in a typical outdoor setting.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your lawnmower. Always disconnect batteries before performing any maintenance.

- **Cleaning:** After each use, clean the mower deck and grass collection bag. The Xtreme Protection Technology (XPT) provides optimum protection against dust and splashing water, but regular cleaning is still recommended. Do not use high-pressure washers directly on electrical components.
- **Blade Inspection:** Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can affect cutting performance and put strain on the motor. Replace the blade if necessary.
- **Battery Care:** Store batteries in a cool, dry place. Do not expose them to extreme temperatures. Charge batteries fully before storage and periodically during long periods of inactivity.

Troubleshooting

Problem	Possible Cause	Solution
Lawnmower does not start.	Batteries not installed correctly or not charged. Safety button/bail lever not engaged.	Ensure batteries are fully charged and properly inserted. Fully engage the safety button and pull the bail lever.
Reduced cutting power or mower struggles.	Low battery charge. Grass is too long or wet. Dull or damaged blade.	Replace with fully charged batteries. Avoid mowing excessively long or wet grass. Inspect and sharpen/replace the blade. Note that power may decrease significantly when battery charge drops below 50%.
Grass collection bag fills too quickly.	Normal operation for dense or long grass.	Empty the grass collection bag more frequently. This is a normal characteristic of the 50L bag, especially in challenging grass conditions.
Uneven cut.	Dull blade. Incorrect cutting height setting.	Inspect and sharpen/replace the blade. Ensure the cutting height is set evenly across all wheels.

Specifications

Feature	Detail
Brand	Makita
Model Number	DLM432Z
Power Source	Battery Powered (2 x 18V LXT)
Material	Plastic
Cutting Width	43 cm (15 Inches)
Cutting Height Adjustment	13 positions, central adjustment 20 - 75 mm
Grass Catcher Basket Capacity	50 Liters
Operation Mode	Manual (Push)
Idle Speed	3600 min^{-1}
Surface Capacity	Up to 575 m^2
Product Dimensions (DxWxH)	18.11"D x 58.66"W x 41.14"H
Item Weight (with battery)	16.8 - 17.5 kg (34.8 pounds)
Sound Power Level (LWA)	92 dB(A)
Sound Pressure Level (LpA)	81 dB(A)
Vibration	≤2.5 m/s^2
Protection Technology	Xtreme Protection Technology (XPT)

Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or visit the official Makita website. For technical support, spare parts, or service inquiries, please contact Makita customer service or an authorized service center. You can find more information and contact details on the Makita Store on Amazon.

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