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Makita DLM465Z

Makita DLM465Z Cordless Lawn Mower User Manual

Model: DLM465Z

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DLM465Z 2 x 18V Cordless Lawn Mower. Please read this manual thoroughly before using the product and keep it for future reference.

The Makita DLM465Z is a quiet 2 x 18V cordless lawn mower featuring a robust steel deck, designed for large lawns. It includes four battery slots for extended range and a self-propelled wheel drive that can be used independently of the mowing mechanism. A silent mode is available for noise-sensitive environments.

Safety Information

Always observe the following safety precautions to reduce the risk of injury or damage:

- Read all instructions carefully before operation.
- Wear appropriate personal protective equipment (PPE), including eye protection, hearing protection, and sturdy footwear.
- Ensure the work area is clear of debris, stones, and other objects that could be thrown by the blades.
- Never operate the lawn mower in wet conditions or on steep slopes.
- Keep hands and feet away from rotating parts.
- Disconnect the battery pack before performing any maintenance, cleaning, or when leaving the machine unattended.
- Only use genuine Makita batteries and chargers.
- Store the lawn mower in a dry, secure place, out of reach of children.

Package Contents

Verify that all items are present upon unpacking:

- Makita DLM465Z Cordless Lawn Mower (unit only, batteries and charger sold separately)
- Grass Collector (60 L capacity)
- Mulching Plug (for mulching function)
- Blade
- Instruction Manual



Image: The Makita DLM465Z lawn mower shown with its grass collector and mulching plug, illustrating the main components included.

Setup

1. Handle Assembly

1. Unfold the handle assembly and align the lower handle with the mower body.
2. Secure the handle using the provided knobs or levers. Ensure it is firmly locked in place.
3. Adjust the handle height to a comfortable operating position, if applicable.



Image: A front-angle view of the Makita DLM465Z cordless lawn mower, highlighting the handle and overall structure.

2. Battery Installation

- Ensure batteries are fully charged before first use.
- Open the battery cover located on top of the mower.
- Insert two 18V LXT batteries into the designated slots until they click into place. The mower supports up to four batteries for extended runtime.
- Close the battery cover securely.



Image: A top-down view of the Makita DLM465Z, showing the battery compartment area where the 18V batteries are inserted.

3. Grass Collector / Mulching Plug Installation

- **For Grass Collection:** Lift the rear discharge flap and hook the grass collector onto the mower body. Ensure it is securely attached.
- **For Mulching:** Insert the mulching plug into the discharge opening under the rear flap. Ensure it is fully seated.

Operating Instructions

1. Adjusting Cutting Height

The cutting height can be adjusted centrally from 20 mm to 100 mm (10 positions). Locate the height adjustment lever on the side of the mower. Pull the lever outwards and move it to the desired height setting. Release the lever to lock it in place.



Image: A side view of the Makita DLM465Z, illustrating the location of the cutting height adjustment lever.

2. Starting the Mower

1. Ensure batteries are installed and the grass collector/mulching plug is correctly fitted.
2. Press and hold the safety button on the handle.
3. While holding the safety button, pull the switch lever towards the handle. The motor will start.
4. Release the safety button once the motor is running.

3. Using Self-Propelled Drive

The self-propelled drive can be engaged independently. Locate the drive lever on the handle. Pull the drive lever towards the handle to engage the wheels. Release the lever to disengage the drive.

The variable speed adjustment allows for speeds from 2.5 to 5.0 km/h.

4. Silent Mode

For noise-sensitive environments, activate the silent mode. Refer to the control panel on the handle for the silent mode button. This mode reduces the motor speed to 2500 rpm for quieter operation.

5. Stopping the Mower

Release the switch lever to stop the motor and blades. For complete power disconnection, remove the battery packs.

Maintenance

1. Cleaning

- Always remove batteries before cleaning.
- Clean the mower deck and blades after each use to prevent grass buildup. Use a brush or damp cloth. Do not use high-pressure water.
- Empty the grass collector regularly.
- Clean the air vents to ensure proper motor cooling.

2. Blade Inspection and Sharpening

- Regularly inspect the blade for sharpness and damage. A dull or damaged blade can affect cutting performance.
- If necessary, have the blade sharpened or replaced by a qualified service technician. Always use genuine Makita replacement blades.

3. Storage

- Remove batteries before storing the mower for extended periods.
- Store the mower in a cool, dry place, protected from direct sunlight and moisture.
- The handle can be folded for compact storage.

Troubleshooting

Problem	Possible Cause	Solution
Mower does not start	Batteries not charged or inserted correctly. Safety button not pressed. Switch lever not pulled.	Charge and reinsert batteries. Ensure safety button is pressed before pulling lever. Pull switch lever fully.
Poor cutting performance	Dull or damaged blade. Grass collector full. Cutting height too low for grass type.	Sharpen or replace blade. Empty grass collector. Adjust cutting height.
Mower stops during operation	Batteries depleted. Overload protection activated.	Replace with charged batteries. Reduce load (e.g., raise cutting height, clear dense grass).

Specifications

Feature	Detail
Model Number	DLM465Z
Battery System	LXT (2 x 18V)
Cutting Width	46 cm
Cutting Height Adjustment	Central, 10 positions (20-100 mm)
Grass Collector Capacity	60 L
Ideal Surface Area	Up to 1900 m^2

Feature	Detail
No-load Speed (Normal Mode)	3300 rpm
No-load Speed (Silent Mode)	2500 rpm
Drive Speed	2.5 to 5.0 km/h (variable)
Weight (with battery)	35.5 to 39.3 kg (EPTA)
Dimensions (L x W x H)	1610-1690 x 535 x 980-1095 mm
Sound Power Level (LWA)	91 dB(A)
Sound Pressure Level (LpA)	82 dB(A)
Vibration	≤ 2.5 m/s²
Functions	Mowing, Collecting, Mulching

Warranty and Support

Makita products are manufactured to high quality standards and are subject to rigorous quality control. This product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Makita website.

For technical support, spare parts, or service inquiries, please contact your local authorized Makita service center or visit the official Makita website:

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