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Makita DUH506Z

Makita DUH506Z 18V Li-ion LXT Brushless 50cm Hedge Trimmer Instruction Manual

Model: DUH506Z

1. Introduction

This manual provides essential instructions for the safe and effective operation, maintenance, and care of your Makita DUH506Z 18V Li-ion LXT Brushless 50cm Hedge Trimmer. Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage. Keep this manual in a safe place for future reference.



Image 1.1: The Makita DUH506Z 18V Li-ion LXT Brushless 50cm Hedge Trimmer, shown with a battery attached.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating power tools. Failure to follow these instructions may result in serious injury.

2.1 General Power Tool Safety

- **Work Area Safety:** Keep the work area clean and well-lit. Cluttered or dark areas invite accidents. Do not

operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.

- **Electrical Safety:** Avoid body contact with earthed or grounded surfaces. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use appropriate personal protective equipment (PPE) such as hearing protection, non-skid safety shoes, and heavy-duty gloves. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.

2.2 Specific Hedge Trimmer Safety

- **Keep Hands Away:** Never touch the blades while the tool is running. Keep all parts of the body away from the blade.
- **Inspect Before Use:** Before each use, inspect the hedge trimmer for damaged parts, loose fasteners, or any other condition that may affect its safe operation.
- **Clear Obstructions:** Before starting, ensure the area is clear of wires, fences, or other debris that could become entangled in the blades.
- **Secure Grip:** Always hold the hedge trimmer firmly with both hands during operation.
- **Proper Stance:** Maintain proper footing and balance at all times. Do not overreach.
- **Blade Guard:** Always use the blade guard when the tool is not in use or during transport.

3. Product Overview

The Makita DUH506Z is a cordless 50cm hedge trimmer designed for efficient hedge maintenance. It features an 18V brushless motor for powerful performance and extended runtime.

3.1 Key Components

- **500mm Blade:** High-quality cutting blade suitable for branches up to 20mm in diameter.
- **Front Handle Switch:** Ergonomically designed for comfortable and secure operation.
- **Rear Handle:** Provides a secure grip for control.
- **Battery Slot:** Accommodates 18V Li-ion LXT slide-type batteries (not included).
- **Blade Guard:** Protects the blade during storage and transport.



Image 3.1: Close-up view of the front handle and controls of the hedge trimmer.

3.2 Features

- **Brushless Motor:** Delivers up to 4,000 strokes per minute for fast cutting.
- **Electric Brake:** For increased operator safety.
- **Anti-restart Function:** Prevents accidental startup if the battery is inserted with the switch on.
- **LED Indicator:** Provides operational status.
- **Durable Crank Mechanism:** Ensures long-lasting performance.
- **Aluminum Guide Bar:** Contributes to a lighter tool, reducing user fatigue.

4. Setup

Before operating the hedge trimmer, ensure it is properly assembled and the battery is correctly installed.

4.1 Battery Installation and Removal

1. **To Install:** Align the battery pack with the battery slot on the tool. Slide the battery into the slot until it locks into place with a click. Ensure it is securely seated.
2. **To Remove:** Press the release button on the battery pack and slide the battery out of the tool.

Note: The Makita DUH506Z requires an 18V Li-ion LXT slide-type battery (e.g., BL1860B) which is not included with the tool. Do not use G-Series batteries.



Image 4.1: Rear view of the hedge trimmer, showing the battery slot where an 18V Li-ion LXT battery would be inserted.

4.2 Blade Guard

The blade guard is essential for safety. Always remove the blade guard before operation and re-install it immediately after use, before storage or transport. Ensure the blade guard is clean and free from damage.

5. Operating Instructions

Follow these steps for safe and effective operation of your hedge trimmer.

5.1 Starting and Stopping

1. **To Start:** Ensure both the front handle switch and the rear handle switch are depressed simultaneously. The tool will begin operation.
2. **To Stop:** Release either the front handle switch or the rear handle switch. The electric brake will quickly stop

the blade.

The anti-restart function prevents the tool from starting if the battery is inserted while the switches are already depressed.

5.2 Cutting Techniques

- **Hold Firmly:** Always hold the hedge trimmer with both hands.
- **Even Strokes:** Use a smooth, sweeping motion to cut hedges. Avoid forcing the blade through thick branches.
- **Branch Diameter:** The tool is designed for branches up to 20mm in diameter. Do not attempt to cut larger branches, as this can damage the tool or cause injury.
- **Working Height:** Avoid working above shoulder height. Use a stable platform if necessary.



Image 5.1: A user demonstrating the proper technique for trimming a hedge with the Makita DUH506Z.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your hedge trimmer.

6.1 Cleaning

- **After Each Use:** Disconnect the battery. Use a stiff brush to remove leaves, twigs, and debris from the blades and housing.
- **Wipe Down:** Wipe the exterior of the tool with a clean, damp cloth. Do not use harsh chemicals or abrasive cleaners.

6.2 Blade Care

- **Lubrication:** After cleaning, apply a light machine oil or blade lubricant to the cutting blades to prevent rust

and ensure smooth operation.

- **Sharpening:** If the blades become dull, they can be sharpened by a qualified service technician. Dull blades can cause the tool to bind and reduce cutting efficiency.



Image 6.1: Close-up view of the 500mm cutting blade, highlighting the sharpened edges.

6.3 Storage

- Always ensure the blade guard is securely in place before storing.
- Store the tool in a dry, secure location out of reach of children.
- Remove the battery pack from the tool before long-term storage.

7. Troubleshooting

If you encounter issues with your hedge trimmer, refer to the following common troubleshooting steps.

- **Tool Does Not Start:**
  - Ensure the battery is fully charged and properly inserted.
  - Check that both the front and rear handle switches are fully depressed.
  - Verify that the anti-restart function has not been triggered (re-insert battery if necessary).
- **Reduced Cutting Performance:**
  - The blades may be dull and require sharpening.
  - Clear any debris or sap buildup from the blades.
  - Ensure the battery has sufficient charge.
- **Excessive Vibration or Noise:**
  - Inspect the blades for damage or bending.
  - Check for loose components or fasteners.
  - If the issue persists, discontinue use and contact a service center.

For issues not covered here, please contact Makita customer support or an authorized service center.

8. Specifications

Feature	Specification
Model Number	DUH506Z
Power Source	18V Li-ion LXT Battery (not included)
Blade Length	500 mm (19-3/4 inches)
Maximum Branch Diameter	20 mm
Strokes Per Minute (SPM)	4,000
Item Weight	2.9 kg (6.38 lbs)
Blade Type	One side: top bevel tooth with 2 sharpened edges
Guide Bar Material	Aluminum
Continuous Run Time (with BL1860B)	Up to 75 minutes
UPC	088381772242

9. Warranty and Support

9.1 Manufacturer's Warranty

This Makita product comes with a 1-year manufacturer warranty. An additional 2 years of warranty coverage can be obtained by registering the product within 30 days of purchase. This guarantee is void if non-genuine or non-recommended parts, accessories, batteries, or chargers are used with the tool.

9.2 Customer Support

For technical assistance, service, or warranty claims, please contact your local Makita authorized service center or visit the official Makita website. You can also visit the Makita Store on Amazon for more information.

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