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Makita DUH601Z

Makita DUH601Z 18V LXT Li-Ion Cordless 60cm Brushless Hedge Trimmer User Manual

Model: DUH601Z

1. Introduction

Thank you for choosing the Makita DUH601Z 18V LXT Li-Ion Cordless 60cm Brushless Hedge Trimmer. This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before use and keep it for future reference.
The Makita DUH601Z is designed for trimming hedges and shrubs, featuring a powerful brushless motor, variable speed control, and a 60cm double-sided blade for efficient cutting.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. This tool is intended for outdoor use only.

2.1 General Power Tool Safety

- **Work Area Safety:** Keep the work area clean and well-lit. 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, hearing protection, and appropriate clothing. Do not overreach. Maintain proper footing and balance at all times.
- **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 Hedge Trimmer Specific Safety

- **Keep hands away from blades.** Do not attempt to remove cut material or hold material to be cut when blades are moving.
- **Carry the hedge trimmer by the handle** with the cutting blade stopped and pointing away from your body.

- **Inspect the hedge trimmer before each use.** Check for damaged parts, loose fasteners, or any other condition that may affect its operation.
- **Battery Safety:** Use only Makita 18V LXT Li-Ion batteries. Do not expose batteries to extreme heat or cold. Do not short-circuit the battery terminals.

3. Product Overview

The Makita DUH601Z hedge trimmer is designed for comfortable and efficient use, featuring a robust construction and user-friendly controls.



Image 1: Makita DUH601Z 18V LXT Li-Ion Cordless 60cm Brushless Hedge Trimmer. This image shows the teal-colored main body with the black handle and the long, silver cutting blade with teal accents.

Key Components:

- **Cutting Blades:** 60cm double-sided blades with new triple-edged cutting teeth designed to easily catch and firmly hold branches. Curved blades reduce friction resistance.
- **Brushless Motor:** Provides increased power and efficiency, extending run time.
- **Variable Speed Control:** Offers 3-speed settings plus a trigger for precise control over cutting speed.
- **5-Position Rotating Rear Handle:** Allows for comfortable operation at various angles.
- **Ergonomic Soft Grip:** Enhances user comfort and control.
- **Electric Brake:** For increased operator safety.
- **Reverse Button:** To clear jammed branches.
- **Battery Protection Circuit:** Protects the battery from over-discharge, high temperature, or overload current.

4. Setup

4.1 Battery Installation

1. Ensure the hedge trimmer is switched off and the trigger is locked.
2. Align the battery pack with the battery housing on the tool.
3. Slide the battery pack into the housing until it clicks into place. Ensure it is securely latched.
4. To remove, press the release button on the battery pack and slide it out.

Note: This product is sold as 'Body Only' and does not include a battery or charger. Use only genuine Makita 18V LXT Li-Ion batteries and chargers.

4.2 Blade Inspection

Before each use, inspect the cutting blades for any damage, dullness, or debris. Ensure the blades are clean and free from rust. If blades are damaged, do not use the tool and contact a qualified service center.

5. Operating

5.1 Starting and Stopping

1. **To Start:** Ensure a charged battery is installed. Depress the lock-off lever (if present) and then pull the trigger switch. The blades will begin to move.
2. **To Stop:** Release the trigger switch. The electric brake will quickly stop the blades.

5.2 Variable Speed Control

The tool features a 3-speed selector button, allowing you to choose the optimal speed for different cutting tasks. Press the speed selector button to cycle through the available speeds. The trigger also provides variable speed control within the selected range.

5.3 Rotating Rear Handle

The rear handle can be rotated to 5 different positions (0°, 45° left/right, 90° left/right) for comfortable vertical and horizontal trimming. To rotate the handle, press the handle release button and turn the handle to the desired position until it locks into place.

5.4 Cutting Techniques

- **Horizontal Trimming:** Hold the trimmer with both hands, keeping the blades parallel to the hedge. Move the trimmer in a smooth, sweeping motion.
- **Vertical Trimming:** Rotate the rear handle for a comfortable grip. Move the trimmer upwards or downwards along the side of the hedge.
- **Thick Branches:** For branches up to 23.5mm, use a slow, steady motion. If the blade jams, use the reverse button to free it.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your hedge trimmer.

6.1 Blade Cleaning and Lubrication

- After each use, disconnect the battery.
- Remove any sap, leaves, or debris from the blades using a stiff brush or cloth.
- Apply a light coat of machine oil or a specialized blade lubricant to the cutting blades to prevent rust and ensure smooth operation.

6.2 Storage

- Store the hedge trimmer in a dry, secure place, out of reach of children.
- Always use the blade cover when storing or transporting the tool.
- Remove the battery pack before long-term storage.

6.3 Battery Care

- Charge the battery fully before storage and every 6 months if not in use.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your hedge trimmer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Tool does not start	Battery not charged or not inserted correctly.	Ensure battery is fully charged and properly seated.
Reduced cutting performance	Blades are dull or dirty.	Clean and lubricate blades. Consider sharpening or replacing if severely dull.
Blades jam frequently	Cutting material is too thick or blades are dirty.	Do not attempt to cut branches exceeding the maximum diameter. Clean blades. Use reverse function if jammed.
Tool stops during operation	Battery protection circuit activated (overload, overheating).	Allow tool and battery to cool down. Reduce load on the tool.

If the problem persists after attempting these solutions, please contact a Makita authorized service center.

8. Specifications

Feature	Specification
Brand	Makita
Model Number	DUH601Z
Power Source	Battery Powered (18V LXT Li-Ion)
Blade Length	600 mm (23.6 inches)
Blade Type	Double-sided
Max Branch Diameter	23.5 mm
Strokes Per Minute (SPM)	0 - 2,000 / 0 - 3,600 / 0 - 4,400
Item Weight	5.1 Kilograms (11.22 pounds)
Product Dimensions	27.56 x 7.87 x 11.81 inches

Feature	Specification
Material	Plastic (Body), Metal (Blade)
Color	Teal

9. Warranty and Support

Makita power tools are manufactured under strict quality control standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official Makita website for your region.

For technical support, spare parts, or service, please contact your local authorized Makita service center. Always provide the model number (DUH601Z) when seeking assistance.

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