Makita DUH601Z

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

Model: DUH601Z | Brand: Makita

Introduction Safety Instructions Setup Operating Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This user manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DUH601Z 18V Li-Ion LXT 60cm Brushless Hedge Trimmer. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its lifespan. This hedge trimmer is designed for trimming hedges and shrubs in domestic and professional environments.



Figure 1: Makita DUH601Z 18V Li-Ion LXT 60cm Brushless Hedge Trimmer. This image shows the overall design of the hedge trimmer, highlighting its long blade and ergonomic handles.

2. Safety Instructions

Always observe basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal

injury. Keep this manual for future reference.

2.1 General Safety Warnings

- **Read the entire manual:** Understand all instructions and warnings before operation.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, gloves, and sturdy footwear.
- **Keep bystanders away:** Ensure children and other persons are at a safe distance from the work area.
- **Stay alert:** Do not operate the tool when tired, under the influence of drugs, alcohol, or medication.
- **Dress properly:** Avoid loose clothing or jewelry that can get caught in moving parts.

2.2 Electrical Safety

- **Battery compatibility:** Use only Makita 18V Li-Ion LXT batteries and chargers. The use of non-genuine or compatible batteries and chargers will invalidate the Makita guarantee.
- **Battery protection:** The tool is equipped with a battery protection circuit designed to protect the battery from damages due to over discharge, high temperature, or overload current.
- **Avoid wet conditions:** Do not expose the tool to rain or wet conditions.

2.3 Work Area Safety

- **Clear the area:** Remove all obstacles, debris, and foreign objects from the hedge before trimming.
- **Good lighting:** Operate the tool in well-lit conditions.
- **Secure footing:** Ensure stable footing and balance, especially when working on ladders or uneven terrain.

2.4 Hedge Trimmer Specific Safety

- **Blade safety:** Keep hands and feet away from the cutting blade. Do not attempt to remove cut material or hold material to be cut when blades are moving.
- **Inspect before use:** Check the tool for damaged parts, loose screws, or any other condition that may affect its operation.
- **Hold firmly:** Always hold the hedge trimmer with both hands during operation.
- **Electric brake:** The tool is equipped with an electric brake for quick blade stop.

3. Setup

3.1 Unpacking and Inspection

Carefully remove the hedge trimmer and all accessories from the packaging. Inspect the tool for any signs of damage that may have occurred during shipping. If any parts are damaged or missing, do not operate the tool and contact your dealer immediately.

3.2 Battery Installation and Removal

The Makita DUH601Z requires an 18V Li-Ion LXT slide-type battery (not included). Ensure the battery is fully charged before use.

1. **To install:** Align the battery with the battery housing on the tool. Slide the battery into place until it clicks securely.
2. **To remove:** Press the release button on the battery pack and slide the battery out of the tool.



Figure 2: Rear view of the Makita DUH601Z, showing the battery housing. The battery slides into the slot at the rear of the tool.

3.3 Handle Adjustment

The DUH601Z features a 5-position rotating rear handle for improved maneuverability and comfort during various cutting angles.

1. Locate the handle release mechanism (refer to the tool diagram if available).
2. Press the release and rotate the handle to the desired position.
3. Ensure the handle locks securely into place before operation.



Figure 3: Close-up of the Makita DUH601Z handle and control panel. This image illustrates the ergonomic design of the handle and the placement of the power and speed control buttons.

4. Operating the Hedge Trimmer

4.1 Starting and Stopping

To start the hedge trimmer, ensure a charged battery is installed. Press the power button and then depress the trigger switch. To stop, release the trigger switch. The electric brake will quickly stop the blades.

4.2 Speed Control and Reverse Function

The DUH601Z features soft start, variable speed control (3 speeds plus trigger), and constant speed control under load.

- **Variable Speed:** Adjust the cutting speed by varying the pressure on the trigger switch.
- **Speed Settings:** Use the speed selection button to cycle through the three pre-set speed modes for optimal performance based on the material being cut.
- **Reverse Button:** If the blade becomes jammed, press the reverse button to momentarily reverse the blade direction, helping to free it.

4.3 Cutting Technique

The DUH601Z is equipped with new triple-edged cutting teeth, designed to easily catch and firmly hold branches. Curved blades reduce friction resistance, increasing run time.

- **Maximum Branch Diameter:** The tool can cut branches up to 23.5mm in diameter. For thicker branches, make multiple passes or use a different tool.
- **Sweeping Motion:** Use a smooth, sweeping motion to cut through hedges.
- **Top First:** When trimming, it is generally recommended to trim the top of the hedge first, then the sides.



Figure 4: A user demonstrating the use of the Makita DUH601Z hedge trimmer. This image shows the tool in action, emphasizing its maneuverability and the user's protective gear.

5. Maintenance

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

battery before performing any maintenance.

5.1 Blade Care

- **Cleaning:** After each use, clean the blades of sap, resin, and debris using a stiff brush and a suitable cleaning agent.
- **Lubrication:** Apply a light coat of machine oil or blade lubricant to the blades after cleaning to prevent rust and ensure smooth operation.
- **Inspection:** Regularly inspect the blades for damage, dullness, or bent teeth. Damaged blades should be replaced by a qualified service center.

5.2 General Cleaning and Storage

- **Tool Body:** Wipe down the tool body with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Storage:** Store the hedge trimmer in a dry, secure place, out of reach of children. Ensure the blade cover is in place. Remove the battery before long-term storage.

6. Troubleshooting

This section addresses common issues you might encounter with your Makita DUH601Z hedge trimmer. For problems not listed here, contact Makita customer support.

Problem	Possible Cause	Solution
Tool does not start.	Battery not inserted correctly or not charged. Battery protection circuit activated.	Ensure battery is fully charged and securely inserted. Allow battery to cool if overheated.
Reduced cutting performance.	Dull or dirty blades. Cutting material too thick.	Clean and lubricate blades. If dull, have them sharpened or replaced by a professional. Do not force the tool through overly thick branches.
Blades jam frequently.	Excessive material build-up. Cutting material too dense or thick.	Clear debris from blades. Use the reverse button to free jammed material. Reduce the amount of material cut in a single pass.

7. Specifications

Feature	Detail
Brand	Makita
Model Number	DUH601Z
Power Source	Battery Powered (18V Li-Ion LXT)
Blade Length	60 Centimeters
Maximum Branch Diameter	23.5 mm

Feature	Detail
Product Dimensions (L x W x H)	44.13" x 7.56" x 8.86"
Item Weight	4.5 Kilograms (9.9 pounds)
Blade Material	Stainless Steel
Motor Type	Brushless
Handle	5-position rotating rear handle
Features	Soft start, variable speed control, constant speed under load, electric brake, reverse button, triple-edged cutting teeth.

8. Warranty and Support

8.1 Manufacturer Warranty

Makita offers a **1-year manufacturer warranty** on this product. An additional **2 years of warranty** can be obtained by registering your product within 30 days of purchase. Please visit the official Makita website for registration details and terms and conditions.
Important: This guarantee does not apply where non-genuine or recommended parts or accessories are fitted to the tool. The use of non-genuine or compatible batteries and chargers with Makita Tools will invalidate the Makita guarantee for our tools.

8.2 Customer Support

For technical assistance, spare parts, or warranty claims, please contact Makita customer support or your authorized Makita dealer. Refer to the official Makita website for contact information and service center locations.
You can visit the Makita Store on Amazon for more information:**Makita Store**

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