Makita DUH507Z

Makita DUH507Z 18V LXT 50cm Cordless Hedge Trimmer Instruction Manual

Model: DUH507Z

1. Introduction

Thank you for choosing the Makita DUH507Z 18V LXT 50cm Cordless 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 first use and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and extend the lifespan of your hedge trimmer.

2. General Safety Instructions

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

- **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. Keep children and bystanders away while operating a power tool.
- **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 and hearing protection. Wear appropriate clothing; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts. 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. Store idle power tools out of the reach of children.
- **Hedge Trimmer Specific Safety:**
  - Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving.
  - Carry the hedge trimmer by the handle with the cutter blade stopped and taking care not to operate any power switch.
  - Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring.

- Do not use the hedge trimmer in bad weather conditions, especially when there is a risk of lightning.

3. Product Overview

The Makita DUH507Z is a powerful and efficient cordless hedge trimmer designed for precision cutting. It features an 18V Li-ion LXT battery system (battery and charger sold separately) and a 50cm blade.

Key Features:

- **Double Anti-Vibration Structure:** Reduces user fatigue during extended operation.
- **50cm Blade:** Provides a generous cutting width for efficient trimming.
- **Aluminium Guide Bar:** Ensures durability and precise cutting.
- **LED Indicator:** Provides visual feedback on tool status.
- **Electric Brake:** Stops blade rotation quickly for increased safety.
- **Large Main Switch Lever & Easy-to-Press Front Switch Lever:** Designed for comfortable and secure operation.
- **User-Replaceable Blade:** Simplifies maintenance and extends tool life.

Components:



Figure 1: Overview of the Makita DUH507Z Cordless Hedge Trimmer, showing the main body, handle, and 50cm blade.

The image above displays the overall design of the Makita DUH507Z hedge trimmer, highlighting its ergonomic handle and the extended cutting blade. The battery slot is visible at the rear of the handle (battery not included).



Figure 2: The Makita DUH507Z hedge trimmer being used to trim foliage, demonstrating its operational posture and cutting action.

This image illustrates the hedge trimmer in action, showing how it is held and positioned during trimming tasks. It emphasizes the tool's maneuverability and effectiveness in cutting through dense foliage.

4. Setup

4.1 Battery Installation

The Makita DUH507Z requires an 18V Li-ion LXT slide-type battery (not included). Ensure the battery is fully charged before installation.

1. Align the battery pack with the battery housing on the rear of the tool.
2. Slide the battery into the housing until it clicks securely into place.
3. To remove the battery, press the release button on the battery pack and slide it out.

Note: This tool is not compatible with G-Series batteries. Using non-genuine or incompatible batteries will invalidate the Makita guarantee.

4.2 Blade Cover Removal

Before operation, carefully remove the blade cover. Always replace the blade cover when the tool is not in use or during transport.

5. Operating Instructions

5.1 Starting the Trimmer

To start the hedge trimmer, simultaneously press the easy-to-press front switch lever and the large main switch lever. The blades will begin to move. Release either switch to activate the electric brake and stop the blades.

5.2 Trimming Techniques

- **General Trimming:** Hold the trimmer firmly with both hands. Use a sweeping motion to cut through hedges. For best results, cut small amounts at a time.
- **Vertical Trimming:** When trimming the sides of a hedge, move the trimmer in an arc, from bottom to top, ensuring a smooth, even cut.
- **Horizontal Trimming:** For the top of a hedge, hold the trimmer level and move it steadily across the surface.
- **Maximum Branch Diameter:** The DUH507Z is capable of cutting branches up to 15mm in diameter. Do not attempt to cut thicker branches, as this can damage the tool or cause injury.

The LED indicator provides feedback on battery status and potential overload conditions. Refer to the full manual for detailed LED indicator meanings.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your hedge trimmer. Always remove the battery pack before performing any maintenance or cleaning.

6.1 Blade Care

- **Cleaning:** After each use, clean the blades of sap and debris using a stiff brush and a suitable cleaning agent. Lubricate the blades with a light machine oil to prevent rust and ensure smooth operation.
- **Sharpening:** Dull blades can reduce cutting efficiency and strain the motor. Sharpen the blades regularly or have them professionally sharpened.
- **Replacement:** The blade is easily replaceable by the user. Refer to the detailed instructions in the complete product manual for blade replacement procedures. Ensure to use genuine Makita replacement blades.

6.2 General Cleaning and Storage

- Wipe down the tool's exterior with a damp cloth. Do not use strong detergents or solvents.
- Store the hedge trimmer in a dry, secure place, out of reach of children. Always attach the blade cover before storage.
- Remove the battery pack from the tool when storing for extended periods.

7. Troubleshooting

Before assuming a malfunction, check the following common issues and solutions.

Problem	Possible Cause	Solution
Trimmer does not start	Battery not inserted correctly or discharged. Safety switches not engaged.	Ensure battery is fully charged and properly inserted. Press both front and main switch levers simultaneously.

Problem	Possible Cause	Solution
Reduced cutting performance	Dull or dirty blades. Attempting to cut branches too thick.	Clean and lubricate blades. Sharpen or replace blades if necessary. Do not exceed 15mm branch diameter.
Excessive vibration	Damaged or unbalanced blade. Loose components.	Inspect blade for damage; replace if necessary. Check all fasteners for tightness.
LED indicator flashing/error	Overload, overheating, or battery issue.	Refer to the full manual for specific LED error codes. Allow tool to cool down. Check battery charge.

If the problem persists after attempting these solutions, contact Makita authorized service personnel.

8. Specifications

Model:	DUH507Z
Brand:	Makita
Power Source:	18V Li-ion LXT Battery (not included)
Blade Length:	50 cm (500 mm)
Cutting Width:	50 cm
Maximum Branch Diameter:	15 mm
Strokes Per Minute (Speed):	Up to 2,700 RPM
Maximum Output:	250 Watts
Item Weight:	3 kg (6.6 lbs)
Product Dimensions (L x W x H):	34.33" x 8.23" x 7.4"
Blade Material:	Aluminum
UPC:	088381777131

9. Warranty and Support

The Makita DUH507Z comes with a **1-year manufacturer warranty**. This warranty can be extended for an additional **2 years (total 3 years)** if the product is registered online within 30 days of purchase. Please visit the official Makita website for warranty registration details.

Important: This guarantee does not apply where non-genuine or non-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.

For further support, service, or to find authorized service centers, please visit the official Makita website or contact their customer service. You can find more information at the Makita Store.

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