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Makita DUH604SZ

Makita DUH604SZ 18V LXT 60cm Brushless Hedge Trimmer User Manual

Model: DUH604SZ

1. Introduction

Thank you for choosing the Makita DUH604SZ 18V Li-ion LXT 60cm Brushless Hedge Trimmer. This cordless hedge trimmer is designed for efficient and precise trimming of hedges and shrubs. It features a powerful brushless motor, variable speed control, and a reverse rotation system for enhanced performance and user convenience. Please read this manual thoroughly before operation to ensure safe and effective use of your tool.

2. Safety Instructions

Always observe basic safety precautions to reduce the risk of fire, electric shock, and personal injury. Keep this manual for future reference.

- **Personal Protective Equipment:** Always wear safety glasses, hearing protection, gloves, and sturdy footwear when operating the hedge trimmer.
- **Work Area:** Keep the work area clean and well-lit. Do not operate the tool in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Children and Bystanders:** Keep children and bystanders at a safe distance (at least 15 meters or 50 feet) from the work area.
- **Tool Condition:** Inspect the hedge trimmer for damaged parts before each use. Do not operate if the blades are bent, cracked, or dull. Ensure all guards and handles are securely attached.
- **Battery Safety:** Use only Makita 18V Li-ion LXT slide-type batteries. Do not use G-Series batteries. Ensure the battery is fully charged and properly inserted before operation. Remove the battery when not in use, before cleaning, or when performing maintenance.
- **Proper Grip:** Always hold the hedge trimmer firmly with both hands during operation. Ensure a secure footing and balance.
- **Avoid Obstacles:** Before trimming, check the hedge for foreign objects such as wires, fences, or hidden branches that could damage the blades or cause kickback.
- **Weather Conditions:** Do not use the hedge trimmer in wet conditions or rain.
- **Automatic Off Function:** The tool has an automatic off function if not used within 60 seconds after being switched on. This is a safety feature; do not attempt to bypass it.
- **Electric Brake:** The electric brake provides increased operator safety by stopping the blades quickly when the trigger is

released.

3. Setup

3.1 Battery Installation

1. Ensure the hedge trimmer is switched off.
2. Align the battery pack with the battery housing on the tool.
3. Slide the battery 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.

3.2 Blade Guard Removal

Before operation, carefully remove the blade cover. Store it in a safe place to protect the blades when the tool is not in use.

4. Operating Instructions

4.1 Starting and Stopping

- The DUH604SZ features a two-handed start-up system for safety. Both the front handle switch and the rear handle trigger must be engaged simultaneously to start the tool.
- To start: Hold the front handle and the rear handle firmly. Depress the front handle switch and then pull the rear handle trigger.
- To stop: Release either the front handle switch or the rear handle trigger. The electric brake will quickly stop the blades.

4.2 Variable Speed Control

The tool offers variable speed control with three settings (high, medium, and low) plus a trigger. Adjust the speed according to the density and type of foliage being cut. The constant speed control automatically applies additional power to maintain consistent speed under load.

4.3 Cutting Techniques

Hold the hedge trimmer with both hands, ensuring a balanced stance. Move the trimmer in a smooth, sweeping motion along the hedge. For best results, cut the top of the hedge first, then the sides. The sharp triple-edged cutting teeth are designed to catch and hold branches for a clean cut.



Figure 1: A user actively trimming a green hedge with the Makita DUH604SZ cordless hedge trimmer. The tool's design, including the blade and handle, is visible during operation, demonstrating proper handling and use.

5. Maintenance

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

- **Cleaning:** After each use, remove the battery and clean the blades and housing. Use a soft brush to remove debris from the blades. Wipe down the tool with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Blade Care:** Keep the blades sharp and free of rust. Apply a light coat of machine oil to the blades after cleaning to prevent corrosion. If blades become dull or damaged, have them sharpened or replaced by a qualified service center.
- **Storage:** Store the hedge trimmer with the blade cover in place, in a dry, secure location out of reach of children. Remove the battery before long-term storage.

6. Troubleshooting

- **Blade Jamming:** If the blade becomes jammed with thick twigs or branches, the tool features a reverse rotation system. Release the trigger, then re-engage the two-handed start-up while activating the reverse function (refer to specific tool controls for reverse activation, typically a button near the handle). This will momentarily reverse the blade direction to free it.
- **Tool Not Starting:** Ensure the battery is fully charged and properly inserted. Confirm both the front handle switch and the rear handle trigger are engaged simultaneously. Check for any debris obstructing the blades.
- **Reduced Performance:** Check the battery charge level. Ensure blades are clean and sharp. Overheating can also reduce performance; allow the tool to cool down if it has been used continuously for an extended period.

7. Specifications

Model Number	DUH604SZ
Power Source	Battery Powered (18V Li-ion LXT)
Blade Length	60 cm (23.6 inches)
Cutting Width	60 cm (23.6 inches)
Maximum Branch Diameter	23.5 mm (0.9 inches)
Speed	Up to 4,400 strokes per minute (SPM)
Motor Type	Brushless
Item Weight	1 Kilogram (2.2 pounds)
Blade Material	Stainless Steel or Alloy Steel
Product Dimensions	0.39"L x 0.39"W x 0.39"H (Note: These dimensions appear to be placeholder values and may not reflect the actual tool size.)

8. Warranty and Support

The Makita DUH604SZ comes with a **1-year manufacturer warranty**. An additional **2 years of warranty** can be obtained by registering the product within 30 days of purchase. 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 technical support, service, or warranty claims, please contact your authorized Makita dealer or visit the official Makita website for further assistance.

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