Makita DUR192LZ

Makita DUR192LZ 18V Li-ion LXT Brushless Line Trimmer Instruction Manual

Brand: Makita | **Model:** DUR192LZ

Important Safety Information

Always read and understand this instruction manual before operating the Makita DUR192LZ Line Trimmer. Failure to follow all instructions may result in electric shock, fire, and/or serious injury.

- Wear eye and ear protection during operation.
- Keep bystanders, especially children and pets, away from the operating area.
- Be aware of flying debris during operation.
- Ensure the work area is clear of obstacles and hazards.
- Do not operate the tool in wet conditions or in the presence of flammable liquids or gases.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.

Product Overview

The Makita DUR192LZ is an 18V Li-ion LXT Brushless Line Trimmer designed for efficient grass and weed trimming. It features a 300mm cutting diameter and is powered by an 18V Li-ion LXT slide-type battery (not included). The brushless motor provides powerful performance with soft start, electronic 2-speed selection, and constant speed control.

Key features include:

- Loop handle for comfortable operation.
- 2-part shaft design for compact storage and transport.
- Electronic current limiter for overload protection.
- Electric brake for increased operator safety.
- On-board storage for hex wrench for quick blade changes.
- Battery protection circuit against overheating, over-discharge, and overload current.
- Compatible only with LXT 18V Li-ion batteries (not G-Series batteries).

- Designed for use with nylon cutting head only.



Figure 1: Full view of the Makita DUR192LZ Line Trimmer.

Setup and Assembly

1. Assembling the Shaft

The DUR192LZ features a 2-part shaft design for easy transport and storage. To assemble, align the two shaft sections and push them together until they click securely into place. Ensure the connection is firm before use.

2. Attaching the Loop Handle

Position the loop handle on the upper shaft to a comfortable operating height. Use the provided fasteners and hex wrench (stored on-board) to secure the handle firmly. Adjust as needed for optimal balance and control.



Figure 2: Close-up view of the adjustable loop handle.

3. Installing the Battery

Ensure the tool is switched off before installing or removing the battery. Slide an 18V Li-ion LXT battery pack (sold separately) into the battery slot on the tool until it locks into place. The tool is not compatible with G-Series batteries.

4. Checking the Cutting Head

Verify that the nylon cutting head is properly installed and free from damage. This tool is designed for use with nylon cutting heads only.

Operating Instructions

1. Powering On and Off

To start the trimmer, press the power button and then pull the trigger. The tool features a soft start for smooth activation. To stop, release the trigger. The electric brake will quickly stop the cutting head for increased safety.



Figure 3: Control panel with power button and trigger.

2. Speed Selection

The trimmer offers electronic 2-speed selection to match the application. Use the speed selection button on the control panel to switch between 'Hi' (up to 6,000 rpm) and 'Lo' (up to 4,500 rpm) settings. The constant speed control automatically applies additional power to maintain speed under load.

3. Trimming Technique

Hold the trimmer firmly with both hands, maintaining a balanced stance. Use a sweeping motion to cut grass and weeds. Avoid striking hard objects like rocks, fences, or concrete, as this can damage the cutting line or the tool.



Figure 4: User operating the Makita DUR192LZ Line Trimmer in a garden setting.

Maintenance

1. Replacing the Cutting Line

When the cutting line becomes short or worn, it needs to be replaced. Refer to the cutting head's specific instructions for line replacement. The on-board hex wrench can be used for any necessary adjustments or disassembly of the cutting head.

2. Battery Care and Protection

The DUR192LZ features a battery protection circuit that safeguards the battery from damage due to overheating, over-discharge, and overload current. If the tool stops during operation, it may be due to one of these protection mechanisms. Allow the battery to cool down or recharge it if it's depleted. Always use genuine Makita LXT batteries and chargers.

3. Cleaning and Storage

After each use, clean the tool body and cutting head of any grass clippings or debris. Use a dry cloth; do not use water or chemical cleaners. Store the trimmer in a dry, secure location, out of reach of children.

The 2-part shaft allows for compact storage.

Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly or discharged.	Ensure battery is fully inserted. Recharge battery if necessary.
Tool stops during operation.	Battery protection circuit activated (overload, overheating, over-discharge).	Reduce load on the tool. Allow battery to cool down. Recharge battery if depleted.
Reduced cutting performance.	Worn or incorrect cutting line.	Replace cutting line. Ensure it is a nylon cutting head.
Excessive vibration.	Damaged cutting head or loose shaft connection.	Inspect cutting head for damage and replace if needed. Ensure shaft is securely assembled.

Specifications

Feature	Detail
Model Number	DUR192LZ
Power Source	18V Li-ion LXT Battery (not included)
Motor Type	Brushless
Cutting Diameter	300mm
Speed (Hi)	Up to 6,000 rpm
Speed (Lo)	Up to 4,500 rpm
Shaft Design	2-part for compact storage
Spindle Thread	M10 x 1.25 L
Weight	3 Kilograms (6.6 pounds)
Product Dimensions	1623"L x 186"W
UPC	088381730327

Warranty and Support

Manufacturer's Warranty

The Makita DUR192LZ comes with a 1-year manufacturer warranty. This warranty can be extended by a further 2 years (total 3 years) when the product is registered within 30 days of purchase. Please note that this guarantee does not apply if 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 the tools.

Customer Support

For technical assistance, warranty claims, or to locate authorized service centers, please visit the official Makita website or contact Makita customer service. Always provide your model number (DUR192LZ) and purchase details when seeking support.

Makita Official Website: www.makitatools.com

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