Makita DLS713NZ

Makita DLS713NZ 18V Li-Ion LXT 190mm Slide Compound Mitre Saw User Manual

Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Makita DLS713NZ 18V Li-Ion LXT 190mm Slide Compound Mitre Saw. Please read this manual thoroughly before using the tool to ensure proper handling and to maximize its performance and lifespan.

The Makita DLS713NZ is a cordless mitre saw designed for precision cutting tasks. It is powered by an 18V Li-ion LXT slide-type battery (not included) and delivers up to 2,200 RPM. Key features include a 4-steel rail sliding system, versatile mitre and bevel adjustments, and a large aluminum base for stable support of workpieces.

General Safety Instructions

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

Work Area Safety

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Power tool plugs must match the outlet. Never modify the plug in any way.
- Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

Personal Safety

- Always wear eye protection. Use safety glasses, goggles, or a face shield.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair and clothing away from moving parts.
- Use appropriate personal protective equipment (PPE) such as dust masks, non-skid safety shoes, hard hats, or hearing protection.

Product Overview

The Makita DLS713NZ is a robust slide compound mitre saw designed for precision and durability. Familiarize yourself with its main components before operation.



Figure 1: Overall view of the Makita DLS713NZ Slide Compound Mitre Saw. This image shows the saw's main body, blade guard, sliding rails, base, and dust bag attachment.

Key Components:

- **Blade Guard:** Protects the user from the rotating blade.
- **Sliding Rails:** Allow the saw head to move forward and backward for wider cuts.
- **Mitre Scale and Lock:** For setting and securing the horizontal cutting angle.
- **Bevel Scale and Lock:** For setting and securing the vertical cutting angle.
- **Workpiece Supports:** Extendable supports on both sides of the base for longer materials.

- **Dust Bag:** Collects sawdust during operation.
- **Electric Brake:** Quickly stops the blade rotation after the trigger is released.

Setup

Unpacking and Assembly

1. Carefully remove the saw and all accessories from the packaging.
2. Inspect the tool for any damage that may have occurred during shipping. Do not operate a damaged tool.
3. Ensure all included components are present: 1 x Makita DLS713NZ, 1 x TCT saw blade, 1 x Dust Bag.

Battery Installation

This tool requires an 18V Li-ion LXT slide-type battery (not included). Ensure the battery is fully charged before use.

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



Figure 2: The Makita DLS713NZ mitre saw with an 18V LXT battery installed, ready for operation. This image highlights the battery's position on the tool.

Blade Installation

Always disconnect the battery before performing any assembly or adjustment tasks.

1. Lift the lower blade guard.
2. Loosen the hex bolt holding the blade clamp.
3. Place the TCT saw blade onto the spindle, ensuring the teeth are pointing in the correct direction (usually indicated by an arrow on the blade and saw).
4. Secure the blade clamp and tighten the hex bolt firmly.

Operating Instructions

Basic Operation

1. Ensure the workpiece is securely clamped to the saw base.
2. Hold the handle firmly and depress the trigger to start the saw.
3. Allow the blade to reach full speed before beginning the cut.
4. Slowly lower the blade through the workpiece. For slide cuts, push the saw head forward through the material.
5. Once the cut is complete, release the trigger and allow the blade to stop completely before raising the saw head.



Figure 3: The Makita DLS713NZ in action, demonstrating a precise cut on a wooden workpiece. This image shows the saw's sliding mechanism in use.

Adjusting Mitre Angles

The saw can be adjusted for mitre cuts from 0 to 47 degrees left and 0 to 57 degrees right, with positive stops at 9 common settings.

1. Loosen the mitre lock handle.
2. Rotate the turntable to the desired angle on the mitre scale.
3. Tighten the mitre lock handle to secure the position.

Adjusting Bevel Angles

Bevel cuts can be made from 0 to 45 degrees left and 0 to 5 degrees right.

1. Loosen the bevel lock knob.
2. Tilt the saw head to the desired angle on the bevel scale.
3. Tighten the bevel lock knob to secure the position.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your mitre saw. Always disconnect the battery before performing any maintenance.

Cleaning

- After each use, clean the saw thoroughly to remove sawdust and debris. Use a brush or compressed air.
- Pay special attention to the blade guard, sliding rails, and motor vents to prevent buildup.
- Empty the dust bag regularly.

Blade Care

- Inspect the saw blade for sharpness and damage before each use. A dull or damaged blade can cause kickback and poor cut quality.
- Replace worn or damaged blades immediately with a blade of the correct size (190mm) and type.

Lubrication

- Periodically apply a light coat of machine oil to the sliding rails to ensure smooth operation.

Troubleshooting

Problem	Possible Cause	Solution
Saw does not start	Battery not installed correctly or discharged.	Ensure battery is fully inserted and charged.
Blade not cutting smoothly / burning wood	Dull or damaged blade. Incorrect blade for material.	Replace blade. Use appropriate blade for the workpiece.
Excessive vibration	Loose blade. Damaged blade. Unstable workpiece.	Check blade tightness. Replace damaged blade. Secure workpiece firmly.
Sawdust buildup	Dust bag full or clogged.	Empty and clean dust bag. Clear any blockages in the dust port.

Specifications

Feature	Detail
Model Number	DLS713NZ
Power Source	Battery Powered (18V Li-ion LXT)
No Load Speed	1900 RPM
Blade Diameter	190 mm
Mitre Range	0° - 47° Left, 0° - 57° Right
Bevel Range	0° - 45° Left, 0° - 5° Right
Item Weight	14.3 Kilograms (31.5 pounds)
Product Dimensions	10.15"L x 6.67"W x 7.04"H
Included Components	1 x Makita DLS713NZ, 1 x TCT saw blade, Bag
Surface Recommendation	Wood
Special Feature	Electric Brake, Double Sliding Mechanism

Warranty and Support

Warranty Information

Your Makita DLS713NZ comes with a**1-year manufacturer warranty**. This warranty can be extended by a further 2 years (total 3 years) when registered within 30 days of purchase. Please note that 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.

Customer Support

For technical assistance, service, or warranty claims, please contact Makita customer support. You can find more information and contact details on the official Makita website or by visiting the Makita Store on Amazon.