

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [Makita](#) /
- › [Makita XRU02Z 18V LXT Lithium-Ion Cordless String Trimmer User Manual](#)

Makita XRU02Z

Makita XRU02Z 18V LXT Lithium-Ion Cordless String Trimmer User Manual

Model: XRU02Z

Brand: Makita

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Makita XRU02Z 18V LXT Lithium-Ion Cordless String Trimmer. The Makita XRU02Z is designed for trimming and precise edging, featuring an 18V LXT battery-powered motor that delivers 7,800 RPM for faster cutting. Its ergonomic design ensures balance and a lightweight feel, weighing only 6.4 pounds with a battery (sold separately). The 180-degree rotating head allows for easy conversion between trimming and edging, and the telescoping shaft can be adjusted for optimal user comfort and cutting position. This tool offers zero emissions and reduced maintenance compared to gas-powered alternatives.



Figure 1: The Makita XRU02Z 18V LXT Lithium-Ion Cordless String Trimmer, showcasing its teal and black design with an adjustable handle.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Read and understand all instructions before use. Failure to follow these warnings may result in serious injury.

- **Personal Protective Equipment (PPE):** Always wear eye protection (safety glasses or goggles), hearing protection, heavy-duty long pants, long sleeves, and sturdy footwear.
- **Bystander Safety:** Keep all bystanders, children, and pets at least 50 feet (15 meters) away from the

operating area.

- **Battery Safety:** Use only Makita 18V LXT Lithium-Ion batteries and chargers. Do not expose batteries to water or extreme temperatures. Always ensure the battery is fully charged before use to maximize performance and runtime.
- **Secure Grip:** Always hold the trimmer firmly with both hands during operation.
- **Lock-Off Lever:** The built-in lock-off lever is designed for user convenience and safety. Ensure it is engaged when not actively trimming to prevent accidental startup.
- **Clear Work Area:** Before starting, inspect the work area for debris, rocks, or other objects that could be thrown by the trimmer line.

3. SETUP

3.1. Assembly

The Makita XRU02Z is designed for straightforward assembly. Attach the adjustable loop handle to the shaft and secure it according to the markings. Ensure all connections are tight before proceeding.

3.2. Battery Installation

Insert a fully charged Makita 18V LXT Lithium-Ion battery (sold separately) into the battery slot until it clicks securely into place. The tool is ready for use once the battery is loaded.

3.3. Adjusting Shaft Length and Handle Position

The telescoping shaft allows for length adjustment from 48-1/2 inches to 56-1/2 inches. Loosen the shaft locking mechanism, extend or retract the shaft to your desired length for an optimum cutting position, and then securely tighten the mechanism. Adjust the loop handle to suit your height and working posture for comfortable operation.

4. OPERATING INSTRUCTIONS

4.1. Starting and Stopping

To start the trimmer, ensure a charged battery is installed and depress the lock-off lever, then pull the trigger. To stop, release the trigger. The tool will instantly start and stop.

4.2. Trimming

Hold the trimmer with the cutting head parallel to the ground. Use a sweeping motion to cut grass and weeds. Maintain a safe distance from obstacles and hard surfaces.

4.3. Edging

The 180-degree rotating head allows for easy conversion to an edger. Rotate the head until the cutting line is perpendicular to the ground. Guide the trimmer along the edge of sidewalks, driveways, or flowerbeds for a clean finish.



Figure 2: The Makita XRU02Z string trimmer being used in edging mode along a concrete path, demonstrating its 180-degree rotating head feature.

4.4. Line Feeding

This trimmer features an easy-loading bump and feed trimmer head. To advance the line, lightly tap the trimmer head on a firm surface while the motor is running. The improved reinforced metal bump-feed button ensures durability.

4.5. Battery Warning System

The battery capacity warning system turns on an indicator light and is engineered to automatically stop the motor to notify the user when it is time to recharge the battery. This prevents over-discharge and prolongs battery life.

5. MAINTENANCE

The Makita XRU02Z requires minimal maintenance due to its cordless, zero-emission design. Regular cleaning and proper line management will ensure optimal performance.

- **Cleaning:** After each use, disconnect the battery and clean the trimmer head and guard to remove grass clippings and debris. Use a dry cloth or soft brush. Do not use water or harsh chemicals.
- **Trimmer Line Replacement:** The spool assembly is easy to attach and rewind. Refer to the detailed instructions in the official user guide for specific steps on replacing the trimmer line.

- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Charge batteries fully before storage and periodically during long periods of inactivity to maintain battery health.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Trimmer does not start.	Battery not inserted correctly or discharged. Lock-off lever not engaged.	Ensure battery is fully inserted. Charge battery if needed. Depress lock-off lever before pulling trigger.
Trimmer line does not feed.	Line tangled or empty spool.	Disconnect battery, clear any tangles. Replace trimmer line spool if empty.
Reduced cutting performance.	Trimmer line too short or worn. Heavy grass/weeds.	Advance trimmer line. Use appropriate cutting technique for dense vegetation.
Battery warning light is on.	Battery is low on charge.	Recharge the battery.

7. SPECIFICATIONS

Brand: Makita

Model: XRU02Z

Power Source: 18V LXT Lithium-Ion Battery (Tool Only, Battery Not Included)

Motor Speed: 7,800 RPM

Cutting Width: 10-1/4 inches

Weight (with battery): Approximately 6.4 pounds

Product Dimensions: 19.13"L x 5.16"W (dimensions for the head/base, overall length is adjustable)

Shaft Adjustment: 48-1/2" to 56-1/2"

Head Rotation: 180 degrees (for trimming to edging conversion)

8. WARRANTY AND SUPPORT

For detailed warranty information, product registration, and customer support, please visit the official Makita website or contact their customer service. Keep your purchase receipt for warranty claims.

An official User Guide (PDF) is available for more in-depth information: [Makita XRU02Z User Guide](#)