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DEWALT DCST970X1

DEWALT FLEXVOLT 60V MAX* String Trimmer

Model: DCST970X1

Product Overview

The DEWALT 60V MAX* String Trimmer is engineered for efficient clearing of tough overgrowth and designed to withstand rigorous daily use. It incorporates a high-efficiency brushless motor that optimizes both runtime and motor longevity. The trimmer's lightweight and ergonomic design enhances user control and reduces physical strain during operation. This kit includes a FLEXVOLT 20V/60V MAX* battery, compatible with 60V MAX* tools and backward compatible with 20V MAX* tools.



Figure 1: DEWALT FLEXVOLT 60V MAX* String Trimmer (DCST970X1) - Angled View

What's Included

- 1 x DCST970 60V String Trimmer
- 1 x DEWALT 60V Max* 3.0Ah Battery
- 1 x DEWALT 60V Max* Charger
- 1 x Auxiliary Handle
- 1 x 0.080 inch Pre-wound Dual Line Spool (installed in bump feed head)

Setup

1. **Battery Installation:** Ensure the battery is fully charged using the provided DEWALT 60V Max* Charger. Align the battery with the battery slot on the trimmer and slide it in until it clicks securely into place.
2. **Auxiliary Handle Attachment:** Loosen the clamp on the auxiliary handle. Position the handle on the trimmer shaft to a comfortable operating position, then tighten the clamp securely.
3. **Trimmer Line:** The bump feed head comes pre-wound with 0.080-inch dual line. The trimmer also accepts 0.095-inch line. Refer to the maintenance section for instructions on replacing the trimmer line.



Figure 2: Side view of the DEWALT String Trimmer, showing the shaft and handle.

Operating Instructions

The DEWALT String Trimmer features a variable speed trigger with Hi/Lo speed control, allowing you to adjust power for different tasks and extend runtime.

- **Starting the Trimmer:** Press the safety lock-off button (if present) and then squeeze the variable speed trigger to activate the trimmer.
- **Speed Control:** Use the Hi/Lo speed control switch to select the desired power level. The 'Hi' setting provides maximum power for tough overgrowth, while 'Lo' conserves battery life for lighter trimming.
- **Trimming Technique:** Hold the trimmer firmly with both hands. Use a sweeping motion to cut grass and weeds. Maintain a safe distance from obstacles and other individuals.
- **Edging Functionality:** For edging along concrete, fences, or around trees, the trimmer head can be rotated or flipped to achieve a precise edge. This allows for versatile use beyond just trimming.
- **Line Advancement:** The bump feed head allows for easy line advancement. Lightly tap the trimmer head on the ground while the motor is running to feed out more line.



Figure 3: Angled view of the trimmer, highlighting the ergonomic design for comfortable operation.

Maintenance

The DEWALT FLEXVOLT String Trimmer is designed for low maintenance, eliminating many common tasks associated with gas-powered equipment like carburetor adjustments, spark plug changes, and air filter cleaning.

- **Trimmer Line Replacement:** When the trimmer line runs short, replace it with 0.080-inch or 0.095-inch diameter line. Follow the instructions provided with your replacement line spool for proper installation into the bump feed head.
- **Cleaning:** After each use, clean the trimmer head and shaft to remove grass clippings, dirt, and debris. Use a damp cloth; do not use harsh chemicals or abrasive cleaners. Ensure the battery contacts are clean and dry.
- **Storage:** Store the trimmer in a dry, secure location away from children and direct sunlight. Remove the battery before storing for extended periods.



Figure 4: Top-down view of the trimmer, showing the cutting head and line.

Troubleshooting

If you encounter issues with your DEWALT String Trimmer, consider the following common solutions:

- **Trimmer Not Starting:** Ensure the battery is fully charged and properly inserted. Check that the safety lock-off button is fully depressed before squeezing the trigger.
- **Insufficient Cutting Power:** Verify that the trimmer line is not too short or worn. Advance new line if necessary. Ensure the trimmer is set to the 'Hi' speed setting for demanding tasks.

- **Line Not Advancing:** Check for tangled or jammed line in the bump head. Ensure the line is properly wound on the spool.
- **Overheating:** If the motor feels excessively hot, stop operation immediately and allow the tool to cool down. Ensure air vents are clear of debris.

For persistent issues, please contact DEWALT customer support or refer to the official user manual available online.

Specifications

Feature	Specification
Brand	DEWALT
Model Number	DCST970X1
Power Source	Battery Powered
Battery Type	1 Lithium Ion (included)
Voltage	60V MAX*
Cutting Width	15 Inches
Line Diameter	0.080-inch (accepts 0.095-inch)
Item Weight	12 Pounds
Product Dimensions	39.75"L x 10.44"W
Assembly Required	No

*Maximum initial battery voltage (measured without a workload) is 60 volts. Nominal voltage is 54.

Safety Information

Always prioritize safety when operating power tools. Adhere to the following guidelines:

- **Eye Protection:** Always wear appropriate eye protection, such as safety glasses or goggles, to shield against flying debris.
- **Hand Protection:** Wear sturdy gloves to protect your hands during operation and maintenance.
- **Awareness of Debris:** Be aware of and avoid flying debris. Keep bystanders, children, and pets at a safe distance from the work area.
- **Body Positioning:** Keep hands, feet, and other body parts away from the cutting path and moving parts of the trimmer.
- **Clear Work Area:** Ensure your work area is clear of obstacles that could cause you to trip or lose balance.

Warranty and Support

DEWALT products are backed by a comprehensive warranty. For specific warranty details, registration, or to locate authorized service centers, please visit the official DEWALT website or refer to the warranty card included with your product.

An official User Manual (PDF) is also available for download:Download User Manual

For further assistance, contact DEWALT customer support.

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