

SUNTEK 40V 15-Inch Brushless String Trimmer Edger

SUNTEK 40V 15-Inch Brushless String Trimmer Edger User Manual

MODEL: 40V 15-INCH BRUSHLESS STRING TRIMMER EDGER

Brand: SUNTEK

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your SUNTEK 40V 15-Inch Brushless String Trimmer Edger. Please read this manual thoroughly before first use and retain it for future reference.

General Safety Warnings

- Always wear safety glasses and gloves when operating the string trimmer.
- Ensure bystanders, children, and pets are kept at a safe distance (at least 50 feet/15 meters) from the operating area.
- Do not operate the trimmer if the guard is damaged or not properly installed.
- To prevent accidental starting, the dual lock-off switch requires simultaneous engagement of both the safety lock and power button to initiate machine operation.
- Inspect the work area for debris, rocks, or other objects that could be thrown by the trimmer line.
- Always hold the trimmer firmly with both hands during operation.

2. PRODUCT OVERVIEW

The SUNTEK 40V 15-Inch Brushless String Trimmer Edger is designed for efficient lawn and garden maintenance. It features a powerful brushless motor, an integrated screen for real-time information, and app connectivity for battery management.



PRODUCT FEATURE



DESIGN FOR PERFORMANCE AND EASY USE

Figure 2.1: Key components of the SUNTEK 40V 15-Inch Brushless String Trimmer, including the SmartView LCD Display, 2-Speed Working Modes, Ergonomic Handle, EASYLOCK mechanism, DIGI-Brushless Motor, Lightweight Aluminum Tube, Low Vibration Trimmer Head with Rapid Spool Reload, and 21700 4.0Ah Battery.

3. SETUP AND ASSEMBLY

3.1 Charging the Battery

Before initial use, fully charge the 4.0Ah battery using the included fast charger. Connect the charger to a power outlet and insert the battery. The charger indicator will show charging status. Refer to the charger's specific instructions for detailed charging procedures.

3.2 Attaching the Guard

Securely attach the grass trimmer guard to the trimmer head. This guard is crucial for safety, protecting against flying debris during operation. Ensure it is firmly in place before use.

3.3 Adjusting the Front Handle

The front handle is tool-free adjustable. Loosen the adjustment knob, position the handle to a comfortable angle that suits your height and working posture, then tighten the knob securely. This ergonomic design helps alleviate arm pressure during extended use.



Figure 3.1: The SUNTEK string trimmer fully assembled with the battery and charger, ready for use.

4. OPERATING INSTRUCTIONS

4.1 Starting and Stopping the Trimmer

- To start: Simultaneously press the safety lock button and the power trigger.
- To stop: Release the power trigger.

4.2 Selecting Speed Modes

The trimmer offers two speed modes: Eco and Power. Use the mode selection button to switch between them:

- **Eco Mode:** Provides 5500 RPM for lighter tasks and extended battery life.
- **Power Mode:** Delivers 6800 RPM for more demanding cutting tasks.



GREATER CUTTING PERFORMANCE

5500 RPM (Eco Mode)

6800 RPM (Power Mode)

Powerful DIGI-Brushless Motor

Figure 4.1: Operating the trimmer in a garden, demonstrating the two speed modes for varying cutting performance.

4.3 Integrated SmartView Screen

The integrated screen provides real-time operational data:

- **Battery Level:** Displays current battery charge.
- **Working Mode:** Indicates Eco or Power mode.
- **Error Indication:** Alerts for operational issues.
- **Overheating Protection:** Warns if the motor is overheating.
- **Low-Temperature Protection:** Indicates if the battery is too cold for optimal operation.
- **Bluetooth Connection:** Shows status of app connectivity.



Figure 4.2: The SmartView LCD display providing essential operational information.

4.4 Bump Feed Line Release

To advance the trimmer line, gently tap the trimmer head on the ground while the trimmer is running. This bump feed mechanism will release additional line as needed.

ADVANCED TRIMMER HEAD LOW VIBRATION AND NOISE

RAPID SPOOL RELOAD



Figure 4.3: The trimmer head with dual 0.08" twist lines and the bump feed mechanism for line advancement.

4.5 App Connectivity (IoT)

Download the SUNTEK APP to monitor and manage your battery remotely. This includes checking battery status, health, and scheduling charges, enhancing convenience and ensuring your tool is ready when needed.



Figure 4.4: The SUNTEK app interface for remote battery management and monitoring.

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Video 4.1: An official product video from SuntekDirect demonstrating the features and operation of the SUNTEK String Trimmer.

5. MAINTENANCE

5.1 Replacing Trimmer Line

The quick-change spool facilitates easy replacement of the line. Follow the instructions provided with replacement spools for proper loading. No professional tools are required for this process.

5.2 Cleaning the Trimmer

After each use, disconnect the battery and clean the trimmer. Remove any grass clippings, dirt, or debris from the trimmer head, guard, and motor housing. Use a damp cloth; do not use harsh chemicals or abrasive cleaners.

5.3 Battery Care and Storage

Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage,

ensure the battery is partially charged (around 50%). Avoid fully discharging the battery before storage. Use the SUNTEK APP for advanced battery management features.

6. TROUBLESHOOTING

If you encounter issues with your SUNTEK string trimmer, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Trimmer does not start	Battery not inserted correctly; Battery discharged; Safety lock not engaged; Power trigger not pressed simultaneously.	Ensure battery is fully seated; Charge battery; Press safety lock and power trigger together.
Trimmer line does not advance	Line tangled or empty spool; Insufficient bump force.	Replace trimmer line spool; Bump trimmer head more firmly on the ground while running.
Integrated screen shows overheating alert	Prolonged heavy use; Blocked ventilation.	Allow trimmer to cool down; Clear any debris from ventilation openings.
Reduced cutting performance	Worn or short trimmer line; Operating in Eco mode for heavy growth.	Advance or replace trimmer line; Switch to Power mode for thicker vegetation.

If the problem persists after attempting these solutions, please contact SUNTEK customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	SUNTEK
Power Source	Battery Powered (40V)
Motor Type	DIGI-Brushless
Cutting Width	15 inches
Speed Levels	2 (Eco: 5500 RPM, Power: 6800 RPM)
Battery Included	1 x 4.0Ah Lithium Ion
Charger Included	Fast Charger
Product Dimensions (L x W)	38.8" x 15"
Trimmer Line Diameter	0.08" (Dual Twist Lines)

Feature	Specification
Features	Integrated SmartView Screen, APP Connectivity, Adjustable Front Handle, Bump Feed

8. WARRANTY AND SUPPORT

8.1 Product Warranty

The SUNTEK 40V 15-Inch Brushless String Trimmer Edger comes with a **5-year tool warranty** and a **3-year battery warranty**. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the warranty card included with your product or contact SUNTEK customer service.

8.2 Customer Support

For technical assistance, replacement parts, or any questions regarding your SUNTEK product, please contact SUNTEK customer support. Contact information can typically be found on the product packaging or the official SUNTEK website.