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SANJIAN GCJ-WS-SH-Red-003

SANJIAN 21V Cordless 3-in-1 Grass Trimmer/Edger/Brush Cutter

Model: GCJ-WS-SH-Red-003

Brand: SANJIAN

1. Important Safety Instructions

Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury. Keep this manual for future reference.

General Safety

- Always wear eye protection, long pants, and sturdy footwear when operating the trimmer.
- Keep children, bystanders, and pets at a safe distance (at least 50 feet/15 meters) from the operating area.
- Do not operate the trimmer in wet conditions or rain.
- Inspect the work area for debris, rocks, or other objects that could be thrown by the cutting line or blade.
- Ensure all guards and handles are properly installed before use.
- Never modify the product or use attachments not recommended by the manufacturer.

Battery Safety

- Use only the specified battery pack and charger for this tool.
- Do not charge the battery in damp or wet locations.
- Do not incinerate the battery pack, even if it is severely damaged or completely dead.
- Store the battery pack away from metal objects that could short the terminals.

2. Package Contents

Carefully unpack all items and ensure you have received the following components:

- 1 x SANJIAN Cordless Weed Eater
- 1 x Stainless Steel Blade
- 1 x Manganese Steel Saw Blade
- 1 x Hex Key

- 2 x Plastic Blades
- 1 x 21V Lithium Battery
- 2 x Small Rotating Wrenches
- 1 x Charger
- 1 x Instruction Manual



Image: All components included in the SANJIAN 3-in-1 Cordless Grass Trimmer package.

3. Product Overview

The SANJIAN 21V Cordless 3-in-1 Grass Trimmer is a versatile lawn tool designed for trimming grass, edging, and light brush cutting. It features a powerful brushless motor and an adjustable design for user comfort and efficiency.

Key Features:

- **Advanced Brushless Motor:** Equipped with an 850W pure copper brushless motor for reduced friction, maximum 20000 RPM speed, and extended durability.
- **Adjustable Telescopic Pole:** The one-key telescopic pole adjusts from 33.9 to 45.3 inches (86-115 cm) to suit various user heights.
- **Safety Features:** Requires simultaneous press of safety lock and trigger to start. Includes baffles to prevent splashing.
- **Rotatable Head:** The trimmer head can be rotated 0-90° for adapting to different cutting angles and environments.
- **Lightweight Design:** Weighing approximately 3.28 pounds (1.49 kg), it is designed for comfortable use.
- **3-in-1 Functionality:** Easily switches between grass trimming, edging, and brush cutting with different blade types.



Image: Main view of the SANJIAN 21V Cordless Grass Trimmer.



Image: Diagram illustrating the advanced brushless motor technology.



Image: Detail of the telescopic tube for height adjustment.

4. Assembly

Follow these steps to assemble your SANJIAN 3-in-1 Grass Trimmer:

1. **Attach the Guard:** Secure the protective guard to the trimmer head using the provided screws and hex key. Ensure it is firmly in place to prevent debris from being thrown towards the user.
2. **Install the Handle:** Slide the auxiliary handle onto the main shaft and adjust it to a comfortable position. Tighten the locking mechanism.
3. **Insert the Cutting Attachment:**
   - For **String Trimming**: Place the string spool onto the spindle and secure it.
   - For **Brush Cutting**: Place the desired metal blade (stainless steel or manganese steel saw blade) onto the spindle, ensuring it aligns with the snap position. Secure it with the provided washer and nut using the rotating wrench.
4. **Connect the Shaft:** Connect the upper and lower sections of the shaft, ensuring they click securely into place.
5. **Insert the Battery:** Slide the fully charged battery pack into the battery slot until it locks.

Your browser does not support the video tag.

Video: Assembly guide for the Electric Brushless Cordless String Trimmer, demonstrating how to attach the guard and cutting head.

5. Charging the Battery

Before first use, fully charge the battery. A fully discharged battery will require approximately 1-2 hours to charge.

1. Remove the battery pack from the trimmer by pressing the release button and sliding it out.
2. Connect the charger to a standard electrical outlet.
3. Insert the battery pack into the charger. The indicator light on the charger will show the charging status (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.
5. Reinsert the charged battery pack into the trimmer until it clicks into place.

6. Operating Instructions

This 3-in-1 tool can be used for various lawn care tasks. Always ensure the correct cutting attachment is installed for the task.

Starting and Stopping

1. Ensure the battery is fully charged and properly installed.
2. To start the trimmer, press the safety lock button and simultaneously squeeze the trigger switch.
3. To stop the trimmer, release the trigger switch.

Grass Trimming (String/Plastic Blades)

Use the string spool or plastic blades for cutting grass and light weeds.

- Hold the trimmer firmly with both hands.
- Maintain a comfortable distance from your body.
- Swing the trimmer in a sweeping motion, keeping the cutting head parallel to the ground.
- Avoid hitting hard surfaces or objects to prevent damage to the line/blades.

Edging

For clean edges along sidewalks or driveways, rotate the trimmer head to the desired angle (up to 90°).

- Adjust the head angle for vertical cutting.
- Walk slowly and steadily, guiding the trimmer along the edge.

Brush Cutting (Metal Saw Blade)

Use the metal saw blade for thicker weeds, small brush, or light branches.

- Ensure the metal saw blade is securely installed.
- Approach the material slowly and with caution.
- Do not attempt to cut branches thicker than 1 inch (2.5 cm) in diameter.
- Always wear heavy-duty gloves and additional protective gear when using the saw blade.



Image: Visual representation of the 3-in-1 functionality: mowing, sawing branches, and general lawn trimming.

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Video: Demonstration of the Weed Wacker Cordless String Trimmer in action, showing its use for trimming.

Your browser does not support the video tag.

Video: Demonstration of the Electric Brushless Weed Wacker, highlighting its cutting capabilities.

7. Maintenance

Regular maintenance ensures optimal performance and extends the life of your trimmer.

- **Cleaning:** After each use, remove the battery and clean the trimmer head, guard, and housing with a damp cloth.

Remove any grass clippings or debris.

- **Blade/Line Inspection:** Regularly inspect the cutting line or blades for wear, cracks, or damage. Replace worn or damaged components immediately.
- **Storage:** Store the trimmer in a dry, secure location away from children. Remove the battery pack before storing for extended periods.
- **Battery Care:** Do not store battery packs in a discharged state. Charge them periodically if not used for a long time.

8. Troubleshooting

If you encounter issues with your SANJIAN trimmer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Trimmer does not start	Battery not charged or improperly installed; Safety lock not engaged; Faulty switch.	Ensure battery is fully charged and correctly inserted. Press safety lock and trigger simultaneously. If issue persists, contact support.
Short battery life	Battery not fully charged; Old or damaged battery; Heavy-duty use.	Ensure battery is fully charged before use. Consider purchasing a new battery if performance significantly degrades. Avoid continuous heavy cutting.
Poor cutting performance	Worn or dull cutting line/blade; Incorrect cutting attachment for the task; Motor overload.	Replace cutting line or blade. Use appropriate attachment (e.g., metal blade for thicker brush). Do not force the trimmer through dense material.
Excessive vibration or noise	Damaged or unbalanced blade/spool; Loose components.	Inspect and replace damaged blades/spool. Check all fasteners for tightness.

9. Specifications

Feature	Specification
Brand	SANJIAN
Model Number	GCJ-WS-SH-Red-003
Power Source	Battery Powered (21V Lithium)
Motor Type	Pure Copper Brushless Motor
Max RPM	20000 RPM
Adjustable Length	33.9 - 45.3 inches (86-115 cm)
Trimmer Head Rotation	0-90°
Item Weight	3.28 pounds (1.49 kg)
Cutting Width	2 Inches (for specific blades, actual cutting path may vary)

Feature	Specification
UPC	792105457628

10. Warranty and Support

SANJIAN provides customer support for its products. For any issues including missing accessories, defective products, battery charging, or installation, please contact our customer service team.
Our customer service is available 24/7 to address your concerns and ensure your satisfaction. Please refer to your purchase documentation for specific warranty details and contact information.

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