

TEENO T-SG-3

TEENO 20V Orbital Sander (Model T-SG-3) Instruction Manual

Brand: TEENO | Model: T-SG-3

1. INTRODUCTION

Thank you for choosing the TEENO 20V Orbital Sander. This versatile 3-in-1 handheld sander is designed for efficient and precise sanding of various materials, including wood and metal. Powered by a 20V Li-ion battery, it offers cordless convenience and a high sanding speed of 13,000 revolutions per minute. This manual provides essential information for safe operation, proper setup, effective use, and routine maintenance to ensure optimal performance and longevity of your tool.

2. SAFETY INSTRUCTIONS

- Always follow basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating the sander.
- **Wear appropriate personal protective equipment (PPE):** Always wear safety glasses, hearing protection, and a dust mask. Gloves are recommended.
 - **Secure your workpiece:** Ensure the material being sanded is firmly clamped or secured to prevent movement during operation.
 - **Keep work area clean and well-lit:** Cluttered or dark areas invite accidents.
 - **Avoid accidental starting:** Ensure the switch is in the off position before inserting the battery pack or picking up the tool.
 - **Do not overreach:** Maintain proper footing and balance at all times.
 - **Disconnect power:** Remove the battery pack before making any adjustments, changing accessories, or storing the tool.
 - **Use the correct sanding pad for the job:** Ensure the sanding pad is securely attached and appropriate for the material and desired finish.
 - **Maintain the tool:** Keep cutting tools sharp and clean. Follow instructions for lubricating and changing accessories.
 - **Store idle tools:** When not in use, tools should be stored in a dry, high, or locked-up place, out of reach of children.

3. PACKAGE CONTENTS

- Verify that all items are present and in good condition upon unpacking:
- 1x TEENO 3-in-1 Multifunction Triangle Sander

- 15x Sandpapers (#60, #80, #120 grits)
- 1x Triangle Sanding Plate
- 1x Finger Sanding Plate
- 1x Extended Triangle Sanding Plate
- 1x 20V 2Ah Li-ion Battery
- 1x Dust Collection Bag

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your TEENO Orbital Sander:

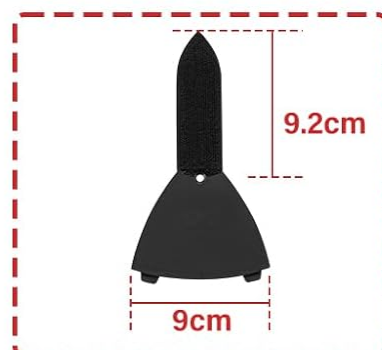


Figure 1: TEENO 20V Orbital Sander with key components labeled, including the soft rubber handle, dustproof switch, dust collection bag, cooling system, hook and loop sanding pad, and vacuum hose adapter. Also shown are the standard and extended finger sanding pads with dimensions.

The sander features a soft rubber handle for comfortable grip, a dustproof switch for durability, and a cooling system to prevent overheating. It comes with a hook and loop sanding pad system for quick sandpaper changes and includes a dust collection bag for efficient debris management. A vacuum hose adapter is also provided for external dust extraction.



Figure 2: Overview of the TEENO 20V Orbital Sander, highlighting its compact size (22cm / 8.67 inches) and key specifications: Voltage: 20V, Speed: Max 13000 RPM, Back pad diameter: 140x96.6mm.

5. SETUP

5.1 Attaching Sanding Pads

The TEENO sander features a 3-in-1 design, allowing you to switch between different sanding plates for various tasks.

The sanding plates are attached via screws.

1. To change a sanding plate, locate the screws securing the current plate to the sander base.
2. Use an appropriate screwdriver to loosen and remove the screws.
3. Carefully remove the current sanding plate.
4. Align the desired sanding plate (triangle, finger, or extended triangle) with the screw holes on the sander base.
5. Secure the new sanding plate by reinserting and tightening the screws. Ensure it is firmly attached.

OPERATING PROCEDURE



Figure 3: Step-by-step guide showing how to change the sanding pads. (1) Unscrew the existing pad. (2) Attach the desired sandpaper to the new pad using the hook and loop system. (3) Secure the new pad to the sander with screws.

5.2 Attaching Sandpaper

The sanding pads use a hook and loop (Velcro) system for quick and easy sandpaper changes.

1. Ensure the sanding pad is clean and free of debris.
2. Align the holes on the sandpaper with the holes on the sanding pad.
3. Press the sandpaper firmly onto the pad to secure it.

5.3 Installing/Removing Battery

The sander is powered by a 20V Li-ion battery.

- **To install:** Slide the fully charged battery pack into the base of the sander until it clicks securely into place.
- **To remove:** Press the battery release button (if present) and slide the battery pack out.

5.4 Attaching Dust Collection Bag

The sander is equipped with a self-priming dust collection function.

1. Locate the dust exhaust port at the rear of the sander.
2. Slide the dust collection bag onto the exhaust port until it is firmly attached.
3. For external dust extraction, attach the vacuum hose adapter to the exhaust port, then connect a suitable vacuum cleaner hose to the adapter.

6. OPERATING

6.1 Powering On/Off

The sander features a dustproof ON/OFF switch.

- **To turn ON:** Slide the switch to the 'I' position.
- **To turn OFF:** Slide the switch to the 'O' position.

6.2 Sanding Techniques

The TEENO sander is suitable for various applications, including rust removal, wood sanding, furniture finishing, and sanding corners/edges.



Figure 4: The TEENO Orbital Sander being used for various applications, including rust removal from metal, general wood sanding, furniture sanding, and precise corner and edge sanding.

- **General Sanding:** Hold the sander firmly with one hand, ensuring the sanding pad is flat against the surface. Move the sander in smooth, overlapping passes. Avoid applying excessive pressure, as the tool's weight is usually sufficient.
- **Corner and Edge Sanding:** Utilize the triangular or extended finger sanding plates for precise work in tight spaces, corners, and along edges. The ergonomic design allows for comfortable and accurate control.
- **Material Specifics:** For rust removal on metal, use a coarser grit sandpaper. For wood and furniture, start with a medium grit and progress to finer grits for a smoother finish.

COMPACT SIZE & LIGHTWEIGHT



**ALLOW REACHING
TIGHT SPACES**



**ONE-HAND
OPERATION**



2.7 LBS



Figure 5: The TEENO Orbital Sander demonstrating its compact size and lightweight design (2.7 lbs), allowing for one-hand operation and reaching tight spaces.

7. MAINTENANCE

7.1 Emptying the Dust Collection Bag

Regularly empty the dust collection bag to maintain optimal dust extraction efficiency and prevent clogging.

1. Ensure the sander is turned off and the battery is removed.
2. Detach the dust collection bag from the exhaust port.
3. Empty the collected dust into a waste receptacle.
4. Reattach the dust bag securely before resuming operation.

7.2 Cleaning the Sander

Keep the sander clean to ensure proper function and extend its lifespan.

- Wipe down the exterior of the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Periodically inspect the cooling vents for dust buildup and clear them if necessary to ensure adequate airflow.
- Check the hook and loop sanding pad for wear or damage. Replace if necessary to ensure proper sandpaper adhesion.

7.3 Battery Care

- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store the battery in a discharged state for extended periods. Charge it periodically if not in use.
- Refer to the battery charger's manual for specific charging instructions.

8. TROUBLESHOOTING

If you encounter issues with your TEENO Orbital Sander, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Sander does not start	Battery not charged or improperly inserted; faulty switch.	Ensure battery is fully charged and correctly inserted. Check the ON/OFF switch for proper function.
Poor sanding performance	Worn or incorrect sandpaper; excessive pressure; clogged sanding pad.	Replace sandpaper with a new, appropriate grit. Apply even, light pressure. Clean the sanding pad.
Excessive dust in work area	Dust collection bag full or improperly attached; clogged exhaust port.	Empty and reattach the dust bag. Clear any blockages in the exhaust port. Ensure proper connection if using a vacuum.
Tool overheating	Blocked cooling vents; continuous heavy use.	Clear cooling vents. Allow the tool to cool down during prolonged use. Avoid excessive pressure.

If the problem persists after attempting these solutions, please contact TEENO customer support for further assistance.

9. SPECIFICATIONS

Key technical specifications for the TEENO 20V Orbital Sander (Model T-SG-3):

Feature	Specification
Brand	TEENO
Model Number	T-SG-3
Voltage	20 Volts
Power Source	Battery Powered (Li-ion)

Feature	Specification
Maximum Current	2 Amperes
Maximum Rotational Speed	13,000 Revolutions per Minute
Battery Description	20V Lithium-ion Battery
Item Weight	1.8 Kilograms
Disc Diameter Decimal Value	140 mm
Included Components	Sandpaper
Product Type Name	Multifunction Sander
Country of Origin	China

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official TEENO website. Keep your purchase receipt as proof of purchase for any warranty claims.

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