

Total TWS10501

Total Drywall Sander TWS10501 Instruction Manual

Model: TWS10501 | Brand: Total

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Total TWS10501 1050W Drywall Sander with LED Lights. Please read these instructions carefully before using the tool to ensure proper function and to prevent injury or damage. Keep this manual for future reference.

2. PRODUCT OVERVIEW

The Total TWS10501 is a powerful and efficient drywall sander designed for professional and DIY use. It features a 1050W motor, a 9-inch (225mm) sanding pad, and integrated LED lights for improved visibility. The built-in dust collection system helps maintain a clean work environment.

Key Features:

- Powerful Motor:** 1050W for efficient material removal.
- Large Sanding Pad:** 225mm diameter for covering large surfaces quickly.
- Integrated LED Lights:** Illuminates the work area for precision and balanced finish.
- Dust Collection System:** Minimizes airborne dust for a cleaner and safer workspace.
- Ergonomic Design:** Soft grip and lightweight for reduced fatigue during extended use.
- Adjustable Speed:** Variable no-load speed from 600-2300 RPM.



Figure 2.1: Total TWS10501 Drywall Sander with its flexible dust hose and extension bar.





Figure 2.2: Detail of the adjustable handle and locking mechanism on the Total TWS10501.



Figure 2.3: The sanding head of the TWS10501, showing the integrated LED work lights and brush skirt.



Figure 2.4: Connection point for the flexible dust hose on the Total TWS10501.

3. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical tools to reduce the risk of fire, electric shock, and personal injury.

General Safety:

- **Work Area:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Ensure the power cord is undamaged.
- **Personal Safety:** Always wear eye protection, a dust mask, and hearing protection. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the tool. Use the correct tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

Specific Drywall Sander Safety:

- **Dust Hazard:** Drywall dust can be harmful if inhaled. Always use the dust collection system and wear a suitable dust mask. Ensure adequate ventilation in the work area.
- **Secure Workpiece:** Ensure the surface being sanded is stable and secure.
- **Avoid Overreaching:** Maintain proper footing and balance at all times.
- **Inspect Sanding Pad:** Before each use, check the sanding pad for wear or damage. Replace if necessary.

4. SETUP

Follow these steps to prepare your drywall sander for use.

- Unpacking:** Carefully remove all components from the packaging. Verify that all included items are present: drywall sander, 6 pieces of sandpapers, two connection adapters, 4m flexible tube, one extension bar, one dust bag, and one set of extra carbon brushes.
- Assemble Extension Bar (if needed):** If working on high walls or ceilings, attach the extension bar to the main body of the sander. Ensure it clicks securely into place.
- Attach Dust Hose:** Connect one end of the 4m flexible tube to the dust port on the sander. Use the appropriate connection adapter if connecting to an external vacuum cleaner. Connect the other end of the flexible tube to the provided dust bag or an external dust extractor. Ensure all connections are tight to prevent dust leakage.
- Install Sandpaper:** The sanding pad uses hook-and-loop (Velcro) fastening. Align the holes on the sandpaper with the holes on the sanding pad for optimal dust extraction. Press the sandpaper firmly onto the pad to secure it.
- Power Connection:** Ensure the power switch is in the 'OFF' position. Plug the power cord into a suitable 220-240V 50/60Hz power outlet.

5. OPERATING INSTRUCTIONS

Proper operation ensures efficient sanding and extends the life of your tool.

- Power On/Off:** To start the sander, press the ON/OFF switch. To stop, press the switch again.
- Adjust Speed:** Use the variable speed dial to select the desired sanding speed (600-2300 RPM). Start with a lower speed for delicate work or initial passes, and increase as needed for faster material removal.
- Activate LED Lights:** The integrated LED work light can be switched on or off independently to illuminate the work surface, helping to identify imperfections and ensure an even finish.
- Sanding Technique:**
 - Hold the sander firmly with both hands.
 - Place the sanding pad flat against the surface to be sanded.
 - Apply light, even pressure. Let the tool do the work.
 - Move the sander in smooth, overlapping circular or sweeping motions. Avoid holding the sander in one spot for too long to prevent gouging the surface.
 - Regularly check the surface for desired smoothness.
- Dust Collection:** Ensure the dust collection system (dust bag or external extractor) is properly connected and functioning throughout operation. Empty the dust bag regularly to maintain optimal suction.
- Finishing:** Once sanding is complete, switch off the tool and unplug it from the power source.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your drywall sander.

- **Cleaning:** After each use, wipe down the tool with a clean, damp cloth. Do not use harsh chemicals or solvents. Clear any dust buildup from ventilation openings.
- **Sandpaper Replacement:** Replace worn or clogged sandpaper promptly. Worn sandpaper reduces efficiency and can damage the sanding pad.
- **Dust Bag/Filter:** Empty the dust bag frequently. If using an external dust extractor, clean or replace its filter as recommended by the manufacturer.
- **Carbon Brushes:** The sander comes with a set of extra carbon brushes. Periodically inspect the carbon brushes for wear. When they are worn down to approximately 1/4 inch (6mm), they should be replaced. Refer to a qualified service technician for carbon brush replacement if you are unsure.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. If damaged, have it replaced by a qualified technician.
- **Storage:** Store the sander in a clean, dry place, out of reach of children.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your drywall sander.

Problem	Possible Cause	Solution
Sander does not start	No power supply; Damaged power cord; Faulty switch; Worn carbon brushes.	Check power outlet and connection; Inspect power cord for damage; Contact service for switch or carbon brush replacement.
Poor sanding performance	Worn or incorrect sandpaper; Insufficient pressure; Low speed setting.	Replace sandpaper; Apply light, even pressure; Increase speed setting.
Excessive dust	Dust hose not connected properly; Dust bag full; Sandpaper holes not aligned; Damaged dust skirt.	Ensure dust hose is securely attached; Empty dust bag; Align sandpaper holes; Inspect and replace dust skirt if damaged.
Sander vibrates excessively	Damaged sanding pad; Unbalanced sandpaper; Loose components.	Replace sanding pad; Ensure sandpaper is centered and flat; Check for loose screws or parts.

If you encounter problems not listed here or if solutions do not resolve the issue, please contact Total customer support or a qualified service center.

8. SPECIFICATIONS

Specification	Value

Specification	Value
Manufacturer	Total
Item Model Number	TWS10501
Part Number	202211006847
Voltage	220-240V
Frequency	50/60Hz
Wattage (Input Power)	1050W
No-load Speed	600-2300 RPM
Grinding Pad Diameter	215 mm
Sandpaper Diameter	225 mm
Tube Diameter	32 mm
Dust Hose Diameter	38 mm
Item Weight	7.3 Kilograms
Product Dimensions	68.59 x 31.2 x 30 cm
Power Source Type	AC/DC (Corded Electric)
Included Components	1 x Drywall Sander TWS10501, 6 x Sandpapers, 2 x Connection Adapters, 1 x 4m Flexible Tube, 1 x Extension Bar, 1 x Dust Bag, 1 x Set of Extra Carbon Brushes
Batteries Required?	No
Color	Multi-color

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact Total customer service. Keep your purchase receipt as proof of purchase.

Customer Support:

If you have any questions, require technical assistance, or need to order replacement parts, please contact Total customer support through their official website or the contact details provided in your product packaging.

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