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› [DOVAMAN DMS01A 10-Inch Sliding Miter Saw Instruction Manual](#)

DOVAMAN DMS01A

DOVAMAN DMS01A 10-Inch Sliding Miter Saw Instruction Manual

Model: DMS01A
Brand: DOVAMAN

1. INTRODUCTION

Thank you for choosing the DOVAMAN DMS01A 10-Inch Sliding Miter Saw. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read all instructions carefully before use and retain this manual for future reference.

2. SAFETY INFORMATION

Always prioritize safety when operating power tools. Failure to follow safety instructions can result in serious injury or property damage. Keep this manual accessible for quick reference.

General Safety Rules:

- Wear appropriate personal protective equipment (PPE), including safety glasses, hearing protection, and a dust mask.
- Ensure the work area is clean, well-lit, and free from obstructions.
- Keep children and bystanders away from the operating area.
- Do not operate the saw in damp or wet conditions.
- Always unplug the saw before making adjustments, changing blades, or performing maintenance.
- Securely clamp workpieces before cutting to prevent movement.
- Never reach into the blade area while the saw is running or connected to power.
- Use only blades recommended for your saw and the material being cut.
- Maintain proper balance and footing at all times.
- Do not force the tool; let the blade do the work.

3. PACKAGE CONTENTS

Verify that all items are present upon unpacking:

- DOVAMAN DMS01A Upgraded 10-Inch Miter Saw
- 3 x TCT Blades for Multi-Material Cuts (Two 40-tooth, one 48-tooth)
- 2 Extra Carbon Brushes
- Support Clamp
- User Manual (this document)

4. SETUP

Follow these steps to set up your DOVAMAN DMS01A miter saw:

4.1. Unpacking and Placement

- Carefully remove the saw and all accessories from the packaging.
- Place the saw on a stable, level workbench or a compatible miter saw stand. Ensure it is securely mounted if intended for permanent use.

4.2. Installing/Changing Saw Blade

Your saw comes with three TCT blades for various materials. Always ensure the correct blade is installed for the material you are cutting.

1. Unplug the saw from the power source.
2. Locate the blade guard release mechanism and open the guard.
3. Press the spindle lock button to prevent the blade from rotating.
4. Use the provided wrench to loosen the arbor nut (typically counter-clockwise for standard blades).
5. Remove the outer flange and the old blade.
6. Clean any sawdust or debris from the flanges.
7. Place the new blade onto the arbor, ensuring the teeth are pointing in the direction of rotation indicated by the arrow on the blade guard.
8. Reinstall the outer flange and tighten the arbor nut securely while holding the spindle lock.
9. Close the blade guard.

Video: Demonstration of changing the saw blade on the DOVAMAN miter saw.

4.3. Adjusting the Fence and Table Extensions

The saw features adjustable fences and extendable side tables to support longer workpieces.

- Loosen the fence locking knobs to adjust the fence position as needed for your cut. Ensure the fence is perpendicular to the blade for straight cuts.
- Pull out the side table extensions to provide additional support for wider or longer materials. Secure them in place.

SLIDE RAIL SYSTEM

90 X 340 mm CUTTING CAPACITY



Image: The DOVAMAN miter saw demonstrating its extended slide rail system for increased cutting capacity.

9 POSITIVE STOPS FOR PRECISE MITER CUTS



Image: A close-up view of the miter saw's base, highlighting the 9 positive stops for precise angle adjustments.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the saw's controls and cutting capabilities before beginning any project.

5.1. Powering On and Dual Speed Selection

- Connect the saw to a suitable 120V power outlet.
- The saw features a dual-speed setting:
 - **Speed II (5000 RPM):** Ideal for cutting wood and plastic.
 - **Speed I (3200 RPM):** Recommended for cutting soft metals.
- Select the appropriate speed using the switch located on the handle.
- To start the saw, press the safety lock button and then squeeze the trigger.

Video: Demonstration of the DOVAMAN miter saw's dual-speed settings for wood and metal cutting.

QUICK CUTS WITH 5000 RPM

POSITION II



Image: The miter saw performing a quick cut at 5000 RPM, suitable for wood materials.

CLEAN CUTS WITH 3200 RPM

POSITION I



Image: The miter saw performing a clean cut at 3200 RPM, ideal for soft metals.

5.2. Using the Laser Guide

The built-in laser guide provides a visual line for precise cuts.

- Activate the laser guide using its dedicated switch (if available, or it may activate with the saw).
- Align the laser line with your pencil mark on the workpiece for accurate positioning before cutting.

BUILT-IN LASER FOR PRECISE CUTS

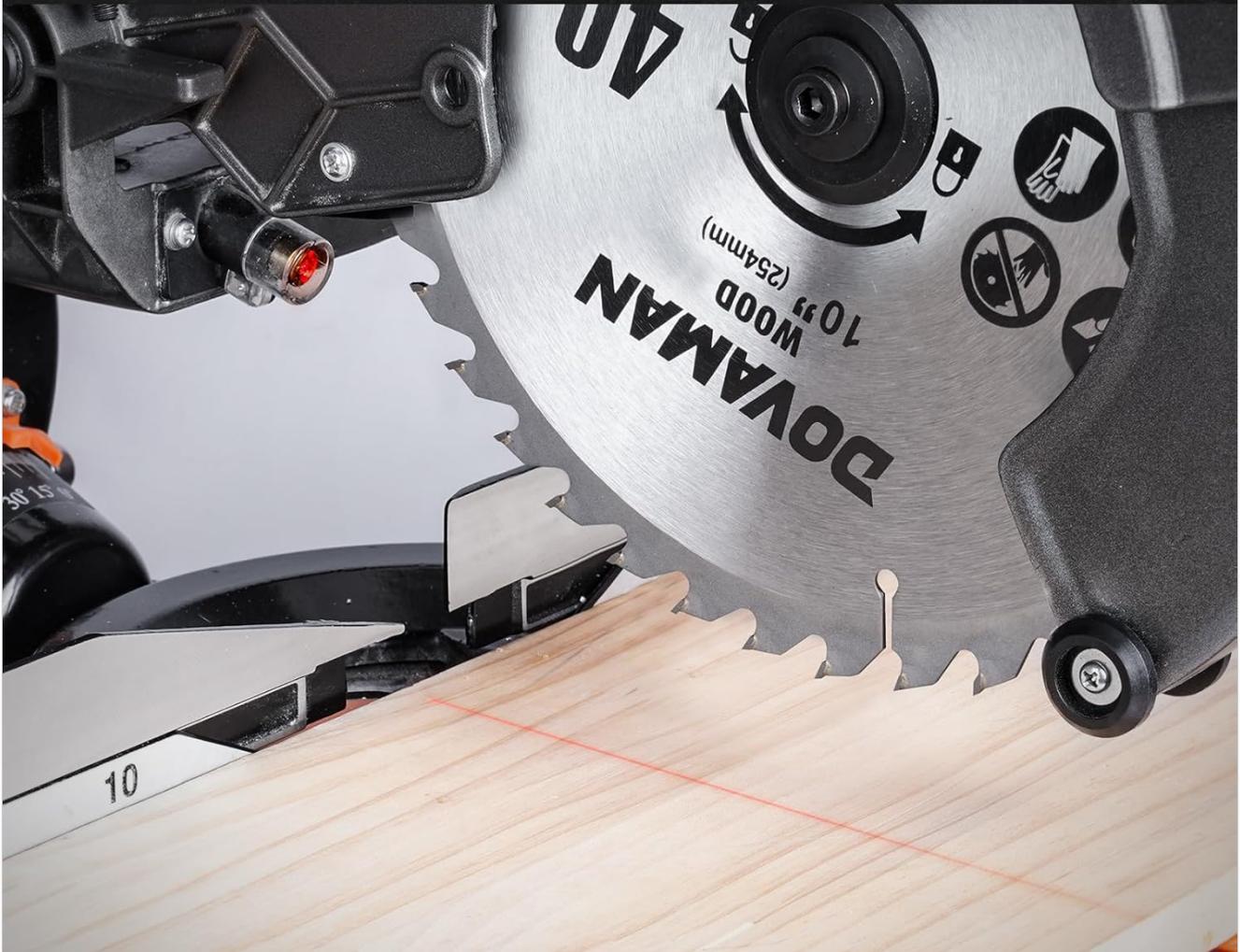


Image: A close-up of the miter saw's built-in laser guide projecting a red line onto a wooden workpiece for precise cutting.

5.3. Miter and Bevel Cuts

The saw allows for both miter (horizontal angle) and bevel (vertical angle) cuts.

- **Miter Cuts:** Loosen the miter lock handle, adjust the turntable to the desired angle (0-45° left or right), and tighten the lock. Use the positive stops for common angles.
- **Bevel Cuts:** Loosen the bevel lock lever, tilt the saw head to the desired angle (0-45°), and secure the lever.

Video: Demonstration of miter and bevel cutting capabilities of the DOVAMAN miter saw.

5.4. Sliding Function

For wider workpieces, utilize the sliding rail system.

- Ensure the sliding lock is disengaged.
- Pull the saw head forward, lower the blade into the workpiece, and push the saw head back through the material.
- This allows for a maximum cutting range of 3.5 x 13.4 inches.

SLIDE RAIL SYSTEM

90 X 340 mm CUTTING CAPACITY



Image: The DOVAMAN miter saw demonstrating its extended slide rail system for increased cutting capacity.

5.5. Workpiece Clamping

Always secure your workpiece using the provided support clamp.

- Position the clamp to firmly hold the workpiece against the fence and table.
- Tighten the clamp securely before initiating any cut.

VERSATILE FOR BOTH HANDS

AMBIDEXTROUS MITER SAW



Image: A user operating the DOVAMAN miter saw, highlighting its ambidextrous design for comfortable use by both left and right-handed individuals.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your miter saw.

6.1. General Cleaning

- After each use, unplug the saw and use a brush or compressed air to remove sawdust and debris from the motor vents, blade guard, and table.
- Empty the dust collection bag regularly.

6.2. Blade Care

- Inspect blades for sharpness and damage before each use. Replace dull or damaged blades promptly.
- Clean blades regularly to remove pitch and resin buildup, which can affect cutting performance.

6.3. Carbon Brush Replacement

The carbon brushes are wear items and should be inspected periodically. Replace them when they are worn down to approximately 1/4 inch (6mm) or if the motor performance decreases.

1. Unplug the saw.
2. Locate the carbon brush caps on the motor housing.
3. Use a screwdriver to remove the caps.
4. Carefully pull out the old carbon brushes.
5. Insert the new carbon brushes, ensuring they slide in smoothly.
6. Replace the caps and tighten them securely.

Video: Demonstration of changing the carbon brushes on the DOVAMAN miter saw.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Saw does not start	No power; Safety lock not engaged; Worn carbon brushes	Check power connection; Ensure safety lock is pressed before trigger; Replace carbon brushes.
Inaccurate cuts	Blade not square to fence; Miter/bevel angle not set correctly; Loose workpiece	Adjust blade squareness; Re-set miter/bevel angle; Securely clamp workpiece.
Excessive vibration/noise	Dull or damaged blade; Loose blade; Motor issue	Replace blade; Tighten arbor nut; Contact customer service if motor issue persists.
Sawdust not collecting	Dust bag full or improperly attached; Dust port clogged	Empty/reattach dust bag; Clear dust port.

8. SPECIFICATIONS

Feature	Specification
Brand	DOVAMAN
Model Number	DMS01A-Upgraded
Power Source	Corded Electric
Voltage	120 Volts
Wattage	2000 watts
Motor	15Amp Pure Copper Motor
Blade Length	10 Inches (254mm)
Speed	5000 RPM (Wood), 3200 RPM (Metal)
Cutting Angle (Miter)	45 Degrees Left/Right
Cutting Angle (Bevel)	0-45 Degrees Single Bevel
Max Cut Capacity	3.5 x 13.4 inches (90 x 340 mm)

Feature	Specification
Surface Recommendation	Multi-Material: Wood, Plastic, Soft Metal
Item Weight	37.4 pounds (17 Kilograms)
Product Dimensions	33"L x 19"W x 15"H
UPC	702571863588

9. WARRANTY AND SUPPORT

The DOVAMAN DMS01A 10-Inch Sliding Miter Saw is backed by a 2-year limited warranty. For any questions, technical assistance, or warranty claims, please contact DOVAMAN customer service or the seller, MilkyWay Galaxy, directly. Refer to your purchase documentation for specific contact details.
