

DEWALT DW713

DEWALT 10-Inch Compound Miter Saw (DW713) Instruction Manual

INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your DEWALT 10-Inch Compound Miter Saw, model DW713. Please read and understand all instructions before using the tool to ensure user safety and optimal performance.

The DEWALT DW713 is equipped with a 15 Amp motor delivering 5,000 rpm for extended power and durability. Key features include a stainless steel miter detent plate and cam miter lock for repeatable accuracy and easy adjustments. Tall sliding fences support 4-1/2-inch crown molding vertically. Its lightweight design and built-in carry handle enhance portability.

GENERAL SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep your work area clean and well-lit. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Keep children and bystanders away while operating a power tool.

- **Wear Eye Protection:** Always wear appropriate eye protection that complies with ANSI Z87.1.
- **Wear Hearing Protection:** Prolonged exposure to noise from power tools can cause hearing damage.
- **Secure Workpiece:** Always clamp or otherwise secure the workpiece to prevent movement during cutting.
- **Use Correct Blade:** Ensure the blade is sharp, clean, and appropriate for the material being cut.
- **Maintain Guard:** Never operate the saw with the blade guard removed or improperly functioning.
- **Disconnect Power:** Always disconnect the saw from the power source before making adjustments, changing accessories, or performing maintenance.

SETUP

Unpacking and Inspection

Carefully remove the miter saw and all accessories from the packaging. Inspect the tool for any damage that may

have occurred during shipping. Do not operate the tool if any parts are damaged or missing. Refer to the packing list to ensure all components are present.

Mounting the Saw

For stable operation, the miter saw should be securely mounted to a workbench or a compatible miter saw stand. Use appropriate bolts and washers to fasten the saw through the designated mounting holes in its base. Ensure the mounting surface is level and capable of supporting the saw's weight and operational forces.

Blade Installation

Warning: Disconnect the saw from the power source before installing or changing the blade.

1. Lift the lower blade guard and loosen the blade clamp bolt using the provided wrench.
2. Press the spindle lock button to prevent the blade from rotating.
3. Remove the outer blade washer and the old blade.
4. Place the new 10-inch blade onto the spindle, ensuring the teeth are pointing downwards towards the front of the saw.
5. Reinstall the outer blade washer and tighten the blade clamp bolt securely while holding the spindle lock button.
6. Release the spindle lock and check that the blade rotates freely.

Initial Adjustments

Before first use, verify and adjust the following for accurate cuts:

- **Miter Detent Plate:** The stainless steel detent plate has 11 positive stops for common miter angles. Ensure the detent pin engages firmly at desired angles.
- **Cam Miter Lock:** Use the cam miter lock to quickly and accurately position the miter table and secure it.
- **Sliding Fences:** The tall sliding fences support material and can be adjusted or slid out of the way for bevel cuts. Ensure they are perpendicular to the blade for straight cuts.
- **Bevel Adjustment:** Check the bevel scale and ensure the saw bevels smoothly between 3 and 48 degrees.

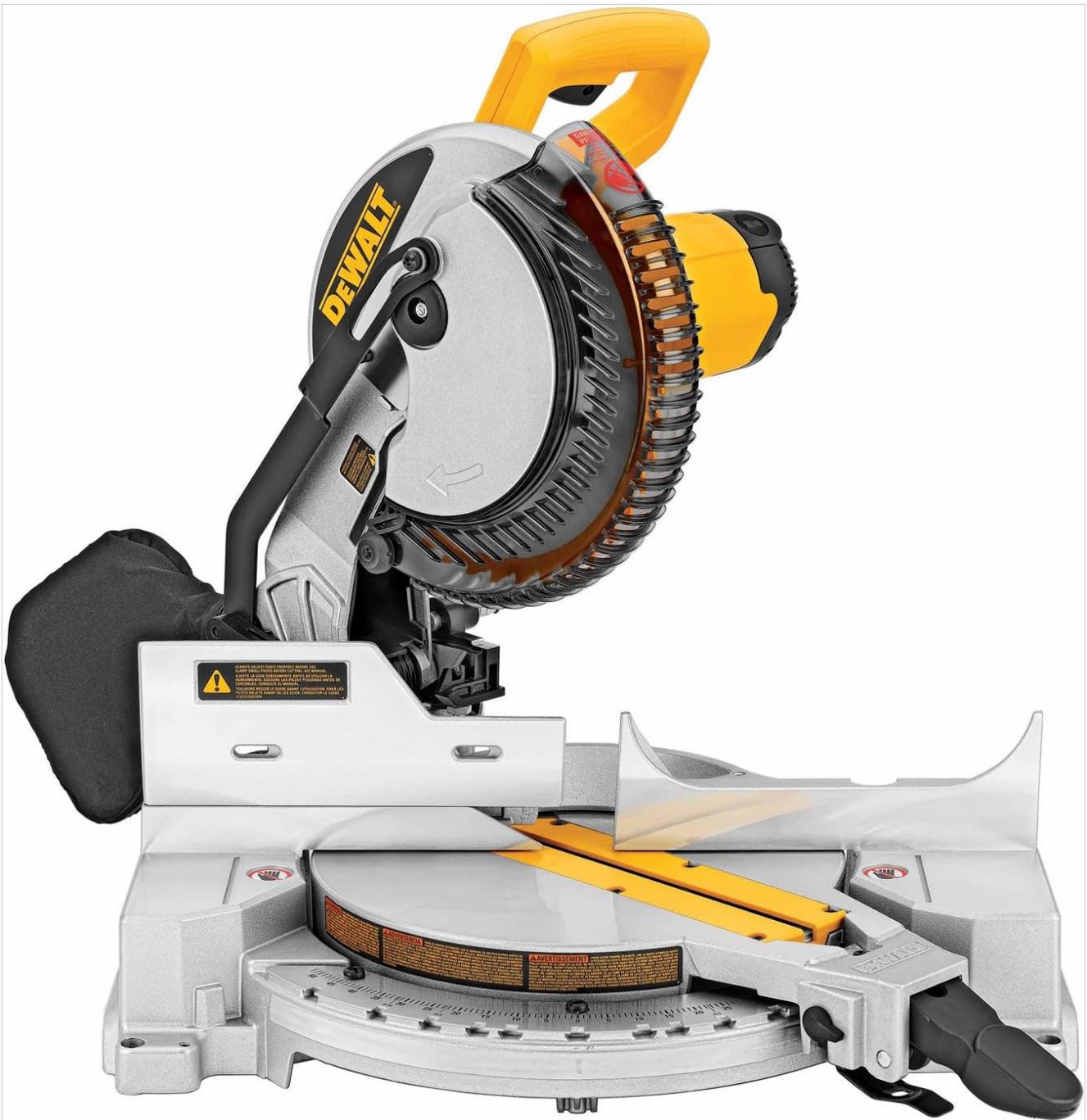


Image: Front view of the DEWALT DW713 10-Inch Compound Miter Saw, showing the blade, guard, miter table, and fences. This view highlights the primary cutting components.

OPERATING INSTRUCTIONS

Powering On/Off

Connect the saw to a suitable power outlet. To start the saw, depress the trigger switch. To stop the saw, release the trigger switch. Allow the blade to reach full speed before beginning a cut.

Making Miter Cuts

The saw offers a 0-50 degree left and right miter capacity. To set a miter angle:

1. Loosen the miter lock handle.
2. Depress the miter detent lever and rotate the miter table to the desired angle.
3. Release the detent lever to engage a positive stop, or use the miter detent override for fine adjustments.
4. Tighten the miter lock handle firmly to secure the table.

5. Place the workpiece against the fence and secure it.
6. Start the saw, allow the blade to reach full speed, and slowly lower the blade through the workpiece.

Making Bevel Cuts

The saw can bevel from 3 to 48 degrees. To set a bevel angle:

1. Loosen the bevel lock knob located at the rear of the saw.
2. Tilt the saw head to the desired bevel angle, referencing the bevel scale.
3. Tighten the bevel lock knob securely.
4. Ensure the sliding fences are adjusted or moved out of the way to clear the blade during the bevel cut.
5. Proceed with the cut as described for miter cuts.

Cutting Crown Molding

The tall sliding fences allow for vertical nesting of crown molding up to 4-1/2 inches. This method often requires compound miter and bevel settings. Refer to specific crown molding cutting guides for precise angle calculations.



Image: Side view of the DEWALT DW713 10-Inch Compound Miter Saw, illustrating the motor housing and the attached dust collection bag. This view shows the saw's profile and dust management system.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your miter saw.

Cleaning

After each use, disconnect the saw from power and clean off sawdust and debris. Use a soft brush or compressed air. Regularly empty the dust collection bag. Do not use solvents or harsh chemicals that could damage plastic parts.

Blade Care

A sharp blade is crucial for clean and safe cuts. Replace dull or damaged blades promptly. Ensure the blade is free of pitch and resin buildup, which can be cleaned with appropriate blade cleaners.

Checking Accuracy

Periodically check the accuracy of your miter and bevel settings using a reliable square or protractor. If adjustments are needed, refer to the setup section or consult a qualified service technician.



Image: Rear view of the DEWALT DW713 10-Inch Compound Miter Saw, showing the motor and handle from a different angle. This perspective provides a view of the saw's rear components and overall construction.

TROUBLESHOOTING

- **Saw does not start:** Check power connection, circuit breaker, and ensure the trigger switch is fully depressed.
- **Inaccurate cuts:** Verify miter and bevel settings, ensure the workpiece is clamped securely, and check for a dull or damaged blade.
- **Excessive vibration:** Ensure the blade is correctly installed and tightened, and that the saw is securely mounted. Check for a bent or damaged blade.
- **Motor overheats:** Ensure proper ventilation around the motor. Avoid forcing the saw through material; let the blade do the work.

For issues not resolved by these steps, contact DEWALT customer service or a qualified service center.

SPECIFICATIONS

- **Model:** DW713
- **Power Source:** Corded
- **Motor:** 15 Amp
- **No-Load Speed:** 5000 RPM
- **Blade Diameter:** 10 Inches
- **Miter Capacity:** 0-50 degrees left and right
- **Bevel Capacity:** 3-48 degrees
- **Vertical Crown Molding Capacity:** 4-1/2 inches (nested)
- **Item Weight:** 35 Pounds
- **Product Dimensions:** 23.8"L x 19"W x 17"H
- **Blade Material:** Stainless Steel (standard blade)
- **Surface Recommendation:** Wood

WARRANTY INFORMATION

This DEWALT product is covered by a Limited Warranty. Additionally, it includes a 90 Day Money Back Guarantee. For specific terms and conditions, please refer to the warranty card included with your product or visit the official DEWALT website.

SUPPORT

For technical assistance, replacement parts, or service, please contact DEWALT customer support. Have your model number (DW713) and serial number ready when contacting support. You can find contact information on the DEWALT website or in the documentation provided with your saw.

Online Resources: For additional information, tutorials, and FAQs, visit the official [DEWALT website](#).