

[Manuals.plus](#) /

› [DEWALT](#) /

› DEWALT 20V MAX Orbital Sander, Tool Only (DCW210B) User Manual

DEWALT DCW210B

DEWALT 20V MAX Orbital Sander User Manual

Model: DCW210B

INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your DEWALT 20V MAX* XR 5-inch Brushless Cordless Random Orbital Sander (Model DCW210B). Please read this manual thoroughly before operating the tool to ensure proper use and to prevent injury.



Image: The DEWALT 20V MAX* XR 5-inch Brushless Cordless Random Orbital Sander, featuring its compact design and dust bag attachment.

SAFETY INFORMATION

Always follow basic safety precautions when using power tools to reduce the risk of fire, electric shock, and personal injury. Keep 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. Always wear appropriate personal protective equipment, including eye protection, hearing protection, and a dust mask.

- Ensure the tool is disconnected from the power source (battery removed) before making any adjustments, changing accessories, or storing the tool.
- Do not force the tool. Use the correct tool for your application.
- Maintain tools with care. Keep cutting tools sharp and clean.
- Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation.
- Use only accessories specified by the manufacturer for your model.

PRODUCT FEATURES

The DEWALT DCW210B Orbital Sander is designed with several features to enhance performance and user comfort:

- **Brushless Motor:** Provides extended runtime and efficiency.
- **Variable-Speed Control:** Adjusts from 8,000 to 12,000 OPM (Orbits Per Minute) to match the speed to the specific application.
- **Low-Profile Height:** Allows the user to get closer to the work surface for precise sanding and improved control.
- **Replaceable 8-Hole Hook-and-Loop Sanding Pad (DWE64233):** Enables quick and easy paper changing.
- **Dust-Sealed Switch:** Protects against dust ingestion, contributing to a longer switch life.
- **Texturized Rubber Overmold Grip:** Provides comfortable and secure handling during operation.
- **One-Handed Locking Dust Bag:** Securely attaches for efficient dust collection.
- **Dust Port:** Designed for direct connection to DEWALT DWV010 or DWV012 dust collectors (sold separately). Can also be adapted for other vacuum systems using the DWV9000 Universal Quick Connector (sold separately).



Image: Diagram highlighting key features such as the ergonomic handle, low profile, variable-speed control, and brushless motor.



TEXTURIZED RUBBER OVERMOLD GRIP FOR COMFORT

Image: A close-up view of the sander's texturized rubber overmold grip, designed for enhanced comfort and control.

SETUP

Package Contents

Verify that all items listed below are included in your package:

- (1) DEWALT 20V MAX* XR 5 in. Cordless Random Orbital Sander (DCW210B)
- (1) Dust Bag

Note: Battery and charger are sold separately.

INCLUDES

**TOOL - DCW210B,
(1) 20V MAX* XR 5 IN. CORDLESS RANDOM ORBITAL SANDER,
(1) DUST BAG**



*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

Image: The DEWALT DCW210B sander shown with its included dust bag, indicating what comes in the package.

Attaching the Dust Bag

1. Align the dust bag collar with the dust port on the sander.
2. Push the dust bag firmly onto the dust port until it locks securely in place.



Image: A user demonstrating the connection of a dust collection hose to the sander's dust port, similar to attaching the dust bag.

Installing Sanding Paper

1. Ensure the sander is turned off and the battery is removed.
2. Align the holes on the 8-hole hook-and-loop sanding paper with the holes on the sanding pad.
3. Press the sanding paper firmly onto the pad to secure it.



Image: A user demonstrating the process of attaching a new sanding disc to the hook-and-loop sanding pad.

OPERATING INSTRUCTIONS

Powering On/Off

Insert a charged 20V MAX* battery into the tool. To turn the sander on, slide the dust-sealed switch to the "ON" position. To turn it off, slide the switch to the "OFF" position.



DUST-SEALED SWITCH
FOR DURABILITY AND LONG LIFE

Image: A user operating the sander, highlighting the dust-sealed switch for durability and long life.

Adjusting Variable Speed

The variable-speed dial allows you to adjust the sanding speed from 8,000 to 12,000 OPM. Rotate the dial to select the appropriate speed for your material and application. Lower speeds are suitable for delicate work or finishing, while higher speeds are for aggressive material removal.



Image: A hand adjusting the variable speed dial located on the top of the sander, allowing for precise control over sanding speed.

Sanding Techniques

- Always hold the sander firmly with both hands.
- Allow the sander to reach full speed before applying it to the workpiece.
- Apply light, even pressure. Do not press down excessively, as this can reduce sanding efficiency and damage the workpiece or tool.
- Move the sander in overlapping circular or back-and-forth motions for even material removal.
- For best results, sand with the grain of the wood where possible.



Image: A user demonstrating proper sanding technique on a wooden surface, with the sander connected to an external dust collection system.

MAINTENANCE

Cleaning

- Regularly clean the tool's ventilation slots to prevent overheating. Use compressed air if available.
- Wipe the tool housing with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Empty the dust bag frequently to maintain optimal dust collection performance.

Sanding Pad Replacement

The 8-hole hook-and-loop sanding pad (DEWALT part number DWE64233) is replaceable. If the pad becomes worn or damaged, it can be replaced to ensure continued effective sanding. A PSA replacement pad is also available as service part number N373679.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Sander does not start.	Battery not charged or not inserted correctly.	Ensure battery is fully charged and properly seated.
Poor dust collection.	Dust bag full or improperly attached; dust port clogged.	Empty dust bag. Reattach securely. Clear any blockages from the dust port.

Problem	Possible Cause	Solution
Excessive vibration.	Sanding paper improperly attached or worn; damaged sanding pad.	Realign or replace sanding paper. Inspect and replace sanding pad if damaged.
Sander slows down under load.	Applying too much pressure; battery low.	Reduce pressure. Recharge or replace battery.

SPECIFICATIONS

Attribute	Value
Model Number	DCW210B
Voltage	20 Volts MAX*
Power Source	Battery Powered
Orbital Speed	8,000 - 12,000 OPM (Orbits Per Minute)
Sanding Pad Diameter	5 inches
Sanding Pad Type	8-hole Hook-and-Loop
Item Weight	2.16 pounds (0.98 Kilograms)
Product Dimensions	8.81"L x 6.38"W x 5.75"H
Grit Type	Fine (varies by sandpaper used)
Color	Black, Yellow
Material	Blend

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18 volts.

WARRANTY INFORMATION

DEWALT offers a limited warranty for its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

SUPPORT

For technical assistance, service, or replacement parts, please contact DEWALT customer service. You can find contact information on the official DEWALT website or by referring to the documentation included with your product.

Online Resources:

- Official DEWALT Website: www.dewalt.com
- User Manual (PDF): [Download PDF Manual](#)

© 2024 DEWALT. All rights reserved. Specifications are subject to change without notice.