

## BLACK+DECKER BDERO100

# BLACK+DECKER 5-Inch Random Orbital Sander Instruction Manual

Model: BDERO100

Brand: BLACK+DECKER

[Overview](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty &](#)

[Support](#)

## 1. PRODUCT OVERVIEW

The BLACK+DECKER 5 Inch Random Orbit Sander is designed to provide a high-quality, swirl-free finish on various surfaces. Powered by a 2.0 amp corded electric motor, it delivers 12000 OPM (orbits per minute) for efficient material removal. This tool is suitable for preparing surfaces, shaping wood, and removing paint, stains, and varnish from wood, metal, and plastic.

### Key Features:

- **High Performance:** 2.0 Amp corded electric random orbit sander for a swirl-free finish.
- **High Efficiency:** Delivers 12000 OPM (orbits per minute) to quickly sand material.
- **Lightweight & Compact:** Designed to fit in tight spaces for versatile sanding.
- **Dust Collection System:** Features a built-in dust collection bag to keep your workspace clean.
- **Comfort Grip Handle:** Reduces fatigue and enhances control during use.
- **Random Orbital Action:** Ensures high removal rate and a high-quality finish.
- **Hook and Loop System:** Allows for fast and easy paper changes.
- **Dust Sealed Switch:** Protects the switch from dust and debris.



*Figure 1: The BLACK+DECKER 5-Inch Random Orbital Sander, showcasing its compact design and attached dust bag.*

## **2. SETUP AND ASSEMBLY**

---

### **2.1 Attaching Sandpaper**

The sander utilizes a hook-and-loop system for quick and easy sandpaper changes. Ensure the sanding disc is aligned properly with the base of the sander before pressing firmly to secure it.



Random orbital action for high removal rate + quality finish



Figure 2: The hook-and-loop system on the sander's base for easy sandpaper attachment.

## 2.2 Attaching Dust Collection Bag

To maintain a clean workspace, attach the dust collection bag to the sander's dust port. Align the grooves on the bag's canister with the tabs on the dust port and slide the canister into the port. Turn the canister clockwise to lock it in place. Ensure it is securely fastened before operation.



*Figure 3: The dust collection bag attached to the sander.*

### **3. OPERATING INSTRUCTIONS**

---

#### **3.1 Powering On/Off**

To turn the tool ON, hold it as shown in Figure 4 and push the portion of the switch marked "I". To turn the tool OFF, push the portion of the switch marked "O".



*Figure 4: Top view of the sander showing the power switch.*

### **3.2 Sanding Technique**

Grasp the sander firmly and turn it ON. Move it in long, sweeping strokes along the surface, letting the tool do the work. Applying downward pressure will slow the removal rate and may affect the finish quality. This sander is capable of removing material rapidly with minimal effort.



## Comfort **GRIP**

*Figure 5: Demonstrating the comfort grip for enhanced control.*



*Figure 6: Sander in use, illustrating efficient material removal.*

## **4. MAINTENANCE**

---

### **4.1 Dust Bag Emptying**

Regularly empty the dust collection bag to ensure optimal performance and maintain a clean workspace. To remove the canister, turn it counterclockwise and slide it off. Dispose of the collected dust and debris appropriately.

## OPERATING INSTRUCTIONS

**⚠ WARNING:** To reduce the risk of serious personal injury, read, understand and follow all important safety warnings and instructions prior to using this tool.

### SWITCH

To turn the tool ON, hold it as shown in **Figure C** and push the portion of the switch (1) marked "I". To turn the tool off, push the portion of the switch marked "O"



### OPERATION

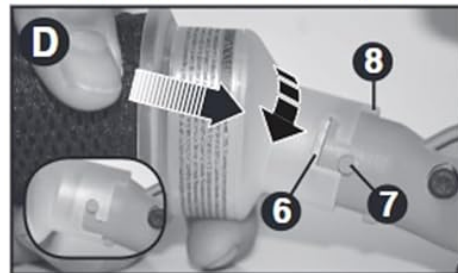
Grasp the sander and turn it ON. Move it in long, sweeping strokes along the surface, letting it do the work. Pushing down on the tool while sanding actually slows the removal rate and produces an inferior quality finish. Check your work often. This sander is capable of removing material rapidly.

### DUST COLLECTION (FIGURE D)

**⚠ WARNING:** Collected sanding dust from sanding surface coatings (polyurethane, linseed oil, etc.) can self-ignite in sander dust bag or elsewhere and cause fire. To reduce risk, empty bag frequently and strictly follow sander manual and coating manufacturer's instructions.

Your sander comes equipped with a cloth canister (4) to collect the dust generated while sanding.

- To attach the canister to the sander, line up the grooves (6) in the canister (4) with the nubs (7) on the dust port (3). Ensure the longer side (8) of the canister opening is on the top side of the port.
- Slide the canister onto the dust port and turn the canister clockwise to lock it in place as shown in the **insert of Figure D**.
- To remove, turn the canister counterclockwise and slide the canister off.
- To empty the canister, remove it from the dust port and dump the sanding debris into an appropriate trash receptacle.



## TROUBLESHOOTING

### Problem

- Unit will not start.

### Possible Cause

- Cord not plugged in.
- Circuit fuse is blown.
- Circuit breaker is tripped.
- Cord or switch is damaged.

### Possible Solution

- Plug tool into a working outlet.
- Replace circuit fuse.
- (If the product repeatedly causes the circuit fuse to blow, discontinue use immediately and have it serviced at a BLACK+DECKER service center or authorized servicer.)
- Reset circuit breaker. (If the product repeatedly causes the circuit breaker to trip, discontinue use immediately and have it serviced at a BLACK+DECKER service center or authorized servicer.)
- Have cord or switch replaced at BLACK+DECKER Service Center or Authorized Servicer.

- Dust is not being collected.

- Sandpaper holes do not align.
- Dust canister is full.

- Use Mouse® sandpaper with the appropriate hole configuration.
- Separate dust canister and gently shake or tap to empty.

Figure 7: Diagram showing the dust collection system and how to attach/detach the canister.

## 4.2 General Cleaning

After each use, wipe down the exterior of the sander with a clean, damp cloth. Ensure all ventilation openings are clear of dust and debris to prevent overheating. Do not use harsh chemicals or abrasive cleaners.

## 5. TROUBLESHOOTING

Refer to the table below for common issues and their possible solutions.

Problem	Possible Cause	Possible Solution
Unit will not start.	Cord not plugged in. Circuit fuse is blown. Circuit breaker is tripped. Cord or switch is damaged.	Plug tool into a working outlet. Replace circuit fuse. Reset circuit breaker. If the product repeatedly causes the circuit breaker to trip, discontinue use immediately and have it serviced at a BLACK+DECKER service center or authorized servicer. Have cord or switch replaced at BLACK+DECKER Service Center or Authorized Servicer.
Dust is not being collected.	Sandpaper holes do not align. Dust canister is full.	Use MOUSE™ sandpaper with the appropriate hole configuration. Separate dust canister and gently shake or tap to empty.

## 6. PRODUCT SPECIFICATIONS

Specification	Value
Brand	BLACK+DECKER
Model Number	BDERO100
Product Dimensions	7"L x 5"W x 6"H
Item Weight	3.16 Pounds
Power Source	Corded Electric
Voltage	120 Volts
AC Adapter Current	5 Amps
Maximum Rotational Speed	12000 RPM (OPM)
Disc Diameter	5 inches
Grit Type (Included)	Fine (60 Grit)
Included Components	(1) BDERO100 Sander, (1) Sanding Sheet, (1) Dust Bag

## 7. WARRANTY AND SUPPORT

## 7.1 Warranty Information

This BLACK+DECKER product is covered by a **2-year limited manufacturer's warranty**. Please refer to the warranty card included with your product for full terms and conditions.

## 7.2 Customer Support

For further assistance, technical support, or to inquire about replacement parts, please visit the official BLACK+DECKER website or contact their customer service department. You can also refer to the official User Manual (PDF) for additional details:

[Download Official User Manual  
\(PDF\)](#)