

BLACK+DECKER DR200

BLACK+DECKER DR200 4-Amp 3/8-Inch Variable Speed/Reversing Drill User Manual

Model: DR200 | Part Number: DB1002B

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and care of your BLACK+DECKER DR200 4-Amp 3/8-Inch Variable Speed/Reversing Drill. Please read these instructions thoroughly before using the tool and retain them for future reference.

The DR200 drill is a versatile corded electric tool designed for drilling into wood, metal, and plastics, as well as for driving and removing screws. Its features include a 4-amp high-power motor, variable speed control, a convenient mid-handle design, a lock-on button for continuous use, and a keyless chuck for quick bit changes.

2. SAFETY INFORMATION

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

- **Work Area Safety:** Keep your work area clean and well-lit. Cluttered or dark areas invite accidents. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- **Electrical Safety:** Power tool plugs must match the outlet. Never modify the plug in any way. Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the power tool. Keep cord away from heat, oil, sharp edges, or moving parts.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating for extended periods. Dress properly; avoid loose clothing or jewelry. Secure long hair.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your BLACK+DECKER DR200 drill.



Figure 1: The BLACK+DECKER DR200 4-Amp 3/8-Inch Variable Speed/Reversing Drill. This image shows the orange and black corded drill, highlighting its keyless chuck, variable speed trigger, and ergonomic mid-handle design.

- **Keyless Chuck:** For quick and easy bit changes without a chuck key.
- **Variable Speed Trigger:** Controls the drilling speed based on pressure applied.
- **Forward/Reverse Switch:** Changes the direction of rotation for drilling or screw driving/removal.
- **Lock-On Button:** Allows for continuous operation without holding the trigger.
- **Mid-Handle Design:** Provides comfortable grip and balance during use.
- **Power Cord:** For connecting to an electrical outlet.

4. SETUP

4.1 Attaching and Removing Drill Bits

1. **To Attach:** Ensure the drill is unplugged. Grasp the rear half of the chuck and rotate the front half counter-clockwise until the chuck jaws are open wide enough to accept the drill bit. Insert the bit fully into the chuck. Rotate the front half of the chuck clockwise until the bit is securely tightened.
2. **To Remove:** Ensure the drill is unplugged. Grasp the rear half of the chuck and rotate the front half counter-clockwise to loosen the chuck jaws. Remove the drill bit.

Note: For optimal performance and to prevent bit slippage, ensure the bit is inserted as far as possible and tightened firmly in the keyless chuck. Hex-based drill bits are recommended for applications requiring high torque, such as with hole saws, to prevent spinning in the chuck.

4.2 Power Connection

This is a corded electric drill. Connect the power cord to a standard electrical outlet. Ensure the outlet provides the correct voltage as specified on the tool's rating label.

5. OPERATING THE DRILL

5.1 Variable Speed Control

The drill features a variable speed trigger. The speed of the drill is controlled by the amount of pressure applied to the trigger. Pressing the trigger lightly results in lower speeds, while pressing it fully results in maximum speed. This allows for precise control during drilling and screw driving.

5.2 Forward/Reverse Operation

The forward/reverse switch is located above the trigger. Push the switch to the left for forward rotation (drilling and driving screws). Push the switch to the right for reverse rotation (removing screws or backing out drill bits). Always ensure the drill has come to a complete stop before changing the direction of rotation.

5.3 Lock-On Button

For continuous operation, press the trigger fully and then depress the lock-on button located on the side of the handle. To release the lock, simply press the trigger again.

5.4 Drilling Techniques

- Always secure your workpiece to prevent it from moving.
- Start drilling at a slow speed to prevent the bit from wandering, then increase speed as the bit engages the material.
- Apply steady, even pressure. Do not force the drill.
- When drilling deep holes, periodically withdraw the bit to clear chips and allow the bit to cool.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drill.

- **Cleaning:** Keep the ventilation slots clear and free of dust. Use a soft brush or dry cloth to clean the tool. Do not use water or chemical cleaners.
- **Cord Inspection:** Regularly inspect the power cord for any damage, cuts, or fraying. If damaged, have it repaired by a qualified service technician.
- **Storage:** Store the drill in a dry, secure location out of reach of children.
- **Lubrication:** This tool is factory lubricated and requires no additional lubrication.

7. TROUBLESHOOTING

If your drill is not operating correctly, refer to the following common issues and solutions:

- **Drill does not start:**
 - Check if the power cord is securely plugged into a working outlet.
 - Ensure the forward/reverse switch is not in the center (locked) position.
 - Check for tripped circuit breakers or blown fuses.
- **Bit slips in chuck:**
 - Ensure the chuck is tightened securely.
 - Verify the drill bit shank is clean and free of oil or debris.
 - Consider using hex-shank bits for high-torque applications.
- **Excessive vibration or noise:**
 - Check if the drill bit is bent or damaged; replace if necessary.
 - Ensure the bit is properly seated and tightened in the chuck.

If problems persist, contact BLACK+DECKER customer service or an authorized service center.

8. SPECIFICATIONS

Feature	Specification
Manufacturer	Black & Decker
Model Number	DR200 (DB1002B)
Power Source	Corded Electric
Amperage	4 Amps
Maximum Power	1800 Watts
Speed	1350 RPM
Maximum Chuck Size	0.38 Inches (3/8-Inch)
Special Features	Variable Speed
Material	Metal
Product Dimensions	26.67 x 7.62 x 29.72 cm; 1.61 kg

9. WARRANTY AND SUPPORT

This BLACK+DECKER DR200 drill comes with a **Two-Year Home Use Warranty**. For warranty claims, technical support, or service inquiries, please refer to the contact information provided with your purchase or visit the official BLACK+DECKER website.