DEWALT DWD110KR

DEWALT DWD110KR 7 Amp Variable Speed Corded Drill Instruction Manual

Model: DWD110KR

1. Product Overview

The DEWALT DWD110KR is a 7 Amp variable speed corded drill designed for various drilling and fastening applications. It features a pistol grip design, a 3/8-inch keyless chuck, and a powerful motor for efficient performance. This manual provides essential information for the safe and effective use of your drill.



Image 1.1: The DEWALT DWD110KR 7 Amp Variable Speed Corded Drill, showcasing its ergonomic design and keyless chuck.

2. General Safety Information

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

2.1 Electrical Safety

- Ensure the power cord is undamaged and suitable for the tool's voltage (120 Volts).
- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

2.2 Personal Safety

- Always wear eye protection (safety glasses or goggles) and hearing protection.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- Stay alert, watch what you are doing, and use common sense when operating a power tool.

3. Setup

3.1 Chuck Operation (Keyless Chuck)

The DWD110KR drill is equipped with a 3/8-inch ratcheting keyless chuck for quick and easy bit changes.

1. **To Insert a Drill Bit:** 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 bit. Insert the bit fully into the chuck. Grasp the rear half of the chuck and rotate the front half clockwise until the bit is securely tightened. The ratcheting mechanism will click as it tightens.
2. **To Remove a Drill Bit:** Grasp the rear half of the chuck and rotate the front half counter-clockwise until the chuck jaws release the bit.



Image 3.1: Close-up view of the 3/8-inch ratcheting keyless chuck, illustrating the textured grip for bit insertion and removal.

4. Operating Instructions

4.1 Powering On/Off

The drill is activated by pressing the variable speed trigger switch. To turn the drill off, release the trigger switch.

4.2 Variable Speed Control

The DWD110KR features a variable speed trigger, allowing you to control the drilling speed from 0 to 2,500 RPM. The speed is proportional to how far the trigger is depressed. This allows for precise control, especially when starting a hole or driving fasteners.

4.3 Drilling Techniques

- Always secure your workpiece to prevent it from rotating during drilling.
- Start drilling at a low speed to prevent the bit from walking, then increase speed as the bit engages the material.
- Apply steady, even pressure. Do not force the drill.
- For deep holes, periodically withdraw the bit to clear chips and allow the bit to cool.
- When drilling metal, use a cutting lubricant to extend bit life and improve cutting efficiency.



Image 4.1: A user demonstrating the DEWALT DWD110KR drill in operation, boring a hole into a metal workpiece.

5. Maintenance

Regular maintenance ensures optimal performance and extends the life of your DEWALT DWD110KR drill.

- **Cleaning:** Keep the tool's air vents clean to prevent overheating. Use a clean, dry cloth to wipe down the exterior. Do not use solvents or harsh chemicals.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, cuts, or fraying. Replace damaged cords immediately.
- **Chuck Inspection:** Check the chuck jaws for wear or damage. Ensure they open and close smoothly.
- **Storage:** Store the drill in a dry, secure location, out of reach of children.

6. Troubleshooting

This section addresses common issues you might encounter with your DEWALT DWD110KR drill.

Problem	Possible Cause	Solution
Drill does not start	No power supply; Damaged cord; Faulty switch	Check power outlet; Inspect cord for damage; Contact service for switch replacement
Loss of power during operation	Overload; Low voltage; Motor issue	Reduce pressure; Check power source; Allow tool to cool; Contact service
Chuck not holding bit securely	Bit not fully inserted; Chuck jaws worn or dirty	Re-insert bit and tighten firmly; Clean chuck jaws; Replace chuck if worn
Excessive vibration or noise	Bent drill bit; Internal component issue	Replace bent bit; Contact service for inspection

7. Technical Specifications

Detailed specifications for the DEWALT DWD110KR drill.

Feature	Specification
Model Number	DWD110KR
Power Source	Corded Electric
Amperage	7 Amps
Voltage	120 Volts
Maximum Rotational Speed	0-2500 RPM (Variable Speed)
Chuck Size	3/8 inch (Keyless)
Product Dimensions	10.5"L x 3.5"H
Item Weight	5.35 pounds
Special Feature	Heavy-Duty, All Ball-Bearing Construction

8. Warranty and Support

8.1 Warranty Information

This DEWALT DWD110KR drill comes with a 90-day limited warranty. Please refer to the warranty card included with your purchase for specific terms and conditions. This warranty covers defects in materials and workmanship under normal use.

8.2 Customer Support

For technical assistance, service, or replacement parts, please contact DEWALT customer support. Keep your purchase receipt and model number (DWD110KR) available when contacting support.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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