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BLACK+DECKER BDCDD18N-XJ

BLACK+DECKER 18V Cordless Drill Driver

MODEL: BDCDD18N-XJ

User Instruction Manual

1. INTRODUCTION

Thank you for choosing the BLACK+DECKER BDCDD18N-XJ 18V Cordless Drill Driver. This tool is designed for a variety of drilling and screwdriving tasks in wood and metal, making it an essential addition to any DIY enthusiast's toolkit. Its compact and lightweight design ensures ease of use, while its powerful motor provides efficient performance for tasks such as assembling furniture, hanging pictures, installing shelves, and more. This manual provides important information on the safe and proper use, maintenance, and troubleshooting of your drill driver.



Figure 1.1: The BLACK+DECKER 18V Cordless Drill Driver, showcasing its ergonomic design and key features.

2. SAFETY INSTRUCTIONS

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

2.1 General Power Tool Safety Warnings

- **Work Area Safety:** Keep your work area clean and well lit. Cluttered or dark areas invite accidents.
- **Electrical Safety:** Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

2.2 Specific Safety Warnings for Drill Drivers

- Wear ear protectors when drilling. Exposure to noise can cause hearing loss.
- Use auxiliary handles if supplied with the tool. Loss of control can result in personal injury.
- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord.
- Always ensure the workpiece is securely clamped or held.
- Do not touch the drill bit immediately after drilling as it becomes hot.

3. PACKAGE CONTENTS

Your BLACK+DECKER 18V Cordless Drill Driver package includes the following items:

- 1 x BLACK+DECKER 18V Cordless Drill Driver (Bare Unit)
- 1 x Instruction Manual

Note: This product is a bare unit. Battery and charger are not included and must be purchased separately.

4. SETUP

4.1 Battery Installation and Removal

The BDCDD18N-XJ is part of the BLACK+DECKER 18V Cordless Platform. Ensure you use a compatible 18V Lithium-Ion battery (1.5Ah, 2.0Ah, or 4.0Ah recommended).

1. To install the battery, align the battery pack with the slot in the base of the tool. Slide the battery into the tool until it clicks securely into place.

2. To remove the battery, press the battery release button (usually located on the side of the battery pack) and slide the battery out of the tool.

4.2 Bit Installation and Removal

Your drill driver features a keyless chuck for quick and easy bit changes.

1. To install a bit, rotate the front part of the chuck counter-clockwise until the jaws are open wide enough to insert the bit.
2. Insert the drill bit or screwdriver bit fully into the chuck.
3. Rotate the front part of the chuck clockwise until the bit is securely clamped. Ensure the bit is centered.
4. To remove a bit, rotate the front part of the chuck counter-clockwise to loosen the jaws and pull the bit out.



Figure 4.1: Angled view of the drill driver, highlighting the chuck and torque collar.

4.3 Adjusting Torque Settings

The drill driver features 10 torque settings, plus a drill mode, for optimal control when screwdriving into various materials and for different screw sizes. The torque collar is located behind the chuck.

- Rotate the torque collar to select the desired setting.
- Lower numbers indicate lower torque, suitable for smaller screws or softer materials to prevent overtightening or stripping.
- Higher numbers indicate higher torque, for larger screws or harder materials.
- Select the drill symbol for drilling applications, which provides maximum torque for drilling.

4.4 Variable Speed and Forward/Reverse Switch

- **Variable Speed Trigger:** The trigger switch allows for variable speed control. Press the trigger lightly for slower speeds and press it further for higher speeds (0-650 RPM). This provides ultimate fingertip control for all drilling and screwdriving applications.
- **Forward/Reverse Switch:** The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (for drilling and tightening screws) and to the right for reverse rotation (for removing

screws or backing out bits). When the switch is in the center position, the tool is locked, preventing accidental operation.

5. OPERATING YOUR DRILL DRIVER

5.1 Drilling

1. Select the appropriate drill bit for the material and hole size.
2. Set the torque collar to the drill symbol.
3. Ensure the forward/reverse switch is in the forward position.
4. Hold the drill firmly with both hands. Position the drill bit on the workpiece.
5. Start drilling by slowly pressing the trigger, gradually increasing speed as the bit engages the material. Apply steady, even pressure.
6. For deep holes, periodically withdraw the bit to clear chips and allow the bit to cool.

5.2 Screwdriving

1. Select the appropriate screwdriver bit for the screw head type.
2. Set the torque collar to a suitable setting (refer to Section 4.3). Start with a lower setting and increase if the screw is not driving fully.
3. Ensure the forward/reverse switch is in the forward position for tightening, or reverse for loosening.
4. Place the screwdriver bit into the screw head. Apply firm, steady pressure to prevent cam-out.
5. Press the trigger to start driving the screw. The clutch will disengage when the set torque is reached, preventing overtightening.



Figure 5.1: The drill driver in use, demonstrating its application for driving screws into wood.

6. MAINTENANCE

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

6.1 Cleaning

- Keep the ventilation slots of the tool clean to prevent overheating.
- Use a soft, damp cloth to clean the exterior of the tool. Do not use abrasive cleaners or solvents.
- Periodically blow compressed air through the ventilation openings to clear dust and debris from inside the motor housing.

6.2 Storage

- Store the tool in a dry, secure place out of reach of children.
- Avoid storing the tool in direct sunlight or in areas with extreme temperatures.

6.3 Battery Care (for separately purchased batteries)

- Always charge batteries fully before first use.
- Store batteries in a cool, dry place away from direct sunlight and heat.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically if not in use.
- Use only BLACK+DECKER recommended chargers for your 18V Lithium-Ion batteries.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Tool does not start.	Battery not installed correctly. Battery discharged. Forward/reverse switch in locked (center) position.	Ensure battery is fully inserted. Charge the battery. Move the forward/reverse switch to either forward or reverse position.
Loss of power during operation.	Battery running low. Overload.	Recharge the battery. Reduce pressure on the tool; allow it to work at its own pace.
Screw head strips or overtightens.	Torque setting too high. Incorrect bit for screw.	Adjust torque collar to a lower setting. Use the correct size and type of screwdriver bit.
Drill bit gets stuck.	Excessive pressure. Incorrect bit for material.	Reduce pressure. Use the appropriate drill bit for the material. Use reverse function to free the bit.

8. SPECIFICATIONS

Technical specifications for the BLACK+DECKER BDCDD18N-XJ 18V Cordless Drill Driver:

Feature	Specification
Model Number	BDCDD18N-XJ
Voltage	18V
Power Source	Battery Powered (Lithium-Ion)
Maximum Rotational Speed	650 RPM
Maximum Torque	28 Newton Meters (Nm)
Torque Settings	10 + Drill Mode
Drilling Capacity (Wood)	25 mm
Drilling Capacity (Metal)	10 mm
Chuck Type	Keyless
Item Weight	2.2 Pounds (approx. 1 kg)
Product Dimensions (L x W x H)	7.68" x 7.28" x 2.56" (approx. 19.5cm x 18.5cm x 6.5cm)
Material	Plastic, Metal
Special Features	Variable Speed, Reverse Rotation, Anti-slip Soft Grip

9. WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high quality standards and are guaranteed for professional and home use. For detailed warranty information, please refer to the warranty card included with your purchase or visit the official BLACK+DECKER website.

9.1 Customer Support

If you have any questions, require assistance, or need to arrange for service, please contact BLACK+DECKER customer support:

- **Website:** Visit the official BLACK+DECKER website for FAQs, product registration, and service center locations.
- **Phone:** Refer to your product packaging or the BLACK+DECKER website for regional customer service contact numbers.

Please have your model number (BDCDD18N-XJ) and purchase date ready when contacting support.

