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BLACK+DECKER BDCDC18BAST-QW

BLACK+DECKER 18V Li-Ion Cordless Drill Driver Instruction Manual

Model: BDCDC18BAST-QW

Brand: BLACK+DECKER

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your BLACK+DECKER 18V Li-Ion Cordless Drill Driver (Model: BDCDC18BAST-QW). Please read this manual thoroughly before using the tool to ensure proper handling and to prevent injury or damage.

The BLACK+DECKER BDCDC18 cordless drill driver features a 10 mm chuck, designed for various drilling and screwing tasks in wood and metal. It offers 10 torque positions for precise screwing and a variable speed trigger (0 to 650 rpm) for optimal control. With a maximum torque of 30 Nm, it can drill up to 25 mm in wood and 10 mm in metal. Powered by a lithium-ion battery, it offers fade-free power and minimal self-discharge.

WHAT'S IN THE BOX

Your BLACK+DECKER 18V Li-Ion Cordless Drill Driver package includes the following components:

- BLACK+DECKER 18V Cordless Drill Driver
- 2 x 18V 1.5Ah Lithium-Ion Batteries
- Battery Charger
- 160 Accessories (various drill bits, screwdriver bits, etc.)
- Storage Case



Image: Contents of the BLACK+DECKER 18V Li-Ion Cordless Drill Driver kit, including the drill, two batteries, charger, and a wide array of 160 accessories, all neatly organized within the storage case.

SETUP

1. Charging the Battery

Before first use, fully charge the battery. Connect the charger to a standard power outlet. Slide the battery pack onto the charger until it clicks into place. The charging indicator light will show the charging status. A full charge typically takes approximately 3-5 hours. Always use the BLACK+DECKER charger supplied with your tool.

2. Installing/Removing the Battery

To install the battery, align the battery pack with the receptacle on the tool and slide it in until it locks securely. To remove, press the battery release button (usually located on the front or sides of the battery) and slide the battery pack out.

3. Installing/Removing Drill Bits or Screwdriver Bits

1. Ensure the tool is switched off and the battery is removed for safety.
2. Rotate the chuck collar counter-clockwise to open the chuck jaws.
3. Insert the desired drill bit or screwdriver bit into the chuck, ensuring it is centered.
4. Rotate the chuck collar clockwise to tighten the jaws firmly around the bit. Hand-tighten only; do not use a wrench.
5. To remove, rotate the chuck collar counter-clockwise and pull the bit out.

OPERATING INSTRUCTIONS

1. Powering On/Off and Variable Speed Control

The tool is activated by pressing the trigger switch. The speed is variable; the further the trigger is pressed, the faster the tool operates. Release the trigger to turn the tool off. The integrated LED light illuminates the work area when the trigger is pressed.

2. Forward/Reverse Selector

A slide switch located above the trigger controls the direction of rotation. Push the switch to the left for forward rotation (for drilling and screwing in). Push it to the right for reverse rotation (for unscrewing). Position the switch in the center to lock the trigger and prevent accidental starting.

3. Torque Adjustment

The torque collar, located behind the chuck, allows you to select from 10 torque settings plus a drilling mode. Rotate the collar to align the desired setting with the indicator arrow. Lower numbers are for driving small screws or working with soft materials, while higher numbers and the drill symbol are for drilling or driving large screws into harder materials.

- **Screwing:** Select a lower torque setting to prevent over-tightening or damaging the screw head/material. Increase the setting if the screw is not driven deep enough.
- **Drilling:** Always select the drill symbol setting for drilling operations to achieve maximum power.



Image: A woman wearing safety glasses demonstrates the use of the BLACK+DECKER cordless drill driver for screwing into a wooden fence post, highlighting its ergonomic design and ease of use for outdoor tasks.



Image: A man uses the BLACK+DECKER cordless drill driver to drill into wooden stairs, showcasing its versatility for various home improvement projects.



Image: A close-up view of a hand operating the BLACK+DECKER cordless drill driver to install a cabinet hinge, illustrating its precision for detailed work.

MAINTENANCE

1. General Cleaning

Keep the ventilation slots of the tool clean to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use abrasive cleaners or solvents. Regularly remove dust and debris from the chuck and motor housing.

2. Battery Care and Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically if not in use.
- Protect battery terminals from short-circuiting.
- Dispose of old batteries responsibly according to local regulations.

3. Accessory Maintenance

Keep drill bits and screwdriver bits clean and sharp for optimal performance. Replace worn or damaged accessories promptly.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly inserted. Forward/reverse selector in center (locked) position.	Ensure battery is fully charged and securely inserted. Move forward/reverse selector to either forward or reverse position.
Reduced power or speed.	Battery charge is low. Tool is overloaded.	Recharge the battery. Reduce pressure on the tool; allow it to work at its own pace.
Screw head stripping or not driving fully.	Incorrect torque setting. Worn or incorrect screwdriver bit.	Increase torque setting. Use the correct type and size of screwdriver bit; replace if worn.
Drill bit slipping in chuck.	Chuck not tightened sufficiently.	Ensure the chuck is hand-tightened firmly around the drill bit.

SPECIFICATIONS

Feature	Specification
Model Number	BDCDC18BAST-QW
Voltage	18 Volts
Battery Type	Lithium-Ion
Battery Capacity	1.5 Ah
Maximum Rotational Speed	650 RPM
Maximum Torque	20 Newton Meters (Nm)
Chuck Size	10 Millimeters
Drilling Capacity (Wood)	25 Millimeters
Drilling Capacity (Metal)	10 Millimeters
Item Weight	1.2 Kilograms (2.64 pounds)
Included Components	Drill-Driver, 2 batteries, Battery Charger, 160 accessories

WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high quality standards and are guaranteed for professional and home use. For detailed warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official BLACK+DECKER website. Keep your purchase receipt as proof of purchase. For further assistance, you may contact BLACK+DECKER customer service through their official channels.



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