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BLACK+DECKER BCD001C1-GB

BLACK+DECKER 18V Cordless Drill Driver User Manual

Model: BCD001C1-GB

INTRODUCTION

Thank you for choosing the BLACK+DECKER 18V Cordless Drill Driver. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your tool. Please read this manual thoroughly before first use and keep it for future reference.



Image: The BLACK+DECKER 18V Cordless Drill Driver, showcasing its compact design and 18V battery.

IMPORTANT SAFETY INFORMATION

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

- Wear appropriate personal protective equipment, including safety glasses and hearing protection.
- Ensure the work area is well-lit and clear of obstructions.
- Keep children and bystanders away while operating the tool.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Always disconnect the battery pack before making any adjustments, changing accessories, or storing the tool.
- Use the correct tool for your application. Do not force the tool.

SETUP AND INITIAL USE

Package Contents:

Your BLACK+DECKER 18V Cordless Drill Driver package should include:

- Drill Driver
- 1.5Ah Lithium-Ion Battery
- 400mA Charger

Charging the Battery:

The battery pack is shipped partially charged. Before first use, fully charge the battery. The charger is designed to charge the 1.5Ah Lithium-Ion battery.

1. Connect the charger to a standard electrical outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow the battery to charge until the indicator light on the charger signals a full charge (refer to charger instructions for specific light patterns).
4. Once fully charged, remove the battery from the charger.

Troubleshooting

Problem	Possible cause	Possible solution
Unit will not start.	Battery pack not charged.	Check battery pack charging requirements
Battery pack will not charge.	Charger not plugged in. Surrounding air temperature too hot or too cold.	Plug charger into a working outlet. Move charger and battery pack to a surrounding air temperature of above 40 degrees F (45°C) or below 105 degrees F (+40.5°C)
Unit shuts off abruptly.	Battery pack has reached its maximum thermal limit. Out of charge. (To maximize the life of the battery pack it is designed to shutoff abruptly when the charge is depleted)	Allow battery pack to cool down. Place on charger and allow to charge.

Image: The 1.5Ah Lithium-Ion battery connected to its 400mA charger, ready for charging.

Attaching the Battery:

To attach the battery pack to the tool, align the battery with the tool's handle and slide it in until it locks securely into place. To remove, press the release button and slide the battery out.

OPERATING INSTRUCTIONS

Powering On/Off and Variable Speed Trigger:

The tool is activated by pressing the variable speed trigger. The speed of the drill is controlled by how far you depress the trigger. Pressing further increases the speed, allowing for precise control over drilling and driving applications.

Adjusting Torque and Clutch Positions:

The drill driver features 10 clutch positions, allowing you to adjust the torque output for different materials and screw sizes. This helps prevent over-driving screws and damaging materials.

1. Rotate the torque collar located behind the chuck to select the desired setting.
2. Lower numbers indicate lower torque for smaller screws or softer materials.
3. Higher numbers provide more torque for larger screws or harder materials.
4. The drill setting (indicated by a drill bit icon) provides maximum torque for drilling applications.



Image: Close-up view of the drill's torque collar, showing the numbered settings for precise torque adjustment.

Changing Drill Bits/Screwdriver Bits:

The keyless chuck allows for quick and easy bit changes.

1. To open the chuck, rotate the front part of the chuck counter-clockwise.
2. Insert the desired drill bit or screwdriver bit fully into the chuck.
3. Rotate the front part of the chuck clockwise to tighten it securely around the bit. Ensure the bit is centered and firmly gripped.

Using the LED Worklight:

The integrated LED worklight illuminates the work area when the trigger is pressed, providing improved visibility in dimly lit spaces.

Drilling Applications:

This drill driver is capable of drilling holes up to 25mm in wood and 10mm in metal.

- For wood: Select a suitable wood drill bit. Apply steady, even pressure.

- For metal: Select a suitable metal drill bit. Use a slower speed and apply cutting oil if necessary to prevent overheating.



Image: The drill driver in action, drilling a hole into a wooden beam, demonstrating its drilling capability.



Image: The drill driver being used to drill into a metal surface, highlighting its versatility for different materials.

Screwdriving Applications:

The 37Nm torque and adjustable clutch make this tool ideal for driving screws.

- Select the appropriate screwdriver bit for the screw head.
- Adjust the torque setting to match the screw size and material to prevent stripping the screw head or damaging the workpiece.
- Apply firm, steady pressure to the tool, keeping it in line with the screw.



Image: The drill driver being used to drive a screw into a piece of furniture, demonstrating its screwdriving function.

MAINTENANCE

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

Cleaning:

- Always disconnect the battery pack before cleaning.
- Use a clean, damp cloth to wipe down the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

Battery Care and Storage:

- Store battery packs in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store Lithium-Ion batteries at a partial charge (around 50%).
- Do not store the battery pack with metal objects that could short the terminals.

General Storage:

Store the drill driver and its accessories in a secure, dry location, out of reach of children.

TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your drill driver.



Image: A troubleshooting guide table for common issues with the drill driver.

Troubleshooting Guide

Problem	Possible Cause	Possible Solution
Unit will not start.	Battery pack not charged.	Check battery pack charging requirements.
Battery pack will not charge.	Charger not plugged in.	Plug charger into a working outlet.
	Surrounding air temperature too hot or too cold.	Move charger and battery pack to a surrounding air temperature of above 40 degrees F (45°C) or below 105 degrees F (+40.5°C).
Unit shuts off abruptly.	Battery pack has reached its maximum thermal limit.	Allow battery pack to cool down.
	Out of charge. (To maximize the life of the battery pack it is designed to shutoff abruptly when the charge is depleted.)	Place on charger and allow to charge.

TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	BCD001C1-GB
Voltage	18 Volts
Battery Type	Lithium Ion
Battery Capacity	1.5 Amp Hours
Maximum Torque	37 Newton Meters

Feature	Specification
Maximum Rotational Speed	600 RPM
Drilling Capacity (Wood)	25mm
Drilling Capacity (Metal)	10mm
Clutch Positions	10 + Drill Setting
Special Features	Adjustable torque, built-in LED work light
Product Dimensions	19.05 x 12 x 20 cm
Item Weight	1.6 kg

WARRANTY AND SUPPORT

BLACK+DECKER products are manufactured to high quality standards and are guaranteed for professional and domestic use. For specific warranty details and terms, please refer to the warranty card included with your product or visit the official BLACK+DECKER website.

Official Website: www.blackanddecker.co.uk

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This manual is for informational purposes only. Specifications are subject to change without notice.