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Crown CT21056LBMC

Crown CT21056LBMC 18V Cordless Drill Driver

User Instruction Manual

Model: CT21056LBMC | Brand: Crown

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your Crown CT21056LBMC 18V Cordless Drill Driver. Please read these instructions carefully before using the tool and keep them for future reference. This drill driver is designed for drilling into wood, metal, and plastics, and for driving screws.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions to reduce the risk of fire, electric shock, and personal injury when operating 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:** Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges, and refrigerators. Do not expose power tools to rain or wet conditions.
- **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 battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Pack Safety:** Recharge only with the charger specified by the manufacturer. Do not incinerate the battery pack even if it is severely damaged.

3. PACKAGE CONTENTS

Carefully unpack all items and check against the list below. If any parts are missing or damaged, contact your retailer.

- 1 x Crown CT21056LBMC Cordless Drill Driver
- 2 x 18V Lithium-Ion Batteries (1.5 Ah)
- 1 x Battery Charger
- 1 x Instruction Manual (this document)
- 1 x Carrying Case



Image 1: The complete Crown CT21056LBMC kit, showing the drill driver, two batteries, charger, and the durable carrying case.

4. PRODUCT OVERVIEW

Familiarize yourself with the components of your drill driver before operation.



Image 2: Side view of the drill driver, illustrating key components such as the chuck, torque adjustment collar, speed selector switch, and trigger.

1. **Keyless Chuck:** For quick and easy bit changes.
2. **Torque Adjustment Collar:** Selects the desired torque setting for driving screws or drill mode.
3. **Speed Selector Switch:** Allows selection between two mechanical speed ranges.
4. **Forward/Reverse Switch:** Changes the rotation direction of the chuck.
5. **Trigger Switch:** Activates the drill and controls speed.
6. **LED Work Light:** Illuminates the work area.
7. **Battery Pack:** Provides power to the tool.
8. **Battery Release Button:** For removing the battery pack.

5. SETUP

5.1. Charging the Battery

The battery pack is not fully charged at the time of purchase. It must be fully charged before first use.

1. Connect the charger to a standard power outlet.
2. Slide the battery pack onto the charger base. Ensure it clicks into place.
3. The charging indicator light on the charger will show the charging status. A full charge takes approximately 45 minutes for a 1.5 Ah battery.
4. Once fully charged, disconnect the battery from the charger and unplug the charger from the outlet.

5.2. Installing and Removing the Battery Pack

- **To Install:** Align the battery pack with the base of the drill driver and slide it in until it clicks securely into place.
- **To Remove:** Press the battery release button and slide the battery pack out from the tool.



Image 3: The drill driver with a fully installed battery pack, ready for use.

5.3. Installing and Removing Drill Bits/Driver Bits

1. Rotate the keyless chuck counter-clockwise to open the jaws.
2. Insert the drill bit or driver bit into the chuck, ensuring it is centered.
3. Rotate the keyless chuck clockwise to tighten the jaws firmly around the bit. Do not overtighten.
4. To remove, rotate the chuck counter-clockwise until the bit can be pulled out.

6. OPERATING INSTRUCTIONS

6.1. Selecting Speed

The drill driver features two mechanical speed settings:

- **Speed 1 (Low Speed, 0-350 RPM):** Ideal for driving screws, larger drilling diameters, or applications requiring higher torque.
- **Speed 2 (High Speed, 0-1350 RPM):** Suitable for smaller drilling diameters and faster drilling.

To change speed, slide the speed selector switch located on top of the drill. Ensure the tool is stopped before changing speeds.

6.2. Adjusting Torque

The torque adjustment collar has 18 torque settings plus a drill mode (indicated by a drill bit symbol).

- **Torque Settings (1-18):** Use these settings for driving screws. Lower numbers are for smaller screws or softer materials, higher numbers for larger screws or harder materials. The clutch will disengage when the set torque is reached, preventing overtightening or stripping.
- **Drill Mode (Drill Bit Symbol):** Provides maximum torque for drilling applications without the clutch disengaging.

Rotate the torque adjustment collar to select the desired setting.

6.3. Forward/Reverse Rotation

The forward/reverse switch is located above the trigger. Push it to the left for forward rotation (for drilling and driving screws) and to the right for reverse rotation (for removing screws or freeing jammed bits). Position the switch in the center to lock the trigger and prevent accidental starting.

6.4. Operating the Trigger Switch and LED Light

Squeeze the trigger switch to start the drill. The speed is variable depending on how far the trigger is pressed. The integrated LED work light will illuminate when the trigger is pressed, providing visibility in dimly lit areas.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your tool.

- **Cleaning:** Keep the ventilation openings clear and free of dust. Use a soft, damp cloth to clean the tool casing. Do not use solvents or abrasive cleaners.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- **Storage:** Store the drill driver, batteries, and charger in the provided carrying case in a dry, secure location out of reach of children.
- **Inspection:** Regularly inspect the power tool for any signs of damage, loose screws, or worn parts. If damage is found, have it repaired by a qualified service technician.

8. TROUBLESHOOTING

Before attempting any repairs, ensure the battery is removed from the tool.

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed. Forward/Reverse switch in center (locked) position.	Charge battery fully and ensure it is securely installed. Move Forward/Reverse switch to either forward or reverse position.
Battery not charging	Charger not plugged in. Battery or charger is faulty.	Check power connection. If problem persists, contact customer support for replacement.
Loss of power during operation	Battery is low. Overload protection activated.	Recharge the battery. Reduce pressure on the tool or use a lower speed setting.
Bit slips in chuck	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Retighten chuck firmly. Clean or replace the bit.

9. SPECIFICATIONS

Feature	Specification
Model Number	CT21056LBMC
Voltage	18 Volts
Battery Type	Lithium-Ion
Battery Capacity	1.5 Ah

Feature	Specification
Chuck Capacity	1.5 - 13 mm
No-Load Speed (Speed 1)	0 - 350 RPM
No-Load Speed (Speed 2)	0 - 1350 RPM
Max Torque	4 Newton-Meter (Nm)
Clutch Positions	18 + 1 (Drill Mode)
Charging Time	Approx. 45 minutes
Product Dimensions	20.5 x 5 x 20 cm
Product Weight	1.54 kg
Special Features	Integrated LED Work Light

10. WARRANTY AND SUPPORT

For warranty information, service, or technical support, please refer to the warranty card included with your product or contact your point of purchase. Keep your purchase receipt as proof of purchase for any warranty claims.

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