

Ingco CDLI12428

Ingco CDLI12428 Lithium-ion Cordless Drill User Manual

Model: CDLI12428

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Ingco CDLI12428 Lithium-ion Cordless Drill. Please read this manual thoroughly before using the tool and retain it for future reference.

2. SAFETY INSTRUCTIONS

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

General Power Tool Safety Warnings

- **Work Area Safety:** Keep the 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. Do not expose power tools to rain or wet conditions.
- **Personal Safety:** Always wear eye protection. Use hearing protection when operating noisy tools. Dress properly; avoid loose clothing or jewelry.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools.
- **Battery Tool Use and Care:** Recharge only with the charger specified by the manufacturer. Use power tools only with specifically designated battery packs.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Ingco CDLI12428 Cordless Drill.



Figure 1: Ingco CDLI12428 Lithium-ion Cordless Drill. This image displays the main components including the keyless chuck, torque adjustment ring, speed selector, forward/reverse switch, trigger, and the battery housing at the base.

1. **Keyless Chuck:** For inserting and securing drill bits or screwdriver bits.
2. **Torque Adjustment Ring:** Adjusts the clutch setting for different applications and materials.
3. **Speed Selector:** Switches between high and low-speed ranges.
4. **Forward/Reverse Switch:** Controls the direction of rotation and locks the trigger.
5. **Trigger Switch:** Activates the drill and controls variable speed.
6. **LED Work Light:** Illuminates the work area.
7. **Battery Pack (not shown attached):** Provides power to the drill.

4. SETUP

4.1. Charging the Battery

The battery pack is not fully charged at the factory. Before first use, charge the battery completely.

- Connect the charger to a power outlet.
- Slide the battery pack into the charger until it clicks into place.
- The charging indicator light will show the charging status. Refer to your charger's manual for specific indicator meanings.
- Once fully charged, disconnect the charger from the power outlet and remove the battery pack.

4.2. Installing/Removing the Battery Pack

- **To Install:** Align the battery pack with the base of the drill handle and slide it in until it locks securely.
- **To Remove:** Press the battery release button (if present) and slide the battery pack out.

4.3. Installing/Removing Drill Bits or Screwdriver Bits

- Rotate the keyless chuck counter-clockwise to open the jaws.
- Insert the drill bit or screwdriver bit into the chuck. Ensure it is centered.
- Rotate the chuck clockwise to tighten the jaws firmly around the bit.
- To remove, rotate the chuck counter-clockwise to loosen and pull the bit out.

5. OPERATING INSTRUCTIONS

5.1. Forward/Reverse Rotation

The forward/reverse switch controls the direction of rotation. Push the switch to the left for forward rotation (drilling/tightening) and to the right for reverse rotation (removing screws). When the switch is in the center position, the trigger is locked, preventing accidental startup.

5.2. Variable Speed Control

The trigger switch provides variable speed control. Pressing the trigger further increases the speed. This allows for precise control during starting and when working with different materials.

5.3. Torque Adjustment

The torque adjustment ring allows you to set the clutch to prevent overtightening screws or damaging materials. Higher numbers indicate higher torque. The drill symbol indicates drill mode, where the clutch does not engage, providing maximum torque for drilling.

- Select a lower torque setting for smaller screws or softer materials.
- Select a higher torque setting for larger screws or harder materials.
- Use the drill mode for drilling holes.

5.4. Speed Selection

The speed selector switch allows you to choose between two speed ranges:

- **Low Speed (1):** For high torque applications like driving large screws or drilling large holes.
- **High Speed (2):** For faster drilling with smaller bits or when less torque is required.

Always select the appropriate speed range before starting the drill.

6. MAINTENANCE

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

- **Cleaning:** Keep the ventilation openings clean to prevent overheating. Use a soft, damp cloth to clean the tool casing. Do not use solvents.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully discharged batteries for extended periods.
- **Storage:** Store the drill and accessories in a dry, secure location out of reach of children.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly inserted. Forward/reverse switch in center (locked) position.	Charge battery and ensure it is securely inserted. Move forward/reverse switch to desired direction.
Loss of power during operation.	Battery charge is low. Overload protection activated.	Recharge the battery. Reduce pressure on the tool or use a lower speed/torque setting.
Bit slips in chuck.	Chuck not tightened sufficiently. Bit shank is dirty or damaged.	Tighten chuck firmly. Clean or replace the bit.
Excessive vibration.	Bent or damaged drill bit. Improperly seated bit.	Replace damaged bit. Ensure bit is fully and correctly inserted into the chuck.

8. SPECIFICATIONS

Technical data for the Ingco CDLI12428 Lithium-ion Cordless Drill.

Feature	Value
Model Number	CDLI12428
Voltage	12 Volts
Maximum Rotational Speed	750 RPM
Maximum Torque	20 Newton Meters
Power Source	Battery Powered
Battery Cell Type	Lithium Ion
Item Weight	5 Kilograms
Product Dimensions	10 x 20 x 37 cm

Feature	Value
Material	Metal, Plastic

9. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or contact Ingco customer support. Keep your purchase receipt as proof of purchase.

For technical assistance or service, please visit the official Ingco website or contact their authorized service centers.

