

Ingco cdli228120

INGCO LI-ION Cordless Drill 10MM 12V User Manual

Model: cdli228120

INTRODUCTION

Thank you for choosing the INGCO LI-ION Cordless Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read this manual thoroughly before first use and keep it for future reference.

SAFETY INSTRUCTIONS

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

- Wear appropriate personal protective equipment, including safety glasses and hearing protection.
- Keep the work area clean and well-lit.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Ensure the battery is fully charged before use.
- Do not expose the tool to rain or wet conditions.
- Keep children and bystanders away while operating a power tool.
- Disconnect the battery pack from the tool before making any adjustments, changing accessories, or storing the tool.

PRODUCT OVERVIEW

The INGCO LI-ION Cordless Drill (Model: cdli228120) is a versatile 12V tool designed for drilling and driving applications. It features a keyless chuck, variable speed control, and reverse functionality.



Figure 1: Side view of the INGCO LI-ION Cordless Drill, highlighting the ergonomic grip and the integrated laser guide for precision.



Figure 2: Another side view of the INGCO LI-ION Cordless Drill, showing the chuck and speed selector ring.

SETUP

Battery Charging

The drill is powered by a 12V Lithium-Ion battery. Before first use, fully charge the battery. Insert the battery pack into the charger, ensuring proper alignment. The charger indicator light will show the charging status. Once fully charged, remove the battery from the charger.

Installing/Removing Battery Pack

- **To Install:** Align the battery pack with the receptacle in the tool handle and slide it in until it clicks into place.
- **To Remove:** Press the battery release button (usually located on the battery pack) and slide the battery pack out of the tool handle.

Installing Drill Bits/Accessories

This drill features a 10mm keyless chuck.

1. Rotate the chuck counter-clockwise until the jaws are open wide enough to insert the drill bit or accessory.
2. Insert the drill bit into the chuck as far as it will go.
3. Rotate the chuck clockwise firmly to tighten the jaws around the drill bit. Ensure the bit is centered and securely held.
4. To remove, rotate the chuck counter-clockwise to loosen the jaws.

OPERATING INSTRUCTIONS

Power On/Off and Variable Speed

The drill is activated by pressing the trigger switch. The speed of the drill is variable and controlled by the amount of pressure applied to the trigger. Pressing the trigger further increases the speed up to 1250 RPM.

Forward/Reverse Rotation

A forward/reverse selector switch is located above the trigger. Push the switch 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). Ensure the switch is in the center position for safety when not in use, as this locks the trigger.

Torque Adjustment

The drill features a torque adjustment collar located behind the chuck. Rotate the collar to select the desired torque setting. Lower settings are for driving small screws or working with soft materials, while higher settings are for larger screws or harder materials. The drill will stop rotating once the set torque is reached, preventing overtightening or damage to the workpiece.

Drilling and Screwdriving Tips

- Always secure your workpiece before drilling or driving.
- Apply steady, even pressure. Do not force the drill.
- For drilling, start with a pilot hole if necessary, especially in hard materials.
- When driving screws, select a torque setting appropriate for the screw size and material.

MAINTENANCE

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

- **Cleaning:** Keep the ventilation openings of the tool clean to prevent overheating. Use a soft, damp cloth to wipe down the exterior. Do not use harsh chemicals or abrasive cleaners.
- **Chuck Maintenance:** Periodically clean the chuck jaws to ensure proper gripping of bits.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods.
- **Storage:** When not in use, store the drill and its accessories in a dry, secure location, out of reach of children.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged; Battery not properly inserted; Forward/reverse switch in center (locked) position.	Charge battery; Re-insert battery securely; Move switch to forward or reverse position.
Loss of power during operation.	Battery low; Overload.	Recharge battery; Reduce pressure or use a larger drill bit/lower torque setting.
Bit slips in chuck.	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.

SPECIFICATIONS

Feature	Detail
Model Number	cdli228120
Brand	INGCO
Power Source	Battery Powered
Voltage	12 Volts
Chuck Type	Keyless
Chuck Size	10 mm
Speed	1250 RPM (No-load)
Drill Type	Impact Driver
Reverse Function	Yes
Item Weight	1.84 Kilograms
Material	Metal

WARRANTY AND SUPPORT

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

For further assistance, visit the official INGCO website or contact your local distributor.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question