

Ingco CDLI12325

Ingco CDLI12325 12V Cordless Drill Instruction Manual

Model: CDLI12325

1. INTRODUCTION

Thank you for choosing the Ingco CDLI12325 12V Cordless Drill. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new tool. Please read these instructions carefully before use and retain them for future reference.

2. SAFETY INSTRUCTIONS

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

- **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 safety equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. 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 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 use battery packs with any other power tools. Do not incinerate the battery pack even if it is severely damaged.

3. PRODUCT OVERVIEW

The Ingco CDLI12325 is a versatile 12V cordless drill designed for various drilling and driving tasks. It features variable speed control, multiple torque settings, and an integrated work light for improved visibility.



Image 1: Incco CDLI12325 12V Cordless Drill, showing the drill unit, two 1.5Ah Lithium-Ion batteries, and a durable carrying case.

Components:

- Cordless Drill Unit
- 12V Lithium-Ion Batteries (x2)
- Battery Charger
- Carrying Case
- Drill Bits (included in some packages)

4. SPECIFICATIONS

Feature	Specification
Model Number	CDLI12325
Battery Voltage	12V
Battery Type	Lithium-Ion (1.5Ah)

No-Load Speed	0-350 / 0-1350 rpm
Maximum Torque	20 Nm
Chuck Capacity	0.8-10 mm
Torque Settings	15 + 1
Speeds	2-speed gearbox
Special Features	Variable Speed, Integrated Work Light
Material	Metal
Product Dimensions	10 x 20 x 37 cm
Weight	Approximately 209 grams (tool only)

5. SETUP

5.1. What's in the Box



Image 2: Unboxed Ingco CDLI12325 contents, showing the drill, carrying case, user manual, battery charger, and a set of drill bits.

5.2. Charging the Battery

1. Connect the charger to a standard power outlet.

2. Slide the battery pack onto the charger until it clicks into place.
3. The charging indicator light on the charger will illuminate. Refer to the charger's specific instructions for light indications (e.g., red for charging, green for fully charged).
4. Once fully charged, disconnect the battery from the charger.

Note: For optimal battery life, fully charge the battery before first use. Do not overcharge the battery.

5.3. Installing/Removing the Battery

- **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 (usually located on the sides of the battery pack) and slide the battery out of the drill handle.

5.4. Installing/Removing Drill Bits

1. Ensure the drill 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 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 to loosen the jaws and pull the bit out.

6. OPERATION

6.1. Powering On/Off

- **To Turn On:** Press the trigger switch. The integrated work light will illuminate.
- **To Turn Off:** Release the trigger switch.

6.2. Variable Speed Control

The drill features a variable speed trigger. The further you press the trigger, the faster the drill bit will rotate. This allows for precise control over drilling and driving applications.

6.3. Speed Selector Switch

The drill has a 2-speed gearbox. Use the speed selector switch (located on top of the drill) to choose between:

- **Speed 1 (Low Speed):** For high torque applications, such as driving screws or drilling large diameter holes. (0-350 rpm)
- **Speed 2 (High Speed):** For faster drilling with smaller bits. (0-1350 rpm)

Caution: Do not change the speed setting while the drill is running.

6.4. Torque Adjustment Ring

The torque adjustment ring (located behind the chuck) allows you to set the desired torque for driving screws. It has 15 torque settings plus a drill mode setting.

- **Settings 1-15:** Lower numbers are for smaller screws or softer materials to prevent overtightening or

stripping. Higher numbers are for larger screws or harder materials.

- **Drill Mode (Drill Bit Symbol):** Use this setting for all drilling applications, as it provides maximum torque without clutch engagement.

6.5. Forward/Reverse Rotation

The forward/reverse selector switch (located above the trigger) controls the direction of rotation.

- Pushing the switch to the left (when viewed from the rear) sets the drill to **forward** rotation for drilling and driving screws.
- Pushing the switch to the right sets the drill to **reverse** rotation for removing screws or freeing jammed bits.
- When the switch is in the center position, the trigger is locked, preventing accidental startup.

7. MAINTENANCE

7.1. Cleaning

- Regularly clean the ventilation openings on the drill to prevent overheating.
- Use a soft, damp cloth to wipe down the tool's exterior. Do not use harsh chemicals or abrasive cleaners.
- Keep the chuck jaws free of dust and debris.

7.2. Storage

- Store the drill and accessories in a dry, secure location, out of reach of children.
- Remove the battery pack from the drill before storing for extended periods.
- Store batteries in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Forward/Reverse switch in center (locked) position	Charge battery and ensure it is securely installed; Move F/R switch to forward or reverse position
Loss of power during operation	Battery charge is low	Recharge the battery pack
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged	Retighten chuck firmly; Clean or replace bit
Drill overheats	Overloading the tool; Blocked ventilation slots	Reduce load; Clear ventilation slots

9. WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards. For warranty information, please refer to the

warranty card included with your product packaging or visit the official Ingco website. Keep your purchase receipt as proof of purchase.

For technical support, spare parts, or service inquiries, please contact your local Ingco dealer or authorized service center. You can find contact information on the official Ingco website or through your retailer.

Website: www.ingco.com