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 - > Ingco Cordless Hammer Drill 20V 2.0Ah (Model CDLI20024) Instruction Manual

Ingco CDLI20024

Ingco Cordless Hammer Drill 20V 2.0Ah

Model: CDLI20024 | Brand: Ingco

INTRODUCTION

Thank you for choosing the Ingco CDLI20024 20V Cordless Hammer Drill. This powerful and versatile tool is designed for drilling into wood, metal, and masonry, as well as for driving screws. This manual provides essential information for safe operation, proper setup, maintenance, and troubleshooting to ensure optimal performance and longevity of your tool.



Image: The Ingco 20V Cordless Hammer Drill, showcasing its compact design and battery pack.

SAFETY INSTRUCTIONS

Always follow basic safety precautions when using power tools 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 hearing protection when operating noisy tools. 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 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.

PACKAGE CONTENTS

Upon opening the package, verify that all items listed below are present and undamaged:

- 1 x Ingco 20V 2.0Ah Cordless Hammer Drill (Model CDLI20024)
- 1 x 20V 2.0Ah Lithium-ion Battery Pack
- 1 x Fast Charger
- Instruction Manual



Image: The Ingco Cordless Hammer Drill shown with its retail packaging, indicating included components.

PRODUCT FEATURES

The Ingco CDLI20024 Cordless Hammer Drill is equipped with several features designed for efficiency and user convenience:

- **20V Lithium-ion Battery:** Provides consistent power and long run-time.
- **LED Work Light:** Illuminates the work area for improved visibility in dark spaces.
- **Durable Nylon Housing:** Ensures enhanced durability and protection against wear and tear.
- **15+1 Torque Settings:** Allows for precise torque control for various applications, preventing overtightening or stripping.
- **Two-Speed Mechanical Gear:** Offers versatility for high-speed drilling or high-torque driving.
- **Fast Charging Technology:** Reduces downtime with quick battery recharge capabilities.
- **0.8-10mm Keyless Chuck:** For quick and easy bit changes.

SETUP

1. Charging the Battery

1. Ensure the charger is connected to a standard 220-240V ~ 50/60Hz power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. The LED indicator on the charger will show the charging status. A full charge typically takes approximately 2 hours.
4. Once fully charged, remove the battery from the charger.

2. 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.



Image: The Ingco Cordless Hammer Drill with its 20V battery pack securely attached to the base.

3. Installing/Removing Drill Bits or Accessories

1. Rotate the chuck collar counter-clockwise to open the chuck jaws.
2. Insert the drill bit or accessory into the chuck, ensuring it is centered.
3. Rotate the chuck collar clockwise to tighten the jaws firmly around the bit. Ensure the bit is secure before operation.
4. To remove, rotate the chuck collar counter-clockwise until the jaws open sufficiently to release the bit.







Image: Top view of the Ingco Cordless Hammer Drill, highlighting the keyless chuck for bit installation.

OPERATING INSTRUCTIONS

1. Powering On/Off

- To turn on the drill, press the trigger switch. The speed is variable depending on how far the trigger is pressed.
- To turn off, release the trigger switch.

2. Forward/Reverse Rotation

A forward/reverse selector switch is located above the trigger. Push it to the left for forward rotation (drilling/driving) and to the right for reverse rotation (removing screws/bits).

3. Speed Selection

The drill features a two-speed mechanical gear selector on top of the tool:

- **Speed 1 (Low):** For high-torque applications like driving screws or drilling large holes. (0-400 RPM)
- **Speed 2 (High):** For high-speed drilling in softer materials. (0-1500 RPM)

Always select the appropriate speed before starting the tool.

4. Torque Adjustment

The torque adjustment collar, located behind the chuck, allows you to set the desired torque level. There are 15 torque settings plus a drill mode. Select a lower setting for smaller screws or softer materials and a higher setting for larger screws or harder materials. The drill mode bypasses the clutch for maximum power when drilling.

5. Drilling Modes

This tool functions as both a drill and a hammer drill:

- **Drill Mode:** For drilling into wood, metal, and plastic. Set the torque collar to the drill icon.
- **Hammer Drill Mode:** For drilling into masonry and concrete. Set the torque collar to the hammer icon.

Ensure the correct mode is selected for the material you are working with.

MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ingco Cordless Hammer Drill.

- **Cleaning:** Keep the ventilation slots clear and free from dust. Use a soft, damp cloth to clean the tool's exterior. Do not use harsh chemicals 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. Recharge them periodically if not in use.
- **Storage:** When not in use, store the drill and its accessories in a dry, secure location out of reach of children.
- **Inspection:** Periodically inspect the tool for any signs of damage, loose screws, or worn parts. If any issues are

found, contact qualified service personnel.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start.	Battery not charged or not properly installed.	Ensure battery is fully charged and securely inserted.
Loss of power during operation.	Battery charge is low.	Recharge the battery.
Bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty.	Tighten chuck firmly. Clean bit shank before insertion.
Excessive vibration or noise.	Damaged bit or internal component issue.	Replace damaged bit. If problem persists, discontinue use and contact service.

SPECIFICATIONS

Model Number	CDLI20024
Voltage	20V
Battery Type	Lithium-ion
Battery Capacity	2.0Ah
No-load Speed (Low)	0-400 RPM
No-load Speed (High)	0-1500 RPM
Max Torque	45 Nm
Chuck Capacity	0.8-10 mm
Torque Settings	15+1
Charger Input	220-240V ~ 50/60Hz
Approx. Charging Time	2 hours
Weight	1.84 kg
Dimensions (L x W x H)	32 x 9 x 25.5 cm
Material	Plastic (Nylon Housing)
Special Features	Variable Speed, LED Light

WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your purchase or visit the official Ingco website. If you encounter any issues or require technical assistance, please contact Ingco customer support or your local dealer.

For further assistance, you may visit the [Ingco brand store on Amazon](#).

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