

Ingco CIDLI201452

Ingco 20V Cordless Hammer Drill CIDLI201452 Economical Version

Model: CIDLI201452 | Brand: Ingco

INTRODUCTION

Thank you for choosing the Ingco 20V Cordless Hammer Drill, model CIDLI201452 Economical Version. This manual provides essential information for the safe operation, maintenance, and care of your new power tool. Please read this manual thoroughly before first use and keep it for future reference. Proper use and maintenance will ensure long-lasting performance and safety.

IMPORTANT SAFETY INSTRUCTIONS

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

General Power Tool Safety

- **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. There is an increased risk of electric shock if your body is earthed or grounded.
- **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.

- Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool.

Battery Tool Use and Care

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

PRODUCT OVERVIEW

Key Components

- **Chuck:** Holds drill bits and screwdriver bits.
- **Torque Adjustment Ring:** Selects the desired torque setting or drill mode.
- **Speed Selector Switch:** Changes between high and low-speed gears.
- **Trigger Switch:** Activates the drill and controls variable speed.
- **Forward/Reverse Switch:** Changes the rotation direction.
- **LED Work Light:** Illuminates the work area.
- **Battery Pack:** Provides power to the drill.
- **Battery Release Button:** For removing the battery pack.

Features

- **High Torque Motor:** Equipped with a high-performance copper wire motor, providing a maximum torque of 45 Nm for efficient drilling across various materials.
- **Two-Speed Gearbox:** Offers two variable speed settings (0-400 RPM for driving screws and 0-1500 RPM for drilling) for versatile applications.
- **15+1 Torque Settings:** Allows precise control for fastening and loosening screws, preventing stripping, and for drilling into materials like wood, ceramic, drywall, plastic, and metal.
- **0.8-10mm Single Sleeve Chuck:** Durable chuck designed to accept a wide range of drill bits from 0.8mm to 10mm.
- **Integrated LED Work Light:** Enhances visibility in dark or confined work environments.
- **Quick Charging System:** Includes two 1.5Ah Lithium-ion batteries and a 1-hour fast charger for continuous operation.

MULTI-GEAR MECHANICAL SPEED REGULATION

Stepless speed regulation switch,
smooth speed regulation for more ROP requirements



Figure 1: Illustration of the high-performance copper wire motor inside the Ingco cordless drill, highlighting its powerful torque for multi-material drilling.

HIGH TORQUE MOTOR

High-performance copper wire motor, maximum torque 45N·m,
full drilling force, no pressure for multi-material drilling



Figure 2: View of the drill's trigger and speed regulation mechanism, demonstrating the stepless speed control for various applications.

15+1 TORQUE ADJUSTMENT

Quick tightening , Debugging on demand, Higher efficiency



Figure 3: Close-up of the torque adjustment ring on the Ingco cordless drill, showing the 15+1 settings for precise control during fastening and drilling tasks.

0.8-10MM SINGLE SLEEVE CHUCK

0.8-10MM single sleeve chuck is durable and not easy to be damaged.
Can use various types of drill bits



Figure 4: Detailed image of the 0.8-10mm single sleeve chuck on the Ingco cordless drill, illustrating its capacity to hold various drill bits securely.

SETUP

Charging the Battery

1. Ensure the battery pack is clean and dry before charging.
2. Connect the charger to a standard power outlet.
3. Slide the battery pack onto the charger until it clicks into place.
4. The charger indicator light will show the charging status. A full charge typically takes 1 hour.
5. Once fully charged, remove the battery pack from the charger.

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 and slide the battery pack out of the handle.

Installing/Removing Drill Bits

- **To Install:** Rotate the chuck counter-clockwise to open the jaws. Insert the drill bit into the chuck as

far as it will go. Rotate the chuck clockwise to tighten the jaws firmly around the bit.

- **To Remove:** Rotate the chuck counter-clockwise to loosen the jaws and pull the drill bit out.

OPERATING INSTRUCTIONS

Powering On/Off

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

Adjusting Speed

- Use the **Speed Selector Switch** located on top of the drill to choose between two gear settings:
- **Low Speed (0-400 RPM):** Ideal for driving screws and applications requiring higher torque.
- **High Speed (0-1500 RPM):** Suitable for drilling holes and tasks requiring faster rotation.

Adjusting Torque

- The **Torque Adjustment Ring** allows you to select from 15 torque settings plus a drill mode.
- Rotate the ring to the desired setting. Lower numbers are for smaller screws or softer materials, while higher numbers are for larger screws or harder materials.
- For drilling, set the ring to the drill icon for maximum torque.

Drilling/Driving Techniques

- Always ensure the workpiece is securely clamped.
- Start drilling at a low speed and gradually increase as the bit penetrates the material.
- Apply steady, even pressure. Do not force the drill.
- For driving screws, select an appropriate torque setting to prevent stripping the screw head or damaging the material.

Using the LED Work Light

- The integrated LED work light automatically illuminates when the trigger switch is pressed, providing visibility in dimly lit areas.

MAINTENANCE

Cleaning

- Always disconnect the battery pack before cleaning.
- Wipe the tool with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating.

Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store batteries in a discharged state for extended periods. Recharge them periodically.

Storage

- Store the drill and its accessories in a secure, dry place, out of reach of children.
- Remove the battery pack from the drill before storing for long periods.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed.	Charge the battery. Ensure battery is fully inserted and locked.
Loss of power during operation	Battery charge is low.	Recharge the battery pack.
Bit slips in chuck	Chuck not tightened sufficiently.	Tighten the chuck firmly around the bit. Ensure the bit shank is clean.
Overheating	Blocked ventilation slots. Excessive load.	Clean ventilation slots. Reduce pressure on the drill. Allow the tool to cool.

SPECIFICATIONS

Feature	Specification
Manufacturer	Ingco
Model Number	CIDLI201452 (Economical Version)
Voltage	20V
Power Source	Battery Powered
Battery Type	Lithium-Ion
Battery Capacity	1.5 Ah (2 batteries included)
Max Torque	45 Nm
No-Load Speed	0-400 / 0-1500 RPM
Chuck Capacity	0.8-10 mm
Torque Settings	15+1
Material	Plastic
Product Dimensions	28 x 18 x 8 cm
Item Weight	350 g
Special Features	Speed lock button, Integrated LED work light

Feature	Specification
Included Components	1 Drill Machine, 2 x 1.5Ah Batteries, 1 Fast Charger, 1 x 65mm Bit

WARRANTY AND SUPPORT

Ingco products are manufactured to high-quality standards and are warranted against defects in materials and workmanship. Please refer to your purchase receipt or contact your retailer for specific warranty terms and conditions applicable to your region.

For technical support, service, or spare parts, please contact your local Ingco service center or the retailer from whom you purchased the product. Keep your proof of purchase for warranty claims.