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## Ingco CKLI2009

# Ingco CKLI2009 Cordless Drill and Angle Grinder Set

## USER MANUAL

### Introduction

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This manual provides essential instructions for the safe operation, maintenance, and setup of your Ingco CKLI2009 Cordless Drill and Angle Grinder Set. Please read this manual thoroughly before using the tools to ensure proper and safe usage.



Image: The Ingco CKLI2009 set includes a cordless drill, an angle grinder, two 20V 4.0Ah batteries, a fast charger, and a durable canvas carrying bag.

## Safety Instructions

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

- **Work Area Safety:** 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.
- **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, hearing protection, and appropriate clothing. Stay alert and use common sense when operating power tools.
- **Power Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Disconnect the battery pack 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.

## Product Components

The Ingco CKLI2009 set includes the following items:

- 1 x Ingco CDLI20024 Cordless Lithium-Ion Drill
- 1 x Ingco CAGLI1151 Angle Grinder
- 2 x 20V 4.0Ah Lithium-Ion Batteries
- 1 x Fast Charger (2-hour charging time)
- 1 x Abrasive Disc (for angle grinder)
- 1 x Canvas Carrying Bag

## Specifications

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### Ingco CDLI20024 Cordless Drill

**Voltage:** 20 V

**No-load Speed:** 0-400 / 0-1500 rpm

**Max Torque:** 45 Nm

**Chuck Capacity:** 0.8-10 mm

**Torque Settings:** 15 + 1

**Speed Settings:** 2-speed mechanical change

### Ingco CAGLI1151 Angle Grinder

**Voltage:** 20 V

**No-load Speed:** 8500 rpm

**Disc Diameter:** 115 mm

**Spindle Thread:** M14

### Battery & Charger

**Battery Type:** Lithium-ion

**Battery Capacity:** 4.0 Ah

**Charger Type:** Fast Charger

**Charging Time:** Approximately 2 hours

## Setup

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### 1. Charging the Battery

1. Connect the charger to a suitable power outlet.
2. Slide the battery pack onto the charger until it clicks into place.
3. Allow approximately 2 hours for a full charge. The charger indicator light will change to show charging status.
4. Once charged, disconnect the charger from the power outlet and remove the battery.

### 2. Installing/Removing the Battery

- **Installation:** Align the battery pack with the base of the tool (drill or angle grinder) and slide it in until it locks securely.
- **Removal:** Press the battery release button (usually located on the side of the battery) and slide the battery pack out.

### 3. Attaching Accessories (Drill)

1. Ensure the drill is switched off and the battery is removed.
2. Rotate the chuck counter-clockwise to open the jaws.
3. Insert the drill bit or screwdriver bit into the chuck.
4. Rotate the chuck clockwise to tighten the jaws securely around the bit. Ensure the bit is centered.

### 4. Attaching Accessories (Angle Grinder)

1. Ensure the angle grinder is switched off and the battery is removed.
2. Press and hold the spindle lock button.
3. Use the provided wrench to loosen the outer flange nut by turning it counter-clockwise.
4. Place the abrasive disc onto the inner flange, ensuring it sits correctly.
5. Replace the outer flange nut and tighten it clockwise with the wrench while holding the spindle lock button.
6. Adjust the guard for optimal protection and secure the auxiliary handle.

## Operating Instructions

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### Cordless Drill (CDLI20024)

- **Speed Selection:** Use the 2-speed gear selector switch (usually on top of the drill) to choose between low speed (for high torque applications like screwdriving) and high speed (for drilling).
- **Torque Adjustment:** Rotate the torque collar to select the desired torque setting (1-15 for screwdriving, drill symbol for drilling). Higher numbers provide more torque.
- **Forward/Reverse:** Use the forward/reverse selector switch (above the trigger) to set the rotation direction. Center position locks the trigger for safety.
- **Operation:** Hold the drill firmly. Press the trigger to start. The speed is variable depending on trigger pressure. Apply steady, even pressure.

### Angle Grinder (CAGLI1151)

- **Safety Guard:** Always ensure the safety guard is properly installed and adjusted to protect against sparks and debris.
- **Auxiliary Handle:** Always use the auxiliary handle for better control and safety.
- **Operation:** Hold the grinder firmly with both hands. Press the power switch to start. Allow the disc to reach full speed before contacting the workpiece. Apply light, even pressure.
- **Workpiece Security:** Always secure the workpiece to prevent movement during operation.

## Maintenance

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- **Cleaning:** Regularly clean the ventilation openings of the tools to prevent overheating. Use a soft, damp cloth. Do not use solvents.
- **Battery Care:** Store batteries in a cool, dry place away from direct sunlight. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- **Accessory Inspection:** Before each use, inspect drill bits and grinding discs for wear or damage. Replace worn or damaged accessories immediately.
- **Storage:** Store the tools and accessories in the provided canvas bag in a dry, secure location out of

reach of children.

## Troubleshooting

Problem	Possible Cause	Solution
Tool does not start.	Battery not charged or not properly inserted.	Charge the battery fully. Ensure the battery is securely clicked into place.
Tool stops during operation.	Overload protection activated or battery is low.	Reduce pressure on the tool. Allow the tool to cool down. Recharge or replace the battery.
Drill bit slips in chuck.	Chuck not tightened sufficiently or bit shank is dirty/damaged.	Retighten the chuck firmly. Clean or replace the drill bit.
Angle grinder disc vibrates excessively.	Disc improperly installed or damaged.	Check disc installation. Replace with a new, undamaged disc.

## Warranty and Support

Specific warranty information for the Ingco CKLI2009 set may vary by region and retailer. Please refer to your purchase documentation or contact your point of sale for detailed warranty terms and conditions.

For technical support or spare parts, please contact Ingco customer service or an authorized service center. Contact information can typically be found on the official Ingco website or on the product packaging.