Ginour CD503

Ginour 21V Cordless Drill Instruction Manual

Model: CD503

1. Important Safety Instructions

Always observe basic safety precautions when using electric tools to reduce the risk of fire, electric shock, and personal injury. Read all instructions carefully before operating this product.

- **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. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- **Personal Safety:** Always wear eye protection. Use safety glasses, goggles, or a face shield. Wear hearing protection when operating the tool for extended periods. Dress properly; do not wear loose clothing or jewelry. Keep hair, clothing, and gloves away from moving parts.
- **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.
- **Battery Pack Use and Care:** Recharge only with the charger specified by the manufacturer. Do not use battery packs with any other power tools. When the battery pack is not in use, keep it away from other metal objects.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.



Image: The Ginour 21V Cordless Drill, two batteries, charger, carry case, and a comprehensive 48-piece accessory set including various drill bits, screwdriver bits, sockets, and gloves.

- 1 x Ginour Brushless Power Drill
- 2 x Lithium-ion Batteries (21V 2Ah)
- 1 x Battery Charger
- 1 x Carry Case
- 1 x Flexible Shaft
- 1 x Pair of Gloves
- 3 x Flat Drill Bits (Ø10/12/14mm)
- 5 x Tungsten Carbide Tip Drill Bits (Ø4/5/6/8/10mm)
- 10 x Screwdriver Bits
- 3 x Wood Drill Bits (Ø4/5/6mm)
- 6 x Screwdriver Bits (5mm/6mm/PH1/PH2/T20/T25)
- 9 x Sockets (Ø5-13mm)

- 3 x HSS Twist Drill Bits (Ø4/5/6mm)
- 1 x Connecting Extension Bar
- 1 x 1/4" Socket Adapter

3. Product Overview

The Ginour 21V Cordless Drill is a versatile tool designed for drilling, impact drilling, and screwdriving tasks. It features a brushless motor for efficiency and durability, and an ergonomic design for comfortable use.



Image: The Ginour 21V Cordless Drill, showcasing its main body, chuck, battery, and various included accessories.

Key Components:

- **Keyless Chuck:** For quick and easy bit changes.
- **Torque Adjustment Ring:** Allows selection of 23+3 torque settings.
- **Mode Selector:** Switches between screwdriving, drilling, and impact drilling modes.
- **2-Speed Gearbox:** Provides high and low-speed ranges.

- **Variable Speed Trigger:** Controls the operating speed.
- **Forward/Reverse Switch:** Changes the rotation direction.
- **LED Work Light:** Illuminates the work area.
- **Battery Pack:** Removable 21V Lithium-ion battery.

4. Setup

4.1 Battery Charging

1. Ensure the battery is fully charged before first use.
2. Connect the charger to a standard power outlet.
3. Slide the battery pack onto the charger. The indicator light on the charger will show the charging status.
4. A full charge typically takes approximately 1.5 hours.
5. Once charged, disconnect the charger from the power outlet and remove the battery.

4.2 Battery Installation and Removal

- **Installation:** Align the battery pack with the base of the drill handle and slide it in until it clicks securely into place.
- **Removal:** Press the battery release button (usually located on the front or sides of the battery pack) and slide the battery out of the handle.

4.3 Accessory Installation and Removal

1. **Opening the Chuck:** Rotate the chuck counter-clockwise until the jaws are wide enough to insert the desired drill bit or screwdriver bit.
2. **Inserting the Bit:** Insert the shank of the bit into the chuck as far as it will go.
3. **Closing the Chuck:** Rotate the chuck clockwise until the bit is firmly secured. Ensure the bit is centered and tight to prevent slippage during operation.
4. **Removing the Bit:** Rotate the chuck counter-clockwise to loosen the jaws and remove the bit.

5. Operating Instructions

5.1 Power On/Off and Speed Control

- The drill is powered on by pressing the variable speed trigger. The speed increases as you press the trigger further.
- Release the trigger to turn the drill off.

5.2 2-Speed Gearbox Selection

The drill features a 2-speed gearbox for optimal performance across different applications.



Image: Diagram illustrating the two-speed selector switch on the top of the drill, indicating recommended speeds for impact drilling (0-450 RPM) and screw driving (0-1450 RPM).

- **Speed 1 (Low Speed, 0-600 RPM):** Ideal for high torque applications such as driving screws or drilling into hard materials.
- **Speed 2 (High Speed, 0-1850 RPM):** Suitable for faster drilling in softer materials.
- To change speeds, slide the gear selector switch located on top of the drill. Ensure the drill is stopped before changing gears.

5.3 Torque Settings

The torque adjustment ring allows you to select the appropriate torque for your task, preventing overtightening of screws or damage to materials.



Image: A visual representation of the 23+3 torque settings ring on the drill, showing different materials (plastic, wood, metal, brick, cement) and their corresponding torque recommendations.

- Rotate the torque adjustment ring to select one of the 23 torque settings for screwdriving.
- For drilling, select the drill symbol (drill bit icon) for maximum torque.
- For impact drilling, select the hammer symbol (hammer icon).

5.4 Mode Selection

The drill offers three primary operating modes:



Image: A close-up of the drill's mode selector, showing options for Impact Drilling, Drilling, and Screw Driving, with corresponding visual examples.

- **Screwdriving Mode:** Use for driving and removing screws. Adjust torque as needed.
- **Drilling Mode:** For drilling holes in wood, metal, and plastic.
- **Impact Drilling Mode:** For drilling into masonry, brick, and concrete.
- Rotate the mode selector ring to choose the desired function.

5.5 Forward/Reverse Rotation

- The forward/reverse switch is located above the trigger.
- Push the switch to the left for forward rotation (clockwise) for drilling and driving screws.
- Push the switch to the right for reverse rotation (counter-clockwise) for removing screws or freeing jammed drill bits.
- Center the switch to lock the trigger and prevent accidental starting.

5.6 LED Work Light

- The integrated LED light automatically illuminates the work area when the trigger is pressed, improving visibility in dimly lit spaces.

5.7 Applications

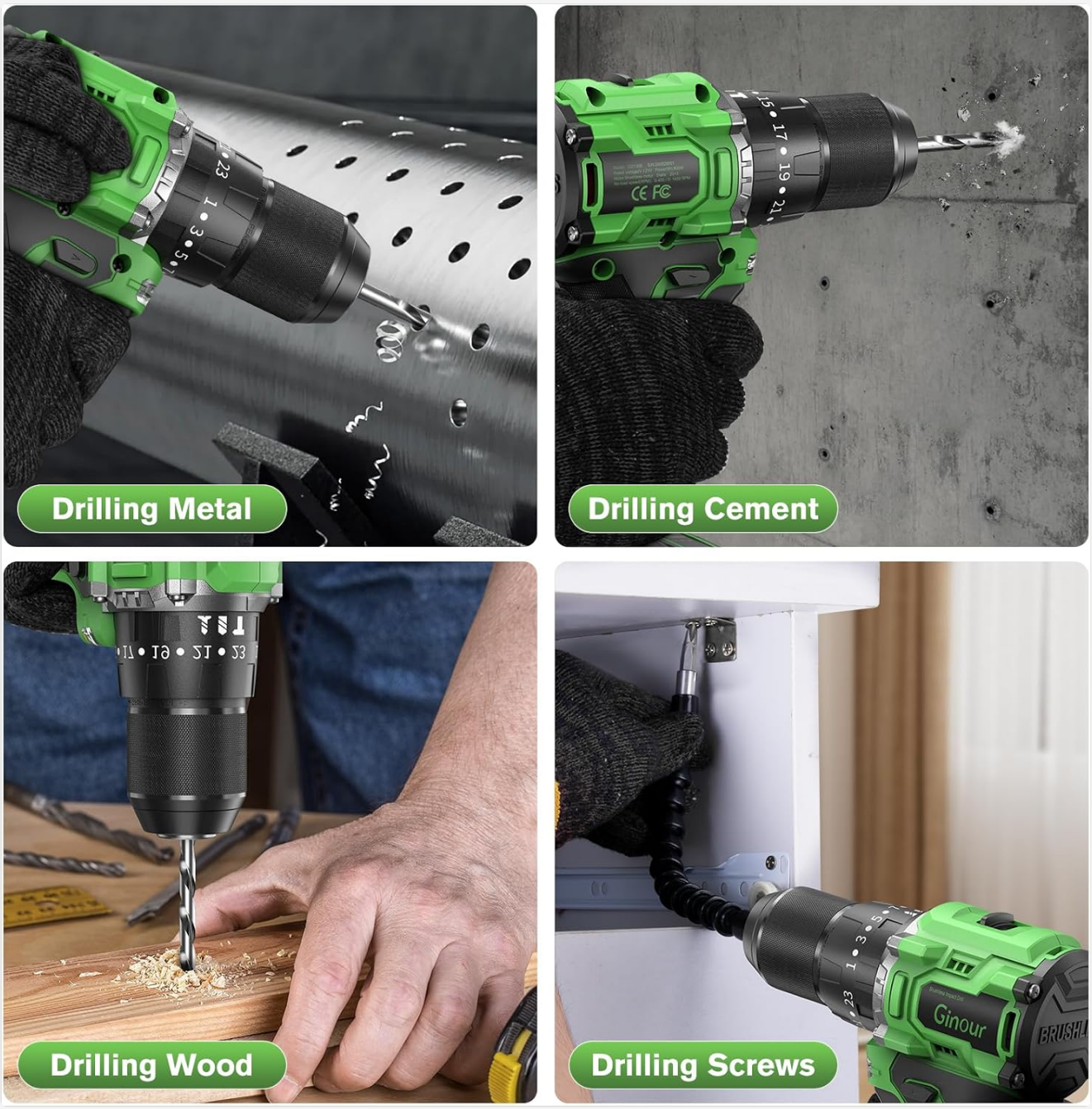


Image: Four panels demonstrating the drill in use for drilling metal, drilling cement, drilling wood, and driving screws, highlighting its versatility.

The Ginour 21V Cordless Drill is suitable for a variety of tasks, including:

- Drilling into wood, plastic, and metal.
- Impact drilling into brick, masonry, and concrete.
- Driving and removing screws.

6. Maintenance

6.1 Cleaning

- Always disconnect the battery pack before cleaning.

- Use a soft, damp cloth to clean the exterior of the tool. Do not use harsh chemicals or abrasive cleaners.
- Keep the ventilation openings clear of dust and debris to prevent overheating. Use compressed air if necessary.

6.2 Storage

- Store the tool and accessories in a dry, cool place, away from direct sunlight and moisture.
- Store the tool in its carry case to protect it from damage.
- Keep out of reach of children.

6.3 Battery Care

- For optimal battery life, store batteries in a cool, dry place at approximately 50% charge if not used for extended periods.
- Do not store batteries in fully discharged condition.
- Avoid exposing batteries to extreme temperatures.

7. Troubleshooting

This section addresses common issues you might encounter with your Ginour 21V Cordless Drill.

Problem	Possible Cause	Solution
Drill does not start	Battery not charged or improperly installed; Forward/Reverse switch in center (locked) position; Faulty battery or tool.	Charge battery; Reinstall battery correctly; Move F/R switch to forward or reverse; Test with another battery; Contact customer support if issue persists.
Loss of power during operation	Battery charge low; Overload due to excessive pressure or incorrect speed/torque setting.	Recharge battery; Reduce pressure; Adjust speed or torque setting; Use appropriate bit for material.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Tighten chuck firmly; Clean or replace bit.
Tool overheats	Continuous heavy use; Blocked ventilation slots.	Allow tool to cool down; Clear ventilation slots; Reduce workload.

8. Specifications

Detailed technical specifications for the Ginour 21V Cordless Drill (Model CD503).

Feature	Specification
Model Number	CD503
Brand	Ginour

Feature	Specification
Voltage	21 Volts
Battery Type	Lithium-ion
Battery Capacity	2 Ah (2000 mAh)
Motor Type	Brushless
Max Torque	50 Nm
Torque Settings	23 + 3 (Drilling, Impact Drilling)
No-Load Speed (Gear 1)	0-600 RPM
No-Load Speed (Gear 2)	0-1850 RPM
Max Chuck Size	10 mm
Power	800 Watts
Product Dimensions (L x W x H)	6 x 34 x 22 cm
Product Weight	2.76 kg
Material	Metal, Plastic
Special Features	Electric Brake, Lock Speed Button, Reverse Rotation, Keyless Chuck, Adjustable Mode/Torque/Speed, Integrated LED Work Light

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