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### Dong Cheng DCJZ03-13(EM-EU01)

# Dong Cheng 18V 120Nm Cordless Hammer Drill User Manual

Model: DCJZ03-13(EM-EU01)

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## INTRODUCTION

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This manual provides essential information for the safe and effective use of your Dong Cheng 18V 120Nm Cordless Hammer Drill. Please read all instructions carefully before operating the tool to ensure proper function and to prevent injury.



Image: The Dong Cheng 18V 120Nm Cordless Hammer Drill shown with its included accessories, including batteries, charger, drill bits, and screwdriver bits, all neatly arranged in a carrying case.

## SAFETY INSTRUCTIONS

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

### General Power Tool Safety Warnings

- **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 personal protective equipment such as dust masks, non-skid safety shoes, hard hats, or hearing protection when appropriate. Stay alert, watch what you are doing, and use common sense when operating a power tool.
- **Tool Use and Care:** Do not force the power tool. Use the correct power tool for your application. Do not use the power tool if the switch does not turn it on and off. 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.
- **Service:** Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

## PACKAGE CONTENTS

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Verify that all items are present upon unpacking:

- 1x Dong Cheng 18V 120Nm Cordless Hammer Drill
- 2x 4.0Ah Lithium-Ion Batteries
- 1x 2A Fast Charger
- 1x 9-piece Drill Bit Set (Wood: 6mm, 8mm, 10mm; HSS Spiral: 6mm, 8mm, 10mm; Stone: 6mm, 8mm, 10mm)
- 1x 19-piece S2 Screwdriver Bit Set (PH1/PH2/PH3, PZ1/PZ2/PZ3, SL3/SL4/SL5, H4/H5/H6, T10/T15/T20/T25/T27/T30/T40)
- 1x 60mm Bit Holder with 6.35mm Shank
- 1x Flexible Shaft
- 1x Auxiliary Handle
- 1x Belt Clip with 2 screws
- 1x Carrying Case

# 24 + 1 + 1

## Función 3 en 1



Image: Close-up of the drill chuck and torque/mode selector, illustrating the 3-in-1 functions for screwing, drilling, and hammer drilling, along with 24+3 torque settings.

## SETUP

### 1. Charging the Battery

1. Insert the battery pack into the charger.
2. Plug the charger into a standard power outlet.
3. The charging indicator light will show the charging status. A full charge typically takes approximately 1 hour with the 2A fast charger.
4. Once fully charged, remove the battery from the charger.

### 2. Installing/Removing the Battery Pack

- To install: Align the battery pack with the base of the tool and slide it in until it clicks securely into place.
- To remove: Press the battery release button and slide the battery pack out.

### 3. Attaching the Auxiliary Handle

- Loosen the auxiliary handle by twisting it counter-clockwise.
- Slide the handle onto the front of the drill body.
- Adjust the handle to a comfortable position and tighten it by twisting clockwise.

#### 4. Installing Drill Bits or Screwdriver Bits

1. Rotate the chuck collar counter-clockwise to open the chuck jaws.
2. Insert the desired drill bit or screwdriver bit into the chuck. Ensure the bit is inserted as far as possible for a secure grip.
3. Rotate the chuck collar clockwise to tighten the jaws firmly around the bit. Hand-tighten only; do not use tools to tighten the chuck.



**Taladro preciso – sin deslizamiento!**



Image: A close-up view demonstrating how to open and close the 13mm keyless chuck for quick and tool-free bit changes, ensuring a precise and slip-free hold.

#### 5. Attaching the Belt Clip

- Attach the belt clip to either side of the drill handle using the provided screws. This allows for convenient temporary storage of the tool.

## OPERATING INSTRUCTIONS

### 1. Selecting Operating Mode and Torque

- The drill features a 3-in-1 function: Screwing, Drilling, and Hammer Drilling. Rotate the mode selector ring (located behind the chuck) to choose the desired mode.
- For screwing, select the screw icon and adjust the torque ring to one of the 24 torque settings. Lower numbers are for smaller screws and softer materials, higher numbers for larger screws and harder materials.
- For drilling into wood or metal, select the drill icon.
- For drilling into masonry or concrete, select the hammer drill icon.

### 2. Speed Selection

- The drill has two speed settings, controlled by a switch on top of the tool.
- **Gear 1 (0-500 RPM):** Provides higher torque for heavy-duty screwing and drilling large holes in wood or metal.
- **Gear 2 (0-2000 RPM):** Provides higher speed for fast drilling in various materials and for hammer drilling (up to 32,000 BPM).



**Caja 2 velocidades**

**Frecuencia impacto 0-32.000/min**

**Dong Cheng**

**2** **0-500/min** **1** **0-2000/min**

Image: Diagram illustrating the 2-speed gearbox mechanism, showing the impact frequency of 0-32,000/min and the

two speed ranges: 0-500/min for low speed and 0-2000/min for high speed.

### 3. Forward/Reverse Rotation

- The forward/reverse selector switch is located above the trigger.
- Push the switch to the left for forward rotation (drilling/screwing in).
- Push the switch to the right for reverse rotation (removing screws/bits).
- Center position locks the trigger for safety during transport or when changing bits.

### 4. Operating the Trigger and LED Light

- Squeeze the trigger to start the drill. The speed is variable depending on how much the trigger is pressed.
- The integrated LED light illuminates the work area when the trigger is pressed, improving visibility in dimly lit conditions.

### 5. Brushless Motor Advantages

- The brushless motor provides 80% more power, 60% longer lifespan, and 60% less noise compared to conventional brushed motors. This ensures powerful, durable, and quiet operation across various materials like wood, metal, concrete, and masonry.



**Motor sin escobillas**  
Par máx. **120 Nm**

 **+80%** potencia

 **+60%** vida útil

 **-60%** ruido

 **+100%** vida útil

Image: An internal view of the drill highlighting the brushless motor, indicating its maximum torque of 120 Nm and

benefits such as increased power, longer lifespan, and reduced noise.

## 6. Ergonomic Design

- The drill features an ergonomic soft-grip handle and vibration damping to reduce user fatigue during extended use, providing more control.



Image: A close-up of the drill's ergonomic soft-grip handle and auxiliary handle, illustrating the vibration damping feature for enhanced user comfort and control.

## 7. Application Examples

- **Screwing:** Ideal for assembling furniture or fastening materials with screws up to ST6x50mm in pine wood.
- **Drilling Wood:** Capable of drilling holes up to Ø45mm in wood.
- **Drilling Metal:** Suitable for drilling holes up to Ø13mm in steel.
- **Hammer Drilling:** Effective for drilling holes up to Ø13mm in concrete walls and masonry.



**Tornillo ST6×50 mm**



**Madera: Ø45 mm**



**Acero: Ø13 mm**



**Pared de hormigón: Ø13 mm**

Image: A collage showing the Dong Cheng drill in various applications: driving an ST6x50mm screw, drilling into wood (Ø45mm), drilling into steel (Ø13mm), and hammer drilling into a concrete wall (Ø13mm).

## MAINTENANCE

### Cleaning

- Regularly clean the ventilation openings of the tool 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 to ensure proper bit gripping.

### Battery Care

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- Do not store fully discharged batteries for extended periods. Recharge them periodically to maintain battery health.
- The batteries include protection against overheating, overvoltage, and overcurrent to ensure longevity and safety.

# 2×4000mAh batería

## No se necesita batería extra



  
Protección contra  
sobrecalentamiento

  
Protección contra  
sobretensión

  
Protección contra  
sobrecorriente

Image: An illustration of the internal structure of the 4000mAh battery, highlighting its protection features against overheating, overvoltage, and overcurrent, ensuring extended battery life.

## 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 forward/reverse switch to forward or reverse position.
Loss of power during operation	Battery is low; Tool is overloaded.	Recharge battery; Reduce pressure on the tool or use a larger drill bit/lower speed setting.
Bit slips in chuck	Chuck not tightened sufficiently; Bit shank is dirty or damaged.	Ensure chuck is hand-tightened firmly; Clean or replace the bit.

Problem	Possible Cause	Solution
Excessive vibration	Damaged or bent drill bit; Loose auxiliary handle.	Replace the drill bit; Tighten the auxiliary handle securely.

## SPECIFICATIONS

Feature	Detail
Brand	Dong Cheng
Model Number	DCJZ03-13(EM-EU01)
Voltage	18V (20V Max)
Battery Type	Lithium Ion
Battery Capacity	2 x 4.0Ah
Charger Output	2A Fast Charger
Max Torque	120 Nm
No-load Speed (Gear 1)	0-500 RPM
No-load Speed (Gear 2)	0-2000 RPM
Impact Rate	0-32,000 BPM
Chuck Size	13mm Keyless
Drilling Capacity (Wood)	Ø45mm
Drilling Capacity (Masonry/Steel)	Ø13mm
Product Dimensions	40.5 x 26 x 13.3 cm
Product Weight	2.2 kg
Special Features	Brushless Motor, Integrated LED Light, Ergonomic Softgrip, Vibration Damping

## WARRANTY & SUPPORT

Dong Cheng provides a warranty for this product. For specific warranty terms and conditions, please refer to the warranty card included in your package.

If you have any questions, encounter problems, or require technical assistance with your Dong Cheng 18V 120Nm Cordless Hammer Drill, please:

- Consult your warranty card for contact details.
- Contact Dong Cheng customer support directly.

We are committed to providing reliable solutions and support for our products.

## PRODUCT VIDEOS

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No official product videos from the seller were found for this model.