

# User Manual

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Cordless Drill Driver  
OneBase CDBR30

FinePower

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## **Dear Customer,**

Thank you for choosing our products.

We are pleased to offer you appliances and devices designed and manufactured to the highest standards of quality, functionality, and design. Before using the device, please read this manual carefully. It contains important information regarding your safety, as well as recommendations for the proper use and care of the product. Please keep this manual in a safe place and use it as a reference guide during future operation of the product.

## **Intended Use**

The cordless drill driver is designed for driving screws and drilling holes in metal, wood, and plastic.

## **Safety Precautions**

### **Workplace Safety**

- The workplace must be well-lit and kept clean. Cluttered or poorly lit work areas can lead to accidents.
- Do not operate this power tool in explosive atmospheres containing flammable liquids, gases, or dust. During operation, as well as when turning the tool on and off, it generates sparks that can ignite dust or vapors.
- Keep children and bystanders away from your work area while operating the power tool. Distractions can cause you to lose control.

### **Electrical Safety**

- Take necessary precautions against electric shock. Avoid body contact with grounded surfaces such as pipes, radiators, and refrigerators.
- Protect the power tool from moisture, rain, and dampness. Water entering the power tool increases the risk of electric shock.

### **Personal Safety**

- Stay alert, watch what you are doing, and use common sense when operating the power tool. Do not use the power tool while tired or under the influence of drugs, alcohol, or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use personal protective equipment (safety glasses, non-slip footwear, hard hat, or hearing protection) depending on the type of work being performed to reduce the risk of injury.
- Dress properly. Do not wear loose clothing or jewelry. Keep your hair, clothing, and gloves away from moving parts.
- Prevent unintentional starting. Ensure the switch is in the off-position before connecting to a power source and/or battery pack. Do not carry the tool with your finger on the switch.
- Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

- If the power supply is interrupted or the tool shuts down unexpectedly, turn it off immediately. If the machine remains switched on during a power failure, it may restart automatically when power is restored, which could cause injury or property damage.
- Failure to follow operating and safety rules may result in electric shock, fire, and/or serious injury. The manufacturer and its authorized representatives are not liable for damage caused by using the tool in violation of this manual's requirements.

## Device Operation Safety Precautions

- Use tools, accessories, bits, etc., in accordance with these instructions, taking into account the actual working conditions. Using the power tool for operations different from those intended could be hazardous.
- Do not use the tool if the switch does not turn it on and off.
- This device is not intended for use by children or persons with reduced physical, sensory, or mental capabilities, unless they are supervised by a person responsible for their safety. Do not allow children to play with the device.
- Ensure that the moving parts of the tool are securely fixed and in good working order. If the tool is damaged, it must be repaired.
- Charge the battery 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.
- Disconnect the power when inserting or removing battery packs.
- Before setting the tool aside after work, turn it off and wait for the rotating parts to come to a complete stop.
- Keep the charger free of dust and dirt.
- Servicing must be performed by qualified personnel using original spare parts. This ensures the safety of the power tool.
- Hold the power tool by insulated gripping surfaces when performing an operation where the cutting accessory may contact hidden wiring. Cutting accessories contacting a «live» wire may make exposed metal parts of the power tool «live» and could give the operator an electric shock.
- Use only serviceable and undamaged accessories that are free from defects, cracks, chips, and any other damage.
- Ensure that the drill bit can drill through the workpiece without damaging the underlying surface.
- Do not touch the bit immediately after turning off the tool.
- Do not place your hands under the workpiece being processed.
- Do not remove sawdust or shavings near the bit with your hands.
- Finish the work and turn off the tool before getting distracted.
- Regularly check the bolted connections of the power tool.
- This device is not intended for commercial use.

## Service Life

The service life of the product is 4 years.

The specified service life is valid provided the consumer complies with the requirements of this manual.

# List of Critical Failures

- Do not use if there is heavy sparking.
- Do not use if severe vibration occurs.
- Do not use with a cut or exposed power cable.
- Do not use if smoke appears directly from the product housing.

# Possible Erroneous Actions by Personnel

- Do not use with a damaged handle or damaged protective guard.
- Do not use outdoors in the rain.
- Do not turn on if water has entered the housing.

# Limit State Criteria

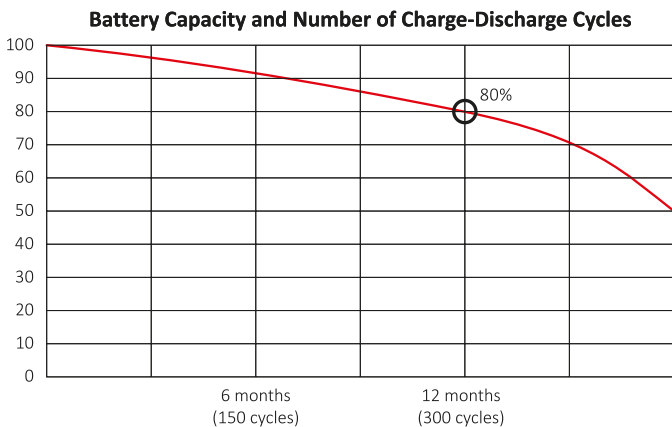
- The product housing is damaged.

# Rechargeable Battery Guidelines (Li-pol/Li-ion)

Dear Customer, please note that this device uses a lithium-based rechargeable battery as its power source. Please carefully read the information below to help extend the life of your battery and prevent undesirable consequences during its operation.

# Battery Capacity and Charge-Discharge Cycles

During prolonged storage and use, the rechargeable battery (hereinafter referred to as «the battery») tends to lose its charge and capacity. After 300 charge-discharge cycles (approximately one year of device use), the battery capacity may decrease to 80% of its nominal value. After 400 charge-discharge cycles, the battery capacity may decrease to 60% of its nominal capacity. Partial capacity reduction within these limits and time frames is natural battery wear and is not considered a defect.



# Natural Battery Wear

The battery loses charge even when stored separately from the device. The self-discharge rate is approximately 5% per month. Due to their design, batteries are not durable and constantly degrade regardless of whether they are in use. This degradation

accelerates at higher temperatures and when the charge level deviates from the «optimal» storage level, which is generally considered to be 40%. In other words, if the battery is not in use, it is advisable to keep the charge level between 40% and 50%.

## **Use Only the Original Charger**

The battery's charge and discharge capability is controlled by its built-in Battery Management System (BMS). Forced «fast charging» modes using external chargers for Li-ion batteries are strictly not recommended, as charge and discharge currents are limited. Li-ion batteries do not have a so-called «memory effect». You can start charging or discharging the battery from any charge level.

Most devices have charge and discharge limits—the controller may prevent the battery charging if, for example, the charge is already above 90%. It will also prevent the battery from fully discharging, protecting the cells from damage. Even if the device is powered by the electrical grids, the Li-ion battery should undergo a full charge/discharge cycle at least once a month (until the «low battery» warning appears). Never let the battery discharge completely. A Li-ion battery degrades quickly if stored in a discharged state for a prolonged period. If this happens, charge it immediately. If the battery remains in a discharged state for two weeks or more, irreversible capacity loss occurs in the cells, which will ultimately lead to battery failure.

## **Observe the Temperature Requirements**

Batteries must be stored in a charged state at temperatures between +15 °C and +35 °C with normal humidity. Batteries do not perform well during prolonged operation in very high (above +40 °C) or very low (below -10 °C) ambient temperatures. Do not leave the battery in direct sunlight.

## **Do Not Disassemble, Burn, or Use Damaged Batteries**

Under no circumstances should you attempt to disassemble the battery or charge its individual cells. For repair or maintenance, please contact an authorized service center. Puncturing or crushing the cells can cause an internal short circuit, leading to fire and explosion. Melting of lithium due to high temperatures can also cause an explosion. If the seal is broken, water or condensed atmospheric moisture can enter the cell, potentially triggering a reaction that releases hydrogen and causes a fire. You can check the current battery status using the battery indicator, which is available on almost all devices (please check its location and operation method at the time of purchase).

### **CAUTION!**

- Be careful — damaged batteries may release harmful substances.
- If the battery is replaceable (removable), and you discover problems with its performance, contact a service center (see the warranty period in the warranty information). If the battery is built-in (an integral part of the device), the warranty applies to the device itself. You should also contact a service center. The sooner you bring a malfunctioning battery in for repair, the more likely it can be restored with minimal cost.
- Battery operating time depends on many other factors, and the actual operating time may differ from the stated value.
- Rechargeable batteries have a limited number of charge cycles and may eventually need replacement (see the limited warranty conditions for the battery in the warranty information). Battery operating time depends on the usage mode and settings.

## Device Diagram



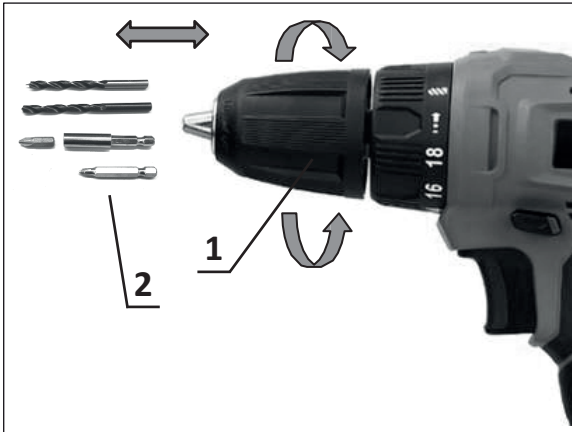
1. Keyless chuck.
2. Torque adjustment ring.
3. Speed selector.
4. Power button.
5. Rotation direction switch.
6. Handle.
7. LED light.
8. Battery lock button.
9. Battery.
10. Belt clip.

## Assembly

**CAUTION!** Before performing any work on the tool, always ensure that the tool is turned off and the battery is removed.

### Inserting and Removing Bits and Drill Bits

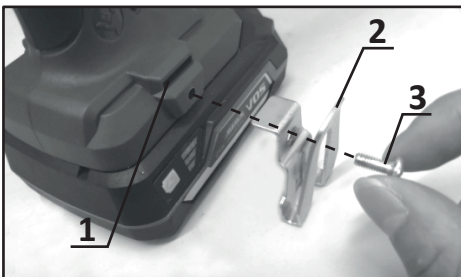
Turn the chuck sleeve clockwise to open the jaws. Insert the drill bit or bit into the keyless chuck as deeply as possible. Turn the chuck sleeve counterclockwise to tighten the chuck. To remove the bit or drill bit, turn the chuck clockwise.



1. Chuck sleeve.
2. Bits and drill bits.

### Installing the Belt Clip

**CAUTION!** When installing the clip, always secure it firmly with the screw. Otherwise, the clip may slip off, which could lead to tool damage or injury.



1. Clip recess.
2. Belt clip.
3. Screw.

The clip is designed for hanging the tool on a belt. It can be installed on either the right or left side of the tool. To install the clip (2), insert it into the recess (1) on the tool body and secure it with the screw (3). To remove the clip, first loosen the screw, and then remove the clip.

# Operating Instructions

## Turning On the Device

**Note:** Each time before connecting the battery to the device, check that the power button operates correctly and returns to its original position when released.

- Set the rotation direction by pressing the rotation direction switch.
- Turn on the tool by pressing the power button. The speed increases as pressure on the button increases. Release the button to turn off the tool.



1. Power button.

## Turning On the LED Light

**CAUTION!** Do not look directly at the light or the light source.

The LED is designed to illuminate the work area in poorly lit places. When the device power button is pressed, the LED lights up automatically and turns off approximately 5 seconds after releasing the device power button.



1. LED light.

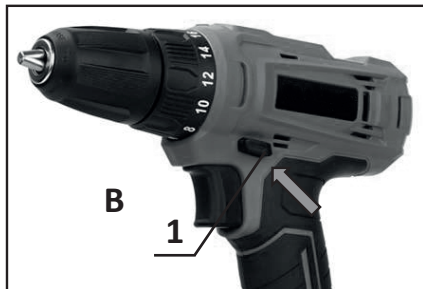
## Notes

- Clean the lens with a dry cloth. Do not allow scratches on the LED lens, as this will reduce illumination.
- If overheating occurs, the device will automatically turn off, and the LED will start flashing. Release the power button and let the device cool down.

## Switching Rotation Direction

### CAUTION!

- Always check the set rotation direction before starting work.
- Changing the rotation direction before the tool comes to a complete stop may damage the tool.
- If the tool is not in use, always set the rotation direction switch to the neutral position.



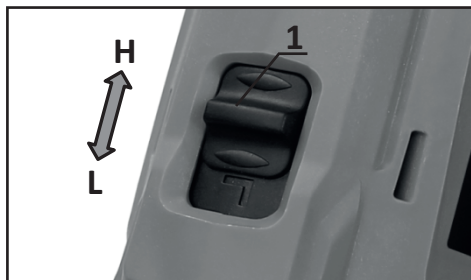
1. Rotation direction switch.

Press the rotation direction switch from side «A» to set clockwise rotation. Press the rotation direction switch from side «B» to set counterclockwise rotation. When the switch is in the neutral position, the power button is locked.

## Switching Speeds

### CAUTION!

- Always set the speed selector to one of the positions. Do not allow the selector to be set to the neutral position (between «L» and «H»), as this may damage the tool.
- Do not use the speed selector while the tool is operating, as this may damage the tool.
- If the rotation speed drops significantly while working in the «H» position, move the selector to the «L» position and resume work.



1. Speed selector.

| Pointer | Speed | Torque | Application     |
|---------|-------|--------|-----------------|
| L       | Low   | High   | Heavy load work |
| H       | High  | Low    | Light load work |

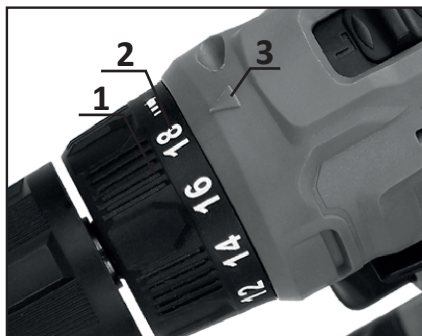
1. Turn off the tool.

2. Move the speed selector to the «H» position to set high speed, or to the «L» position to set low speed but high torque.

**Note:** Before starting work, ensure that the speed selector is set to the desired position.

## Adjusting the Tightening Torque

- The tightening torque can be adjusted to 19 settings by turning the ring (1) so that its markings (2) align with the pointer (3) on the drill body.
- The tightening torque is minimal when the number 1 is aligned with the pointer, and maximal when the «» symbol is aligned with the pointer.
- The clutch will slip at various torque levels set from 1 to 18. The clutch is designed so that it does not slip at the «» symbol setting.
- Before starting work, drive a test screw into the material or a part made of a similar material to determine the required tightening torque for this specific case.



1. Torque adjustment ring.
2. Marking.
3. Pointer.

# Starting Work

## CAUTION!

- Always insert the battery into the slot until it is fully secured, otherwise it may fall out of the tool.
- If the number of revolutions starts to drop during operation, reduce the load or stop working with the tool to avoid damage.



Hold the tool with one hand by the handle, and with the other hand by the lower part of the battery to better control the tool during operation.  
Do not block the ventilation holes, as this may lead to overheating and damage to the tool.



1. Ventilation holes.

## Driving Screws and Bolts

1. Set the torque adjustment ring to the appropriate marking for your work.  
**CAUTION!** Ensure that the bit is inserted straight into the screw head, otherwise the screw and/or bit may be damaged.
2. Insert the tip of the bit into the screw head and press the tool. Turn on the tool at a slow speed, then gradually increase it.
3. Release the power button as soon as the clutch engages.

**Note:** When driving a screw into wood, drill pilot holes (approximately 2/3 of the screw diameter) to simplify the work and prevent the wood from splitting.

## Drilling

Turn the torque adjustment ring so that the pointer on the tool body points to the «  » symbol.

### Drilling in Wood

When drilling in wood, the best results are achieved using drill bits equipped with a guide screw. The guide screw facilitates drilling by pulling the bit into the workpiece.

### Drilling in Metal

To prevent the drill bit from slipping during operation, make a dimple using a center punch or hammer at the point where drilling will occur. Place the tip of the drill bit in the dimple and start drilling.

**Note:** When drilling metals, use cutting fluid. The exceptions are cast iron and brass, which should be drilled dry.

#### **CAUTION!**

- Excessive pressure on the tool will not speed up the drilling process. Moreover, excessive pressure will damage the drill bit tip, reduce tool performance, and shorten its service life.
- Hold the drill firmly and be careful when the drill bit begins to break through the workpiece. At the moment the drill bit breaks through the workpiece, significant force is exerted on the tool/drill bit.
- A stuck drill bit can be removed by setting the rotation direction switch to reverse. However, the tool may rotate in reverse too quickly if not held firmly.
- Always secure small workpieces in a vise or similar clamping device.
- If the tool has been operating continuously until the battery is discharged, take a 15-minute break before starting work with a charged battery.

# Battery and Charger Operation

**CAUTION!** Use only accessories compatible with this power tool.

|                       |                                                                                                                             |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Li-ion battery</b> | FinePower OneBase B20 / FinePower OneBase B40 /<br>FinePower OneBase B60 / FinePower OneBase S40 /<br>FinePower OneBase S80 |
| <b>Charger</b>        | FinePower OneBase C124 / FinePower OneBase C135 /<br>FinePower OneBase C230 / FinePower OneBase C180S                       |

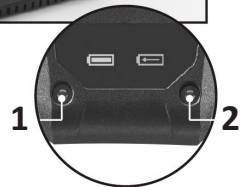
## Battery Charging

1. Disconnect the battery from the power tool. To do this, press the lock button on the battery and carefully remove it from the power tool.



2. Connect the charger to the power supply. The indicator will light up green.
3. Insert the battery into the charger and ensure the connection is correct.
4. The indicator will glow red, indicating that charging is in progress.
5. When charging is complete, the indicator will light up green. Disconnect the charger from the power supply and remove the battery.

**CAUTION:** When disconnecting the charger from the power supply, do not pull the cord.



1. Charged.
2. Charging.

| Battery    | Nominal* battery runtime |
|------------|--------------------------|
| B20 2.0 Ah | ≥ 75 min                 |
| B40 4.0 Ah | ≥ 150 min                |
| B60 6.0 Ah | ≥ 225 min                |
| S40 4.0 Ah | ≥ 151 min                |
| S80 8.0 Ah | ≥ 302 min                |

\* Approximate device operating time with a fully charged battery under light load conditions.

|                            |                  |
|-------------------------------------------------------------------------------------------------------------|------------------|
| Charge level indicator                                                                                      | Charge remaining |
| <br>Green<br>Orange<br>Red | 75–100%          |
| <br>Orange<br>Red          | 25–50%           |
| <br>Red                    | 10–25%           |

## Equipment Protection System

This device is equipped with a motor and battery protection system that automatically cuts off power to extend their service life. Power is cut off in the following cases:

- Overload protection.**  
 If the current exceeds the maximum permissible value during equipment operation, the device automatically stops working. To resume operation, turn off the device and eliminate the cause of the overload.
- Overheat protection.**  
 If the battery overheats during operation, the device automatically stops working. Wait for the device to cool down before continuing work.
- Battery protection.**  
 If the battery charge is too low, the device automatically stops working. Remove the battery pack and charge the battery.

# Specifications

|                                                                  |                |
|------------------------------------------------------------------|----------------|
| <b>Model</b>                                                     | CDBR30         |
| <b>Trademark</b>                                                 | FinePower      |
| <b>Voltage (V)</b>                                               | 20             |
| <b>Speed (rpm)</b>                                               | 0–400 / 0–1500 |
| <b>Torque settings</b>                                           | 18 + 1         |
| <b>Max. torque (Nm)</b>                                          | 30             |
| <b>Chuck type</b>                                                | Keyless        |
| <b>LED light</b>                                                 | Yes            |
| <b>IP code</b>                                                   | IP20           |
| <b>Sound pressure level LpA (K=3), dB(A)</b>                     | 71.4           |
| <b>Sound power level LwA (K=3), dB(A)</b>                        | 79.2           |
| <b>Vibration level during operation (K=1.5), m/s<sup>2</sup></b> | 1.4            |
| <b>Scope of application</b>                                      | Domestic       |

## Package Contents

- Cordless drill.
- Accessory box:
  - Metal drill bits,  $\varnothing$ : 2 mm, 2.5 mm, 3 mm, 4 mm, 5 mm, 6 mm.
  - Bits: PH1 / PH2 / PZ1 / PZ2 / SL5 / SL6.
  - Magnetic bit holder.
- Belt clip.
- Li-ion battery\*.
- Charger\*.
- Case.
- User manual.

## Maintenance and Care

### CAUTION!

- Before performing any inspection or maintenance work, always ensure that the tool is turned off and the battery is removed.
- It is forbidden to use gasoline, naphtha, thinner, alcohol, etc. This may lead to discoloration, deformation, and cracking.

Repairs, any other maintenance, or adjustments must be performed at authorized service centers.

Wipe the device with a soft, damp cloth. Do not use aggressive detergents. Do not expose the tool to moisture.

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\* Availability, model, and quantity depend on the delivery package.

## **Rules and Conditions for Installation, Storage, Transportation, Sale (Distribution), and Disposal**

- This device requires no assembly or mounting.
- The device must be stored in its original packaging, on heated premises, both at the manufacturer's and at the consumer's sites. The ambient temperature should be between +5 °C and +40 °C, and the relative humidity should not exceed 80% (non-condensing). The storage area must be free from aggressive contaminants (e.g., acid or alkali vapors) that could cause corrosion.
- The device must be transported in a dry place.
- The device requires careful handling. Protect it from exposure to dust, dirt, impact, moisture, fire, and other hazards.
- Sale or distribution of the device must be carried out in accordance with local legislation.
- Upon expiration of the device's service life, it must not be disposed of with unsorted household waste. Instead, it must be taken to an authorized collection point for electrical and electronic equipment for subsequent recycling and disposal in accordance with federal or local legislation. By ensuring proper disposal of this product, you help conserve natural resources and prevent potential harm to the environment and human health that may result from improper handling. For more detailed information about collection and disposal points for this product, please contact your local municipal authorities or your household waste disposal service.
- If a device malfunction is detected, immediately contact an authorized service center or dispose of the device.

## Warranty Information

The manufacturer guarantees the device will function properly throughout the warranty period and be free from defects in materials and assembly. The warranty period commences on the date of purchase and applies to new products only. Warranty service includes free repair or replacement of defective parts that fail during the warranty period, provided the failure is not caused by consumer misuse and the product is operated in accordance with the user manual. Repairs or part replacements shall be performed at authorized service centers.

**Warranty Period:** 36 months

**Service Life:** 48 months

For the up-to-date list of authorized service centers, please visit:  
<https://www.dns-shop.ru/service-center/>

## Additional Information

**Manufacturer:** Ningbo Liangye Electric Appliances Co., Ltd.

Qianhouchen Village, Yunlong Town, Yinzhou District, Ningbo City, Zhejiang, China.

Made in China.

The product meets the requirements of the technical regulations of the TR CU (EAEU).

Product specifications, information and appearance are subject to change without prior notice, for quality improvement of our products.



Production date (mm.yyyy): \_\_\_\_\_ v.1

FinePower