User Manual

Cordless Drill/Driver
OneBase
XCDHBL40

FinePower

Contents

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

- Keep the work area clean and well lit. Cluttered or unlit areas may lead to accidents.
- Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

Electrical Safety

- Avoid body contact with earthed surfaces (pipes, radiators, cookers, and refrigerators). If your body is earthed, the risk of electric shock increases.
- Protect the power tool from rain and moisture. Water entering a power tool increases the risk of electric shock.
- When using the power tool outdoors, use extension cables suitable for outdoor use. Using a cable suitable for outdoor use reduces the risk of electric shock. The outlet should be equipped with a fuse or residual current device.

Personal Safety

- Stay alert when working with the power tool. Do not use the power tool if you are tired or under the influence of alcohol, drugs, or medication. A moment of inattention while operating the tool may result in serious injury.
- Use personal protective equipment (safety mask, non-slip footwear, helmet, or hearing protection) depending on the type of work. This reduces the risk of injury.
- Wear suitable work clothing. Do not wear loose clothing or jewellery. Keep hair, clothing, and gloves away from moving parts.
- Prevent unintentional starting. Before connecting the power tool to the power supply and/or battery pack, make sure the device is switched off. Do not carry a plugged-in tool with your finger on the switch.
- Remove any adjusting keys or wrenches before turning on the power tool. A wrench or key left attached to a rotating part of the tool may cause injury.

- Do not overreach. Always maintain proper footing and balance. This allows better control of the power tool in unexpected situations.
- In the event of a power failure or other involuntary shutdown, immediately switch off the device. If the power tool remains switched on when power is restored, it may start unexpectedly, causing injury and/or property damage.
- Failure to follow the operating instructions and safety rules may result in electric shock, fire, and/or serious injury. The manufacturer and its authorised representatives shall not be liable for damage caused by use of the tool contrary to the requirements of this manual.

Precautions When Using the Device

- Use the tool, accessories, bits, etc. only in accordance with the instructions in this manual, taking into account the actual working conditions. Using the power tool for unintended purposes is dangerous.
- Do not use the tool if the power switch is faulty.
- The 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 moving parts of the tool are securely fastened and in good working order. If the tool is damaged, it must be repaired.
- Disconnect the power when inserting/removing battery packs.
- Before setting the tool aside after use, switch it off and wait for all rotating parts to come to a complete stop.
- Charge the battery only with the compatible charger specified by the manufacturer. A charger suitable for one type of battery may create a fire risk when used with other battery types.
- Keep the charger free of dust and dirt.
- Use only undamaged accessories.
- Ensure that the drill bit can penetrate the workpiece without damaging the underlying surface.
- Servicing must be performed by qualified personnel using original spare parts. This ensures the safety of the power tool.
- Hold the tool by the insulated gripping surface when working in conditions where bits or accessories may come into contact with hidden wiring. Contact with live wires will make exposed metal parts of the tool live and could give the operator an electric shock.
- Do not touch the bit immediately after switching off the tool.
- Do not place your hands under the workpiece.
- Do not remove sawdust or chips near the bit with your hands.
- Before taking a break, finish the operation and switch off the tool.
- Regularly check the bolted connections on the power tool.

Proper Use of the Tool

- This device is not intended for commercial use.
- Do not use the tool with a faulty switch. A power tool that cannot be controlled with the switch is dangerous and must be repaired.
- Before making any adjustments, changing accessories, or storing it, make sure the tool is switched off.
- Do not allow the tool to be used by persons who are unfamiliar with it or who have not read this manual.
- Use the tool, accessories, bits, etc. in accordance with these instructions, considering the working conditions and the work to be performed. Using the tool for operations different from those intended may result in hazardous situations.
- When not in use, the tool should be stored in a dry, enclosed place.

List of Critical Failures

- Do not use if there is heavy sparking.
- Do not use if there is severe vibration.
- Do not use if smoke appears directly from the device housing.

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.

Limit State Criteria

- Presence of any damage to the device housing: cracks, deformations, and mechanical damage to the outer and inner surfaces of the main assembly units, leading to loss of tightness and operability of the device.
- Expiration of the specified service life.

Possible Operator Errors

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

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.

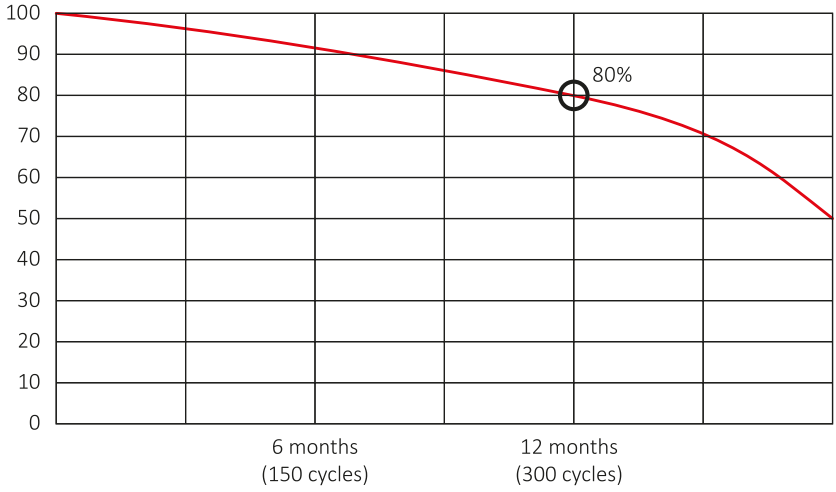
Battery Capacity and Charge-Discharge Cycles

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%.

Battery Capacity and Number of Charge-Discharge Cycles



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 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.

Specifications

- Model: XCDHBL40.
- Trademark: FinePower.
- Battery voltage: 12 V.
- Chuck type: Keyless chuck.
- Maximum torque: 40 N·m.
- Torque settings: 21 + 1 + 1.
- No load speed: 0–450 / 0–1600 RPM.
- Impact rate: 0–7500 / 0–25500 BPM.
- Vibration total values (K=1.5): 2.5 m/s^2.
- A weighted sound pressure LpA (K=3): 75.9 dB(A).
- A weighted sound power LwA (K=3): 86.9 dB(A).
- IP code: IP20.
- Protection class: III.
- Scope of application: Domestic.

Package Contents

- Cordless drill/driver.
- PH2/SL6 driver bits.
- User manual.

Device Diagram

1. Keyless chuck.
2. Torque adjustment collar.
3. Mode selector ring.
4. Speed selector switch.
5. Ventilation slots.
6. Battery level indicators.
7. Forward/reverse switch.
8. Handle.
9. Battery release button.
10. Battery pack*.
11. Power switch.
12. LED indicator.

* Not included in the package.

Battery and Charger Operation

CAUTION: Use only accessories compatible with this power tool.

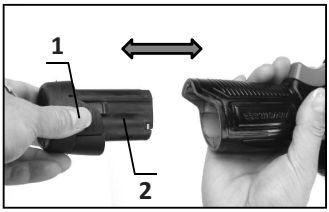
Li-ion battery	FinePower OneBase XB20, FinePower OneBase XB40
Charger	FinePower OneBase XC120

Battery	Rated operating time per battery charge*, min:
XB20 2.0 Ah	≥25
XB40 4.0 Ah	≥50

Installing and Removing the Battery Pack

CAUTION

- Always switch off the tool before installing or removing the battery pack.
- Hold the battery pack and the tool firmly when installing or removing the battery. Otherwise, they may slip from your hands, which may result in damage or even injury.



To remove the battery (2), pull it downwards while simultaneously pressing the battery release buttons (1) on both sides of the battery pack.

To install, align the tongue of the battery pack with the groove on the housing and insert the battery into the tool until it clicks into place.

Notes

- Insert the battery all the way in. If the battery pack is not securely locked, it may fall out of the tool.
- Do not apply excessive force when installing the battery pack. If you cannot insert the battery into the tool, check that it is properly aligned.

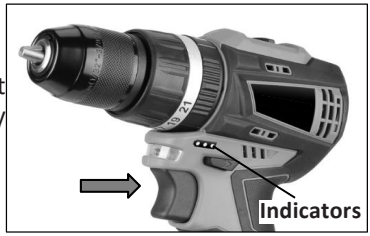
Battery Level Indication

To check the remaining battery charge, press the power switch and look at the indicators at the bottom of the device.

Charge level:

- Three indicators lit — full charge.
- Two indicators lit — 30–60% charge.
- One indicator lit — 10–30% charge.

Note: Depending on usage conditions and ambient temperature, the charge indication may slightly differ from the actual charge.



Battery and Tool Protection System

This tool is equipped with a protection system that automatically cuts off power to the motor in the following cases to extend the service life of both the tool and the battery.

Tool Overload

If the battery draws an excessively high current during operation, the tool will automatically shut down. In this situation, turn off the tool and stop the action that caused the overload. Then, turn the tool on again.

Tool Overheating

If the tool or the battery pack overheats, the tool will automatically shut down. In this case, allow the tool and the battery pack to cool down before turning it on again.

Low Battery

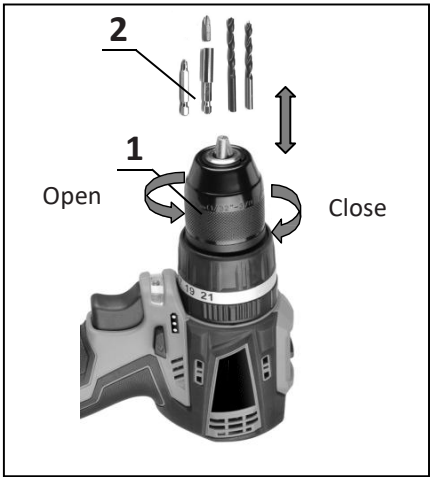
When the battery charge is too low, the tool will automatically shut down. Remove the battery pack and recharge it.

Assembly

CAUTION: Before assembling or disassembling the tool, ensure that it is switched off and the battery pack is removed.

Installing and Removing Drill Bits and Driver Bits

- Turn the keyless chuck (1) clockwise to open the clamping jaws. Insert the drill bit or driver bit (2) fully into the chuck. Turn the chuck counterclockwise to tighten it.
- To remove the drill bit or driver bit, turn the chuck clockwise.



Operating Instructions

Turning On/Off

Note: Before each use, check that the power switch operates correctly and returns to the original position when released.

- To start the drill/driver, press the power switch. The rotation speed increases as the pressure on the switch increases.
- Release the power switch to stop the tool.

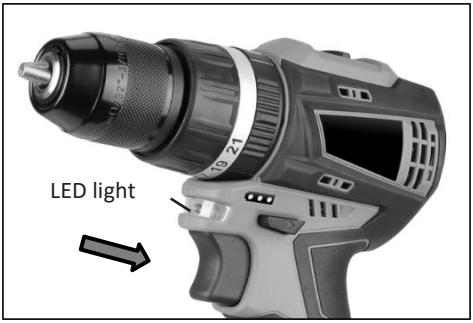
LED Light

CAUTION: Do not look directly at the LED light when it is switched on.

The LED light is designed for use in poorly lit areas. When the power switch is pressed, the LED light turns on automatically and switches off approximately 10 seconds after the switch is released.

Notes

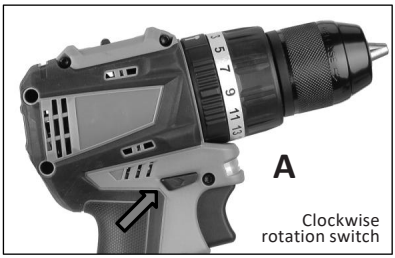
- If the drill/driver suddenly shuts down during use and the LED light flashes 4 times, this indicates that the tool has overheated. Release the power switch and allow the tool to cool down.
- Periodically wipe dust and dirt off the LED light cover with a dry, soft cloth. Be careful not to scratch the surface, as this may reduce the brightness of the light.



Switching the Rotation Direction

CAUTION

- Always check the set direction of rotation before starting work.
- Changing the direction of rotation before the tool has come to a complete stop may cause damage to the tool.
- When the tool is not in use, always set the forward/reverse switch to the neutral (center) position.



Press the forward/reverse switch on side «A» to set the rotation direction to clockwise. Press the forward/reverse switch on side «B» to set the rotation direction to counterclockwise.

Note: When the forward/reverse switch is in the neutral (center) position, the power switch is locked.

Speed Switching

CAUTION

- Always slide the speed switch fully to the «L» or «H» position. Operating the tool with the switch in the neutral (middle) position may damage the tool.
- Do not switch speeds while the tool is running, as this may damage it.
- If the rotation speed drops significantly during operation in the «H» position, switch to the «L» position and resume work.

Mark	Speed	Torque	Application
L	Low	High	High load
H	High	Low	Low load

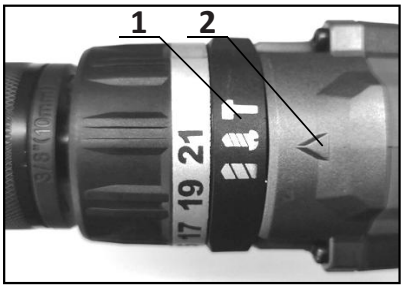
1. Turn off the tool.
2. Slide the speed switch to «H» to set high speed, or to «L» to set low speed and high torque.

Note: Before starting the tool, make sure the speed switch is set to the desired position.

Mode Selection

CAUTION

- Always turn the mode selector ring fully to the desired mode icon. If the selector is left between modes during operation, it may damage the tool.
- When switching from the «» mode to other modes, the selector ring may be difficult to turn. If this happens, start the tool, let it run for one second in the «», mode, then stop it and move the selector to the desired position.



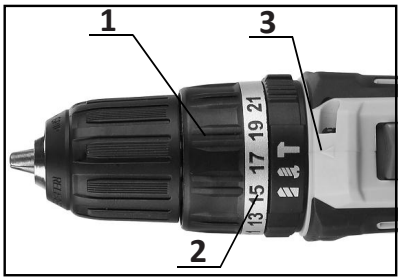
1. Mode selector ring.
2. Mode mark.

You can choose one of three operating modes:

- — Drilling mode (rotation only).
- — Hammer drilling mode (rotation with impact).
- — Screwdriving mode (rotation with clutch slip).

Select the mode best suited for your current task. Turn the mode selector ring and align the chosen mode with the mark on the tool housing.

Torque Adjustment



1. Torque adjustment collar.
2. Torque settings.
3. Pointer.

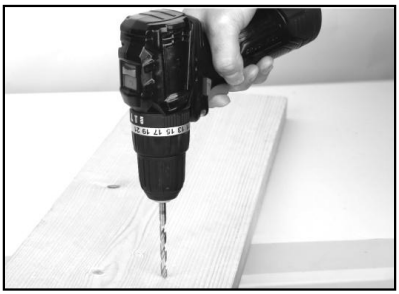
- Adjust the tightening torque by turning the torque collar so that the desired number aligns with the pointer on the tool housing. The tightening torque is at its minimum when the number 1 is aligned with the pointer, and at its maximum when the number 21 is aligned.
- Before starting work, drive a test screw into the material to determine the required torque setting for the specific application.

Operating the Tool

CAUTION

- Always insert the battery pack into the slot until it clicks and locks into place; otherwise, it may fall out.
- If the rotation speed suddenly drops during operation, reduce the load or stop the tool to prevent damage.

Hold the tool with one hand on the handle and the other hand supporting the bottom of the battery pack for better control during operation.



CAUTION: Do not block the ventilation slots of the tool.

Driving Screws

Turn the mode selector to the «» position. Set the torque collar to the appropriate setting for the task.

1. Place the tip of the driver bit into the screw head and press the tool against it.
2. Start the tool at low speed, then gradually increase it.
3. Release the power switch as soon as the clutch engages (when the screw is fully driven).

Note: When driving screws into wood, pre-drill pilot holes (approximately 2/3 of the screw diameter) to facilitate the process and prevent the workpiece from splitting.

Hammer Drilling

CAUTION: When breaking through the material, when the hole becomes clogged with chips and dust, or when striking reinforcing bars embedded in concrete, a sudden high torque may be exerted on the tool and the drill bit.

1. Turn the mode selector ring to the «T» position. The torque collar can be set to any position.
2. Place the tip of the drill bit at the desired drilling location, then press the power switch. Do not apply excessive pressure to the tool.
3. Hold the tool firmly in position and prevent it from slipping out of the hole.

Notes

- Use only bits with a carbide tip (e.g., tungsten carbide) for hammer drilling.
- Do not increase the pressure when the hole becomes clogged with chips or dust; instead, release the power switch and partially withdraw the drill bit from the hole. Repeat this several times to clear the hole and resume normal drilling.

Drilling

Turn the mode selector ring to the «» position.

Drilling Wood

For best results when drilling wood, use bits with a pilot screw thread. The thread makes drilling easier by pulling the drill bit into the workpiece.

Drilling Metal

To prevent the drill bit from slipping during operation, use a center punch and a hammer to make an indentation at the drilling point. Place the tip of the drill bit into the indentation and begin drilling.

Note: When drilling metals, use a special cutting lubricant. 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, it may cause damage to the drill bit tip, reduce the tool's performance, and shorten its service life.
- A stuck drill bit can be removed by setting the forward/reverse switch to the reverse position. However, if you do not hold the tool firmly, it may jerk backward suddenly.
- Always secure small workpieces in a vice or similar clamping device.
- If the tool has been operated continuously until the battery is depleted, allow a 15-minute break before starting work with a charged battery.

Maintenance and Care

CAUTION

- Before performing any inspection or maintenance, always ensure that the tool is switched off and the battery pack is removed.
- Do not use gasoline, naphtha, solvents, alcohol, etc., for cleaning the device. This may cause discoloration, deformation, and cracking.
- Do not wash the device in water.

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 cleaning agents.

Troubleshooting Guide

Issue	Possible cause	Solution
Power tool does not operate	Battery is depleted	Recharge the battery
	Battery is faulty or damaged	Replace the battery
Motor runs slowly / loses speed	Battery is depleted	Recharge the battery
	Battery is faulty or damaged	Replace the battery
Battery does not charge / charger indicator does not work	Fuse is blown	Replace the fuse
	Charger is faulty	Replace the charger

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

- The installation and mounting conditions for the device are described in the «Assembly» section of this user manual.
- 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: 24 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