

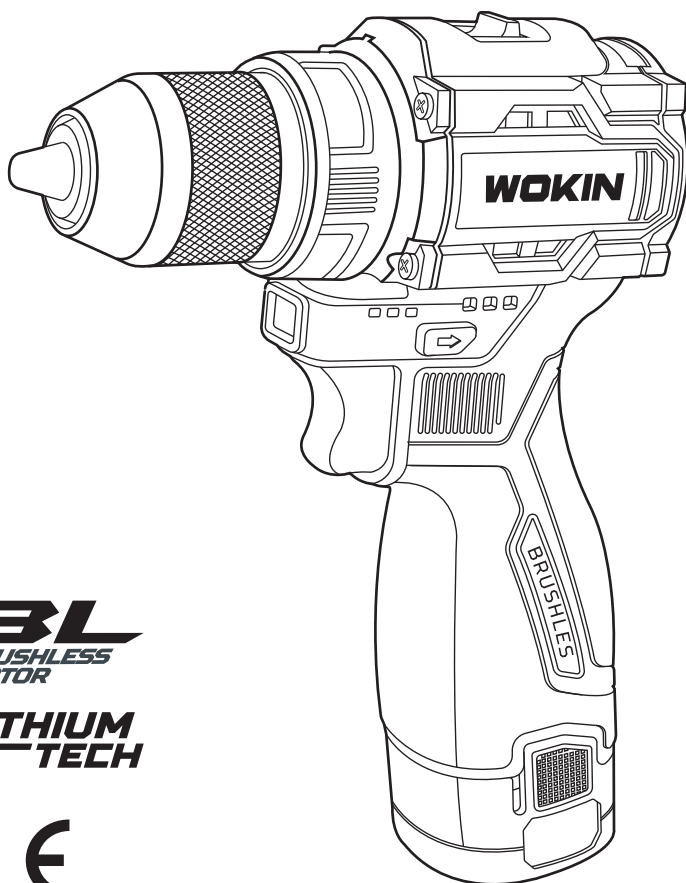
# WOKIN

780101

## LI-ION CORDLESS IMPACT DRILL INSTRUCTION MANUAL

**16V**

**INDUSTRIAL**



**BL**  
BRUSHLESS  
MOTOR

**LITHIUM**  
TECH



SAVE THIS MANUAL!

You will need this manual for safety instructions, operating procedures and warranty.  
Put it and the original sales receipt in a safe dry place for future reference.

## IMPORTANT SAFETY INFORMATION

### General Safety

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**WARNING:**

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

**WARNING:**

This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children must be supervised to ensure that they do not play with the appliance.

Save all warnings and instructions for future reference

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### Work area safety

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1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. 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.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### Electrical safety

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1. Power tool plugs must match the outlet. Never modify the plug in anyway. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
2. 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.
3. **DO NOT** expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. **DO NOT** abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) or ground fault circuit interrupter (GFCI) protected supply. Use of an RCD or GFCI reduces the risk of electric shock.
7. Power tools can produce electromagnetic fields [EMF] that are not harmful to the user. However, users of pacemakers and other similar medical devices should contact the maker of their device and/or doctor for advice before operating this power tool.

## Personal safety

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1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. 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.
5. **DO NOT** overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust-related hazards.
8. Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles. A careless action can cause severe injury within a fraction of a second.

## Power tool use and care

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1. **DO NOT** force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. **DO NOT** use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. 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. Such preventive safety measures reduce the risk of starting the power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.
8. Keep handles and grasping surfaces dry, clean and free from oil and grease. Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

## Battery Tool Use and Care

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1. Recharge 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.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
5. Do not use a battery pack or tool that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. Do not expose a battery pack or tool to fire or excessive temperature. Exposure to fire or temperature above 130 °C may cause explosion.
7. Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions. Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

## Service

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1. 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.
2. Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.
3. Follow instruction for lubricating and changing accessories.

## Cordless impact wrench safety warnings

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1. Hold the power tool by insulated gripping surfaces, when performing an operation where the fastener may contact hidden wiring. Fasteners contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
2. Wear ear protectors.
3. Check the impact socket carefully for wear, cracks or damage before installation.
4. Hold the tool firmly.
5. Keep hands away from rotating parts.
6. Do not touch the impact socket, bolt, nut or the workpiece immediately after operation. They may be extremely hot and could burn your skin.
7. Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.
8. The proper fastening torque may differ depending upon the kind or size of the bolt.  
Check the torque with a torque wrench.
9. Make sure there are no electrical cables, water pipes, gas pipes etc. that could cause a hazard if damaged by use of the tool.

## Battery Safety

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### WARNING:

**Li-Ion batteries, if incorrectly used, stored or charged are a fire, burn and explosion hazard.**

1. Keep the battery out of reach of children.
2. ONLY charge Li-Ion batteries using the charger provided or designed specifically for your product.
3. ONLY use Li-Ion batteries provided with a product or specifically designed to be compatible.
4. Allow batteries to cool for 15 minutes after charging or heavy use. Failure to follow these instructions may cause overheating or fire.
5. When not in use batteries should be stored at room temperature.
6. Ensure that battery contacts cannot accidentally short in storage. Keep batteries clean; foreign objects or dirt may cause a short. Keep away from other metal objects, for example, paperclips, coins, keys, nails and screws.
7. Under abusive conditions, liquid may be ejected from the battery. This liquid may cause skin irritation or burns. Avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, seek medical help.
8. DO NOT open, disassemble, crush, heat above 60°C or incinerate. Do not dispose of in fire or similar.

## Battery Charger Safety

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### Use the battery charger correctly

1. Refer to the section of this manual relating to use of the battery charger before attempting to charge the battery.
2. Do not attempt to use the charger with any batteries other than those supplied. Keep your battery charger clean; foreign objects or dirt may cause a short or block air vents. Failure to follow these instructions may cause overheating or fire.
3. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

### WARNING:

**This charger can only be used to charge the batteries which has WOKIN GP20V symbol. If it is used to charge other kinds of batteries, there is a risk of explosion.**

**DO NOT attempt to recharge non-rechargeable batteries.**

## SAVE THESE INSTRUCTIONS








### WARNING:

**DO NOT let comfort or familiarity with product [gained from repeated use] replace strict adherence to safety rules for the subject product. MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.**


## Note: Symbology

Pay attention to all the signs and symbols shown in these instructions and on your tool. Make a note of these signs and symbols. If you interpret the signs and symbols correctly, your work with the machine will be safer and better.

	Read the instructions for use before starting the machine.
	Wear safety goggles.
	Wear ear protection.
	Wear good quality, strong gloves.
	Always use breathing apparatus when machining materials which generate dust.
	Operating environmental temperature.
	Keep away from fire
	Do not throw it into water

	<b>WARNING</b>
	Battery pack is part of the recyclable resources
	Class II
	For indoor use only
	Polarity
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Batteries and rechargeable batteries are not household waste! As a consumer, you are required by law to dispose of all batteries and accumulators, whether or not they contain harmful substances *, at a collection point in your municipality / neighborhood or in commerce so that they can be disposed of in an environmentally sound manner.

SPECIFICATIONS

Voltage	16V 
No-load speed	0-450/0-1900min <sup>-1</sup>
Clutch	21+1 setting rings
Impact rate	0-6750/0-30000ipm
Max torque	Max. torque: 58N·m (510in.lbs.)
Chuck	13mm(1/2") metal single sleeve
Power	Li-ion, 2×2000mAh
Charger	AC 100-240V, Europlug
Max. drilling capacity in wood	38mm (1-1/2")
Max. drilling capacity in steel	13mm (1/2")
Max. drilling capacity in concrete	13mm (1/2")



PRODUCT FEATURES

- 1. Gear selector
- 2. Torque adjustment collar (18+1 clutch settings)
- 3. 3/8" Keyless chuck
- 4. LED precision light
- 5. Battery indicator light
- 6. Sound-enabled Power trigger
- 7. Forward/Reverse switch and safety lock
- 8. Ergonomic handle
- 9. Fast Charging Battery pack
- 10. Battery release button



## ASSEMBLY

### BATTERY SAFETY

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Use only battery charges listed on the accessories page. Only these battery charges are matched to the lithium ion battery of your power tool.

Note: The battery is supplied partially charged. To ensure full capacity of the battery, completely charge the battery in the battery charger before using your power tool for the first time. The lithium ion battery can be charged at any time without reducing its service life. Interrupting the charging procedure does not damage the battery.

Do not continue to press the Power Trigger after the machine has been automatically switched off. The battery is equipped with a NTC temperature control which allows charging only within a temperature range of between 32°F and 113°F [0 °C and 45 °C]. A long battery service life is achieved in this manner.

### CHARGING THE TOOL

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Before any work on the machine itself (e. g. maintenance, attachment change, etc.) as well as during transport and storage, remove the battery from the power tool.

There is danger of injury when unintentionally pressing the Power Trigger.

The drill spindle is locked when the Power Trigger is not pressed. This provides for a quick, convenient and easy changing of the tool in the drill chuck.

Open the keyless chuck by turning in a Counterclockwise direction, until the tool can be inserted. Insert the tool. Firmly tighten the collar of the keyless chuck by hand in a clockwise direction.

## OPERATION

### INSERTING THE BATTERY

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Use only original lithium ion batteries with the voltage listed on the nameplate of your power tool.

Using other batteries can lead to injuries and pose a fire hazard.

Note: Use of batteries not suitable for the machine can lead to malfunctions of or cause damage to the power tool.

Set the Forward/Reverse switch to the centre position in order to avoid unintentional starting. Insert the charged battery into the handle so that it can be felt to engage and faces flush against the handle.



## SETTING THE DIRECTION SWITCH

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The Forward/Reverse switch is used to reverse the rotational direction of the machine. However, this is not possible with the Power Trigger actuated.

Right Rotation : For drilling and driving in screws, push the Forward/Reverse switch left to the stop.

Left Rotation: For loosening and unscrewing screws and nuts, press the Forward/Reverse switch through to the right stop.

## SETTING THE TORQUE

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Actuate the gear selector only when the machine is at a standstill.

Two speed ranges can be preselected with the gear selector

Gear I: Low speed range; for screwdriving or working with large drilling diameter.


Gear II: High speed range; for working with small drilling diameter.

If the gear selector cannot be pushed through to the stop, lightly turn the drill chuck with drill.

## SETTING THE MODELS

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With the torque adjustment collar the required torque setting can be preselected in 19 steps. With the correct setting, the inserted attachment is stopped as soon as the screw is screwed flush into the material or when the adjusted torque is reached.

The safety lock is deactivated in the "" position, e. g. for drilling.

Select a higher setting or switch to the "" symbol when unscrewing screws.

## SWITCHING ON AND OFF

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To start the machine, press the Power Trigger and keep it pressed.

The power light lights up when the Power Trigger is slightly or completely pressed, and allows the work area to be illuminated when lighting conditions are insufficient.

To switch off the machine, release the Power Trigger.

To save energy, only switch the power tool on when using it.

## ADJUSTING THE SPEED

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The speed of the switched on power tool can be variably adjusted, depending on how far the Power Trigger is pressed.

Light pressure on the Power Trigger switch results in a low rotational speed. Further pressure on the trigger results in an increase in speed.

## **FULLY AUTOMATIC SPINDLE LOCKING (AUTO-LOCK)**

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When the Power Trigger is not pressed, the drill spindle and thus the tool holders are locked.

This enables screws to be screwed in, even when the battery is empty, and allows for the machine to be used as a screwdriver.

## **RUN-ON BRAKE**

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When the Power Trigger is released, the chuck brakes to a stop, thus preventing the run-on of the tool. When driving in screws, wait until the screw is screwed in flush with the material and then release the Power Trigger.

By doing so, the head of the screw does not penetrate into the material.

## **TEMPERATURE DEPENDENT OVERLOAD PROTECTION**

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When using as intended for, the power tool cannot be subject to overload. When the load is too high or the allowable battery temperature range of 32°F - 158°F (0°C-70°C is exceeded, the speed is reduced. The power tool will not run at full speed until reaching the allowable battery temperature.

## **WORKING ADVICE**

Apply the power tool to the screw only when it is switched off. Rotating tool inserts can slip off. After longer periods of working at low speed, allow the machine to cool down by running it for approx. 3 minutes at maximum speed with no load. For drilling in metal, use only perfectly sharpened HSS drill bits (HSS=high-speed steel). Before screwing larger, longer screws into hard materials, it is advisable to predrill a pilot hole with the core diameter of the thread to approx. 2/3 of the screw length.

# CE DECLARATION OF CONFORMITY

WE  
ZJG WOKIN INDUSTRIAL CO.,LTD.  
350 YANGJIN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA.

Declare that the product  
780101  
LI-ION CORDLESS IMPACT DRILL

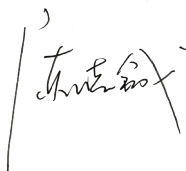
Complies with the essential health and safety requirements of the following Directices:

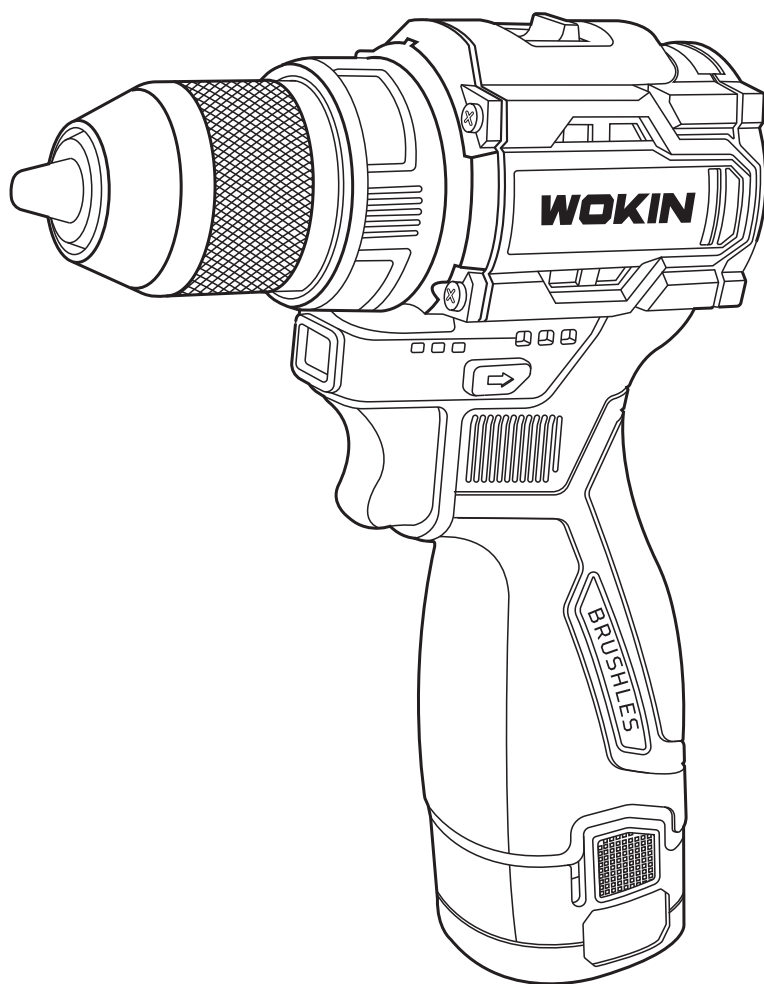
council directive 2006/42/EC  
Standards and technical specifications referred to:  
EN 62841-2-1:2018+A11:2019+A12:2022+A1:2022  
EN 62841-1:2015+A11:2022, EN IEC 55014-1:2021  
EN IEC 55014-2:2021  
EN IEC 61000-3-2:2019+A1:2021+A2:2024  
EN 61000-3-3:2013+A1:2019+A2:2021

Authorised Signatory and technical file holder  
Signed for and on behalf of:

ZJG WOKIN INDUSTRIAL CO.,LTD.  
350 YANGJIN ROAD, ZHANGJIAGANG,  
JIANGSU, CHINA.  
CHEN XIAO CHENG  
Group Quality Director

on:07/02/2022





**ZJG WOKIN  
INDUSTRIAL  
CO.,LTD.**

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