

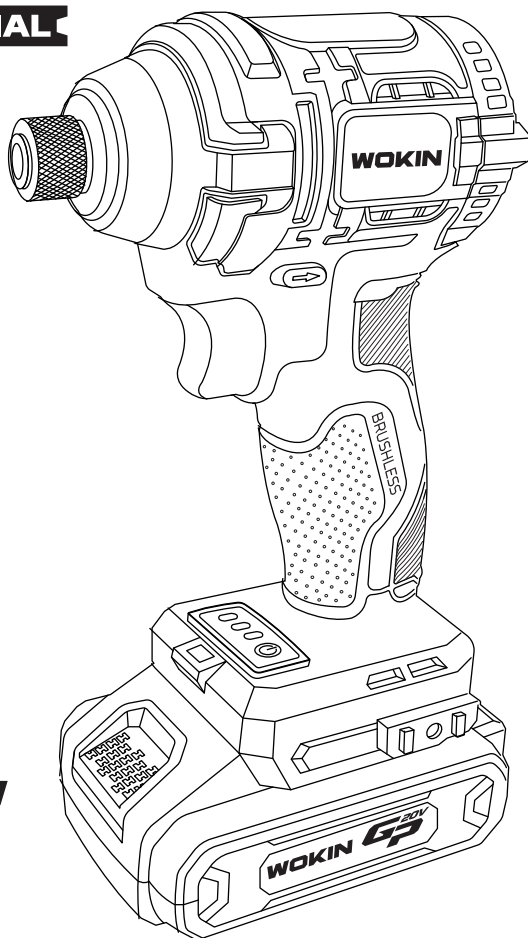
WOKIN

620220

CORDLESS IMPACT DRIVER INSTRUCTION MANUAL



INDUSTRIAL



GP^{20V}

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

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

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

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

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

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

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

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

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

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

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.

SPECIFICATIONS

Voltage	20VDC
Hex shank	1/4" (6.35mm)
No load speed(variable speed)	0-2100/0-2800/0~3600 min ⁻¹
Impacts Per Minute(variable speed)	0-2600/0-3500/0-4500 ipm
Max. torque	120/160/200N·m

 REVERSE ROTATION AUTO STOP MODE

1. Due to our continuing program of research and development, the specifications herein are subject to change without notice.
2. Specifications and battery pack may differ from country to country.

Note: Symbolology

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

	WARNING
	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.

FUNCTIONS



*Not all the accessories illustrated or described are included in standard delivery.

BATTERY

Charging The Battery Pack

1. Remove the battery pack from the handle by pressing the battery lock button downwards and pulling the battery forwards and off the base of the tool.
2. Check if the power voltage on the rating plate corresponds to the voltage available.
3. Slide the battery pack onto the battery charger. The red LED will illuminate to indicate that the battery pack is being charged. When the charging process is finished, the red LED on the charging base will turn off and the green LED will illuminate.
4. During charging, it is normal for the battery to warm slightly. If you cannot charge the battery check:
 - That the electrical outlet has voltage.
 - That the charger contacts are undamaged and making contact with battery leads.

Battery Capacity Indicator

You can check the battery's power status by pressing the power display button on rear of the battery.

- Green LED lighted: the battery is fully charged
- Yellow LED lighted: The battery has charge/the battery is being charged.
- Red LED lighted: The battery is almost empty and needs to be recharged.

Work Light

The Work light can be used in poor lighting conditions to illuminate the work area. The Work light will light up as soon as you press the trigger switch.

OPERATION

Before Use

Important! Always lock the trigger switch and remove the battery from machine before doing any work on the machine!

Inserting Battery Onto The Tool

Set the rotational direction switch to the center position to protect the power tool against accidental starting. Insert the charged battery into the handle so that it can be felt to engage and faces flush against the handle.

Operating The Tool

To activate the tool, press the Trigger switch and keep it pressed. To switch off the machine, release the trigger.

The trigger is variable speed and the speed depends on the amount of pressure you apply to the trigger. Light pressure on the trigger results in a low rotational speed. Further pressure on the switch results in an increase in speed.

Forward (Clockwise) Operation

The motor has an electronic clutch with three different forward speed settings: 1, 2, and 3 (low, medium and high).

The speed setting is adjusted by pushing the "S" button on the Electronic clutch control panel on the base of the tool. If the trigger is momentarily pushed the Electronic Clutch will be activated. If one green LED is illuminated, the motor is set to Speed 1. If two green LEDs are illuminated then the motor is set to speed 2 and three green LEDs for speed 3. Push the button marked "S" on the Electronic clutch control panel to cycle through the three speed settings and select the correct one for your specific application.

Speed	RPM	IPM	Max. Torque
1st Speed	0-2100	0-2600	120 N·m
2nd Speed	0-2800	0-3500	160 N·m
3rd Speed	0-3600	0-4500	200 N·m

Starting, Stopping and Controlling Speed

These tools may be operated at any speed from 0 to full speed.

1. To start the tool, pull the trigger.

NOTE: An LED is turned on when the trigger is pulled.

2. To vary the driving speed, increase or decrease pressure on the trigger. The further the trigger is pulled, the greater the speed.

3. To stop the tool, release the trigger.

Impacting Techniques

1. The longer a bolt, screw, or nut is impacted, the tighter it will become. To help prevent damaging the fasteners or workpieces, avoid excessive impacting. Be particularly careful when impacting smaller fasteners because they require less impacting to reach optimum torque.
2. Practice with various fasteners, noting the length of time required to reach the desired torque. Check the tightness with a hand-torque wrench. If the fasteners are too tight, reduce the impacting time. If they are not tight enough, increase the impacting time.
3. Oil, dirt, rust or other matter on the threads or under the head of the fastener affects the degree of tightness. The torque required to loosen a fastener averages 75% to 80% of the tightening torque, depending on the condition of the contacting surfaces.
4. On light gasket jobs, run each fastener down to a relatively light torque and use a hand torque wrench for final tightening.

OPERATING INSTRUCTIONS

! Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Tool Set Up

! WARNING

TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION: Make sure that the Trigger is in the off-position and remove its Battery Pack before performing any procedure in this section.

Battery Charging

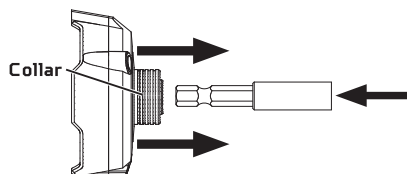
Charge battery after unpacking and before using this tool. Follow instructions included with battery charger.

Attaching/Removing Accessories

CAUTION!

Only use 1/4" hex shank bits designed for impact use. Verify bit fits the Chuck precisely before use.

1. Pull Collar forward and insert an appropriate impact-rated accessory into the hex drive Chuck. Pull on bit to ensure it is secure.
2. To remove, pull Collar forward, remove bit from Chuck and then release Collar.



Attaching Belt Clip

Using supplied screw to attach belt clip. Clip can be attached to either side.

Workpiece and Work Area Set Up

1. Designate a work area that is clean and well lit. The work area must not allow access by children or pets to prevent distraction and injury.
2. Secure loose workpieces using a vise or clamps (not included) to prevent movement while working.
3. There must not be objects, such as utility lines, nearby that will present a hazard while working.

General Operating Instructions

1. Make sure that the Trigger Switch is in the off-position, then attach the Battery Pack.
2. Insert an appropriate impact-rated accessory into the driver.
3. Set Direction Switch.

Forward: Push Switch in on right side (arrow pointing forward) for clockwise rotation.

Reverse: Push Switch in on left side (arrow pointing backward) for counter-clockwise rotation.

Trigger Lock: Push Switch to the center to lock the Trigger.

CAUTION!

Set Direction Switch to center Trigger Lock position during set up, when changing bits or when tool is idle.

4. Install bit and select direction of rotation.

NOTICE: Do not change direction of rotation while Chuck is rotating. Wait until Chuck has come to a complete stop before changing direction.

5. Press Trigger Switch to start the tool. The Work Lights will turn on when Trigger Switch is pressed and turn off a few seconds after Trigger Switch is released.

6. The tool has variable speed.

To increase speed, apply more pressure to Trigger Switch.

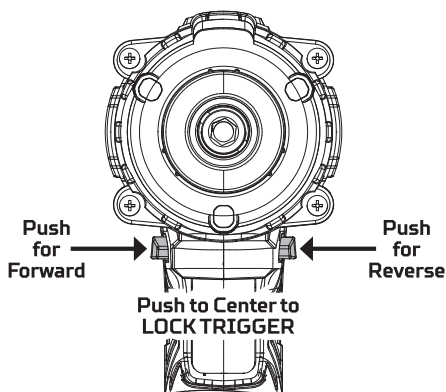
To decrease speed, lessen pressure on Trigger Switch.

7. Tighten or loosen the fastener(s) as required.

Note: The amount of actual torque will vary depending on the cleanness and condition of the threads and other factors. If tightening critical components, chase threads before assembling components and check the actual torque applied to the fastener with a mechanical torque wrench (not supplied).

8. When finished using the Impact Driver, release Trigger and center Direction Switch to lock Trigger.

9. To prevent accidents, turn off the tool and remove its Battery Pack after use. Clean, then store the tool indoors out of children's reach



TROUBLESHOOTING

Problem	Possible causes	Likely solutions
Tool will not start.	1. Battery Pack not properly connected. 2. Battery Pack not properly charged. 3. Battery Pack worn out. 4. Internal damage or wear. (Carbon brushes or Trigger, for example.) 5. Contact chips of switch or battery pack deformed. 6. Battery is not suitable for WOKIN GP20V lithium-ion power platform system 7. Overload operation	1. Remove Battery Pack, make sure there are no obstructions, clean battery contacts on tool, reinsert the Battery Pack according to its shape (it should only fit one way), and press firmly until the Battery Pack locks in place. 2. Make sure Charger is connected and operating properly. Give enough time for Battery Pack to recharge properly. 3. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. 4. Have technician service tool. 5. Replace switch or Battery Pack 6. Replace the battery of WOKIN GP20V 7. Stop to use and restart the machine after cooling.
Tool operates slowly.	1. Excess pressure applied to workpiece. 2. Battery Pack wearing out. 3. Low battery	1. Decrease pressure, allow tool to do the work. 2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. 3. Recharge or replace a fully charged battery.
Performance decreases over time.	1. Chuck damaged. 2. Battery Pack worn out. 3. Output shaft and center shaft worn out.	1. Have qualified technician replace chuck. 2. Dispose of old Battery Pack properly or recycle. Replace Battery Pack. 3. Have technician service tool.
Excessive noise or rattling.	Internal damage or wear. (gear or bearings, for example.)	Have technician service tool.
Overheating.	1. Forcing tool to work too fast. 2. Blocked motor housing vents.	1. Allow tool to work at its own rate. 2. Clean the Blocked motor housing vents

CE DECLARATION OF CONFORMITY

WE

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

Declare that the product

620220
CORDLESS IMPACT DRIVER

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

council directive 2006/42/EC

Standards and technical specifications referred to:

EN 62841-1:2015

EN 62841-2-1:2018+A11:2019

EN 55014-1:2017

EN 55014-2:2015

EN 60335-2-29:2004+A2:2010+A11:2018 to be used in conjunction with

EN 60335-1:2012

+A11:2014+A13:2017+A1:2019+A2:2019+A14:2019 and EN

62233:2008 the Low Voltage

Directive 2014/35/EU

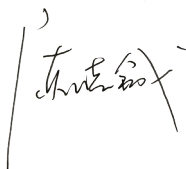
Authorised Signatory and technical file holder

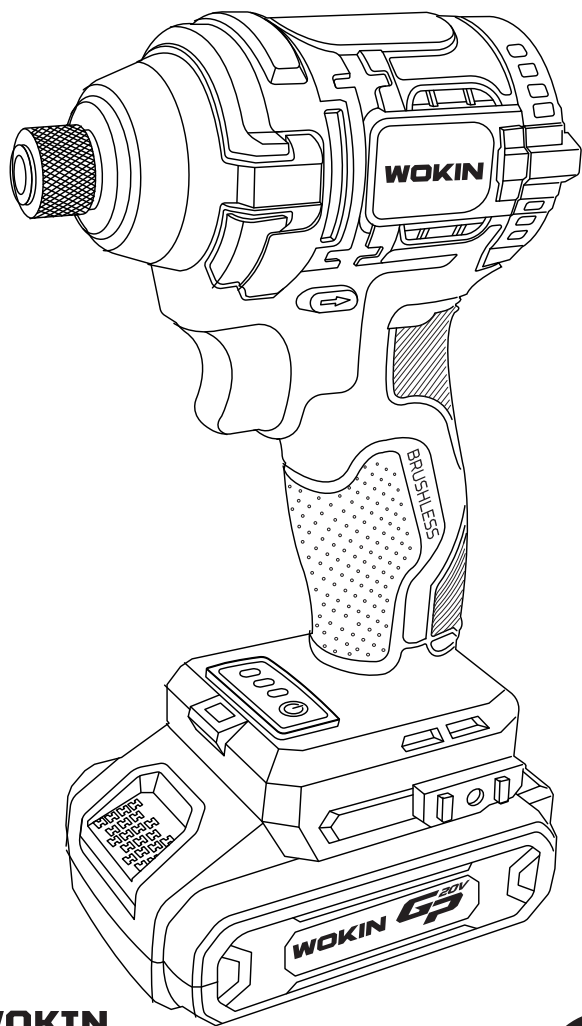
Signed for and on behalf of:

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

CHEN XIAO CHENG
Group Quality Director

on:07/02/2022





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INDUSTRIAL
CO.,LTD.**

www.wokintools.com

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