Instruction Manual

IMPACT SCREWDRIVER

Model: B1120

Product NR: DO-SD20-1120



WARNING:

To reduce the risk of injury , user must read instruction manual.

Save these instructions for future reference.

About This Instruction Manual

Read and understand this entire instruction manual before using the product. Keep this manual with the product at all times and ensure it is available to any person who operates the tool. This product is intended for use by trained personnel who are familiar with the potential hazards. Untrained persons may be at risk of injury from improper use.

Signal Word Definitions

DANGER: Indicates an imminently hazardous situation that, if not avoided, will result in death or serious injury.

WARNING: Indicates a potentially hazardous situation that, if not avoided, could result in death or serious injury.

CAUTION: Indicates a potentially hazardous situation that, if not avoided, may result in minor or moderate injury, or damage to the product or property.

General Power Tool Safety Warnings

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.

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

1) Work area safety

a) Keep work area clean and well lit. Cluttered or dark areas invite accidents.

b) 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.

c) Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

2) Electrical safety

a) Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

b) 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.

c) Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.

d) 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.

e) 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.

f) If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

NOTE： The term residual current device (RCD) may be replaced by the term ground fault circuit

Interrupter (GFCI) or earth leakage circuit breaker (ELCB).

3) Personal safety

a) 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.

b) 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.

c) 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 energizing power tools that have the switch on invites accidents.

d) 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.

e) Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

f) 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.

g) 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.

h) Do not allow familiarity from repeated use to replace careful attention to safety principles. A momentary lapse can cause severe injury in a fraction of a second.

4) Power tool use and care

a) 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.

b) 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.

c) 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.

d) 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.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) 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.

h) Keep handles and gripping surfaces dry, clean and free from oil and grease. Slippery surfaces prevent safe handling and control of the tool.

5) Battery tool use and care

a) 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.

b) Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.

c) W hen 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.

d) Under abusive conditions, liquid may be ejected from the battery; avoid contact.

e) Do not use a battery pack or tool that has been damaged or modified in any way.

Altered or damaged batteries may behave unpredictably and cause fire, explosion or injury.

f) Do not expose a battery pack or tool to fire or excessive temperature. Exposure to temperatures above 130 °C may cause explosion.

g) Follow all charging instructions and do not charge the battery pack outside the temperature range specified in this manual. Charging at improper temperatures may damage the battery and increase the risk of fire.

h) Never use the battery pack as a striking tool.

If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

6) Service

a) 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.

b) Never service damaged battery packs. Service of battery packs should only be performed by the manufacturer or authorized service providers.

c) Follow instruction for lubricating and changing accessories.

7) Cordless impact driver safety warnings

a) 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.

b) Always be sure you have a firm footing. Be sure no one is below when using the tool in high locations.

c) Hold the tool firmly.

d) Wear ear protectors.

e) Do not touch the bit or the workpiece immediately after operation. They may be extremely hot and could burn your skin.

f) Keep hands away from rotating parts.

g) Before beginning work, check the working area for concealed electric cables, gas pipes and water pipes. Contact with hidden services can cause electric shock, explosion or flooding.

Additional safety instructions for batteries and chargers

Batteries

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40 °C.

- Charge only at ambient temperatures between 4 °C and 40 °C.
- Charge only using the charger provided with the tool.
- When disposing of batteries, follow the instructions given in the section “Protecting the environment”.
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 80 °C, sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Do not dispose of batteries in fire.
- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:

✧ Carefully wipe the liquid off using a cloth. Avoid skin contact.

✧ In case of skin or eye contact, follow the instructions below:
- Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
- In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.

⚠ Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

Chargers

- Use the charger provided with the tool only to charge the battery
- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
-The charger is intended for indoor use only.

Handling Damaged Batteries

If a battery is visibly damaged, cracked or leaking fluid, do not use it. Avoid direct skin and eye contact with any leaking fluid. Wear protective gloves and eye protection. Use an appropriate absorbent material to clean up leaked fluid in accordance with local regulations.

Place the damaged battery in a non-flammable container and cover it with dry sand, chalk powder (calcium carbonate) or vermiculite. Seal the container and store it away from flammable materials. Dispose of the container through an authorised waste

collection point in compliance with local regulations.

Signs of Battery Malfunction

Watch for abnormal battery behaviour such as: failure to charge or accept a full charge, unusually long charging times, noticeable loss of power during use, unusual indicator light activity, swelling, excessive heat or leaking fluid. These may indicate an internal defect. Stop using the battery immediately and dispose of it correctly if any of these symptoms occur.

Responding to a Battery Fire

WARNING: A burning lithium-ion battery releases hazardous and potentially explosive fumes.

CE	Conforms to relevant safety standards.
	To reduce the risk of injury, user must read instruction manual.
	Ambient temperature 40° C max.
	Do not dispose of old appliances with domestic rubbish.
	Double insulation (Only for charger).
	Only use in closed rooms.
	Do not throw into water.
	Do not throw into fire.

Wear personal protective equipment when responding to a battery fire.

Use water only to extinguish a lithium-ion battery fire. Maintain the greatest possible distance from the fire. Powder extinguishers and fire blankets are not effective on lithium-ion battery fires. Nearby materials that have caught fire may be extinguished with any appropriate extinguishing agent.

Ensure adequate ventilation to allow hazardous fumes to disperse. Leave the area immediately if heavy smoke develops. Seek medical advice if respiratory irritation occurs. Alert the fire service before attempting to fight the fire.

If a battery does not cool down, is smoking or is burning: place the battery in a metal bucket filled with water using a non-flammable tool such as a shovel. Leave the battery submerged for at least 24 hours until completely cooled. Then handle it as a damaged battery (see above).

Explanation of symbols

The rating plate on your tool may show certain symbols.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE USE.

Intended use

The machine is intended for driving in and loosening screws and bolts as well as for tightening and loosening nuts within the respective range of

dimension. It can also be used to drill holes in wood, brick or metal. When drilling holes in steel, use the machine at low speed (not full speed) to improve drilling efficiency.

Items Supplied

Cordless impact driver, belt buckle, screw M4x8, instruction manual. Other system accessories available for this product are listed in the Technical Specifications table. Verify that all items are present and undamaged before use.

Technical specifications

Functional Description

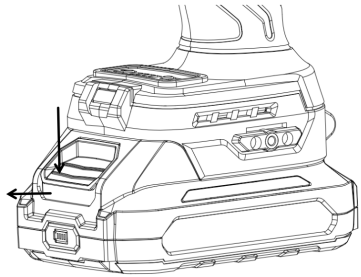


1 Lock washer
2 Lock sleeve
3 Shadowless light
4 Gear box
5 Housing cover
6 Switch button
7 Switch trigger
8 Forward/reversing lever and trigger lock
9 Motor housing
10 Mode selection/ Mode indicator
11 LED Work light
12 Battery pack release button
13 Battery pack capacity indicator switch
14 Battery pack

Operation instruction

CAUTION:Always be sure that the tool switched off and the battery cartridge is removed before adjusting or checking function on the tool.

Installing or removing battery pack



◆ Always switch off the tool before insertion or removal of the battery pack.

◆ To remove the battery pack, withdraw it from the tool while pressing the buttons

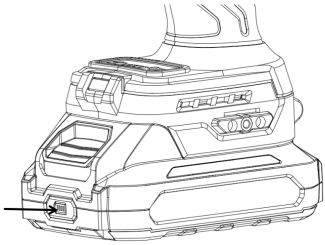
on both sides of the cartridge.

◆ To insert the battery pack, align the tongue on the battery pack with the groove in the housing and slip it into place.

◆ Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

◆ Do you use force when inserting the battery pack. If the battery pack does not slide in easily, it is not being inserted correctly.

Indicating the remaining battery capacity



1. Indicator lamps 2. Check button

Press the check button on the battery cartridge to indicate the remaining battery capacity. The indicator lamps light up for a few seconds。

Indicator lamps			Remaining capacity
Lighted	Off	Blinking	
■ ■ ■ ■			75% to 100%
■ ■ ■ □			50% to 75%
■ ■ □ □			25% to 50%
■ □ □ □			0% to 25%
◪ □ □ □			Charge the battery.
■ ■ □ □			The battery may have malfunctioned.
□ □ ■ ■			

NOTE: Please charge the battery after using each time, it is necessary to charge the battery per month if the machine is not use for a long time.

Model	LY-B1120
Battery voltage	20V(Max.)
No load speed	0-1100/2100/3100/3500 rpm
Impact rate	0-1300/2700/3500/3800 ipm
Max. torque	230N.m
Chuck capacity	1/4”(Φ 6.35mm)Hex
Standard accessories	Belt buckle--1pc; Screw M4x8--1pc

Tool / battery protection system

The tool is equipped with a tool/battery protection

system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will

automatically stop during operation if the tool or battery is placed under one of the following conditions:

Overload protection

When the battery is operated in a manner that causes it to draw an abnormally high current, the tool stops automatically. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection

When the tool is overheated, the tool stops automatically, and the front lamps blink. In this situation, let the tool cool before turning the tool on again.

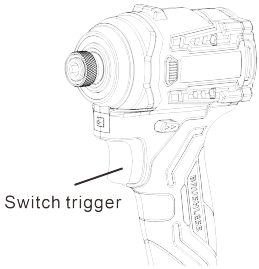
Overdischarge protection

When the battery capacity is not enough, the tool stops automatically. In this case, remove the battery from the tool and charge the battery.

Switch action

Caution:

Before inserting the battery cartridge into the tool, always check to see that the switch trigger actuates properly and returns to the “OFF” position when released.



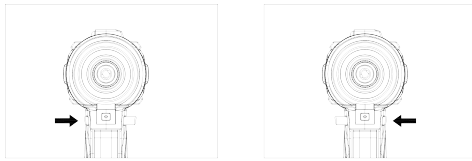
To start the tool, simply pull the switch trigger. Tool speed is increased by increasing pressure on the switch trigger. Release the switch trigger to stop.

Electric brake

This tool is equipped with an electric brake. If the tool consistently fails to quickly stop after switch trigger release, have tool serviced at service center.

NOTE: While pulling the switch trigger, any other buttons do not work.

Reversing switch action



Reversing switch lever

CAUTION: **Always check the direction of rotation before operation.**

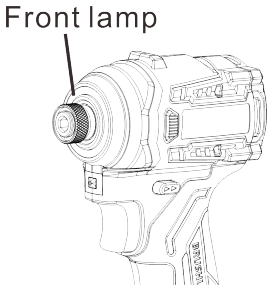
CAUTION: **Use the reversing switch only after the tool comes to a complete stop.** Changing the direction of rotation before the tool stops may damage the tool.

CAUTION: **When not operating the tool, always set the reversing switch lever to the neutral position.**

This tool has a reversing switch to change the direction of rotation. Depress the reversing switch lever from clockwise rotation or from counterclockwise rotation.

When the reversing switch lever is in the neutral position, the switch trigger cannot be pulled.

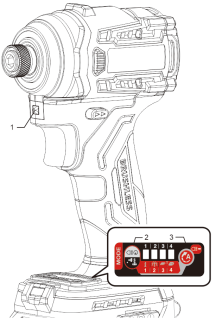
Lighting up the front lamp



CAUTION:

- Do not look in the light or see the source of light directly.
- Use a dry cloth to wipe the dirt off the lens of lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

User Interface



1. Quick mode-switching button
2. Button 3. Button

To turn off the front lamps within 10 seconds, press and hold the button for a few seconds.

To disable the front lamps, turn off the lamp status. To turn off the lamp status, first pull and release the switch trigger. Within 10 seconds after releasing the switch trigger, press and hold the button for a few seconds. When the lamp status is off, the front lamps will not turn on even if the trigger is pulled.

To turn on the lamp status again, press and hold the button for a few seconds.

Press and hold the button for one second to cycle the light from strong to medium to weak to off.

Press and hold the button for one second, and the light will be on for 20 minutes.

NOTE: When the tool is overheated, the front lamps flash for one minute, and then the LED display goes off. In this case, cool down the tool before operating again.

NOTE: To confirm the lamp status, pull the trigger.

When the front lamps light up by pulling the switch trigger, the lamp status is on. When the front lamps do not light up, the lamp status is off.

NOTE: Use a dry cloth to wipe the dirt off the lens of the front lamps. Be careful not to scratch the lens of front lamps, or it may lower the illumination.

Light mode

You can use the tool as a handy light.

To turn on the light, set the reversing switch lever in the neutral position and pull the switch trigger.

The lamp keeps lighting up for approximately one hour.

To turn off the light, pull the switch trigger again or depress the reversing switch lever.

NOTE: You cannot change the application mode while the light mode is on. The lamps on the switch panel do not turn on when the light mode is on.

NOTE: You cannot turn on/off the lamp status or change the application mode when the light mode is on.

NOTE: The light mode does not work when the tool/ battery protection system activates or the battery capacity is not enough.

Changing the application mode

What's the application mode?

The application mode is the variation of the driving rotation and impact which are already preset in the tool.

By choosing a suitable application mode depending on the work, you can accomplish quicker work and/or more beautiful finish.

This tool features following application modes:

Impact force

• 1 (Soft)

• 2 (Medium)

• 3 (Hard)

• 4 (Max)

Assist type

• Wood mode

• Bolt mode

• T mode (1)

• T mode (2)

The application mode can be changed by the button , button , or the quick mode-switching button.

By registering a certain application mode to the tool,

you can switch to the registered application mode by just pressing the quick mode-switching button (quick mode-switching function).

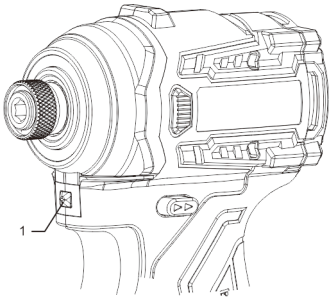
NOTE: When none of the lamp on the panel is lit, pull the switch trigger once before pressing the quick mode-switching button.

NOTE: You will not be able to change the application mode if you do not operate the tool for approximately one minute. In this case, pull the switch trigger once and press the button, button, or quick mode-switching button.

NOTE: Refer to "Registering the application mode" in "Quick mode-switching function" section for how to register the application mode.

Quick mode-switching button

The function of the quick mode-switching button varies depending on whether you have registered the application mode to the tool.



1. Quick mode-switching button

The tool switches between the registered application mode and current application mode every time you press the quick mode-switching button. when the application mode is changed by pressing the quick mode-switching button.

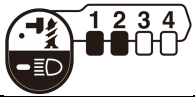
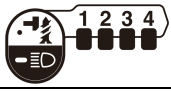
Changing the impact force

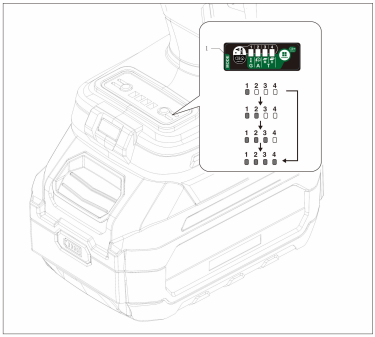
You can change the impact force in four steps: 1 (soft), 2 (medium), 3 (hard), and 4 (max). This allows a tightening suitable to the work.

The level of impact force changes every time you press the button or the quick mode-switching button.

You can change the impact force within approximately ten seconds after releasing the switch trigger.

NOTE: You can extend the time to change the impact force approximately ten seconds if you press the button , , or the quick mode-switching button.

Application mode (Impact force grade displayed on panel)	Maximum blows	Purpose	Example of application
1 (Soft) 	1100rpm	Tightening with less force to avoid screw thread breakage.	Tightening sash screws or small screws such as M6.
2(Medium) 	2100rpm	Tightening when a good finishing is needed.	Driving screws to finishing boards or plaster boards.
3 (Hard) 	3100rpm	Tightening with less force and speed than Max mode (easier to control than Max mode).	Driving screws to underwork materials, tightening bolts.
4(Max) 	3500rpm	Tightening with the maximum force and speed.	Driving screws to underwork materials, tightening long screws or bolts.



1. Button

: The lamp is on, Bright green light.

NOTE: When none of the lamp on the panel is lit, pull the switch trigger once before pressing the button or the quick mode-switching button.

NOTE: All lamps on the switch panel go out when the tool is turned off to save the battery power. The impact force grade can be checked by pulling the switch trigger to the extent that the tool does not operate.

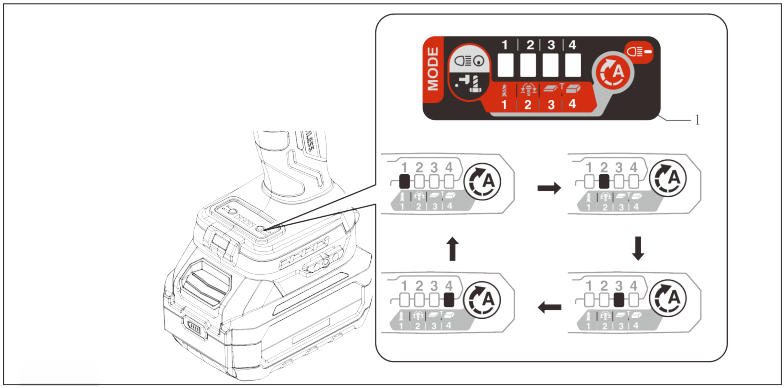
Changing assist type

This tool employs assist function that offers several easy-to-use application modes for driving screws with good control.

The type of the application mode changes every time you press the button .
You can change the assist type within approximately ten seconds after releasing the switch trigger.

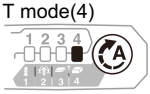
NOTE: You can extend the time to change the assist type approximately ten seconds if you press the button , , or the quick mode-switching button.

Application mode (Assist type displayed on panel)	Maximum blows	Purpose	Purpose
Wood mode	1300ipm	This mode helps to prevent a screw from falling at the beginning of driving. The tool drives a screw with low-speed rotation at first. After the tool starts to impact, the rotation speed increases and reaches the maximum speed.	Tightening long screws.
Bolt mode	2700ipm	This mode helps to prevent a bolt from falling off. When loosening a bolt with the tool driving in counterclockwise rotation, the tool automatically stops after the bolt/nut gets enough loosened. The stroke of the switch trigger to reach maximum speed will become short in this mode.	Loosening bolts.
T mode(3)	3500ipm	This mode helps to prevent the screws from over-tightening. It also accomplishes quick operation and good finish at the same time. The tool drives a screw with high-speed rotation and stops soon after the tool starts to impact. **NOTE:** **The timing to stop the driving varies depending on the type of the screw and material to be driven. Make a test driving before using this mode.**	Driving self-drilling screws to a thin metal plate with good finish.



1. Button

: The lamp is on, Bright red light.

T mode(4) 	3800ipm	This mode helps to prevent the screws from breakage and stripping. It also accomplishes quick operation and good finish at the same time. The tool drives a screw with high-speed rotation and slows down the rotation when the tool starts to impact. **NOTE:** **Release the switch trigger as soon as the tightening finished to avoid overtightening.**	Driving self-drilling screws to a thick metal plate with good finish.

When the tool rotates counterclockwise, it rotates same as the 4 (max) mode, 3800 rpm.

NOTE: When none of the lamp on the panel is lit, pull the switch trigger once before pressing the button .

NOTE: All lamps on the switch panel go out when the tool is turned off to save the battery power. The type of the application mode can be checked by pulling the switch trigger to the extent that the tool does not operate.

Quick mode-switching function

What you can do with the quick mode-switching function

The quick mode-switching function saves the time for changing the application mode of the tool. You can switch to your desired application mode by just pressing the quick mode-switching button. It is helpful when doing a repetitive work which requires to switch between two application modes alternately.

EXAMPLE If you have a work to use T mode and max impact force, register the max impact force for quick mode-switching function. Once register it, you can switch to the max impact force from T mode by just one click of the quick mode-switching button. Also, you can return to T mode by pressing the quick mode-switching button again.

Even if the tool is in other application mode than T mode, pressing the quick mode-switching button changes to max impact force. It is convenient for you to register a application mode that you frequently use.

You can choose one of following application modes for quick mode-switching function:

Impact force

• 1 (Soft)

• 2 (Medium)

• 3 (Hard)

• 4 (Max)

Assist type

• Wood mode

• Bolt mode

• T mode (3)

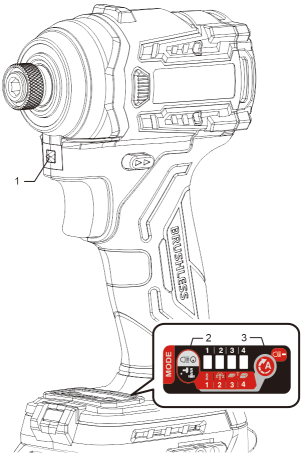
• T mode (4)

Registering application mode

To use the quick mode-switching function, register your desired application mode to the tool beforehand.

1. With the button or SCENES, choose your desired application mode.

2. Press and hold the button and the quick mode-switching button at the same time until the lamp of desired application mode blinks.



1. Quick mode-switching button
2. Button **3.** Button

NOTE: You can overwrite the current application mode with new one by performing the procedure above.

Using the quick mode-switching function

When the tool is in the mode that is not registered, press the quick mode-switching button to switch to the registered application mode. The tool switches between the registered application mode and last application mode every time you press the quick mode-switching button. The front lamps on both sides will flash once when switching to the registered application mode.

The lamp of the registered application mode will blink when using the registered application mode.

CAUTION:

The battery charger is for charging original battery cartridge.Never use it for other purposes or for other manufacturer's batteries.

- When you charge a battery cartridge which is new or has not been used for a long period of time, it may not accept a full charge until after discharging it completely and recharging a couple of times.

If you charge a battery from a just operated tool or a battery which has been exposed to direct sunlight or heat for a long time, the charging light may lighten in red color. If this occurs, wait for a while. Charging will begin after the battery cool.

MAINTENANCE:

- Always be sure that the tool is switched off and the battery cartridge is removed before attempting to perform inspection or maintenance.
- To maintain product SAFETY and RELIABLITY, repairs, any other maintenance or adjustment should be performed by Professional Service Centers, always using our replacement parts.

Care of the Product

Carefully remove stubborn dirt from the tool. If air vents are present, clean them gently with a dry, soft brush. Use only a slightly damp cloth to clean the housing. Use a dry, clean cloth to wipe the contacts of the tool.

Care of Li-ion Batteries

Never use a battery with blocked air vents; clean them carefully with a dry, soft brush. Avoid unnecessary exposure to dust and dirt. Never expose the battery to high levels of moisture (for example, by immersion in water or leaving it in rain). A battery that has been soaked should be treated as damaged. Keep the battery free of oil and grease. Do not touch the battery contacts or remove factory-applied lubricant from them.

Transport and Storage

Transporting the Tool and Batteries

CAUTION: Always remove the battery before transporting the tool.

Never transport batteries loose or unprotected. During transport, batteries must be protected from excessive shock and vibration, and isolated from conductive materials or other batteries that could contact the terminals and cause a short circuit. Comply with locally applicable regulations for transporting batteries.

Do not send batteries by post. Consult your shipping provider for instructions on sending undamaged batteries.

Before each use and before and after prolonged transport, inspect the tool and batteries for damage.

Storing the Tool and Batteries

WARNING: Always remove the battery from the tool before storage.

Store the tool and batteries in a cool, dry place. Observe the temperature limits stated in the technical data. Do not store batteries on the charger; always remove the battery when charging is complete.

Never leave batteries in direct sunlight, on heat sources or behind glass. Store the tool and batteries where they cannot be accessed by children or unauthorised persons. Before each use and before and after prolonged storage, inspect the tool and batteries for damage.

Troubleshooting

If the issue is not listed below or cannot be resolved, contact an authorised service centre.

Tool does not start:

— Check that the battery is fully charged and correctly inserted until it clicks. — Verify that the forward/reverse switch is not in the neutral (locked) position.

Tool runs but fastener does not turn:

— Check that the correct direction of rotation is selected. — Ensure the correct bit is installed and seated properly.

Speed drops suddenly:

— The battery may be nearly discharged. Recharge or replace the battery. — If the battery drains faster than expected, the battery health may be declining. Consider replacing the battery.

Tool or battery becomes excessively hot:

— Switch the tool off immediately and remove the battery. Allow both to cool before further inspection. If the problem persists, do not continue using the tool. Contact an authorised service centre.

Battery does not engage with an audible click:

— Clean the retaining mechanism on the battery and the housing. Re-insert the battery until it clicks securely.

Recycling



Meaning of crossed –out wheeled dustbin:

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. Contact you local government for information regarding the collection systems available. If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.

Additional Safety Requirements (EU)

Children and vulnerable persons

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

- Children shall be supervised to ensure that they do not play with the appliance. This appliance is not a toy.

- Keep the tool and its accessories out of reach of children.

Dust hazards (Directive 2004/37/EC, Directive 98/24/EC)

- Some dust generated during use may contain hazardous substances. Always assess dust risks before use. Wear appropriate respiratory protective equipment (RPE) in accordance with EN 149 classification.

- Where exposure to crystalline silica dust is possible, use RPE rated FFP3 or higher. Ensure adequate ventilation.

Dust produced during use may contain hazardous substances depending on the material being worked. Examples include: lead from lead-based paints; silicates from brick, concrete or natural stone; and treated wood dust. Assess the hazard classification of the material before work. Work in a well-ventilated area, direct dust away from the face and body, wear protective clothing, and wash exposed skin with water and soap after use.

Residual risks

Even when this tool is used as intended and all safety instructions are followed, certain residual risks cannot be eliminated. These include: injury from touching hot surfaces; hearing damage from noise over extended periods of use; hand-arm vibration effects from prolonged use; eye injury from ejected particles. Always use appropriate personal protective equipment.

Environmental Protection and Waste Disposal

WEEE (Directive 2012/19/EU)

The crossed-out wheeled bin symbol on the product, battery, or packaging means that this product and its battery must not be disposed of with general household waste. You are responsible for the correct disposal of this product and its battery at the end of its useful life. Return it to a designated collection point for the recycling of waste electrical and electronic equipment and batteries in accordance with local regulations.

For information on return and collection systems available in your area, contact your local authority, the retailer where you purchased the product, or the EU Authorised

Representative named in this manual.

Battery disposal (EU Battery Regulation 2023/1542/EU)

The battery pack must be removed from the tool before disposal and must be disposed of separately in accordance with Regulation (EU) 2023/1542. Do not dispose of the battery in fire or with household waste. Take exhausted batteries to an authorised collection or recycling point. The battery contains lithium-ion cells. Improper disposal may cause fire, explosion or environmental contamination.

Statutory Consumer Rights (EU/EEA)

In addition to any commercial guarantee provided by the seller, consumers purchasing this product in the EU/EEA are entitled to a minimum statutory guarantee of two (2) years from the date of delivery of the goods, in accordance with Directive (EU) 2019/771 on the sale of goods. This statutory guarantee covers non-conformity of the goods existing at the time of delivery. Please retain your proof of purchase.

Online Dispute Resolution (ODR): The European Commission provides an online dispute resolution platform at: https://ec.europa.eu/consumers/odr

EU Declaration of Conformity

The manufacturer / EU authorised representative declares that this product is in conformity with the following EU directives and applicable harmonised standards.

Applicable EU Directives:

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU
- RoHS Directive 2011/65/EU (as amended by Directive 2015/863/EU)
- WEEE Directive 2012/19/EU

Applied Harmonised Standards:
EN 62841-1:2015+A11:2022 (Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery — Safety — General requirements)
EN 62841-2-2:2014 (Particular requirements for screwdrivers and impact wrenches)
EN IEC 63000 (Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances)
EN IEC 55014-1:2021 (Electromagnetic compatibility — Requirements for household appliances, electric tools and similar apparatus — Part 1: Emission)
EN IEC 55014-2:2021 (Electromagnetic compatibility — Requirements for household appliances, electric tools and similar apparatus — Part 2: Immunity)

Manufacturer: Zhejiang Jingli Tools Co., Ltd., No.18 Jinsan Road, Jinyanshan Industrial Area, Quanxi, Wuyi, Zhejiang, P.R. China (321200)

EU Authorised Representative: DOLABRO d.o.o., Agrokombinatska 82d, 1000 Ljubljana, Slovenia

Noise and Vibration Emission Data

(Required under Machinery Directive 2006/42/EC, Annex I, clause 1.7.4. Values to be measured in accordance with EN 62841-1 and EN 62841-2-2.)

Sound pressure level at operator position LpA = 84.8 dB(A), uncertainty K = 3 dB

Guaranteed sound power level LWA = 92.8 dB(A), uncertainty K = 3 dB

Hand-arm vibration emissions (EN ISO 28927): ah = 7.927 m/s², uncertainty K = 1.5 m/s²

The values above were measured under standardised test conditions and may be used to compare tools. Actual exposure depends on how the tool is used, the material being worked, and the condition of the tool and accessories. Periods when the tool is switched off or running idle significantly reduce total exposure.
To reduce exposure to noise and vibration: maintain the tool and accessories in good condition, keep hands warm, organise work patterns to include regular breaks, and avoid prolonged continuous use. Extended exposure to high vibration can cause disorders of blood vessels and nerves in the hands and fingers. Take frequent breaks and perform hand exercises to promote blood circulation.