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EN Original instructions



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Thank you for purchasing our 3.6V Cordless Screwdriver which has been designed to give many years of service under normal use. In order to get the most from your 3.6V Cordless Screwdriver please carefully read and follow the instruction provided.

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Layout (Fig. 1)

1. Bit chuck
2. Lamp
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4. Soft Handle
5. Forward/ Reverse Switch
6. Adjusting Handle Lock Switch
7. Battery Capacitor Indicator & Charging Indicator



TECHNICAL INFORMATION

3.6V Lithium Cordless Screwdriver

Rated Voltage:	3.6V DC
Battery:	Lithium 1300mAh
Chuck Size:	1/4" (Diameter 6.35mm)
Torque:	3.5Nm
No load speed:	180 rpm
Charging time:	3-5 hours

Noise

Sound pressure level: L_A= 57.13 dB(A) Uncertainty K= 3dB

Sound power level: L_wA= 68.13 dB(A) Uncertainty 1<= 3dB

Vibration: a_w= 2.5 m/s²Uncertainty k<= 1.5m/s²



Read this entire manual before using this product. Failure to do so can result in serious injury. Save this manual for future reference.

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SAFETY INSTRUCTIONS

Read and Keep the Manual

Please read carefully all instructions within this manual. Failure to follow all safety warnings can result in serious personal injury. The term "Power Tool" in all of the following warnings refers to your mains operated (corded) or battery operated (cordless) power tool.

Important SAFETY Information



This symbol is to warn you of potential personal injury hazards. Please read carefully the notes alongside this warning to avoid possible injury or death.

General Safety Rules



WARNING! Read all instructions. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury. The term "power tool" in all of the warnings listed refers to corded or cordless power tools

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.

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.

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 energising 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.

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 tool's 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.

Service

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. **Develop a periodic maintenance schedule for your tool. When cleaning a tool be careful not to disassemble any portion of the tool since internal wires may be misplaced or pinched or safety guard return springs may be improperly mounted.** Certain cleaning agents such as gasoline, carbon tetrachloride, ammonia, etc. may damage plastic parts.



When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorised parts or failure to follow Maintenance Instructions may create a risk of electric shock or injury.

WARNING: For your own safety read Instruction Manual before operating your power tool.

- A) Wear eye protection.
- B) Keep hands out of the path of cutting tools.
- C) Do not operate tool without guards in place.
- D) Do not perform any operation freehand.
- E) Never reach around cutting tools.
- F) Turn off tool and wait for cutting tools to stop before moving work piece or changing settings.
- G) Disconnect power (or unplug tool) before changing cutting tools or servicing.

Only use qualified repair agents to service this power tool.

Only use qualified electrician to repair any damaged wiring.

NEVER remove the grounding prong from the power tool or extension cord.

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

Additional safety Instructions for Cordless Screwdriver

- 1. Use appropriate detectors to determine if utility lines are hidden in the work area or call the local utility company for assistance. Contact with electric lines can lead to fire and electric shock. Damaging a gas line can lead to explosion. Cutting into a water line causes property damage or may cause an electric shock.
- 2. Switch off the power tool immediately if the tool inserts jams.
- 3. Hold power tool by the insulated gripping surfaces, when performing an operation where the cutting tool may run into hidden wiring. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- 4. When working with the machine, always hold it firmly with both hands and provide for a secure stance. The power tool is guided more secure with both hands.
- 5. Keep your workplace clean. Blends of materials are particularly dangerous. Dust from light alloys can burn or explode.
- 6. Always wait until the machine has come to a complete stop before placing it down.



7. Before any work on the machine (e. g., maintenance, tool change, etc.) as well as during transport and storage, set the rotational direction switch to the centre position. Unintentional actuation of the On/Off switch can lead to injuries.
8. Avoid unintentional switching on. Carrying the power tool with your finger on the On/Off invites accidents.
9. Do not open the battery. Danger of short circuiting.
10. Protect the power tool against heat, e. g., also against continuous sun irradiation and fire. There is danger of explosion.
11. In case of damage and improper use of the battery, vapors may be emitted. Provide for fresh air and seek medical help in case of complaints. The vapors can irritate the respiratory system.
12. When the battery is defective, liquid can escape and come into contact with adjacent components.
13. Check any parts concerned. Clean such parts or replace them, if required.

Safety Warnings for Battery Pack

- a) Do not dismantle, open or shred cells.
- b) Do not short-circuit charging terminal. Do not store power tool haphazardly in a box or drawer where charging terminal may short-circuit each other or be short-circuited by conductive materials. When power tool 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 charging terminal to another.
- c) Do not expose power tool to heat or fire. Avoid storage in direct sunlight.
- d) Do not subject power tool to mechanical shock.
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- f) Seek medical advice immediately if a cell has been swallowed.
- g) Keep power tool clean and dry.
- h) Wipe the charging terminals with a clean dry cloth if they become dirty.
- i) Power tool needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- j) Do not maintain power tool on charge when not in use.
- k) After extended periods of storage, it may be necessary to charge and discharge the power tool several times to obtain maximum performance.
- l) Battery gives its best performance when it is operated at normal room temperature (20 °C±5°C).
- m) When disposing of cells, keep cells of different electrochemical systems separate from each other.
- n) Recharge only with the charger supplied. In case of failure, contact the helpline for advice. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery may create a risk of fire when used with another battery.
- o) Keep power tool out of the reach of children.

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- p) Retain the original product literature for future reference.
- q) Dispose of properly.

Symbols

IMPORTANT: Some of the following symbols may be used on your tool



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



Warning



Wear ear protection



Wear eye protection



Wear dust mask



Protective gloves



Indoor use only



Double insulation



The output plug is with positive center pole and negative outer pole



Li-Ion



Li-Ion

Li-ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack.

It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Fuse

T 2A time lag fuse with rated current of 2A



Positive terminal



Negative terminal



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.

Specific Safety Rules

- 1) **Hold power tools by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring.**
Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
- 2) Wear ear and eye protection. To avoid serious injuries.
- 3) Be aware that this tool is always in an operating condition, since it does not have to be plugged into an electrical outlet.



- 4) If the bit becomes jammed, immediately turn the trigger switch off to prevent an overload which can damage the battery pack or motor. Use reverse to loosen jammed bits.
- 5) Do NOT operate the Forward/Reverse lever when the trigger switch is on. The battery will discharge rapidly and damage to the unit may occur.
- 6) When storing or carrying the tool, set the Forward/Reverse lever to the center position (switch lock).
- 7) Do not strain the tool by holding the speed control trigger halfway so that the motor stops.
- 8) Be careful not to get dust inside the chuck.
- 9) Do not touch the rotating parts to avoid injury.
- 10) Do not use the tool continuously for a long period of time. Stop using the tool from time to time to avoid overheating of the motor.
- 11) Do not drop the tool.

Unpacking

Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.

Package contents

- A) Screwdriver
- B) USB Cable
- C) User manual

USING YOUR UNIT

WARNING: Disconnect the plug from the power source before making any assembly, adjustments or changing accessories. Such preventive safety measures reduce the risk of starting the tool accidentally.

Intended Use

The machine is intended for driving in and loosening screws as well as for drilling in wood, metal and plastic.

Before starting the equipment

Danger!

Be sure to read the following information before you put the cordless screwdriver into operation:

1. Charge the battery only with the charging unit supplied.



2. Only ever use screwdriver bits which are suitable for the purpose and in faultless condition.
3. Before you begin to screw in walls and masonry, check for concealed electric wiring, gas pipes and water pipes.

OPERATION

Charging the battery

The battery supplied is partially charged. To ensure full capacity of the battery, completely charge the battery in the screwdriver before using your power tool for the first time.

The battery charger supplied is matched to the Li-ion battery installed in the machine. Do not use another battery charger.

The Li-ion battery is protected against deep discharging. When the battery is empty, the machine is switched off by means of a protective circuit.

NOTE: If the battery pack is very hot, disconnect from the charger and allow to cool to the ambient temperature before recharging.

To prevent damage to the battery, when charge runs out, charge the battery to reach full or no less than half charge before storage.

If the tool will not be used for long periods of time, charge the battery every 3-6months.

Charging

1. Plug the USB cable into the USB port on the screwdriver, now plug the other end of the USB cable into a standard USB adaptor (eg: phone charger). The charging indicator will illuminate.
2. After charging for approx.. 3-5hrs the battery will be fully charged. When fully charged the red light will switch off. Disconnect the USB cable from the adaptor and from the screwdriver and your tool is ready to use.

Operation Instruction

Inspect the screwdriver before use to ensure all parts are running smoothly and there no abnormal sounds or sparks.

Before driving fasteners, check for hidden hazards such as electrical cables or plumbing Clear the work area of all parts and debris that may cause injury.

Fitting and Removing Bits (See Fig. 4)

To use any one of the short bits, insert the bit into the bit holder and push the holder into the chuck as far as possible.

To remove the bit, simply pull it out of the bit holder.



NOTE: Better use a bit holder when fitting short bits.

Forward / Reverse Switch (See Fig. 5)

For drilling and screw driving use forward rotation marked "F" (lever is moved to the left). Only use reverse rotation marked "R" (lever is moved to the right) to remove screws or release a jammed drill bit.

WARNING! Do not try to change direction with the trigger depressed.

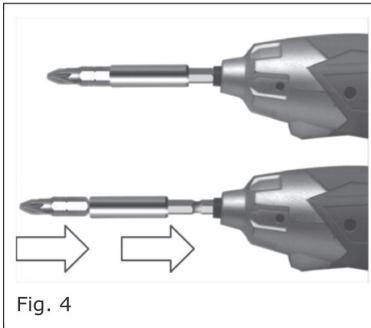


Fig. 4

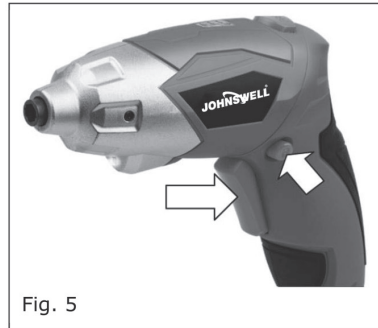


Fig. 5

Switch Lock (See Fig. 5)

The trigger can be locked in the off position to prevent accidental starting when not in use by pushing the direction control to its central position.

NOTE: Do not force the trigger when it has been locked.

On/Off switch (Fig. 5)

Press the On/Off switch to switch the cordless screwdriver on. Release the On/Off switch again to switch it off.

LED lamp

The LED lamp (2) can be used in poor lighting conditions to illuminate the area where you want to screw.

Press the On/Off switch to switch the cordless screwdriver on, the LED lamp will be light automatically.

Release the On/Off switch, the LED lamp will light off.

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Battery Capacity Indicator

When the screwdriver is in use, the indicator will show the battery capacity.

When the Battery Capacity Indicator lights up red the battery has less than 30% of its capacity and should be charged.

Status	Indicator
Full Power	Green + Yellow+ Red
Full Power but will required charging shortly	Yellow+ Red
Needs Charging	Red

Adjustable Handle (See Fig. 6, 7)

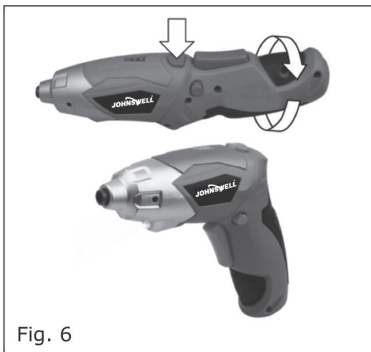
This screwdriver can be used with a straight or pistol grip.

Push and hold the handle lock button (6) and rotate the handle to the desired position.

Caution! Before you switch on the screwdriver, make sure that it is correctly locked in the angle position in question.

Screws

It is advisable to use self-centering screws (e.g. Torx, cross recessed head) as these will enable you to work safely and reliably. Always make sure that the bit used is of the same size and shape as the screw.



Dust/Chip Extraction



Dusts from materials such as lead-containing coatings, some wood types, minerals and metal can be harmful to one's health. Touching or breathing-in the dusts can cause allergic reactions and/or lead to respiratory infections of the user or bystanders. Certain dusts, such as oak or beech dust, are considered as carcinogenic, especially in connection with wood-treatment additives (chromate, wood preservative). Materials containing asbestos may only be worked by specialists.

- Provide for good ventilation of the working place.
- It is recommended to wear a P2 filter-class respirator.

Observe the relevant regulations in your country for the materials to be worked.

Battery use and care

A battery operated tool with integral batteries or a separate battery pack must be recharged only with the specified charger for the battery.

A charger that may be suitable for one type of battery may create a risk of fire when used with another battery.

Use battery operated tool only with specifically designed battery pack.

Use of any other batteries may create a risk of fire.

NEVER place hands or other body parts near the drill bit or chuck during operation.

Hold the drill by its handle only. Because the cordless driver drill operates by battery power, be aware of the fact that it can begin to operate at any time.

Disposal of the exhausted battery

WARNING: Do not dispose of the exhausted battery. The battery must explode if it is incinerated. The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

Disposal

Power tools, accessories and packaging should be sorted for environmentally-friendly recycling.

Only for EC countries:



Do not dispose of power tools into household waste!

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According to the European Directive 2002/96/EC on waste electrical and electronic equipment and its incorporation into national right, products that are no longer suitable for use must be separately collected and sent for recovery in an environmentally-friendly manner.

Battery packs/batteries:

Li-Ion:



Do not dispose of battery packs/batteries into household waste, water or fire. Battery packs/batteries must be collected, recycled or disposed of in an environmentally-friendly way.

Only for EC countries:

Defective or dead batteries must be recycled according to the directive

2006/66/EC.

MAINTENANCE

Danger! Always pull out the mains power plug before starting any cleaning work.

Cleaning

1. Keep all safety devices, air vents and the motor housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure.
2. We recommend that you clean the device immediately each time you have finished using it.
3. Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock.

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