



BASETECH 2372545 3.6 V cordless lithium-ion screwdriver Instruction Manual

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Introduction

Dear Customer,
thank you for purchasing this product.
This product complies with the statutory national and European requirements.
To maintain this status and to ensure safe operation, you as the user must observe these operating instructions!



These operating instructions are part of this product. They contain important notes on commissioning and handling. Also, consider this if you pass on the product to any third party. Therefore, retain these operating instructions for reference!

If there are any technical questions, please contact: www.conrad.com/contact

Explanation of Symbols

	The symbol with a lightning bolt in a triangle is used where there is a health hazard, e.g. from electric shock.
	The exclamation mark in a triangle indicates important notes in these operating instructions that must be observed strictly.
	The arrow symbol indicates that special advice and notes on operation are provided.
	The product is intended for use in dry indoor rooms only; it must not become damp or wet.
	Use hearing protection.
	Use a dust mask.
	Use safety goggles.
	The charger is built in protection class II (reinforced or double insulation between the main s circuit and the output voltage; protective insulation)
	Observe the operating instructions!

Intended Use

The cordless screwdriver is intended for turning in and releasing of screws. For this, use suitable screw inserts (bits) for each case. The product has a white LED for lighting the working position during screwing.

The cordless screwdriver is operated by a firmly installed Li-Ion rechargeable battery, which can be charged with an enclosed charger (alternatively, the cordless screwdriver can be charged via a USB charging port that can supply a current of at least 500 mA).

The charger is intended for operation with mains voltage (100 – 240 V/AC, 50/60 Hz).

For reasons of safety and approval, the product must not be converted and/or changed by you. Using the product for any other purposes than those described above may damage the product. Improper use also may cause dangers such as short circuits, fires, electric shocks, etc. Read the operating instructions precisely and keep them. Only pass the product on to any third parties together with the operating instructions.

Scope of Delivery

- 3.6 V cordless lithium-ion screwdriver
- Charger
- Micro USB charging cable
- 24x 25 mm CR-V bits (3/4/5/6/7/8/S1/S2/S3/S4/H3/H4/H5/H6/T25/T27/T30/T40/PZ1/PZ2/ PZ3/PH1/PH2/PH3)
- 2x 50 mm CR-V bits (PH2/6)
- Bit adapter 60 mm
- Operating instructions



www.conrad.com/downloads

Current operating instructions

Download the current operating instructions via the link www.conrad.com/downloads or scan the QR code displayed. Observe the instructions on the website.

Safety Notes



Read the operating instructions attentively and particularly observe the safety notes. If the safety notes and the information in these operating instructions regarding proper handling are not observed, we assume no liability for any resulting injury/property damage. In such cases, the warranty/guarantee will also lapse.

a) General

- The unauthorized conversion and/or modification of the product is inadmissible because of safety and approval reasons.
- Maintenance, adjustments, and repair work may only be carried out by a specialist/specialized workshop. The device contains no parts that require servicing or adjusting by you.
- The product is not a toy and must be kept out of reach of children! The product must only be set up, used or stored in places that are not accessible to children.
- This device is not intended for being used by persons (including children) with limited physical, sensory or mental abilities or lack of experience and/or lack of knowledge unless they are supervised by a person responsible for their safety or instructed in how to use the device.
- Children should be supervised to ensure that they do not play with the product.

- Do not let any other persons who have not completely read and understood these instructions work with the product.
- The product (cordless screwdriver, charger) must not become moist or wet. This would not only destroy the product but it also represents a deadly peril through an electric shock!
- If the product is brought from a cold into a warm room (e.g. for transport), it is possible that condensation will develop. This may damage the product. For the charger, there is also the deadly peril of an electric shock! Therefore, you should allow the product to warm up to room temperature before using it or connecting the charger to a socket outlet. This may take several hours.
- Do not place any containers with liquids, e.g. buckets, vases or plants, in direct proximity of the product. Liquids may get into the housing and impair electrical safety. This also poses a great danger of fire or potentially fatal electric shock (with the charger)!

If this is the case, first power down the respective mains socket on all connections (e.g. switch off the circuit breaker, then switch off FI switch) and then disconnect the charger from the socket. Do not operate the product anymore afterwards, but take it to a specialist workshop.

- Do not place any open fire sources such as burning candles on the device or in its proximity.
- Never put or lay the product (cordless screwdriver, charger) onto any valuable furniture surfaces without sufficient protection. Otherwise, scratches, pressure points or discolourations are possible.
- Never operate the product next to or near any flammable liquids or gases, air/gas mixtures (gasoline vapours) or easily flammable solids. Operation of the product may cause sparks and danger of explosion!
- The product is only suitable for use in temperate, not tropical, climates.
- In schools, training centres, and hobby and self-help workshops, the use of the product must be supervised by responsible trained personnel.
- In commercial institutions, the accident prevention regulations of the Employer's Liability Insurance Association for Electrical Systems and Operating Materials are to be observed.
- Do not leave packaging material lying around carelessly. It may become a dangerous toy for children!
- Handle the product with care; impacts, shock or fall even from low heights will damage it.
- If you are not sure about the correct operation or if questions arise which are not covered by the operating instructions, please do not hesitate to contact us or another specialist.

b) Charger/Mains Voltage

- The charger is constructed pursuant to protection class II.
- Use only a proper main socket of the public supply mains for the voltage/current supply of the charger. Before connecting, check if the connection values at the rating plate of the charger match those of your building connection.
- The socket to which the charger is connected must be easily accessible.
- Do not pull the charger from the main socket at the cable.
- Use a suitable, non-flammable, heatproof surface for charging. Never place the cordless screwdriver on a flammable surface for charging (e.g. carpet, tablecloth).
- Never cover the cordless screwdriver and the charger when charging. Keep the cordless screwdriver and the charger away from flammable or easily inflammable materials (e.g. curtains).
- Do not put any objects onto the cordless screwdriver, the charger and the cable between the cordless screwdriver and the charger. Protect the cable from sharp edges.

- Avoid operation in direct proximity of strong magnetic or electromagnetic fields, transmitter aerials or HF generators. This can affect the control electronics.
- Never short-circuit the contacts of the charger.
- The charger must only be operated in dry, closed inner rooms; it must not get moist or wet. There is a fatal danger from electric shock otherwise! Never touch the charger with wet or damp hands!
- Do not place any containers with liquids, e.g. buckets, vases or plants, in direct proximity of the charger.
- Avoid direct sun irradiation, strong heat or cold. Keep the charger away from dust and dirt.
- If the charger has become moist or wet or damaged, do not touch it. Danger to life from electric shock! First, deactivate all sides of the mains socket to which the charger is connected (e.g. switch off the respective fuse or turn out the fuse.

Then deactivate the FI protection switch). Then unplug the charger from the mains socket. Do not use the charger anymore, but take it to a specialised workshop or dispose of it in an environmentally compatible manner.

c) Rechargeable Battery

- The rechargeable battery is firmly integrated in the cordless screwdriver and cannot be replaced.
- The rechargeable battery must never be short-circuited, disassembled or thrown into the fire. There is a risk of fire and explosion!
- Leaking or damaged batteries/rechargeable batteries can cause chemical burns to the skin when touched without the use of adequate protective gloves.
- The rechargeable battery must not get wet or moist; this may cause fire or explosion.
- As the charger as well as the rechargeable battery in the cordless screwdriver will heat up during the charging process, it is necessary to ensure sufficient ventilation. Never cover the charger or the cordless screwdriver!
- When the rechargeable battery is charged, disconnect the cordless screwdriver from the charger, and pull the charger from the mains socket.
- Do not charge the rechargeable battery while it is still hot (e.g. due to the operation in the cordless screwdriver). Allow the cordless screwdriver to cool down to room temperature before charging it again.
- Do not charge the rechargeable battery if the cordless screwdriver is damaged. This can result in a fire or explosion! Dispose of the such unusable cordless screw driver in an environmentally compatible fashion. Do not continue to use them.
- Recharge the cordless screwdriver about every 3 months, as otherwise they might be fully discharged due to self-discharge, which renders the rechargeable battery useless.
- The cordless screwdriver can either be charged via the enclosed charger or via another suitable USB mains unit that supplies an output voltage of 5 V/DC and an output current of at least 1 A.

d) Operation of the cordless screwdriver

- Keep your workplace clean. Ensure good lighting at the workplace. Disorder at the workplace or bad lighting may cause accidents. Keep children away from the working area! Ensure good ventilation of the workplace.
- Only operate the product when your ability to react is unrestricted. Fatigue or the influence of alcohol or medication can lead to accidents and injury.
- Rotating parts may wind up hair or items of clothing, danger of injury! Therefore, wear, e.g., a hair net if you have long hair, and wear close-fitting clothes when working.

- Never touch the rotating part of the cordless screwdriver; never touch turning tool inserts (e.g. screwdriver bits). Risk of injury! Never stop the drive manually; do not use any tools for this either!
- Check the cordless screwdriver for damage before every use. If you find any damage, do not take the device into operation, but have it checked by a specialist.
- For reasons of safety, the rotating direction switch must be put in the middle position before inserting or removing bits. The drive will be blocked in this position (activation lock).
- Use the cordless screwdriver only to turn in and out screws or for similar work. The cordless screw driver must not be used for any other purposes (such as mixing mortar, driving other devices/machines/tools, etc.).
- Never overload any electrical devices. Use electrical devices only for the work that they are intended for.
- Secure the workpiece against slipping or twisting. Use, e.g., a vice.
- Ensure a safe stance when working; use, e.g., a suitable, strong ladder.
- Ensure that no power, gas or water lines are damaged when turning in screws! With power lines, there is a danger to life from electrical shock; with gas lines, there is a danger of fire and explosion! Water lines may also lead to high property damage.
- Never work on live parts. When working near any electrical lines or similar, always ensure suitable contact protection.
- Never stress the cordless screwdriver to where the drive stops. This may damage the motor and the gear both. Blocking of the drive will also lead to very high currents so that the rechargeable battery and the power electronics in the cordless screwdriver will be overloaded.
- Ensure that no dust or dirt enters the cordless screwdriver (specifically at the USB charging socket).
- There are different risks of injury depending on the work performed with the cordless screwdriver. Depending on work, goggles, a dust mask, and hearing protection must be worn; a safety helmet may also be required (e.g. at work overhead).
- Dust from various materials may be hazardous to health and may cause allergic reactions, diseases of the respiratory system, or even cancer (e.g. asbestos-containing material – this must only be processed/used by specialists).
- Observe the provisions valid in your country, e.g. on work protection measures.
- Properly hold the cordless screwdriver. A sudden stop of the drive will transfer the torque to the cordless screwdriver itself, and it will turn sideways. This poses the danger of the cordless screwdriver falling from your hands, and danger of injury!
- Switch off the cordless screwdriver at once when the drive blocks (e.g. when a screw has been completely turned in).
- Before putting down the cordless screwdriver, wait until the drive has stopped entirely.
- The cordless screwdriver has a bright LED light that is activated automatically when the on/off switch is activated.

Attention, LED light: Never look into the LED beam! Never watch directly or with optical instruments! The danger of eye damage!

Operating Elements



1. LED for rotating direction “left”
2. LED for rotating direction “right”
3. Bit holder
4. White LED for workplace lighting
5. Rotating the direction switch, on both sides of the cordless screwdriver (the middle position will block the drive, and activation lock)
6. On/off switch
7. Micro-USB charging socket
8. Charging LED (in the figure at the top of the reverse)

Charging the Rechargeable Battery

Observe Chapter “Safety Notes”!

The rechargeable battery must be charged when the drive only turns very slowly without load or when the drive stops.

Also, charge the rechargeable battery every 3 months if you do not need the cordless screwdriver. Otherwise, there may be deep discharge, which will permanently damage the rechargeable battery. Loss of guarantee/warranty!

→ The rechargeable battery is discharged when the product is delivered and must be charged at initial commissioning.

Proceed as follows for recharging the rechargeable battery:

- Connect the large USB A plug of the enclosed USB cable to the corresponding socket of the charger; ensure proper alignment.
- Plug the small micro-USB plug on the other end of the USB cable into the charging socket (7) at the bottom of the cordless screwdriver. Observe proper alignment here as well.
- Plug the charger into a mains socket. The charge LED (8) will light up and charging will start.

→ The charging time is approx. 3 – 5 hours.

The drive motor is off while charging. The cordless screwdriver cannot be used.

- When charging is complete, the charge LED will flash slowly. Now disconnect the cordless screwdriver from the USB cable, and pull the charger from the mains socket.

→ Alternatively, the cordless screwdriver can also be charged from a USB charging port that can provide an output voltage of 5 V/DC and a current of at least 500 mA (e.g. integrated into some socket strips or similar).



Do not connect the cordless screwdriver to a usual USB port of a computer, however.

Operation

a) Inserting/removing bit

- Release the on/off switch (6) to stop the drive.
- When the bit holder no longer turns, put the desired bit into the bit holder (3) or pull it out to remove it.

→ Ensure that the bit is pushed as far as possible into the bit holder (3) of the cordless screwdriver so that the torque can be optimally transferred to the bit.

b) Rotating Direction Switch (with Activation Lock)

- The rotating direction switch (5) can be used to switch the rotating direction between left and right. An arrow on either side of the rotating direction switch (5) reflects the rotating direction:
 - Rotating direction to the left (viewed from the rear of the cordless screwdriver), to release/ turn out screws; LED (1) is lit
 - Rotating direction to the right (viewed from the rear of the cordless screwdriver), to tighten/ turn in screws; LED (2) is lit

→ Choose the rotating direction depending on whether you want to turn a screw in or out.
Two LEDs (1, 2) on the top of the cordless screwdriver indicate the corresponding rotating direction when the on/off switch is pushed and the motor is running.

- The drive is off in the middle position of the rotating direction switch (5) (activation lock). The drive should be blocked with the rotating direction switch for tool change, maintenance, or cleaning, as well as during transport. This prevents starting up of the motor if the on/off switch is pushed accidentally.



Switch the rotating direction only when the driver of the cordless screwdriver has stopped completely! Otherwise, the drive may be damaged.

c) LED for workplace lighting

There is a white LED (4) on the front below the bit holder. It is activated automatically when the on/off switch (6) is activated and serves lighting during the work process.

When the activation lock is active (the rotating direction switch (5) is in the middle position), the drive will not start up, but the white LED will nevertheless light up.

Troubleshooting

By purchasing this cordless screwdriver, you have acquired a product designed to the state of the art and operationally reliable. Nevertheless, problems or errors may occur. The following contains descriptions for the removal of possible interferences.



Always observe all safety information in these operating instructions!

Problem	Solution aid
No function.	<ul style="list-style-type: none">• The rechargeable battery is discharged. Recharge it.
When pushing the on/off switch, the motor will not start up.	<ul style="list-style-type: none">• The motor is deactivated in the middle position of the rotating direction switch (activation lock). Push the rotating direction switch out of the middle position.• The rechargeable battery is discharged. Recharge it.• The cordless screwdriver is being charged. The drive is deactivated during charging. Wait until the cordless screwdriver is completely charged.
The cordless screwdriver and the charger grow hot during charging.	<ul style="list-style-type: none">• This is normal.
The motor stops after the brief operation.	<ul style="list-style-type: none">• The rechargeable battery is discharged. Recharge it.

Maintenance and Cleaning

- The product has no parts that require maintenance by you. Therefore, never open/ disassemble it. Maintenance or repair and opening of the product in this context must only be performed by a specialist or suitable specialist workshop.
- Before maintenance or cleaning, switch off the cordless screwdriver. Wait until the drive has stopped completely. Put the rotating direction switch (5) into the middle position to activate the activation lock.
- Careful cleaning maintains the product's function to give you joy in using it for a long time. A good craftsman takes care of his tools!
- Remove dust with a clean long-haired brush and a vacuum cleaner. Dust may also be removed with compressed air.
- A dry, clean, and lint-free cloth is sufficient for cleaning the outside of the product.



Do not use any aggressive cleaning agents or chemicals. Unsuitable cleaning agents may cause discolorations of the plastic surface or damage the label. Also never use any abrasives, alcohol, gasoline, spirit, or similar liquids for cleaning!

Disposal



Electronic devices are recyclable and should not be disposed of in the household waste. At the end of its service life, dispose of the product according to the relevant statutory regulations.

Declaration of Conformity (DOC)

The undersigned declares in the name of the company Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92240 Hirschau, that the product corresponds to the following directives and standards:
2006/42/EC
EN62841-1:2015
EN62841-2-2:2014

→ The complete text of the EU declaration of conformity is available under the following web address:
www.conrad.com/downloads

Choose a language by clicking a flag symbol and enter the item number of the product into the search field; then you may download the EU declaration of conformity in the PDF format.

Technical Data

a) General

Ambient conditions	Temperature: 0 °C to +45 °C, humidity: 10% to 85 % relative, non-condensing
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b) Cordless screwdriver

Power supply	Li-ion-rechargeable battery, 3.6 V, 1300 mAh (firmly installed, not replaceable)
Tool holder	Hexagon, 6.35 mm (1/4")
Idle speed	230 rpm
Rotating direction	switchable left/right
Max. torque hard/soft screwing according to ISO 5393	4 Nm/2.8 Nm
Charging duration	3 – 5h
Sound pressure level	$L_{p,A} = 54.0 \text{ dB(A)}$, $K = 3 \text{ dB(A)}$
Sound power level	$L_{WA} = 65 \text{ dB(A)}$, $K = 3 \text{ dB(A)}$
Hand-arm vibration	$a_h = 0.369 \text{ m/s}^2$, $K = 1.5 \text{ m/s}^2$
Dimensions	135 x 44 x 140 mm (H x W x L)
Weight	0.37 kg

c) Battery charger

Operating voltage	100 – 240 V/AC, 50/60 Hz
Output	5 V/DC, 500 mA




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Hirschau (www.conrad.com).

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Documents / Resources

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