



Einhell TE-OS 18 Cordless Fixed Speed Detail Orbital Sander Instruction Manual

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Safety Symbols



Danger! – Read the operating instructions to reduce the risk of injury.



Caution! Wear ear-muffs. The impact of noise can cause damage to hearing.



Caution! Wear a breathing mask. Dust which is injurious to health can be generated when working on wood and other materials. Never use the device to work on any materials containing asbestos!



Caution! Wear safety goggles. Sparks generated during working or splinters, chips and dust emitted by the device can cause loss of sight.



Store the battery only in dry rooms with an ambient temperature of +10°C to +40°C. Place only charged batteries in storage (charged at least 40%). (not included in delivery).

Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care.

Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or accidents which arise due to a failure to follow these instructions and the safety instructions.

Safety regulations

The corresponding safety information can be found in the enclosed booklet.

Warning!

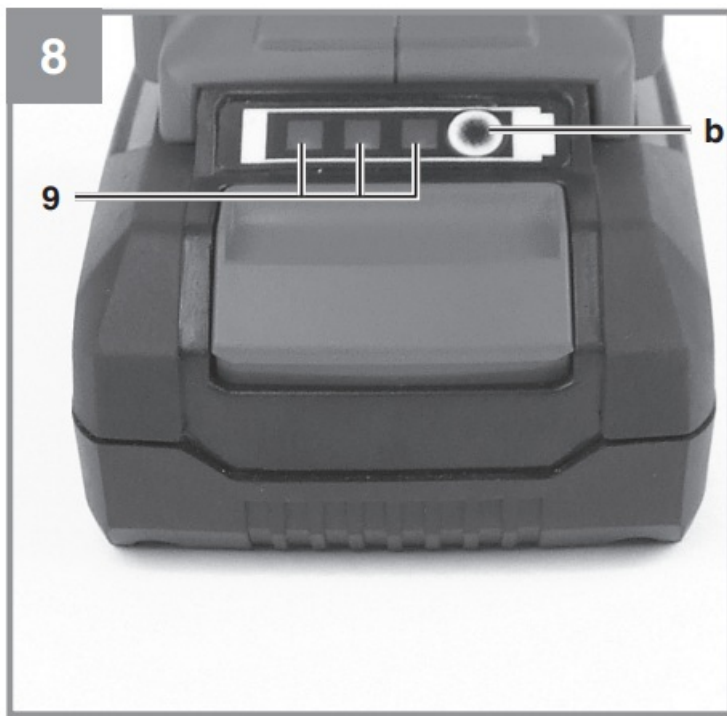
Read all the safety information, instructions, illustrations and technical data provided on or with this power tool. Failure to adhere to the following instructions may result in electric shock, fire and/or serious injury.

Keep all the safety information and instructions in a safe place for future use.

Layout and items supplied

Layout (Fig. 1/8)





1. On/Off switch
2. Dust extraction adapter
3. Handle
4. Dust collection box
5. Oscillating plate
6. Battery pack (not included in delivery)
7. Charger (not included in delivery)
8. Push lock button
9. Battery capacity indicator

Items supplied

Please check that the article is complete as specified in the scope of delivery. If parts are missing, please contact our service center or the sales outlet where you made your purchase at the latest within 5 working days after purchasing the product and upon presentation of a valid bill of purchase. Also, refer to the warranty table in the service information at the end of the operating instructions.

- Open the packaging and take out the equipment with care.
- Remove the packaging material and any packaging and/or transportation braces (if available).
- Check to see if all items are supplied.
- Inspect the equipment and accessories for transport damage.
- If possible, please keep the packaging until the end of the guarantee period.

Danger!

The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. There is a danger of swallowing or suffocating!

- Multi sander
- Dust collection box

- Abrasive paper (120, 3x)
- Abrasive paper (240, 3x)
- Dust extraction adapter (1x)
- Original operating instructions
- Safety instructions

Proper use

The equipment is designed for the sanding of wood, iron, plastic and similar materials using the appropriate sanding paper. The equipment is not suitable for wet sanding.

The equipment is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse. The user / operator and not the manufacturer will be liable for any damage or injuries of any kind caused as a result of this.

Please note that our equipment has not been designed for use in commercial, trade or industrial applications. Our warranty will be voided if the machine is used in commercial, trade or industrial businesses or for equivalent purposes.

Technical data

Motor power supply: 18 V DC

Idling speed: 12000 min⁻¹

Oscillating speed: 24000 min⁻¹

Sanding area: 150 x 150 x 100 mm

Abrasive paper size (Hook-and-loop fastening system): 93 x 60 x 105 mm

Oscillatory circuit Ø: 1.6 mm

Weight: 0.7 kg

Important!

The equipment is supplied without rechargeable batteries and without a charger and is allowed to be used only with the lithium-ion batteries of the Power-X-Change series!

The lithium-ion batteries of the Power-X-Change series are allowed to be charged only with PowerX chargers.

Danger!

Sound and vibration

Sound and vibration values were measured in accordance with EN 62841.

LpA sound pressure level : 77.2 dB(A)

KpA uncertainty : 3 dB

LWA sound power level : 88.2 dB(A)

KWA uncertainty: 3 dB

Wear ear-muffs.

The impact of noise can cause damage to hearing.

Total vibration values (vector sum of three directions) determined in accordance with EN 62841.

Vibration emission value $a_h = 6.585 \text{ m/s}^2$

K uncertainty = 1.5 m/s^2

The stated vibration emission levels and stated noise emission values were measured in accordance with a set of standardized criteria and can be used to compare one power tool with another.

The stated vibration emission levels and stated noise emission values can also be used to make an initial assessment of exposure.

Warning:

The vibration and noise emission levels may vary from the level specified during actual use, depending on the way in which the power tool is used, especially the type of work piece it is used for.

Keep the noise emissions and vibrations to a minimum.

- Only use appliances which are in perfect working order.
- Service and clean the appliance regularly.
- Adapt your working style to suit the appliance.
- Do not overload the appliance.
- Have the appliance serviced whenever necessary.
- Switch the appliance off when it is not in use.
- Wear protective gloves.

Limit the operating time!

All stages of the operating cycle must be considered (for example, times in which the electric tools are switched off and times in which the tool is switched on but operates without load).

Caution!

Residual risks

Even if you use this electric power tool in accordance with instructions, certain residual risks cannot be ruled out. The following hazards may arise in connection with the equipment's construction and layout:

1. Lung damage if no suitable protective dust mask is used.
2. Damage to hearing if no suitable ear protection is used.
3. Health damage caused by hand-arm vibrations if the equipment is used over a prolonged period or is not properly guided and maintained.

Before starting the equipment

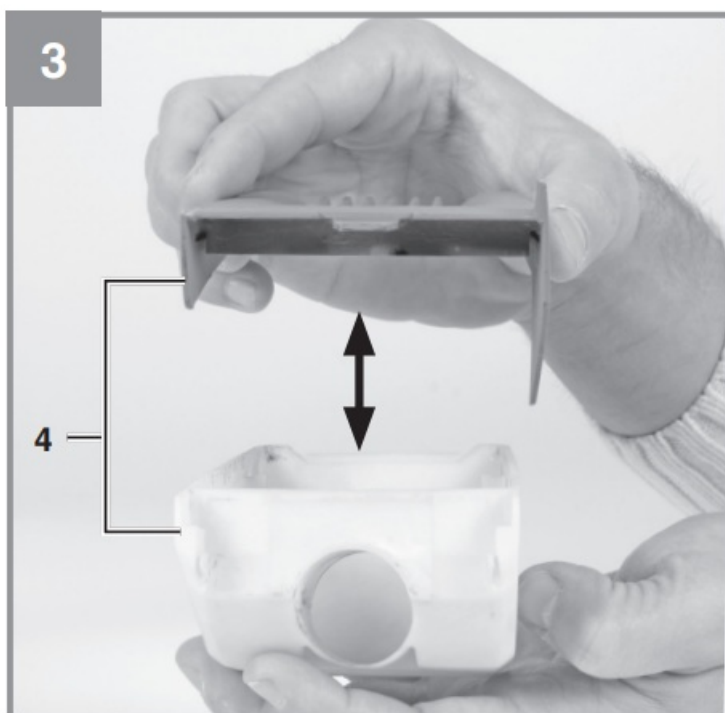
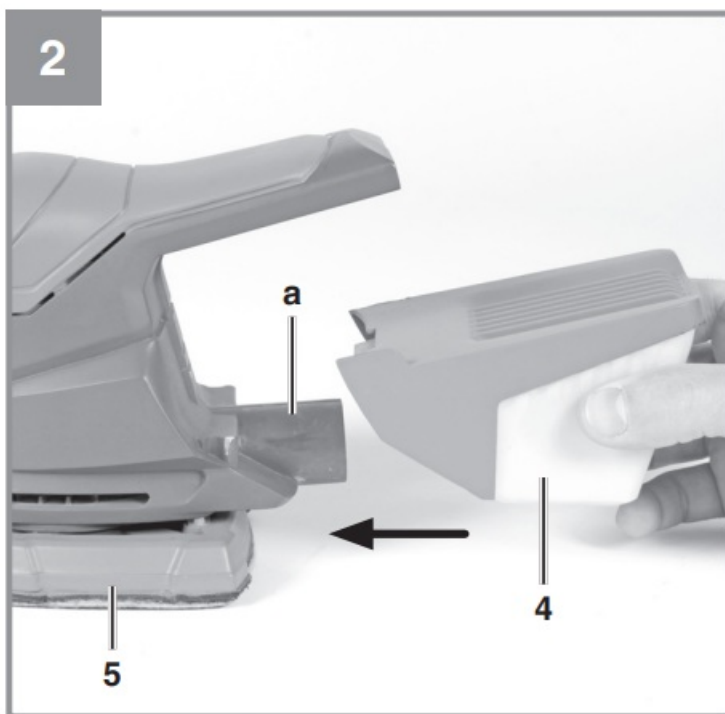
Warning!

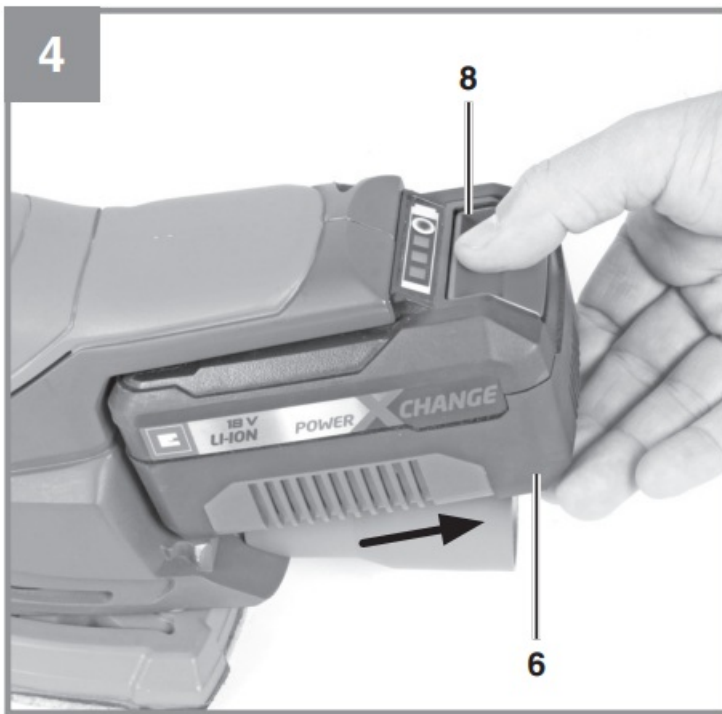
Always remove the battery pack before making adjustments to the equipment.

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

- Charge the battery pack with the charger. An empty battery pack requires a charging period of approximately 0.5 to 1 hour.

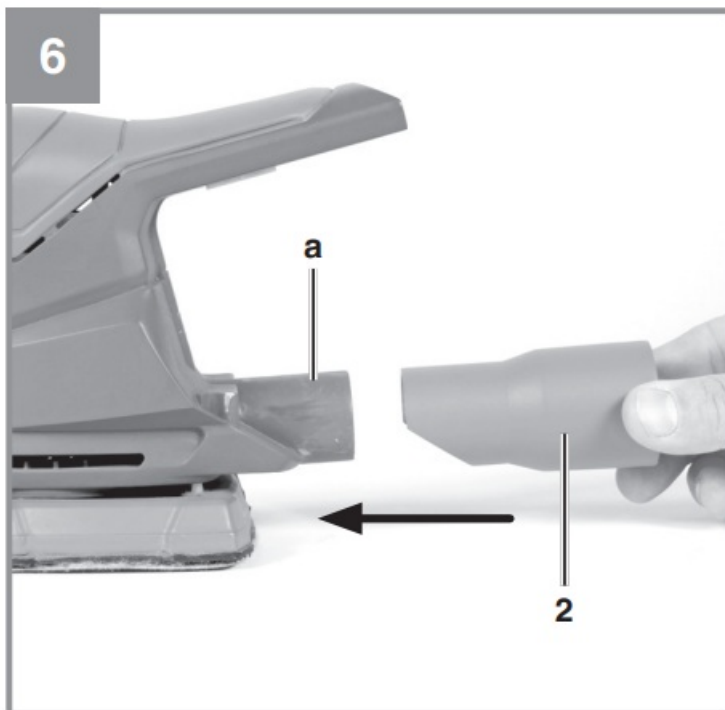
Fitting the dust collection box (Fig. 2-3/Item 4)





- Plug the dust collection box (4) onto the vacuum cleaner connector (a).
- The dust is extracted directly into the dust collection box through the abrasive paper and the oscillating plate (5).
- To empty the dust collection box, open the box as shown in Fig. 3 and carefully empty it by tapping.

Installing the dust extractor adapter (Fig. 6/Item 2)



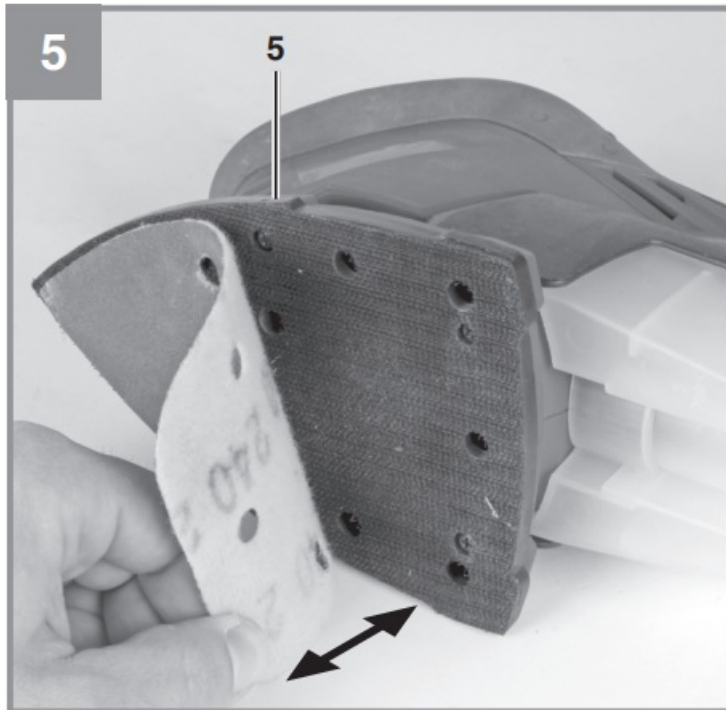
Plug the dust extractor adapter (2) onto the vacuum cleaner connector (a) as shown in Fig. 6.

Connect the dust extractor adapter to a suitable dust extraction system.

Caution!

For health reasons it is imperative that you use the dust collection box or a dust extraction system.

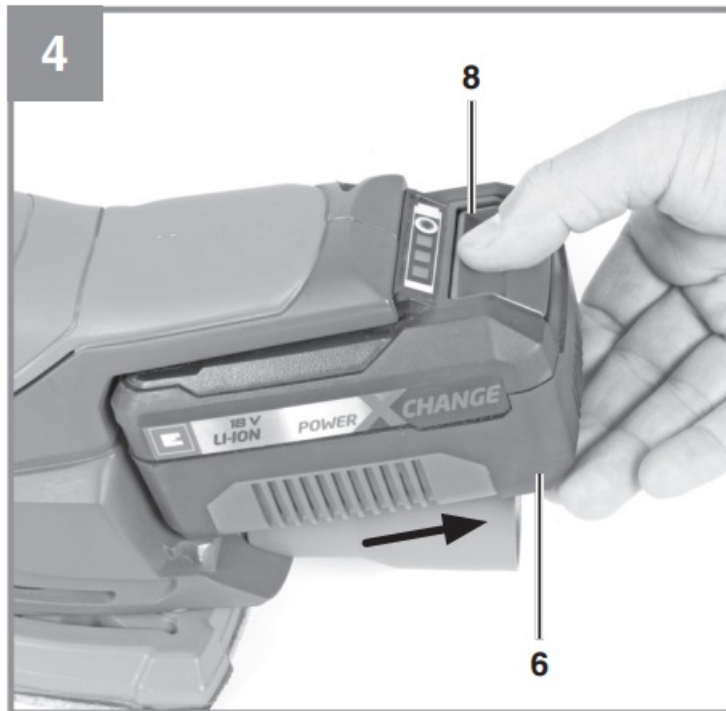
Fastening the abrasive paper with the Hook-and-loop fastening system (Fig. 5)



- Only use abrasive paper with the corresponding dimensions and matching perforations.
- Place the abrasive paper onto the oscillating plate (5) as shown in Fig. 5. Make sure that the perforations in the abrasive paper coincide with the oscillating plate.
- To remove the abrasive paper, simply pull it off.

Operation

Charging the Li battery pack (Fig. 4/7)





1. Remove the battery pack (6) from the handle, pressing the push lock button (8) downwards to do so.
2. Check that your mains voltage is the same as that marked on the rating plate of the battery charger. Insert the power plug of the charger (7) into the mains socket outlet. The green LED will then begin to flash.
3. Push the battery pack onto the battery charger.

In section 10 (Charger indicator) you will find a table with an explanation of the LED indicator on the charger.

If the battery pack fails to charge, check for the following:

- voltage at the power socket
- whether there is good contact at the charging contacts of the charging unit

If the battery pack still fails to charge, send

- the charger and charging adapter
- and the battery pack to our customer service center.

To ensure that items are properly packaged and delivered when you send them to us, please contact our customer service or the point of sale at which the equipment was purchased.

When shipping or disposing of batteries and cordless tools, always ensure that they are packed individually in plastic bags to prevent short circuits and fires.

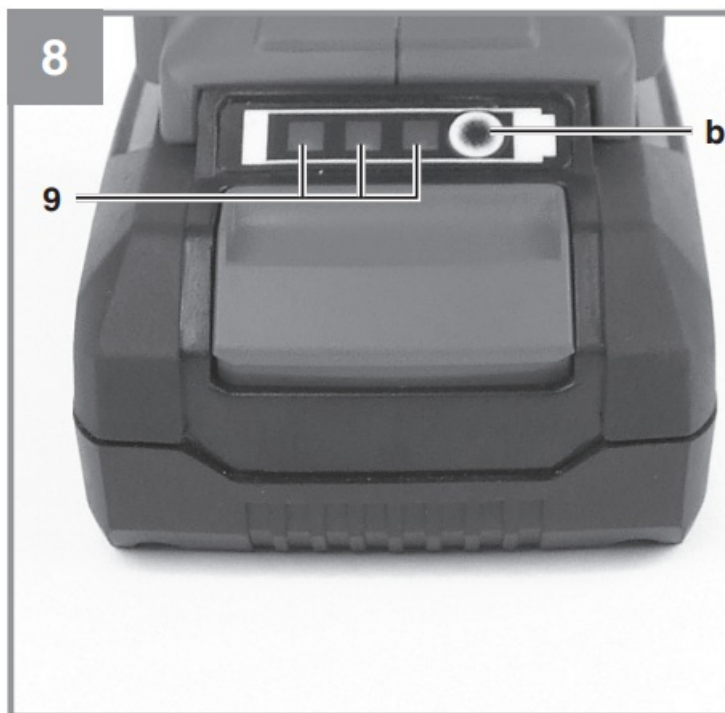
To ensure that the Li battery pack provides long service you should take care to recharge it promptly. You must recharge the battery pack when you notice that the power of the cordless equipment drops.

Switching the equipment On/Off (Fig. 1/Item 1)



- To switch on the equipment, move the switch (1) from “0” to “1”.
- To switch off the equipment, move the switch (1) from “1” to “0”.

Battery capacity indicator (Fig. 8/Item 9)



Press the battery capacity indicator switch (b).
The battery capacity indicator (9) shows the charge status of the battery using 3 LEDs.

All 3 LEDs are lit:
The battery is fully charged.

2 or 1 LED(s) are lit:

The battery has an adequate remaining charge.

1 LED blinks:

The battery is empty, recharge the battery.

All LEDs blink:

The battery pack has undergone exhaustive discharge and is defective. Do not use or charge a defective battery pack.

Working with the multi sander:

- Place the whole surface area of the sanding disk on the material.
- Switch on the machine and move it with gentle pressure over the workpiece, making circular or transverse and linear movements.
- Use a coarse grit for coarse sanding and a finer grit for finish sanding. You can find the best grit size for the job by carrying out sanding tests.

Note:

If you use the cordless equipment with our 3.0Ah Power-X-Change, you will be unable to work with the dust collection box (4) on account of the size of the battery pack. In this case please use the dust extraction adapter (2). (See 5.2.)

Caution!

The dusts which are formed while the equipment is being used may be a health hazard:

- Always wear safety goggles and a dust mask during sanding work.
- All persons who work with the equipment or enter the workplace must wear a protective dust mask.
- Eating, drinking and smoking are prohibited at the workplace.
- Paints containing lead are not allowed to be used!

Cleaning, maintenance and ordering of spare parts**Danger!**

Always pull out the battery pack before starting any cleaning work.

Cleaning

- 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.
- We recommend that you clean the device immediately each time you have finished using it.
- 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.

Maintenance

There are no parts inside the equipment which require additional maintenance.

Ordering replacement parts:

Please quote the following data when ordering replacement parts:

- Type of machine
- Article number of the machine
- Identification number of the machine
- Replacement part number of the part required

For our latest prices and information please go to www.Einhell-Service.com

Disposal and recycling

The equipment is supplied in packaging to prevent it from being damaged in transit. The raw materials in this packaging can be reused or recycled. The equipment and its accessories are made of various types of material, such as metal and plastic. Never place defective equipment in your household refuse. The equipment should be taken to a suitable collection center for proper disposal. If you do not know the whereabouts of such a collection point, you should ask in your local council offices.

Storage

Store the equipment and accessories in a dark and dry place at above freezing temperature. The ideal storage temperature is between 5 and 30 °C. Store the electric tool in its original packaging.

Charger indicator

Indicator status		Explanations and actions
Red LED	Green LED	
Off	Flashing	Ready for use The charger is connected to the mains and is ready for use; there is no battery pack in the charger

On	Off	<p>Charging</p> <p>The charger is charging the battery pack in quick charge mode. The charging times are shown directly on the charger.</p> <p>Important! The actual charging times may vary slightly from the stated charging times depending on the existing battery charge.</p>
Off	On	<p>The battery is charged and ready for use.</p> <p>The unit then changes over to gentle charging mode until the battery is fully charged.</p> <p>To do this, leave the rechargeable battery on the charger for approx. 15 minutes longer.</p> <p>Action:</p> <p>Take the battery pack out of the charger. Disconnect the charger from the mains supply.</p>
Flashing	Off	<p>Adapted charging</p> <p>The charger is in gentle charging mode.</p> <p>For safety reasons the charging is performed less quickly and takes more time. The reasons can be:</p> <ul style="list-style-type: none"> – The rechargeable battery has not been used for a very long time. – The battery temperature is outside the ideal range. <p>Action:</p> <p>Wait for the charging to be completed; you can still continue to charge the battery pack.</p>

Flashing	Flashing	<p>Fault</p> <p>Charging is no longer possible. The battery pack is defective.</p> <p>Action:</p> <p>Never charge a defective battery pack. Take the battery pack out of the charger.</p>
On	On	<p>Temperature fault</p> <p>The battery pack is too hot (e.g. due to direct sunshine) or too cold (below 0° C).</p> <p>Action:</p> <p>Remove the battery pack and keep it at room temperature (approx. 20° C) for one day .</p>

For EU countries only

Never place any electric power tools in your household refuse.

To comply with European Directive 2012/19/EC concerning old electric and electronic equipment and its implementation in national laws, old electric power tools have to be separated from other waste and disposed of in an environment-friendly fashion, e.g. by taking to a recycling depot.

Recycling alternative to the return request:

As an alternative to returning the equipment to the manufacturer, the owner of the electrical equipment must make sure that the equipment is properly disposed of if he no longer wants to keep the equipment.

The old equipment can be returned to a suitable collection point that will dispose of the equipment in accordance with the national recycling and waste disposal regulations. This does not apply to any accessories or aids without electrical components supplied with the old equipment.

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Subject to technical changes

Service information

We have competent service partners in all countries named on the guarantee certificate whose contact details can also be found on the guarantee certificate. These partners will help you with all service requests such as repairs, spare and wearing part orders or the purchase of consumables.

Please note that the following parts of this product are subject to normal or natural wear and that the following parts are therefore also required for use as consumables.

Category	Example
Wear parts*	Grinding/sanding plate, Battery
Consumables*	Grinding/sanding paper
Missing parts	

Not necessarily included in the scope of delivery!

In the event of defects or faults, please register the problem on the internet at www.Einhell-Service.com.

Please ensure that you provide a precise description of the problem and answer the following questions in all cases:

- Did the equipment work at all or was it defective from the beginning?
- Did you notice anything (symptom or defect) prior to the failure?
- What malfunction does the equipment have in your opinion (main symptom)?

Describe this malfunction.

Warranty certificate

Dear Customer,

All of our products undergo strict quality checks to ensure that they reach you in perfect condition. In the unlikely event that your device develops a fault, please contact our service department at the address shown on this guarantee card. You can also contact us by telephone using the service number shown.

Please note the following terms under which guarantee claims can be made:

1. These guarantee terms apply to consumers only, i.e. natural persons intending to use this product neither for their commercial activities nor for any other self-employed activities. These warranty terms regulate additional warranty services, which the manufacturer mentioned below promises to buyers of its new products in addition to their statutory rights of guarantee. Your statutory guarantee claims are not affected by this guarantee. Our guarantee is free of charge to you.
2. The warranty services cover only defects due to material or manufacturing faults on a product which you have bought from the manufacturer mentioned below and are limited to either the rectification of said defects on the product or the replacement of the product, whichever we prefer.

Please note that our devices are not designed for use in commercial, trade or professional applications. A guarantee contract will not be created if the device has been used by commercial, trade or industrial business or has been exposed to similar stresses during the guarantee period.

3. The following are not covered by our guarantee:

- Damage to the device caused by a failure to follow the assembly instructions or due to incorrect installation, a failure to follow the operating instructions (for example connecting it to an incorrect mains voltage or current type) or a failure to follow the maintenance and safety instructions or by exposing the device to abnormal environmental conditions or by lack of care and maintenance.
- Damage to the device caused by abuse or incorrect use (for example overloading the device or the use

or unapproved tools or accessories), ingress of foreign bodies into the device (such as sand, stones or dust, transport damage), the use of force or damage caused by external forces (for example by dropping it).

- Damage to the device or parts of the device caused by normal or natural wear or tear or by normal use of the device.

4. The guarantee is valid for a period of 24 months starting from the purchase date of the device. Guarantee claims should be submitted before the end of the guarantee period within two weeks of the defect being noticed. No guarantee claims will be accepted after the end of the guarantee period.

The original guarantee period remains applicable to the device even if repairs are carried out or parts are replaced. In such cases, the work performed or parts fitted will not result in an extension of the guarantee period, and no new guarantee will become active for the work performed or parts fitted. This also applies if an on-site service is used.

5. To make a claim under the guarantee, please register the defective device at: www.Einhell-Service.com. Please keep your bill of purchase or other proof of purchase for the new device. Devices that are returned without proof of purchase or without a rating plate shall not be covered by the guarantee, because appropriate identification will not be possible. If the defect is covered by our guarantee, then the item in question will either be repaired immediately and returned to you or we will send you a new replacement.

Of course, we are also happy offer a chargeable repair service for any defects which are not covered by the scope of this guarantee or for units which are no longer covered. To take advantage of this service, please send the device to our service address.

Also refer to the restrictions of this warranty concerning wear parts, consumables and missing parts as set out in the service information in these operating instructions.

Declaration of conformity: We declare conformity in accordance with the EU directive and standards for article



Akku-Multischleifer TE-OS 18/150 Li (Einhell)

☐ 2014/29/EU

☐ 2005/32/EC_2009/125/EC

☐ (EU)2015/1188

☐ 2014/35/EU

☐ 2006/28/EC

☒ 2014/30/EU

☐ 2014/32/EU

☐ 2014/53/EU

☐ 2014/68/EU

☐ (EU)2016/426

Notified Body:

☐ (EU)2016/425

☒ 2011/65/EU_(EU)2015/863

☒ 2006/42/EC

☐ Annex IV

Notified Body:

Reg. No.:

☐ 2000/14/EC_2005/88/EC

☐ Annex V

☐ Annex VI

Noise: measured L_{WA} = dB (A); guaranteed L_{WA} = dB (A)

P = kW; L/Ø = cm

Notified Body:

☐ 2012/46/EU_(EU)2016/1628

Emission No.:

Standard references: EN 62841-1; EN 62841-2-4; EN 62233; EN 55014-1; EN 55014-2

ISC GmbH · Eschenstraße 6 · D-94405 Landau/Isar

Landau/Isar, den 04.05.2021



Andreas Weichselgartner/General-Manager



Nigel Yang/Product-Management

First CE: 16 Archive-File/Record: NAPR023723

Art.-No.: 44.607.08 I.-No.: 21020 Documents registrar: Georg Riedel

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Declaration of conformity

We, Einhell UK Ltd

Champions Business Park, First Floor Unit 10, Arrowe Brook Rd, Upton, Wirral CH49 0AB, United Kingdom
declare the conformity to UK standards and legislation was assessed for:

Cordless Multiple Sander TE-OS 18/150 Li (Einhell)

UK legislation

- | | |
|--|--|
| <input type="checkbox"/> Simple Pressure Vessels (Safety) Regulation | <input checked="" type="checkbox"/> Electromagnetic Compatibility Regulation |
| <input type="checkbox"/> Electrical Equipment (Safety) Regulation | <input type="checkbox"/> Measuring Instruments Regulation |
| <input type="checkbox"/> Radio Equipment Regulation | <input type="checkbox"/> Pressure Equipment (Safety) Regulation |
| <input type="checkbox"/> Personal Protective Equipment Regulation | <input checked="" type="checkbox"/> Supply of Machinery (Safety) Regulation |
| <input type="checkbox"/> Noise Emission in the Environment by Equipment for use Outdoors Regulation | |
| <input type="checkbox"/> The Ecodesign for Energy-Related Products and Energy Information Regulation | |
| <input checked="" type="checkbox"/> The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulation | |

Wirral, 2021.05.03




Tom Chambers, Managing Director Einhell UK Ltd.

Archive-File/Record: NAPR023723

Article Number: 44.607.08 I.-No.: 21010 Documents registrar: Riedel Georg

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Documents / Resources

	<p>Einhell TE-OS 18 Cordless Fixed Speed Detail Orbital Sander [pdf] Instruction Manual TE-OS 18, Cordless Fixed Speed Detail Orbital Sander</p>
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References

-  [Einhell Service](#)
-  [Einhell Service](#)