



EN

Operating instructions

With e-bike pass and maintenance booklet

SachsenRad E-Racing Bike R8 Flex III



Product number: BB12281/82



Congratulations on the purchase of your new e-bike!

This e-bike is a powerful combination of a high-end bike, a powerful motor and a high-quality lithium battery. Faster and further with more fun: it is the ideal companion for your fitness programme, in your leisure time and on your everyday routes.

Due to the physical differences, riding habits and riding characteristics of every cyclist, especially on mountain and long-distance rides, cycling can be very strenuous. Our e-bike has been specially developed to make this easier and give you a great riding experience.

Please read these instructions carefully.

Important *notes*

This manual contains important safety, performance and service information.

Please ensure that you have read and understood the following warnings and precautions before using the product for the first time. If you lend your e-bike to another person, ask them to read this manual to minimise the likelihood of accidents.

WARNING: Wear a suitable and qualified helmet while riding and wear fluorescent or reflective clothing at night.

WARNING: Your existing insurance policies may not cover everything that could occur when using an e-bike. Please contact your insurance company or your insurance broker.

NOTE: This manual does not contain all possible complications that may occur during the ride. Please also read the F.A.Q. to solve any problems with the e-bike. For further information, please contact your dealer. Please also contact your dealer or find a professional service technician if repair or maintenance is required. Please observe all warnings in this manual, read and understand the contents before using your bike.

WARNING: Warnings indicate that considerable damage to property, serious injury or death may occur to you or others. It is essential that you comply with the legal regulations applicable in your country.

CAUTION: Tampering with the electrical management system is strictly prohibited.

NOTE ON IMAGES:

Images and graphics in the manual may differ from your actual product, as the e-bike is manufactured in several versions. The images are intended as supplements to the text and for better understanding.

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E-BIKE PASS / BIKE PASS

PLEASE COMPLETE THE FOLLOWING E-BIKE PASS, IN MINIMAL FORM,
CAREFULLY IN YOUR OWN INTEREST!

FRAME NO. *	<input type="text"/>		
MODEL	<input type="text"/>		
TYPE E-RACING BIKE BATTERY SERIAL NO.	<input type="text"/>		
ENGINE (REAR/CENTRE)	<input type="text"/>	ENGINE SERIAL NO. (IF AVAILABLE)	<input type="text"/>
SIZE (IN INCHES)	<input type="text"/>		
COLOUR FRAME/FORK/RIM	<input type="text"/>	<input type="text"/>	<input type="text"/>
DERAILLEUR GEARS	<input type="text"/>		
	TYPE/NUMBER OF GEAR	<input type="text"/>	
SPECIAL EQUIPMENT	SUSPENSION FORK <input type="text"/>	BASKET <input type="text"/>	FRONT CARRIER <input type="text"/>
	OTHER	<input type="text"/>	
OWNER	<input type="text"/>		
	<input type="text"/>		
	<input type="text"/>		
SELLER	<input type="text"/>		
	<input type="text"/>		
	<input type="text"/>		
PURCHASE DATE	<input type="text"/>		

*THE FRAME NO. IS LOCATED ON THE FORK STEERER TUBE (BEHIND THE HEADLIGHT)

DETAILS on SERIES and FRAME NUMBER

Your e-bike has a unique frame number. Make a note of this on the warranty certificate or in conjunction with your invoice and keep the certificate in case of theft.

In this case, the passport contains all the relevant information for the police or your insurance company. To maximise the protection of your e-bike against theft, you should purchase a high-quality U-lock or chain lock. Please do not leave your E-bike in an unattended place. Please lock the main components such as the frame battery when you lock the E-bike.

Your local police station or the ADFC (Allgemeiner Deutscher Fahrrad Club) usually offer a free bicycle registration service. In the event of theft, this makes it easier to file a report and deal with your insurance company. There is also a corresponding free app from the police (for iOS and Android in the corresponding app store). This information applies to Germany, please enquire with your local authorities. There is a comparable free service in almost every country.



(BIKE PASS APP)

1. unpacking and assembly instructions

Tip: Your e-bike is slightly heavier than a normal bike. It is best if two people lift it out of the box.

Tools and aids required (recommendation)

- Tool set:



3x Allen key
1x multi-open-end spanner
1x screwdriver

- ceiling or old carpet (to prevent the floor or the e-bike from being damaged during installation).
is scratched.

Please read the following instructions carefully before unpacking and assembling your e-bike and follow the recommended sequence:

- 1 Carefully open the packaging box (please wear gloves to avoid injury).
- 2 Carefully remove the bike from the box, preferably in pairs.
- 3 Place the bike on a blanket to avoid scratching the floor and the bike.
- 4 Remove all parts from the large box, including the accessory box.
- 5 Carefully cut the various cable ties to avoid accidentally damaging the bike, paintwork or tyres or losing accessories.
- 6 Remove the protective material.
- 7 Remove the E-Bike battery from the packaging or from the E-Bike battery sled and charge it for at least 10 to 12 hours first.

WARNING: Incorrect installation and use of parts not supplied and improper modifications to the original condition of the e-bike can lead to considerable material damage or the cancellation of any warranty and guarantee claims. This can even result in accidents, serious injuries or death. If you wish to upgrade or add further parts or accessories, please contact your dealer or a suitable expert. They will be able to provide you with information.

WARNING! If you replace parts of the e-bike, upgrade parts or add accessories, please note that such changes may not have the same safety qualifications, so there is a certain safety risk.

Designation of the e-bike parts



- | | |
|-------------------------|---|
| 1. Saddle | 10. Drive chain |
| 2. Seat post | 11. Rear wheel / tyres |
| 3. Quick-release saddle | 12. Sprocket cassette |
| 4. Rear brake | 13. Motor |
| 5. Front wheel / tyres | 14. Battery spanner |
| 6. Front brake | 15. Bicycle handle |
| 7. Pedals and chainring | 16. Left handbrake lever (rear brake control) |
| 8. Suspension fork | 17. Right brake lever (front brake control) |
| 9. Battery | 18. Front / rear light |

2. STRUCTURE

2.1 Before installation

WARNING: Incorrect assembly of your e-bike can cause considerable material damage and even personal injury. If you are not sure whether your assembly is correct, please contact your dealer.

WARNING: The motor, controls, sensors, battery and various cables on your bike must not be used for any other purpose. Do not disassemble or modify [adjust] these parts, as this may result in serious damage to these parts and may also invalidate the warranty. It may also jeopardize your personal safety. If you need help, please contact your dealer.

NOT INCLUDED IN THE SCOPE OF DELIVERY:

Air pump with car valve

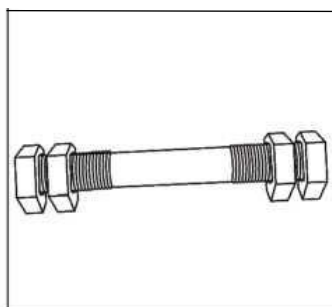
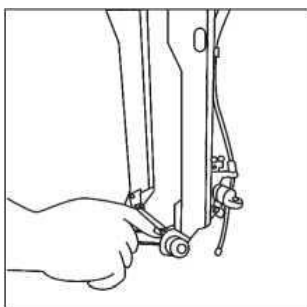
Please use an air pump to bring the tyre pressure of the front and rear wheels to at least 2.8 bar BEFORE THE FIRST RIDE. Attention: Tyre pressure must not be higher than 3.5 bar!

Note: For transport reasons, we can only deliver the e-bike with very low tyre pressure. Do not ride without first topping up the tyre pressure!

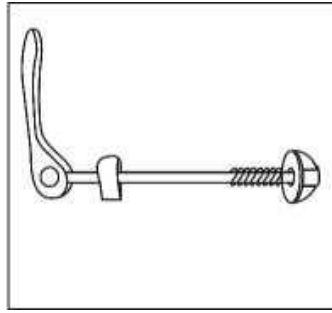
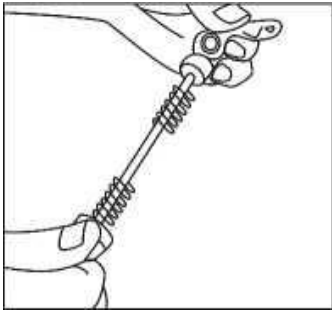
2.2 Fitting the front wheel

1. remove the front fork guard from the front fork.

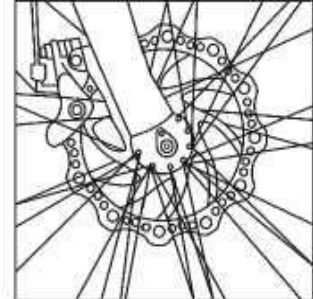
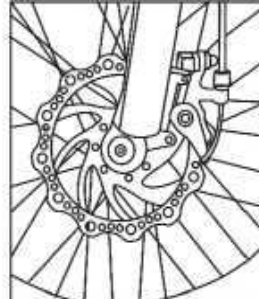
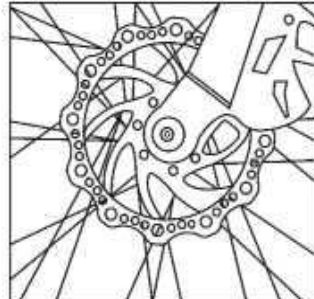
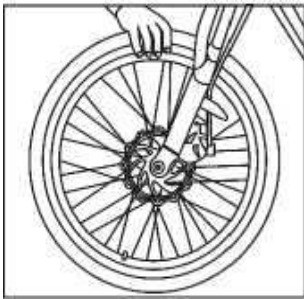
Please note: The front fork guard is used to prevent the forks from deforming during transport. It is part of the packaging material. You can throw these accessories away or keep them for future transport (returns)!



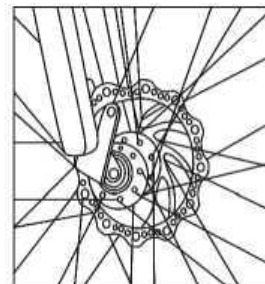
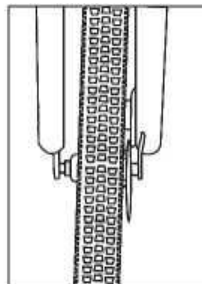
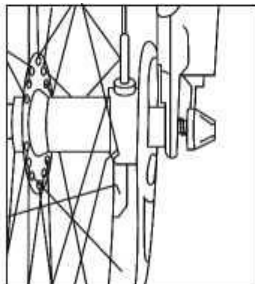
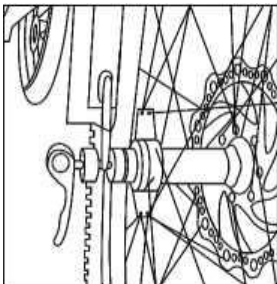
2. remove the quick release from the bike and unscrew the bolt from the quick release.



3. mount the front wheel on the fork. Ensure that the fork is attached to the axle and make sure that the disc is in the center of the brake.



4. insert the quick-release axle into the spring and tighten the screw (the quick-release nut must be on the same side as the brake).



2.3 Fitting handlebars

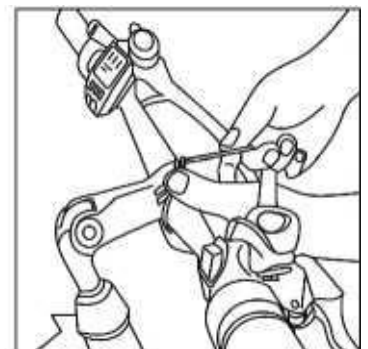
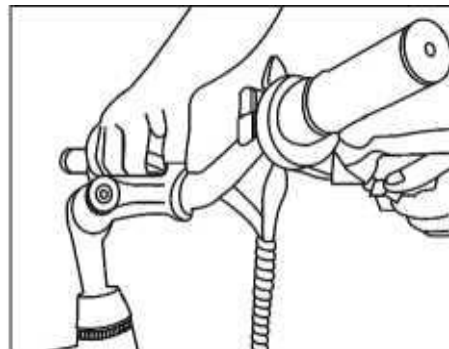
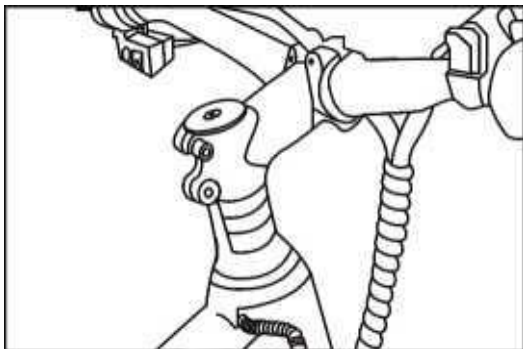


Fig.1 Fig.2 Fig.3

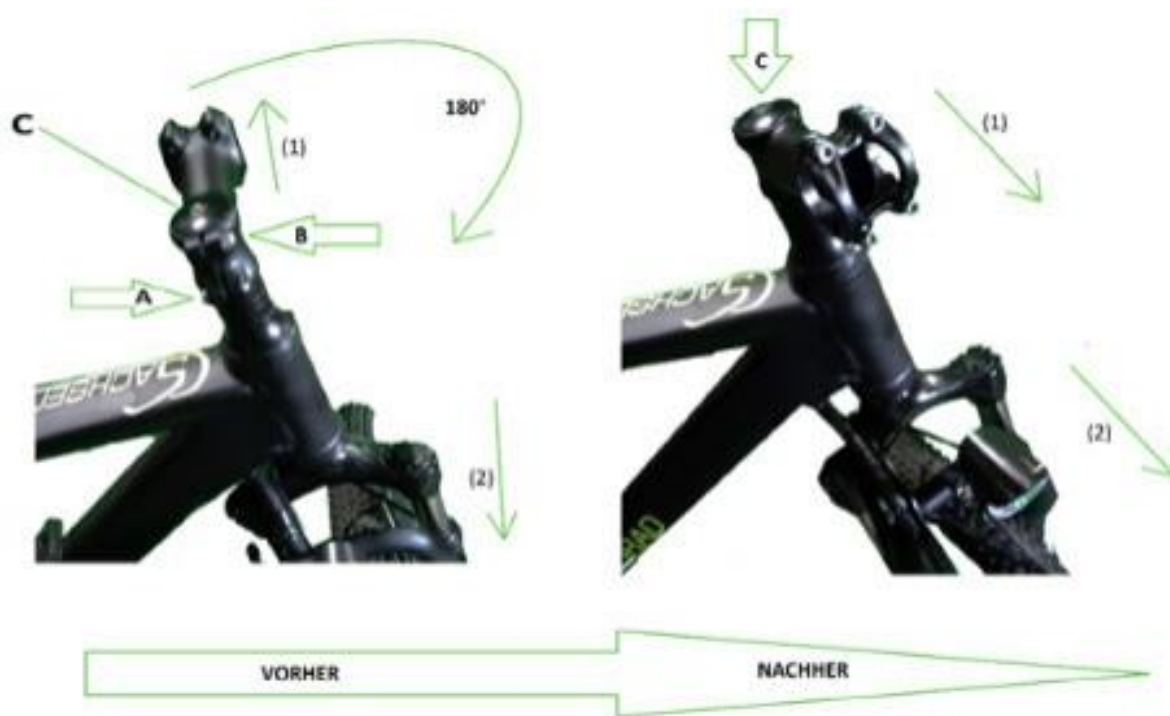
Now you need to fit the handlebars and then readjust the steering head bearing. Firstly, loosen the four bolts on the stem (Fig. 1).

NOTE: The stem is designed differently on some versions of the R8.

Now place the handlebars in the shell of the stem (please note the direction and routing of the cables and Bowden cables) and screw the stem back on as shown in Fig. 2, aligning the handlebars in the centre of the stem beforehand and tighten the four hexagonal bolts crosswise using the tool supplied. Tighten the bolts evenly and carefully.

ADJUSTING THE TILT OF THE HANDLEBAR ROD: First loosen the clamping spindle screws of the handlebar sleeve (Fig. 3) using the appropriate hexagon socket spanner. Adjust the tilt angle of the handlebar by turning the handlebar forwards or backwards around its own axis by hand. Then retighten the clamping spindle screws.

2.4 Aligning the steering head bearing and stem



Note: This step may differ for your model and may not be necessary because it has already been pre-assembled.
Note: The handlebars have not yet been fitted in the illustration, this is for the sake of clarity. Please follow the assembly sequence described.

Now that the handlebars are installed, you need to turn the stem 180 degrees so that the suspension fork and handlebars are in the correct position. To do this, first remove the rubber screw cover (C) and loosen the underlying screw (C) using the appropriate tool. Open the horizontal bolts of the stem ((A) and (B) in the illustration) so that the steering head bearing can move freely when turning and tightening. Now align the handlebars with stem at a 90° angle to the suspension fork by turning them 180° (use the cables and Bowden cables as a guide to determine whether to the left or right). The arrows (1) and (2) describe the directions of the stem and the suspension fork. On the left-hand picture you can see the delivery state and on the right-hand

picture the final alignment of the assembly. When everything is correctly aligned, tighten the single head bolt (C) until the steering head bearing no longer has any play but can still be moved easily. You can then tighten the two horizontal bolts of the handlebar stem once from the left (A) and once from the right (B) until everything forms a unit. Finally, put the rubber screw cover (C) back on the hexagon head bolt from above.

2.5 Installing the pedals

- 1 Please secure your bike. It is best if two people hold it so that the chain and crank can turn smoothly.
2. take the pedals out of the packaging and sort them. "R" stands for the right foot, "L" is the left foot.
3. align the foot thread with the mounting hole on the crank, turn the right-hand pedal in the pedal clockwise and the left pedal anti-clockwise.



4. use a 15 mm open-end spanner to tighten the pedals.

WARNING: Improper installation of the pedal can pose a serious safety risk that can result in significant property damage, serious injury or death. Please check that the pedals are secure before each use.

2.6 Fitting the saddle

1. make sure that the quick release of the seat post is open (Fig. A).
2. insert the seat post into the seat post holder on the frame (image B).
3. press the quick-release lever onto the frame and close it. Please adjust make sure that the lever is locked (Fig. C). Failure to do so may result in injury.



Picture A Picture B Picture C

Tip: Please adjust the nut on the opposite side of the lever to set the tightening force of the lever.

WARNING: Do not pull the seat post out further than the minimum insertion depth mark. The marking must not be visible! Risk of breakage and accident! No warranty if disregarded!

2.7 Adjusting the saddle height

1. the height of the saddle can be adjusted using the quick release on the seat post. You only need to Release the quick-release lever to freely select the height of the saddle. Once you have set the desired height, lock the quick-release lever again and the adjustment is complete.
2. after adjustment, make sure that the quick-release of the seat post is securely locked. The seat post must not slip. (Picture below)

WARNING: Incorrect installation of the seat post can lead to serious injury or death. It is strictly forbidden to raise the height of the seat post above the safety line.



Not after the first few rides, but after a certain period of use, the chain may be worn due to the transmission strength and can be correctly adjusted using a tensioning screw that holds the chain in place. The chain should be adjusted to the smallest sprocket of the flywheel. Turn the rear transmission tensioning screw (see Fig. A) clockwise using a screwdriver. The chain should not sag. Also ensure that the chain is sufficiently greased and clean.

2.9 Lighting

NOTE: If the accessory pack includes front and rear lights and a bell, these must still be fitted.

Rear light

The rear lights are attached to the rear mudguards. It is possible to switch the rear light and the front light on and off at the same time.



Front light

If you do not find your front light already plugged into the front part of the e-bike, unpack the light from the accessory box and install it using the hexagon head bolt and nut supplied. You will find the necessary tools in the tool case in the accessory box. Connect the plug of the light to the plug on the e-bike. Pay attention to the arrows on the side.



2.10 Removing and inserting the battery



Removing the battery Inserting the battery

Removing the battery

To remove the battery, insert the supplied key into the lock and turn it slightly to the right. The battery should now come a little way out of the locking mechanism. You can then remove the battery from the battery compartment. Be careful not to damage the paintwork of the e-bike frame.

Inserting the battery

Insert the lower part of the battery into the battery compartment first. Be careful not to damage the paintwork of the e-bike frame. The battery should now slide into the battery slot almost by itself. Press the battery lightly until it clicks into place and is thus firmly fixed in the battery slot.

2.11 The suspension fork



You can lock your suspension fork (e.g. on longer journeys on tarmac roads without potholes) to save energy. To do this, set the red lever (A) to "Lock" when the suspension fork is not loaded. To put your suspension fork back into suspension mode, the red lever must be set to "unlock" again.

On the other side of the suspension fork you have the option of adjusting the spring a little softer or firmer, please refer to the labelling on the grey lever (B). Turn it to the right to adjust the fork a little harder (+), turn it to the left to adjust it a little softer (-). Adjust both settings only when the bike is stationary and the suspension fork is not under load, never while riding.

3. OPERATION AND FUNCTIONS

3.1 First use

Please read this section carefully. Before using the device for the first time, please contact your dealer to find out more about the features of your electric bike.

1. put on your helmet and choose a quiet place away from cars, other bikes, obstacles or risky environmental conditions.
2. take a test ride on your electric bike without motor assistance and adjust everything to suit you.
3. to switch on the e-bike system, press and hold the menu button for 2 seconds. If you press and hold the menu button again for 2 seconds, the E-Bike system is switched off.

NOTE: Please do not switch on the e-bike system until you are safely on the bike.

WARNING: Do not sit on your bike with the kickstand unfolded, as this can cause damage to the vehicle and personal injury.

Is nothing running?

To solve the problem, please refer to :

F.A.Q. - Frequently asked questions about problems and their solutions

3.2 Braking with the e-bike

TIP: When you apply the brakes, the motor is automatically switched off, which is a standard safety setting.

TIP: Never brake hard. Please apply both brakes at the same time.

WARNING: If you suddenly squeeze the front brakes, you will roll over. Please do not set your brakes too tightly to prevent the wheels from locking and accidents. Check the sensitivity and braking force of the brakes before every journey.

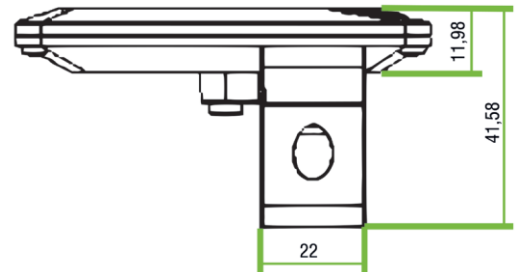
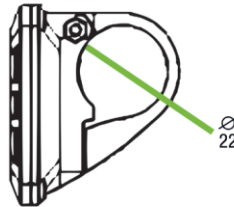
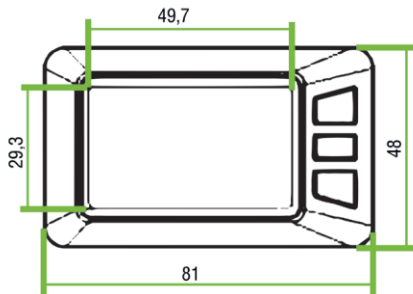
3.3 The control display

Intelligent control display for electric bikes.

Model: KD 21C

Specifications

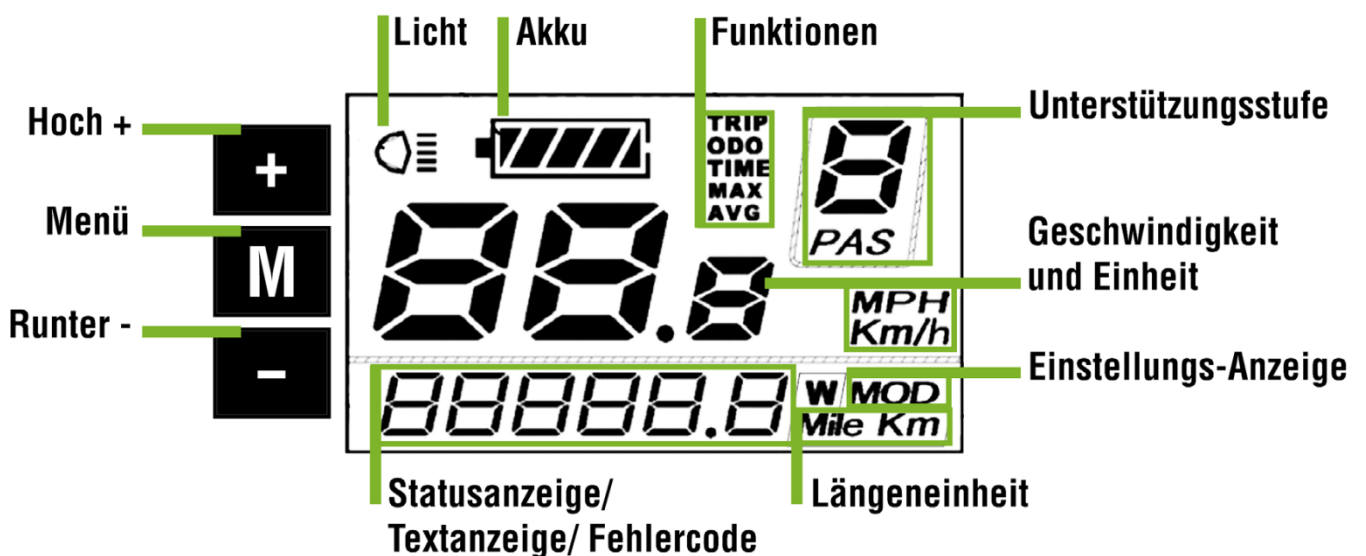
- 24V / 36V / 48V power supply
- Rated current: 10mA
- Maximum operating current: 30mA
- Quiescent current when switched off: <math><1 \mu\text{A}</math>
- Working temperature: -20 to 60 °C.



Control display dimensions (in mm)

Functions of the control display / function layout

- Intelligent battery indicator
- Motor power output
- Display of the assistance level
- Speed display
(incl. current driving speed, maximum speed and average speed)
- Restoring the default settings
- Total distance and distance travelled
- The push-assist function
- Time display for single journey
- Lighting on/off
- Error code display



Installation instructions

The control display is mounted on the left-hand side of the handlebars. Adjust the angle for a good picture screen view. Switch off the power beforehand.

General operation

Switching the e-bike control display on and off

To switch on the control display, press and hold the menu button for 2 seconds. When you press the menu button again for 2 seconds, the E-Bike system is switched off. If you park the e-bike for longer than 10 minutes, the system switches off automatically.

Error code definition

If improper operation by the user occurs (e.g. excessive pressing of the menu, + or - button), the user can switch off the display and restart it. If the e-bike is not moved for approx. 10 minutes, the control display switches off automatically.

Operation and functions

Speed levels

When the control display is switched on, the speed level is 0. 5 speed levels are available.

At level 0, the e-bike runs without speed assistance. Riding assistance starts at minimum power level 1 and you receive maximum power at level 5. You can change the speed level using the + and - buttons.

Switching the lighting on/off

To switch on the backlight of the display and the headlight of the e-bike, hold the + button for 2 seconds. If you press and hold the + button again for 2 seconds, the backlight and the headlight are switched off.



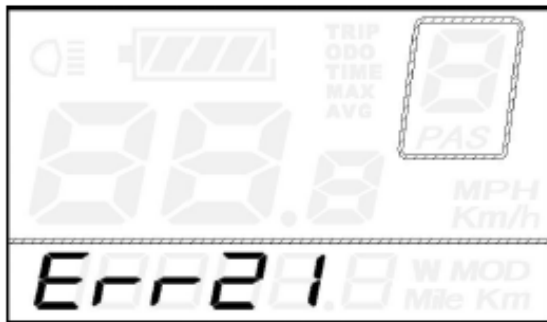
Restoring the default settings

DEF stands for restoring the default settings. The default value is N. To restore the default settings, press and hold the up (+) and menu buttons for 2 seconds and then press the +/- button to select Y or N. N means that the default settings will not be restored. Y means that the default settings will be restored. If you want to select Y, press and hold the MODE button for 2 seconds to restore the default settings. The display will show DEF-00 at the same time and then return to the general display status.



Error code display

The components of the E-Bike system are continuously and automatically monitored. As soon as an error is detected, the control display shows you an error code (see error code list).



If an error code is displayed, have the display checked and repaired if necessary. Please contact the manufacturer or a cycle dealer in your area.

INDEX OF ERROR MESSAGES (appear on the control display)

Error number Error code definition

- 21 Current fluctuation
- 22 Error in the control system
- 23 Motor fault
- 24 Faulty signals from the motor
- 25 Faults on the brakes
- 30 Communication error

Quality assurance and warranty

The warranty is valid for 24 months from the date of purchase of the e-bike and only if used properly.

The following cases are not covered by the warranty:

1. the display is torn off.
2. damage to the display is caused by incorrect installation or use.
3. the housing of the control display is damaged after the purchase of the e-bike due to third-party fault has been damaged.
4. the display cable is broken.
5. the warranty period has been exceeded

4.1 Battery - charge level indicator



Press and hold the button on the battery charge level indicator and the current charge level of your e-bike will be displayed.

Illumination of the LEDs:

Blue	Fully loaded
Green	Average state of charge
Red	Low state of charge
Flashing	Battery must be charged, no operation possible

Always check the remaining battery power. If your battery contains less than one cell (20%), please charge it as quickly as possible.

The motor and battery control stops automatically to protect the battery and prevent a power failure as soon as the battery voltage falls below a certain value.

Warning: Never use the battery until it is completely discharged, as this will seriously affect the capacity and charge status of the battery. If the battery stops working, use a suitable charger to recharge the battery.

Note: If you suddenly encounter a steep incline while riding and your speed drops below 10 km/h, you should dismount and climb the incline on foot to prevent the chain and motor from being damaged. Otherwise the motor may overheat. The battery discharges too quickly at high power and the battery capacity and service life are reduced.

4.2 Battery use, safe storage and handling

Battery use

Reading and understanding the following points can help you to use, maintain and store your battery correctly, which is very important for improving the performance of your e-bike.

WARNING: Improper removal, repair, use or storage of the battery may invalidate the warranty and may have serious consequences. It is strictly forbidden to use the battery of your electric vehicle for other vehicles or devices. This will invalidate the warranty and may have serious consequences such as fire, serious injury or death. If you have any questions regarding the use of the battery, please contact your dealer.

WARNING: Never intentionally short-circuit a battery. This can result in an explosion, fire and therefore a serious risk to your health.

4.3 After use

Switch off the control display or the main battery switch before dismounting in order to be able to lower the kickstand safely. If you have any questions about the last time you used your e-bike, please contact your dealer or a specialist workshop before your next ride.

4.4 Charging

Please charge your battery fully, as the lithium-ion battery can be severely damaged if it is fully discharged. Maintaining the charge of the battery helps to protect it.

NOTE: Please unplug the charger from the socket before connecting the mains plug of the charger to the mains socket.
socket is connected.

NOTE: If you want to disconnect a charger from the mains, first switch off the charging switch.

CAUTION: To prevent damage to the charger, do not tear the charger or subject it to strong impacts.

WARNING: Improper use of the charger can lead to serious consequences that may result in fire, substantial property damage, serious injury or death.

NOTE: Do not place any objects on the battery and charger during the charging process, as this can lead to overheating and serious consequences.

NOTE: Please use your charger indoors as damage caused by improper use is not covered by the warranty.

Charging plan (Rekommandation)

Loading	Hours
First three charges	12
Normal charging	4-6
All ten charges	12

Charge the battery after each use to ensure the longest possible service life.

CAUTION: Never charge for longer than 12 hours to avoid overvoltage.

WARNING: Please use the charger supplied to charge the battery. If you use a charger other than the original, the battery will lose its warranty and may be damaged, resulting in fire, injury or death.

Tip: You can recharge your battery at any time. If you do not charge the battery in time when it is empty, it will gradually lose its performance and service life. With proper use and maintenance, your battery can retain more than 80% capacity after more than 500 charging cycles, but the decrease in total capacity is inevitable.

4.5 Factors influencing the reach

Factors influencing the range of your e-mobility with the R8:

- Age and state of charge of the battery
- Storage/storage location before travelling (depending on the temperature)
- Outdoor temperatures
- Tyre pressure (recommendation: 2.9 - 3.4 bar)
- Weight driver
- Riding style and choice of assistance level
- Road/path condition
- Weather conditions
- Frequent stopping and restarting
- Cleanliness and integrity of the bearings and all moving parts

4.6 Range optimization

- Fully charge the battery.
- Check the tyre pressure 2.9 - 3.4 bar.
(recommended depending on body weight, payload and route profile)
- Reduce the load.
- Do not drive too fast.
- Maintain a constant speed.

5. BEFORE THE FIRST JOURNEY

This section is intended to prepare you for your first ride. Please always wear a safety helmet in the correct size. If you wish to lend the e-bike to others, please ensure that they wear a safe and appropriate helmet.

Do not take anyone with you on your bike!

Overloading, which can be caused by double manning, can have serious consequences that can lead to considerable damage to property, serious injury or death.

Compliance with traffic laws and regulations

Please drive on the side of the carriageway that is legally required. Take into account the local Laws and regulations!

Reflectors

Please keep the reflectors clean, bright and do not remove them.

Check the brakes

Please check the braking distance and braking force before each journey. Please note that the right brake corresponds to the rear brake and the left brake corresponds to the front brake. Your e-bike is equipped with normal brake pad specifications. Please check the brake pads every time and ask your dealer about the brake pads. If the brake pads are worn, please replace them as soon as possible.

Tyre pressure

The tyre pressure is usually indicated on the side of the tyre. Your tyres contain inner tubes that you must inflate. Please check the pressure of your tyres before every ride. Tyres gradually lose pressure, which is normal. If you lose too much air pressure, please re-inflate your tyres. If your tyre pressure is insufficient, this leads to additional power consumption, effort and reduces your range.

Instructions for use:

Prevent unauthorized use of the e-bike (e.g. use a lock).

WARNING: If you brake hard and lock the tyre, this will result in a rollover, which can lead to considerable material damage, serious injury or death. If you are not sure whether your brake adjustment is appropriate, please contact your dealer or consult a specialist.

6. MAINTENANCE

Component	Initial assembly	500km or half a year*	1000km or 1 year*	Per 1000km or 1 year*
Tubes and tyres	x	x	x	x
Wheel incl. rims and spokes	-	x	x	x
Brakes	x	x	x	x
Light and reflectors	x	x	x	x
Stem and handlebars	x	x	x	x
Steering head bearing	x	x	x	x
Saddle(support)	x	x	x	x
Frame	-	x	x	x
Circuit	x	x	x	x
Suspension fork	-	x	x	x
Battery and Battery holder	x	x	x	x
Drive system	-	x	x	x
Chain	-	x	x	x
Bottom bracket, cranks and pedals	-	x	x	x
Accessories components	-	x	x	x
Screw connections	x			
Quick release	x		Before every journey	

*The earlier event is used as a guide, i.e. whether only km or the period have been reached.

You can voluntarily use this maintenance table and the service table to carry out inspections and repairs. to be properly carried out and registered by your mechanics. You are not obliged to in addition. In the event of a subsequent warranty claim on your e-bike, this can help us in our assessment and possibly confirm or even increase the chances of goodwill.

WARNING: For your safety, the battery must always be removed during maintenance!

The specifications generally include cleaning, greasing and adjusting the specific component as necessary and, if necessary, replacing it due to wear, fatigue or damage. General information and brief instructions for the care of individual parts can be found on the following pages.

WARNING: Be aware that the components and systems can heat up during use. Wait some time after the journey before starting care, inspection or maintenance to avoid burns.

Regular inspection: small checklist

A	Check the tyres for damage and whether the tyre pressure is sufficient.
B	To check the function of the front brake, apply it halfway or two-thirds and if the front wheel does not rotate, everything is functional. To check the rear brake: Apply pressure to the foot pedal when lifting the bike. The brake is effective if the rear wheel does not turn.
C	Make sure that the parts for the quick lock are locked in place.
D	The safety line on the tube of the handlebar attachment and the saddle must not be visible. Check that everything is firmly tightened.
E	Check whether the frame and front fork are cracked or deformed and whether the pedals, gear wheels and tyres are intact.
F	Check whether the gearbox is deformed or damaged.
G	Check whether the gearbox can be used normally.
H	Check the bolts and nuts. Raise the front and rear wheels approx. 10 to 20 cm and then let your e-bike hit the ground. If noises occur, there may be loose parts.
I	Check whether the lighting can be used normally.
J	Regular cleaning of your e-bike is recommended. This prevents the build-up of stubborn dirt and premature rusting caused by salty air or water.

CAUTION: Do not use high-pressure cleaners or aggressive and grease-dissolving agents.

TIP: Use water and a soft cloth to avoid damaging your e-bike. If it is very dirty, you can use special bike cleaning agents.

Notes on the inspection and maintenance of some components and systems:

Impellers	<p>The front and rear wheels of the vehicle should be in the centre of the fork or frame. The tension of each spoke on the wheel rim should be similar and the rim should form a regular circle without dents. If spokes are missing or broken, the rim will lose stability. Please ask your dealer or professional technician for repair and troubleshooting.</p> <p>The wheel must be round. If this is not the case, it will increase the resistance of the ride or cause a hazard. If you think you need to make adjustments, please contact your dealer or consult a professional technician.</p>
Chain	<p>Your e-bike is equipped with a high-quality drive chain. Please keep the chain clean and add lubricant frequently.</p> <p>The brake pads and brake discs must be kept free of grease. Keep the brake discs and brake pads clean.</p>
Tyres	<p>Always check the tyre for scratches, cracks or excessive wear. The tyre should be correctly combined with the rim. The tyre bead line should be fully exposed. If the tyre cannot be pulled fully onto the wheel, apply water to the rim and tyre to increase lubrication.</p> <p>The valve of the inner tube should be perpendicular to the rim. Damaged or excessively worn tyres must be replaced immediately. Please contact your dealer or a technical specialist to replace your tyres. If your tyres have been punctured accidentally, contact your dealer or technician for repair or replacement.</p>
Rear wheel hub motor	<p>Do not open the motor and do not overload or operate the motor over a long distance or on a very steep incline. It is strictly forbidden to attach other objects to or on the motor housing, as this can have a negative impact on statics, riding safety and heat dissipation.</p>
Brake system	<p>Depending on the conditions, the braking effect may diminish after a short running-in period or a squeaking noise may be heard. The squealing could be caused by contamination. You should carefully clean your brake discs with a suitable cleaner (brake cleaner). If the braking effect decreases, we recommend that you visit a specialist workshop or a suitable technician.</p>

7. SAFETY INSTRUCTIONS

Please wear a helmet!	<p>If you ride an e-bike, please wear a safe, approved helmet!</p> <p>It is strictly forbidden to carry people. Please observe the traffic regulations and be careful with suddenly opening car doors.</p> <p>Try to stay away from cars parked at the side of the road in case the door suddenly opens or the car blocks your line of sight so that you cannot see people or objects suddenly appearing in time.</p>
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Please be especially careful in bad weather!

In wet weather, your electric bike brakes many times slower than normal. Please reduce your speed, brake in advance and ride carefully through bends. Make sure that you are seen by other road users.

If you are riding on dark roads or at night, please wear clothing with reflective stripes or fluorescent paint as a warning. Switch on your own lights and check the reflectors and keep them clean. Drive slowly and with foresight.

Please concentrate!

You should pay attention to the traffic!

Check your vehicle before every journey!

Please check your entire e-bike before every ride: brakes, tyres, rims, quick-release levers and all screws or components. The battery must be carefully maintained to ensure its safety and reliability.

Pay attention to the legal regulations in the country in which you use your e-bike!



Do not open your battery!

Modifications to your battery can lead to explosions and considerable damage. Never intentionally short-circuit a battery. This can result in an explosion, fire and therefore a serious risk to your health. Leaking batteries can be toxic. It is therefore essential that you avoid contact with your skin and eyes if batteries have leaked. Wash the affected areas immediately and consult a doctor if necessary.



8. SERVICE BOOKLET

You can voluntarily use this template for inspections and repairs by your mechanics, properly registered. You are not obliged to do so. In the event of a subsequent warranty claim This can help us to assess your e-bike and increase the chances of goodwill.

1st inspection	2nd inspection	3rd inspection	4th inspection
Carried out on:	Carried out on:	Carried out on:	Carried out on:

Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop
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5th inspection Carried out on:	6th inspection Carried out on:	7th inspection Carried out on:	8. inspection Carried out on:
Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop

9. inspection Carried out on:	10. inspection Carried out on:	11. inspection Carried out on:	12. inspection Carried out on:
Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop	Signature/ Stamp Specialist workshop

9. F.A.Q. - Frequently asked questions and their solutions

Below you will find some common problems and solutions. If the following methods solve your problem does not solve the problem, please contact your dealer

Problem	Possible cause	Solution approach
Control display does not respond - Attempt to switch on without result	<ul style="list-style-type: none"> 6. Battery empty 7. Battery is not seated correctly in the battery sled 8. Control display / control unit connection cable not connected or defective 9. Control Display defektive 10. Defective battery (circuit) 	<ul style="list-style-type: none"> 5. Fully charge the battery 6. Return the battery slide to its original position and tighten the two fastening screws securely 7. Check the plug connection of the display control on the handlebars 8. Replacing the Control Display 5. replacement of the e-bike battery
E-bike and control display fall after a short journey off or failure to reach the maximum motor support	<ul style="list-style-type: none"> 4. E-bike battery is almost empty 5. Plug contacts of the battery slide not connected 6. Battery protection and charging control defective 4. defect in display control unit or engine control unit and engine damage 	<ul style="list-style-type: none"> 1. fully charge the battery 2. check the position of the battery slide* 3. replacement of the e-bike battery* 4. exchange of the respective component*
Despite correct operation the motor does not run	<ul style="list-style-type: none"> 3. Circuit breaker in brake lever defective 4. Disconnected motor cable connectors 3. battery cable disconnected 	<ul style="list-style-type: none"> 3. Check cable contacts or replace the brake lever including cable* 4. Checking the plug connections* 3. check battery cable*
Low range although Battery fully charged	<ul style="list-style-type: none"> 7. Increased requirements due to changes in payload, incline, headwind, etc. 8. Battery too old 9. Defective battery 10. Storage or use at ambient temperatures that are too cold (below 5°C) 11. Brake system grinds 12. Insufficient lubrication one of the moving components 	<ul style="list-style-type: none"> 7. Increase your own pedalling effort 8. Replace battery* 9. Replace battery* 10. Store battery at more than 7 degrees and less than 25 degrees before travelling 11. Adjust the brake* 12. Check bearings, regrease if necessary*
Battery does not charge	<ul style="list-style-type: none"> 3. Plug connections loosened 4. Defective battery 3. charger defective 	<ul style="list-style-type: none"> 3. Check plug contacts* 4. Replace battery* 3. replace the charger
Front light does not work	<ul style="list-style-type: none"> 5. Operating errors 6. Cable connection defective 7. Plug released 8. LED defective 5. battery empty 	<ul style="list-style-type: none"> 5. Read "Control display" 6. Replace cable* 7. Check plug connections 8. Replace front light* 5. fully charge the battery
Unusual noise	<ul style="list-style-type: none"> 5. Chain must be regreased 	<ul style="list-style-type: none"> 5. Regrease the chain

development	<ul style="list-style-type: none"> 6. Gear shift must be readjusted 7. Chain is too tight 8. Pedal crank has come loose 5. steering head bearing has too much play 	<ul style="list-style-type: none"> 6. Readjust gear shift* 7. Re-tension the chain* 8. Retighten crank arms* 5. retighten steering head bearing
Braking effect decreases, Brake shows no effect	<ul style="list-style-type: none"> 3. Brake pad wear 4. Brake set incorrectly 3. brake has become too hot under continuous load (e.g. due to long downhill rides) 	<ul style="list-style-type: none"> 4. Replacing the brake pads* 5. Readjusting the brake system* 6. Use the brake alternately
Restless behaviour of the Chain in the first or last Gear of the gear shift Gears do not shift clean	<ul style="list-style-type: none"> 3. The gear shift is out of adjustment 4. Parts of the gearstick are defective 3. gear shift, chain, shift arm are heavily soiled or insufficiently lubricated 	<ul style="list-style-type: none"> 4. Adjust the gearshift* 5. Replacement of defective components* 6. Cleaning and regreasing the respective components

* Please do not carry out these solutions yourself. Please contact a suitable technician or specialist workshop or our support team.

10. DATA SHEET

Model number: R8		
1	Dimensions	1840 × 680 × 1150 mm
2	Wheel diameter	680 mm
3	Distance front and rear axle	1150 mm
4	Weight	23 kg
5	Maximum speed	25 km/h
6	Maximum permissible load	125 kg
7	Maximum permissible total weight	150 kg
Main parameters of the battery		
1	Battery type	Lithium-ion
2	Nominal voltage	36 V / 14.5 Ah
Main parameters of the motor		
1	Motor mode	Rear wheel hub motor
2	Motor type	Brushless DC motor
3	Performance	250 W
4	Tension	36 V
Controller parameters		
1	Undervoltage protection value	31,5±1 V
2	Overcurrent protection value	15±1 A
Battery charger		

1	Input voltage	AC 100/240 V, 50/60 Hz
2	Output voltage	42 V
3	Output current	2 A
Mechanical specifications		
1	Brake type	Oil brake
2	Finger paddle right	9-speed

Statement on the sound pressure level:

The A-weighted emission sound pressure level that can be heard by the driver is less than 70 dB(A).

11. DECLARATION OF CONFORMITY

The manufacturer declares that the above-mentioned products comply with all relevant declarations of the Machinery Directive.

Directive -2006/42/EC, Low Voltage Directive 2014/35/EU Product Safety 2001/95/EC, RoHS 2011/65/EC 2015/863 and Electromagnetic Compatibility 2014/30/EU.



12. DISPOSAL

Our duty to inform according to the Battery Act

In connection with the sale of batteries or with the delivery of devices that contain batteries/rechargeable batteries/illuminants, we are obliged to draw your attention to the following:

Do not dispose of your old appliance with household waste!

As the end user, you are legally obliged to do so. In the case of a removable battery/rechargeable battery or a light source, you must dispose of these separately in the appropriate return system. You can dispose of old appliances/batteries/lamps at the collection points of the public waste disposal organisations (recycling centres) and at distributors within the meaning of the ElektroG (retail trade) . hand them in. You can also return old devices/batteries/lamps of which LEICKE has similar devices in its range to our dispatch warehouse.

LEICKE GmbH

Ref. old appliances/batteries/lamps

Stöhrerstrasse 17

04347 Leipzig

You are also responsible for completely deleting any personal data on old devices.

The symbols shown on the batteries have the following meaning:

The crossed-out dustbin symbol means that the battery should not be disposed of in the waste bin. household waste.

Pb = battery contains more than 0.004 per cent lead by mass
Cd = battery contains more than 0.002 per cent cadmium by mass
Hg = battery contains more than 0.0005 per cent mercury by mass.
Please follow the instructions above.



13. IMPRINT

We have made every effort to ensure that the information in this manual
The product function parameters are subject to change without prior notice.

LEICKE GmbH
Stöhrerstr. 17
04347 Leipzig
info@leicke.com



14. WARRANTY

Manufacturer's warranty/warranty conditions and service for LEICKE e-bikes

Warranty and guarantee:

You can assert warranty claims within a maximum period of 24 months, calculated from the date of purchase. The warranty is limited to the repair or replacement of the damaged component. / e-bikes and is carried out at our discretion. Our warranty is always free of charge for you. However, it does not apply if defects other than defects in material and workmanship are identified.

Guarantee on frames:

The frame comes with a five-year guarantee against breakage. The guarantee begins from the Date of purchase. In the event of a broken frame, we will offer you an exchange of the e-bike or a credit note, minus a flat-rate usage fee, on presentation of the proof of purchase. The amount of the usage fee depends on the period since you purchased the e-bike. The warranty does not apply if defects other than defects in material and workmanship are found. This also applies if you have drilled holes in the frame, e.g. to fit accessories. This also voids the warranty on the electronics of your E-Bike.

Warranty on battery:

1 We grant a 12-month warranty on the proper functioning of the battery. The warranty begins on the date of purchase. The warranty service is limited to the repair or replacement of the battery and is provided at LEICKE's discretion. The warranty service is always free of charge for you. The guarantee does not apply if defects other than defects in material and workmanship are found.

Changes due to wear and tear, such as reductions in capacity, are expressly excluded from the warranty. taken.

2. the warranty or guarantee claim must be proven by presentation of the buyer's proof of purchase.

3. the investigation of the fault and its causes shall always be carried out by LEICKE. The warranty
Any components replaced under the warranty or guarantee shall become our property.

4. in the event of a justified warranty or guarantee claim, the costs of despatch and the costs of delivery shall be borne by the customer.

of removal and installation at the expense of LEICKE.

5. if the E-Bike has been modified by third parties or by the installation of third-party parts, or if defects that have occurred are originally related to the modification, the warranty and guarantee claim shall lapse. Furthermore, the warranty and guarantee shall become null and void if the instructions for handling and using the bicycle given in the operating instructions have not been followed. This applies in particular to the intended use as well as the care and maintenance instructions.

6 Not included in the warranty or guarantee are

a) Components that are subject to wear, consumption or wear and tear (excluding clear material or manufacturing defects), e.g:

- Tyres - lights - saddle - brake components - kickstand - battery - chain - sprockets - grips - fuse - derailleur sprockets - stickers/decals - cables - Bowden cables - etc.

b) Damage that is attributable to

- the non-use of original spare parts.

- Manipulation of the control software of the engine control unit (incl. de-throttling, tuning, etc.)

- improper installation of components by the buyer or a third party.

- Damage caused by stone chipping, hail, road salt, industrial fumes, lack of care, unsuitable care products, etc.

c) Consumables that are not related to repair work on recognised faults.

d) All maintenance work or other work caused by wear and tear, accidents or operating conditions, such as driving without observing the manufacturer's instructions.

e) All occurrences, such as noise, vibrations, colour changes, wear, etc., which do not impair the basic and driving characteristics.

f) Costs for maintenance, inspection and cleaning work.

7. the warranty or guarantee entitles the customer to demand only the rectification of the defect. Claims for return or reduction of the purchase price shall only apply after failure of the rectification. Compensation for direct or indirect damage shall not be granted.

8. the warranty or guarantee period is neither renewed nor extended by an executed warranty or guarantee. The assertion of claims after expiry of the period is excluded.

9. warranty and guarantee provisions other than those listed above are only valid if
if they are confirmed in writing by Leicke GmbH / SachsenRad.

10. should a technical problem occur with the e-bike you have purchased, please contact us. with the support hotline of Leicke GmbH / SachsenRad (Tel: 03412196181).

Contact: info@sachsenrad.de
LEICKE GmbH,
Stöhrerstrasse 17,
04347 Leipzig



15. RETURN VOUCHER

If you have any questions about your e-bike, please contact our customer service team: info@sachsenrad.de

Ihre Angaben			
Referenz-Nr.			
Name			
Straße		Nr.	
Stadt		PLZ	
Land			
E-Mail			

Rücksendeadresse			
Firma	LEICKE GmbH		
Straße	Stöhrerstraße	Nr.	17
Stadt	Leipzig	PLZ	04347
Land	Deutschland		
Ref.	Retoure Sachsenrad		

gekauft bei	
gekauft am	

E-Bike Modell / Artikelnummer	
Rahmengröße	
Farbe	

Please complete this form carefully. All information is voluntary. Failure to complete the form will not affect your consumer rights, but will complicate and delay the processing of your return.

Retourengrund	
Gefällt nicht, entspricht nicht den Erwartungen	
Versandkarton beschädigt	
Falscher Artikel wurde geliefert	
Keine Kaufabsicht	
Zu lange Lieferzeit	
Lieferung unvollständig	
Artikel defekt	
Artikel beschädigt	

In the event of a defect or damage, please state the reason for the defect. Enter missing parts under Other.
(see next page)

Return - This is how it works if our customer service was unable to solve your problem.

1. please contact our customer service before returning the product
2. pack well
Take your time and pack the item carefully.
Remove old labels and barcodes from the shipping carton.
3. fill in the returns slip and put it in the parcel.

If you have already sent us the receipt by e-mail, it is sufficient to state the reference number.

4. stick the return label on the parcel

If you do not yet have a return label, then simply contact our customer service.

5. take the parcel to the post office

Once the return has been successfully processed, we will send you an e-mail and inform your retailer.

In the event of signs of use or damage, as well as improper dispatch, we may be entitled to charge for the resulting reduction in value. Please note the information in your retailer's cancellation policy.

Defect	Description of the
Battery	
Charger	
Control display (error code)	
Brakes	
Motor	
Handlebars	
Suspension fork	
Wheel	
Light	
Bottom bracket	
Miscellaneous	

If you send this receipt by e-mail, please attach pictures or videos of the defect.

Contact:

Leicke GmbH

Stöhrerstraße 17, 04347 Leipzig

Phone: 0341 - 218 259 00

E-mail: info@leicke.com



EU Erklärung der Konformität (Doc.)

ver161018

Wir

Firmenname:	Leicke GmbH
Anschrift:	Stöhrerstr. 17
Postleitzahl und Stadt:	04347 Leipzig
Telefonnummer:	0341 2196183
E-Mail-Adresse:	info@leicke.com

erklären Sie, dass das Dokument unter unserer alleinigen Verantwortlichkeit herausgegeben wird und zu dem folgenden Produkt gehört:

Modell / Produkt:	SachsenRad Mountainbike R8 Flex III
Type :	BB12281, BB12282
Charge	
Seriennummer:	

Gegenstand der Erklärung (Kennzeichnung des Gerätes zwecks Rückverfolgbarkeit; falls notwendig für die Identifikation kann ein Farbfoto mit genügender Schärfe beigefügt werden):

- Der Motor unterstützt bis zu einer Geschwindigkeit von 25 km/h.
- Die Motor Nenndauerleistung ist maximal 250 Watt.



Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen Harmonisierungsvorschriften der Union:

Maschinenrichtlinie 2006/42/EU
EMV Richtlinie 2014/30/EU
LVD Richtlinie 2014/35/EU
RoHS 2011/65/EU 2015/863

Die folgenden harmonisierten Standards und technische Spezifikationen sind angewendet worden (Kennnummer, die angewandte Fassung und das Ausgabedatum):

Titel, Datum des Standards/der Spezifikation:

EN 15194:2017	EN 55014-1:2006+A1 +A2
EN 61000-3-2:2014; EN 61000-3-3:2013	EN 60335-2-29:2004+A2
DIN EN ISO 4210-1 bis -9:2014/2015	EN 55014-2:2015; EN 62133:2013
EN 50581:2012; EN 60335-1:2012+A11:2014	EN 62233:2008; EN ISO 12100:2010

Benannte Stelle (falls zutreffend):

Kenn-Nummer der benannten Stelle:

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Zusätzliche Information:

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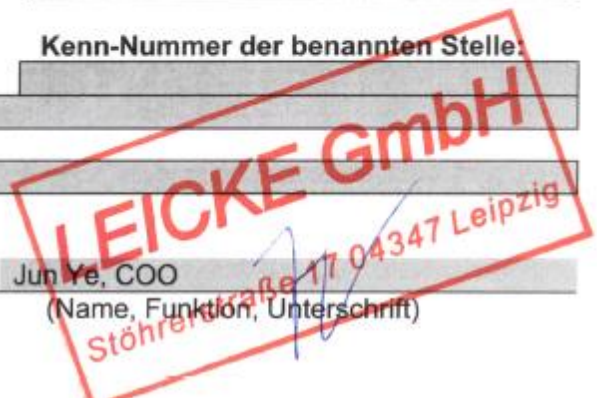
Unterzeichnet für und im Namen von:

Leipzig	22.12.2023
---------	------------

(Ausstellungsort) (Ausstellungsdatum)

Jun Ye, COO

(Name, Funktion, Unterschrift)



SACHSEN RAD

We wish you
Have a good journey with your
**SachsenRad E-Racing Bike R8
Flex III**

