

# PowerDrive Instructions for use



**AUREUSDRIVE**





## INTRODUCTION

Dear "Driver",

Thank you for choosing an AureusDrive electric bike. You will have a lot of fun and enjoy riding this elegant, fast, beautiful and robust electric bike!

S-Pedelec is the abbreviation for Speed Pedal Electric Cycle and means that the rider receives additional electric pedal assistance up to a speed of 45 km/h. The S-Pedelec is a bicycle with electric assistance. The S-Pedelec is a bicycle with electric assistance. In Switzerland and the EU, this type of vehicle is considered a motorised bicycle and is subject to compulsory registration or insurance. The rider must be in possession of a category M driving licence, which can be obtained from the age of 14. Riders of so-called fast electric bicycles (maximum design speed with pedal assistance of more than 25 km/h up to a maximum of 45 km/h: Art. 3b para. 3 let. c VRV) must wear a bicycle helmet (tested in accordance with EN 1078).

All e-bike users must comply with the regulations for cyclists and must therefore use the cycle lanes and cycle paths signposted in Switzerland (Art. 42 Para. 4 VRV, Art. 46 Para. 1 Road Traffic Act-SVG, Art. 33 Para. 1 Signalisation Ordinance-SSV).

Please note that the legislation for S-pedelecs may vary abroad. In Germany, for example, it is forbidden to ride an S-pedelec on cycle paths unless this is expressly stated. Before travelling abroad, please find out about the regulations that apply in your destination country.

Since 1 July 2012, children in Switzerland may be transported in a bicycle trailer not only with an e-bike up to 25 km/h as previously, but also with a faster electric bicycle up to 45 km/h. A maximum of three children may be transported on an electric bicycle - two in the trailer and one on the child seat (Art. 42 Para. 4 VRV in conjunction with Art. 63 Para. 3 Letters b and d and Para. 4 VRV). As the additional weight increases the braking distance, the speed should also be adjusted or reduced accordingly.

We wish you many good journeys!

**Sergio & Gabriel**  
**Founder of AureusDrive AG**

## IMPORTANT

- The electric bike should only be put into operation when the charger is no longer connected.
- The brakes must be run in during the first few kilometres of a new electric bike.
- Only charge in dry rooms.
- The battery and charger must not be placed on flammable surfaces during the charging process.
- Always check that the battery is locked and cannot fall out.
- The battery should be recharged every 3 months, even if the electric bike is not being used.
- In winter, it is best to remove the battery from the electric bike and store it at 15 to 18 degrees Celsius.
- If an error message appears on the screen, this means that an error has occurred in the system and you should contact your AureusDrive workshop.
- If the battery has been damaged in a fall, you should have it checked by your AureusDrive partner.
- The battery must not be opened and may only be transported in its original packaging.
- Never use a steam cleaner or Kärcher to clean your bike. Firstly, the electronics could be damaged and secondly, this would remove grease from the chain and bearings. This can lead to corrosion.
- Do not place the battery completely under water – wiping with a damp cloth is sufficient.
- It is better not to use the battery if the contact points are still damp.
- Do not use degreasing cleaners for tyres and seals, as this would damage the rubber.
- Just after the first 500 kilometres, the rear derailleur should be adjusted by AureusDrive or an AureusDrive partner during the 500 km check-up.

## OPERATING UNIT



- A Brake lever
- B Support switch / button for switching the system on and off
- C High beam On/Off
- D On-board computer
- E Electronic bell
- F Gear selector switch

## DISPLAY KEY-DISP

1st view page - (switch using the **(i)** button on the handlebars)



Lighting on  
Battery charge level

ODO Total mileage  
PAS (Pedal Assist Sensor) Support level (1-5)

**Tip:** Pressing the **(-)** button for 3 seconds activates the pushing aid when pushing.



The **(+)** button on the handlebars increases the assistance (1-5).

The **(-)** button on the handlebars reduces the assistance.

The **(on)** button on the handlebar switches the bike on and off (long press).

You can use the **(i)** button on the handlebars to display the current (SPEED), average (AVG) and maximum (MAX) speed.

2nd view page (switch using the (i) button on the handlebars)



TRIP Distance travelled since the last reset.

TIME Duration of the distance travelled

AVG Measured average speed

MAX Measured maximum speed

**Note:** To reset the TRIP to zero, you must press and hold the **(i) button** for 3 seconds.

**ATTENTION** this procedure resets all values on the 2nd view page to zero!

## DISPLAY KEY-DISP – Further information

To switch the system on or off, press and hold the **switch-on button for** at least three seconds.  
for at least three seconds.

Support level 1 is preset as standard. This ensures that you do not have full motor power when starting off and set off too quickly.

The "walking assistance" mode is activated by pressing the **(-) button** and starting to push your e-bike. The assistance is up to 6 km/h, depending on the level.

The PAS assistance mode has 5 positive levels for assistance and 3 negative levels for energy recovery.

You can switch directly to energy recovery mode while riding, by holding down the **(-) button** for at least 2 seconds and a symbol appears on the display to exit this mode again, release the button and the e-bike switches back to positive PAS mode.

To access the main menu, for example to set the time or brightness, **press the (+) button and (-) button** for at least 3 seconds. You can then set the time, screen brightness, etc.  
IMPORTANT: Performance manipulations can lead to the warranty being cancelled.





## AKKU – PowerDrive model:

The battery can be removed from the electric bike. To do this, the handlebars must be turned so that the mudguard is no longer under the down tube.

Turn the spanner anti-clockwise ↺ and simultaneously pull the holding device at the upper end upwards.

The battery can then be carefully pulled out from below – be sure to pay attention to its weight.

To insert the battery, first insert the lower end into ↓ and press the upper part upwards into the holder. Make sure that the battery audibly clicks into the locking mechanism. Finally, turn the spanner clockwise ↻ to lock the battery securely in place.





## AKKU:

→ The battery and charger must not be damaged during the charging process. not lie on a flammable surface.

→ If the battery has been damaged in a fall, you must  
You can have it checked by your AureusDrive partner.

→ The battery must not be opened and may only be used in its original packaging. or snapped onto the e-bike.

→ Under no circumstances should the bike be washed with a strong jet of water, such as a high-pressure cleaner.

→ For disposal, take the used battery to an AureusDrive sales point or a municipal collection point.



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The battery has a capacity of 1440Wh. The range of the battery depends on various factors such as incline, rider weight, ambient temperature, assistance level and cadence as well as tyre pressure.

Our tests have shown an average range of 80 to 200 kilometres, depending on the assistance level, on rides without major inclines.

When the battery is fully discharged, a full charge takes between 7 and 9 hours. between 7 and 9 hours.

Our charger charges the battery with a rather low current of 3 amps at 48 volts. This is very gentle on the cells of the Samsung battery and results in a long battery life.

→ The battery should be charged every 2 months, even if the electric bike is not in use. is used.

→ In winter, it is best to remove the battery from the e-bike and store it at a Temperature between 15 and 18 degrees.

→ Do not completely submerge the battery - wipe with a damp cloth is sufficient.

→ It is better not to use the battery if the contact points are still damp.

→ Only charge the battery in a dry, non-flammable place.

## SPECIFICATIONS:

Frame	
Colour of the frame	White, black, grey metallic
Size of the frame	S (155cm - 170cm), M (170cm - 185cm) or L (taller than 185cm)
Tyres	Schwalbe Marathon Plus Tour 28"x 2.00
Weight (incl. battery)	33 kg
Engine	Aureus-Power-Drive rear wheel hub motor 1000 Watt / Torque 55 Nm
Sensors	Sensors for torque, speed and temperature
Display	LED display 81x52x85mm
Pedal assistance	5 stages / 3 stages Energy recovery (motor brake)
speed	45 km/h
Battery	Lithium-ion battery with 1440 Wh
Reach	80 - 200 km (guide value)
Battery charging time	Approx. 8 hrs.
Circuit	Pinion C1.9 or Shimano Deore 10-speed gears - depending on the version
Brakes	Magura MT5e 203mm
Suspension fork	AureusDrive 70mm suspension travel, 40mm tubes
Saddle and grips	Ergonomic Velo brand grips and saddle
Lighting	LiteMove AE200 with high beam
Luggage carrier	AureusDrive
Handlebar	Promax brand aluminium
Rear-view mirror	Busch & Müller

## CONFORMITY

### EC DECLARATION OF CONFORMITY POWERDRIVE AUREUSDRIVE

AureusDrive AG  
Rothenring 3a  
CH-6015 Lucerne

**Product designation:** AureusDrive PowerDrive e-bike  
**Trade name:** AureusDrive  
**Model designation:** PowerDrive

For the selected product it is confirmed that it fulfils the requirements of the following European directives.

2014/35/EU Low Voltage Directive  
2014/30/EU Electromagnetic compatibility (EMC)  
2006/42/EU Machinery Directive  
2011/65/EC Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

#### The distributor:

AureusDrive AG  
Rothenring 3a  
6015 Lucerne

Lucerne, 25.04.2025

