

CRUSSIS

CZECH ELECTRIC BICYCLES MANUFACTURER

Electric bicycle user manual



OLI

eBike Systems

OLI Guera 8.7-S / 8.7-M

OLI Atland 8.7-S / 8.7-M

OLI Fionna 8.7-S / 8.7-M

OLI Largo 8.7-S / 8.7-M

OLI Cross 8.7-S / 8.7-M

OLI Cross lady 8.7-S / 8.7-M

ONE-OLI Guera 8.7-S / 8.7-M

ONE-OLI Largo 8.7-S / 8.7-M

ONE-OLI Cross 8.7-S / 8.7-M

ONE-OLI Cross lady 8.7-S / 8.7-M

Enjoy your e-ride!

**/MTB
SERIES**

**/CROSS
SERIES**

ONE
CRUSSIS

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Foreword

Dear users,


Thank you for purchasing a CRUSSIS e-bike! We appreciate you choosing our product. For proper operation of the CRUSSIS e-bike, read the product information carefully before using it. In this manual we inform you about all the details related to the use of the e-bike (including the installation of the device, settings and normal use of the display). This manual will also help you solve any ambiguities and problems.

CRUSSIS ELECTROBIKES s.r.o wishes you many beautiful and safe kilometers on the new e-bike.

Seznam prodejců CRUSSIS naleznete na webových stránkách **www.cruassis.cz**.

What is e-bike?

It is a classic bicycle that is equipped with an electric motor. It can be located in the center, rear or front hub. The electric motor can have a power not exceeding 250 W. The maximum assistance speed is limited to 25 km/h and this restriction corresponds to the European standard EN 15194-1 (if this speed is exceeded, the electric motor switches off and on as soon as the speed falls below this limit). Furthermore, the bike is equipped with a battery, which can be placed in the frame or on the rear carrier. The most important parameter of the battery is voltage and capacity. The higher the value, the greater is the range of the e-bike. Currently, the most commonly used batteries are lithium ion (Li-ion). The advantage of these batteries is mainly in low weight and long life. It is important to keep the battery charged regularly to extend its lifetime. Communication between the individual electrical components is provided by the control unit, which evaluates the data from the individual sensors, according to which it controls the power of the electric motor. The electric motor is operated by the control panel, on which you will find information about the battery status, support level and remaining range. For most displays, time, speed and distance traveled are a matter of course. The motor function is activated by pedaling, which is detected by a special sensor located in the pedal center. So you still have to pedal on the e-bike, the motor only helps you. The pedal sensor is responsible for informing the control unit whether the rider has started or stopped pedaling and informs about the pedaling frequency. This function is provided by either a magnetic pass sensor or a torque sensor. The magnetic pass sensor is a basic sensor that works on the magnetic principle. This sensor, which is installed on the center axis, controls the pedaling frequency. Activation of the sensor by pedaling back is impossible due to the phasing of the magnets. Torque sensors are used on more expensive sports e-bikes. Unlike magnetic sensors, they provide information about both the pedaling frequency and the force applied on the pedal. The torque sensor is ideal for off-road driving, where there are frequent changes in the pedaling frequency. If we need to pedal with more force, the motor will immediately help us with more power. On the contrary, when driving downhill, when there is less pressure on the pedal, the motor function is limited, thus saving battery power.

You can set the e-bike in to motion using the control button , which is located on the display controller, but only up to the maximum allowed speed, 6km/h (used for walking assistance). The electric bicycle, which complies with the European standard EN 15194-1, is considered to be an ordinary bicycle from the point of view of the Road Traffic Act. This means that you can ride cycle paths, you do not need a driver's license and the helmet is only mandatory until the age of 18. We recommend using a bicycle helmet for all users, regardless of age.

Elektrokolo komponenty



1 battery

2 motor

3 control panel (lcd display)

4 torque sensor inside the motor

5 brake levers

6 battery lock

7 brakes

8 shifter lever

9 cranks and pedals

10 wheel quick release

11 derailleur

12 tire and rim

GENERAL WARNINGS

Riding an e-bike, like other sports, can carry risk of injuries and damage. If you want to use an e-bike, you must become familiar with the rules of safe e-bike riding, proper use and maintenance of the e-bike and follow them. Regular maintenance and proper use will reduce the risk of injury and extend the lifetime of the product.

The OLI Atland, OLI Fionna, OLI Guera, ONE-OLI Guera, OLI Largo, ONE-OLI Largo e-bike models are suitable for riding on paved roads, cycle paths, gravel and forest roads, and off-road riding. E-bikes are equipped by tires with a coarser pattern to ensure sufficient grip for off-road riding. Therefore, vibrations may occur when driving on a smooth surface (asphalt, concrete ...).

The OLI Cross , ONE-OLI Cross, OLI Cross lady, ONE-OLI Cross lady e-bike models are suitable for riding on paved roads, cycle paths, gravel and forest roads.



Electric bikes are not suitable for wading, for any jumping and strikes from heights, do not use them for extreme riding in difficult terrain (downhill, enduro, obstacle rides)!

When assembling the e-bike from the box, it is necessary to remove the battery from the frame before connecting the EB-BUS connector to the display. We recommend assembling and adjusting the e-bike in a professional e-bike service.

The e-bike can be used as a classic bicycle without the assistance of an electric motor. During non-assisted driving (ie assist 0), each e-bike puts on some resistance caused by the transmission in the motor.

Before you ride for the first time, check:

- Correct e-bike size: Improperly selected wheel size can affect e-bike maneuverability.
- Saddle setting: The correct height and position of the saddle affects the comfortable ride and control of the bike.

Saddle adjustment: Correct saddle height and position affect comfortable riding and driving control. The position of the saddle on the seat post is determined by the scale on the saddle rails, there is a mark for maximum backward and forward movement to the handlebars!

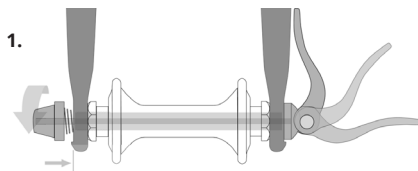
Note: groove on the seat post indicates the maximum allowed pulled out position. Never adjust the seat post above this groove! This will prevent damage of the e-bike frame or saddle tubes and possible injury.

- The correct height of the stem and handlebars.

Regular inspection:

Check the condition of your e-bike regularly before each ride. In this way, many technical problems can be avoided in time. The consequences of irregular inspections can be catastrophic in many cases. The lifetime of the frame or components is affected by the construction and material used, as well as the maintenance and intensity of use. Regular inspections of qualified professionals should be a matter of course. Lift up the e-bike to a height of 5 - 10 cm above the ground and release. By this you will make sure that everything is tightened sufficiently. Then perform a visual and touch inspection of the entire e-bike, especially the correct tightening of all bolts, nuts, pedal center, pedals, etc.

Wheels and tires: Check that the tires are properly inflated. Riding on an underinflated or overinflated tire can lead to poor e-bike control. We recommend to follow the maximum and minimum pressure values specified by the manufacturer on the tire. Check the tires for wear and proper shape. If bumps or cracks appear on the tires, you must replace the tires before use. Then check whether the wheels are correctly centered by turning them. Check if spokes are tight or are not missing. Make sure that the front and rear wheels are properly secured (Fig. 1). If it is a wheel with a Thru-Axle, make sure that the axle is fitted in the correct direction (at the front wheel).



Brakes: Check the function of the brakes. Press both brake levers and push the wheel forward. Are the brake pads in full contact with the disc without the levers touching the handlebars? If not, the brakes must be adjusted (bled). Check the brake pads for wear. Brake pads and discs are worn out during use, so it is necessary to service the brakes regularly and replace worn parts in time.

Gear shifting and chain: The chain requires regular maintenance to extend its lifetime. Before lubrication, it is advisable to clean the chain and pinions first. Lubricate the chain with the lubricant designated for the bicycle chain. The chain stretches over time. The endurance of the chain is very individual and depends on the quality of the chain, the mileage, the driving style and the terrain in which you drive. Regular replacement is necessary. The condition of the chain can be checked with a special gauge. A pulled or damaged chain can damage the gears and pinions. During shifting, the shifter cable becomes worn and stretched. The gear needs to be adjusted regularly to switch correctly. By loosening or tightening the bowden nut at the shifter lever, fine corrections can be achieved.

Forks: You can find different types of forks on Crussis e-bikes.



You should never lock the fork when off-road or jumping. The fork can be damaged when pressed under heavy load. This can also cause an accident and injury.



Also note that the fork is not intended for riding in extremely demanding terrain, for jumping, downhill, freeride or dirt jumps. Failure to do so may result in fork damage, accident, or death. Failure to observe this information will void the warranty.

Suspension fork ROCKSHOX

RockShox FS Judy Silver TK Solo Air 29"

(OLI Fiona 8.7-S / 8.7-M,
OLI Largo 8.7-S / 8.7-M,
ONE-OLI Largo 8.7-S / 8.7-M)
Stroke: 100 mm
Fork post: 1 1/8"
Suspension: Solo Air
Locking: from the fork (crown)
Axis: RU 9 mm

RockShox FS Judy Silver TK Solo Air 27,5"

(OLI Atland 8.7-S / 8.7-M, OLI Guera 8.7-S / 8.7-M,
ONE-OLI Guera 8.7-S / 8.7-M)
Stroke: 100 mm
Fork post: 1 1/8"
Suspension: Solo Air
Locking: from the fork (crown)
Axis: RU 9 mm

RockShox FS Paragon Gold RL Solo Air 700c

(OLI Cross 8.7-S / 8.7-M, ONE-OLI Cross 8.7-S / 8.7-M, OLI Cross lady 8.7-S / 8.7-M, ONE-OLI Cross lady 8.7-S / 8.7-M)

Stroke: 65 mm

Fork post: 1 1/8"

Suspension: Air Solo Air

Locking: from handlebars (OneLoc Remote)

Axis: RU 9 mm



IMPORTANT SAFETY INFORMATION

1. It is very important to have the RockShox suspension fork installed correctly by a qualified bicycle mechanic. Improperly installed forks are extremely dangerous and can cause serious or fatal injuries.

2. The fork on your bike is designed for use by a single rider on mountain roads and similar terrain conditions. **It is not advisable to drive off-road when the fork is locked.**

3. Before driving, make sure that the brakes are properly installed and adjusted. Use the brakes carefully and familiarize yourself with their properties and braking performance in non emergency conditions. Hard braking or improper use of the front brake can cause you to fall. If the brakes are not properly adjusted or improperly installed, the rider can be seriously or fatally injured.

4. The fork may malfunction under certain circumstances. For instance if oil is lost, components or parts of the fork are bent or cracked. The fault in the fork may not be visible. Do not ride a bicycle if you notice bent or broken fork parts, oil loss, sounds due to excessive suspension, or other indications of a possible fork defect, such as loss of shock absorbing properties. Take your bike to a qualified dealer for inspection and repair. Damage to the fork may result in wheel damage or personal injury. Suspension forks and rear shock absorbers contain highly pressurized liquids and gases. The warnings in this manual must be followed to prevent injury or death. Never try to open the cartridge or the rear silencer, they are under a lot of pressure, as mentioned above. If you try to open the cartridge or the rear absorber, you risk serious injuries.

5. **Always use genuine RockShox parts. The use of non-original spare parts will void the warranty and may cause a structural defect in the fork. A structural failure can cause you to lose control of your bicycle with possible serious or fatal injuries.**

6. If you use a bike carrier on a car, the instructions for use of the bike carrier must be followed during any handling. If you are carrying the bike in a carrier on or behind the car in bad weather, you need to protect the bike from water with a suitable cover. Because when driving in the rain, e-bike is exposed to pressure of the water and it is equal to a pressure washing, which can seriously damage the bike.

7. The fork is designed to secure the front wheel with a quick release or thru-Axle. Make sure you understand which shaft your wheel has and how to handle it properly. Do not use a screw on the shaft. An incorrectly mounted wheel can allow the wheel to move or release, this can cause the damage to the bicycle and serious injury or death to the rider.

8. Follow all instructions in the user manual regarding care and maintenance of this product.

INSPECTION AND MAINTENANCE

Before each ride

If you find any cracks, dents, abrasions, deformations, or oil leaks on the fork or other components, contact a qualified mechanic to inspect the fork or e-bike.

Check air pressure. Load the fork with all your weight. If you find it soft, pump the fork to the required hardness. (For more information, see the section „Setting the air pressure“).

Check the wheel mounting and cable and bowdens routing - they must not restrict the movement of the handlebars.

After each ride

Clean all dirt. Do not use high-pressure cleaners - water may flow through the dusters into the fork. Lubricate the dust seals and fork legs. Do not use other oil than designed for forks lubrication. Consult your dealer for the use of a suitable oil.

Every 25 hours of drive

Oil inspection.

Check the correct tightening torque of the fork holders and other components.

Cleaning and lubrication of the outer cable and bowden cable.

Every 50 hours of drive

Removal of shock absorbers, cleaning / checking inserts and changing oil (if necessary).

Cleaning and lubrication of the air damper mounting kit.

Every 100 hours of drive

Complete cleaning of the fork inside and out, cleaning and lubrication of dust caps and cleaning rings, oil change in the damping system, tightening control and adjustment to the driver's preferences.

Prior to disassembly, check the fork clearance by braking the front wheel and gently pushing the stem forwards and backwards. If there is clearance in the fork, contact a qualified mechanic.

AIR PRESSURE ADJUSTMENT

1. Unscrew the valve cap. Screw the pump inflator onto the valve.

2. Pump the fork to the required pressure. Never exceed the maximum permissible pressure from the manufacturer. The recommended pressure and maximum pressure can be found in the table below or on the **fork leg**.





Use only pumps designed to inflate forks and shock absorbers to inflate RockShox forks. Using an unsuitable inflator can damage the fork! The fork must be unlocked when inflating, otherwise there is a risk of damage! Note that all Rock Shox forks are subject to normal wear and tear and that their durability and proper functioning are very individual and depend on the mileage, driving style, terrain and environment in which you ride. We do not recommend using oils containing Teflon on a fork with plastic bushings, there is a risk of etching the bushing.

Frame: *Do not use a bent or cracked frame. You must never repair or straighten the frame under any circumstances. Consult your Crussis e-bike dealer for frame damage. Crussis frames have a mounting place for bottle holder. We recommend using side bottle holder (to remove the bottle to the side) to avoid breaking the screws.*

E-bike load: *The e-bike load stated in the specifications of the individual models is the sum of the rider's weight and the weight of the bike and the weight of all currently attached accessories (carrier, fenders, child seat, bags) and cargo!*



Always keep all components clean.

If you wash the e-bike with water (do not use high-pressure cleaners to clean the e-bike or its parts) - always remove the battery from the e-bike before washing. Dry the e-bike before returning the battery. We recommend drying the e-bike after each ride, especially all electrical components. In winter, pay special attention to the maintenance of the e-bike, always clean the components from salt and moisture after riding. Perform maintenance at regular intervals. Information on the recommended tire pressure can be found directly on the side of the tire!

This manual is universal for all OLI SPORT drive systems

System: **OLI SPORT**

Maximum torque: 83 Nm

Power: 250 W

Weight: 3,5 kg

Durability: IP54

Pedal sensor: Torque and speed



ELECTRIC BIKE SYSTEM

The motor is activated by means of a torque (pressure, force) sensor integrated in the central axis. The torque sensor evaluates the frequency and force of pedaling, and transmits it to the control unit, which dispenses motor power according to the force you pedal. The e-bike motor is switched on after approx. one turn of the pedal cranks. It switches off again after 1-2 sec. when you stop pedaling. The engine switches off when a speed of 25 km/h is reached and reactivates when the travel speed falls below this limit. This complies with all European standards and is still a bicycle. The e-bike is equipped with an LCD panel that controls the electric drive. It is possible to select different assistance modes 0 - 5 on the display (controller). The highest assistance mode 5, assistance mode 0 is without the help of an electric motor. The LCD panel also includes a „walk assistant“ function. In this mode, the bike is moving at a speed of approx. 6 km/h without pedal assistance. Walk assistant assists in pushing or starting. The function is not intended for permanent driving.

Optional driving programs:

The number of assist level can be selected in the display settings menu. 100% of the motor power can be divided into 3, 5 or 9 stages. The default setting is 5 levels of assistance.

- 0** without motor assistance (display records mileage data)
- 1-2** low motor assistance
- 3** medium motor assistance
- 4-5** high motor assistance

Motor assistance modes are graduated, i.e. level 1 (lowest assistance) - level 5 (highest assistance) helps up to 25 km/h. The torque sensor transmits information about the pedaling force.



The more you pedal, the more the electric motor helps. Walk assistant: the bike rides alone at a speed of approx. 6 km/h and helps with starting or pushing. This function is not intended for continuous driving! The speed of the walking assistant depends on the gear (larger pinion lower speed - smaller pinion higher speed).

BATTERY INFORMATION

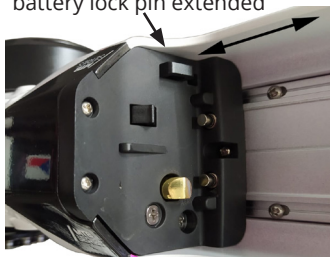
Currently, the most commonly used batteries are lithium ion (Li-ion). The advantage of these batteries is mainly in low weight and long life. Li-ion batteries have a very low self-discharge. From the first charge, it is necessary to keep the battery in its working cycle (discharging / charging), even when the battery is not used, it discharges spontaneously, which is natural. We recommend recharging the battery regularly, even if the e-bike is not used, about once a month and storing it charged at 60-80% capacity. Failure to do so may damage the battery, which may result in a shorter range or, in the worst case, in a complete malfunction. Regular recharging extends battery life. We recommend that you fully charge the battery before using it for the first time. As batteries do not have a memory effect, they can be recharged at any time. It will reach its maximum capacity after approx. 5-10 charges. Always keep the battery charged and recharge it after each ride and not right before the next ride. Li-Ion batteries are 100% recyclable. You can return the battery to any collection point or directly to your dealer. The battery is charged using the included charger 230 / 240V, charging time is about 5 - 9 hours depending on battery capacity and discharge status). When charging, the battery can remain on the e-bike or it can be removed. To remove the battery, turn the key and then remove the battery.

Always switch off the e-bike system before charging the battery! Store the battery in a dry place at room temperature out of direct sunlight. Never expose the battery to temperatures below 10 ° C for extended periods of time, and vice versa to extremely high temperatures above 40 ° C. The battery is the most expensive part of the e-bike. Pay special attention to its storage, handling and recharging. Never immerse the battery in water (any liquids), store it in a humid environment or disassemble it. Before each ride, please make sure that the battery is properly placed and locked. There are several types of batteries available with Crussis e-bikes. To unlock the battery, turn the key to the left and release it by pressing the button (if the frame has one), lock it by turning it to the right, or unlock the battery by turning the key to the right, lock it by snapping the battery into the frame. Some models may also be equipped with a lock pin, see figure below, the lock pin must be pressed down, towards the motor to release the battery.



Frame battery - fully integrated

battery lock pin extended



button of the battery lock pin



battery indicator and the power button

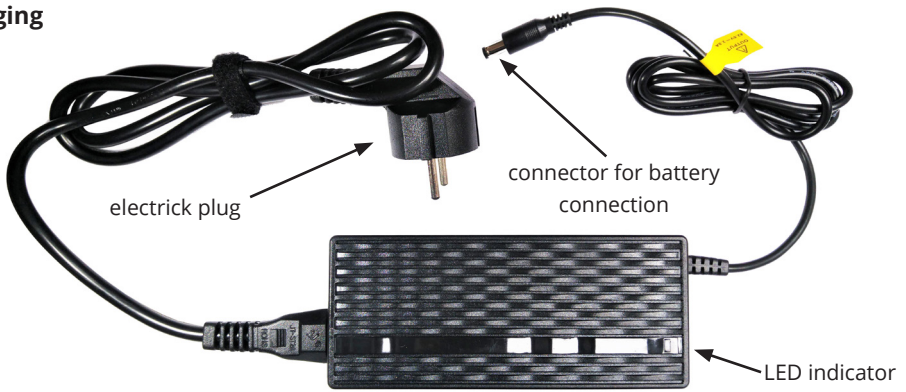


Press and hold the power button to turn the battery on or off (approx. 2 seconds). Press to view battery capacity information. If the LED is blue, the battery capacity is 100 - 75%, if the LED is green, the battery is 75-50% charged, if the LED is red, the battery capacity is less than 50%. The battery charge status display on the control panel is for reference only. If the motor stops running smoothly and runs intermittently, the battery capacity is too low. In this case, it is necessary to switch off the electric drive system. Continue driving without engine assistance and charge the battery. When the battery charge drops by around 25%, engine power drops to first assistant level. This saves the battery power.



If the battery overheats, it will turn off automatically. The battery is protected by a temperature sensor. Once the battery has cooled to operating temperature, it is possible to continue driving. Battery warm-up is a common operation. If you leave the e-bike in a public place, we recommend locking the battery with a key. We recommend separating the battery keys, Do not carry all keys in one bundle in case of loss.

Charging



Connect the charger to the battery and then plug the electrical plug into the electrical socket. Once the charger is connected to the electrical socket, the red LED on the charger lights up to indicate that the charging process has started. Charging stops automatically when the battery is fully charged. The charge status is indicated by a green LED. First disconnect the charger from the electrical socket, then from the battery. The battery charging time to 100% takes 5 - 9 hours (depending on the state of discharge). Interrupting the charging process does not damage the battery. The battery is a Li-ion type and its nominal voltage is 36V, it charges 42V, fully charged it reaches 42V, which can be measured about a second after disconnecting the charger. After that, it immediately drops to 41V and below. This is a standard behaviour of the battery.

Charge the battery at room temperature (approx. 20 ° C). Always keep a charged battery (e-bike) under charge when charging.

Charging the battery in temperatures below 10 ° C and above 40 ° C can cause serious damage to the battery. Use only the charger that came with your e-bike to charge the battery.



The battery is sensitive to precise charging, using another charger may damage the battery or other parts of the e-bike.

In the event of damage to the charger or power cord, never connect to the electrical socket.

Always switch off the battery and the e-bike system before charging!

FACTORS AFFECTING THE RANGE OF THE ELECTRIC BIKE

The range of the e-bike cannot be precisely determined because it is influenced by many factors.

- 1. Route profile and surface:** the range is higher in flat terrain, than when driving on long steep climbs and worse surfaces.
- 2. Weight of driver and load:** higher weight of driver and load means higher energy consumption.
- 3. Inflation and tread pattern:** it is important to inflate the tires correctly. Riding underinflated tires reduces the range of the e-bike.
- 4. Battery status:** A fully charged new battery has a longer range than a battery that has been charged and discharged many times. The range is also affected by the battery capacity. Higher capacity = higher range. The maximum battery capacity is reached after 5-10 charges.
- 5. Assistance mode:** higher motor assistance means lower range.
- 6. Driving style and smoothness:** if you pedal a lot, the engine consumes less energy. The smoothness of the ride also has an effect, as frequent starting reduces the range.
- 7. Weather conditions:** the ideal temperature is around 20 ° C and no wind. If the temperature is lower and a strong headwind blows, the range decreases.

ELECTRIC BIKE CONTROL (COLOR LCD DISPLAY)

OLI control panel with high contrast LCD display. It provides all important information, which it easily displays even in direct sunlight. The handlebar controls provide good feedback and ease of use. The user interface is clearly readable and intuitive. The control panel and display are protected against ingress of water and dirt. It complies with protection class IP 65. The system must be switched on when the e-bike is stationary (if the e-bike is not moving). If the system is switched on while riding, the assistance may not work. The assistance is then switched on when the e-bike is stopped and start move again.



Model: OLI

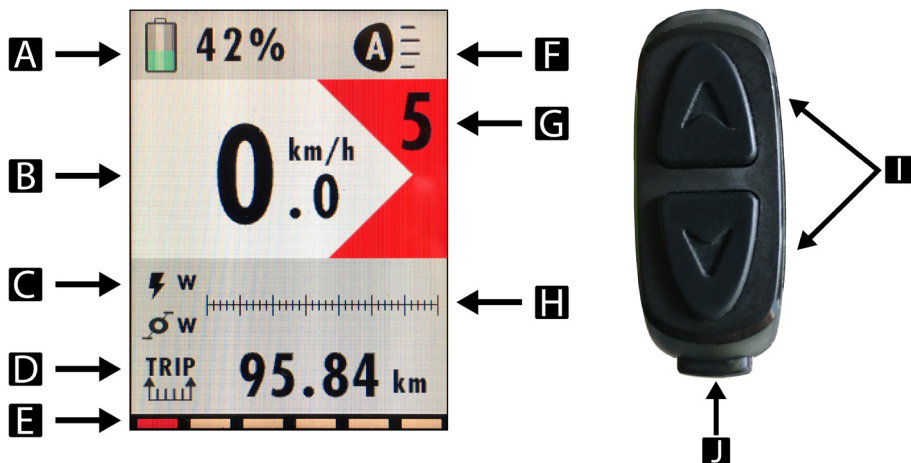
Specifications

Display type:	LCD, active area 2"
Weight:	114 g
Dimensions:	76x50x76 mm
Handlebar holder Ø:	22.2 / 25.4 / 31.8 mm
Rated voltage:	12V
Operating temperature:	-20 ° C - + 60 ° C
Protection class :	IP 66



Do not expose the LCD display to long term sunlight when the e-bike is not in use.

If you do not use the e-bike for a long time, the clock may be reset. The time will then need to be set.



- A)** Battery level.
- B)** Current speed.
- C)** Wattmeter, pedaling power.
- D)** Mode selection.
- E)** Colours shows which assistant level is in use.
- F)** Display backlight.
- G)** Currently selected pedal assistant level. The higher the help, the more the motor helps.
- H)** Current assistance scale of the motor.
- I)** Arrow buttons . They allow you to scroll up and down in the menu.
- J)** Mode button . A short press allows you to select the mode selection. This button is used as a confirmation button in the display menu also.

OPERATION

System turn on / turn off

Turn on the battery. This will turn on the entire e-bike system.

Turn off the battery will shut down the entire system.

Pedal assist level selection

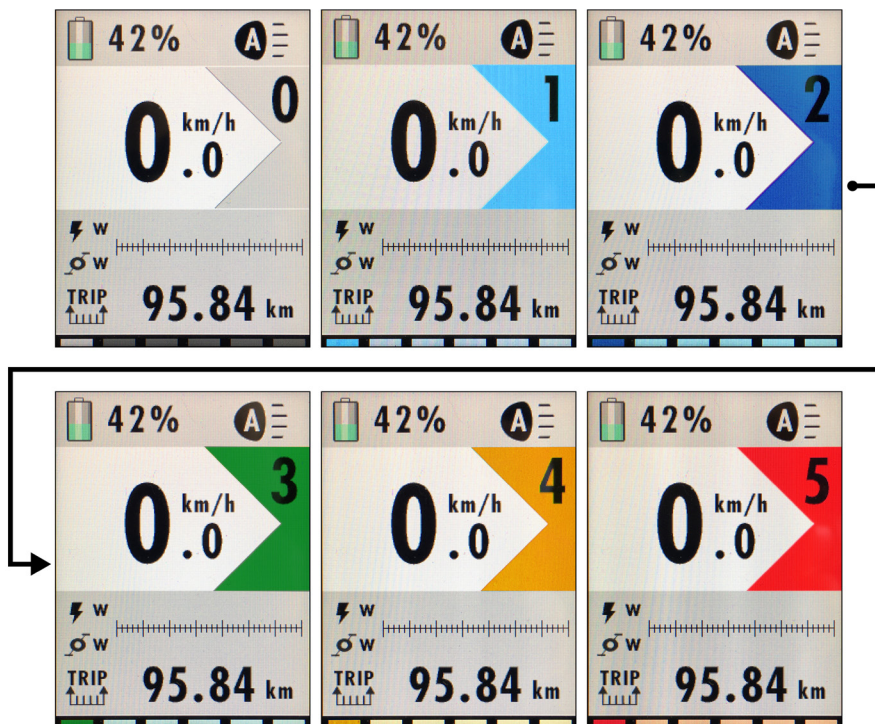
On the display controller, briefly press the  or  buttons and set the desired pedal assist level.

The lowest level is **0**, the highest level **5**. Level **0** is the motorless mode. The default setting after turning on the entire system is level **3**. (Default settings may change with current firmware.)

Pedal assistance level color mod

The individual assistance levels are also divided in color on the display for better orientation. **0** is gray, **1** is light blue, 2 is dark blue, **3** is green, **4** is yellow-orange and **5** is red.

(Colour scheme may change with current firmware.)




Switching between modes

You can switch between the following modes by briefly pressing the **M** button in following sequence: distance traveled (TRIP) → time of the distance traveled → Current performance of the cyclist → calories → motor help in watts → General overview including ODO total mileage (cannot be deleted)



Walking assistant mode

Pedal assistant 1-5 must be selected otherwise the walking assistant will not work. If 0 is selected, walk mode will be displayed but the motor will not start. Press and hold the **▼** button to start walking assistant mode, this symbol  will appear on the display.

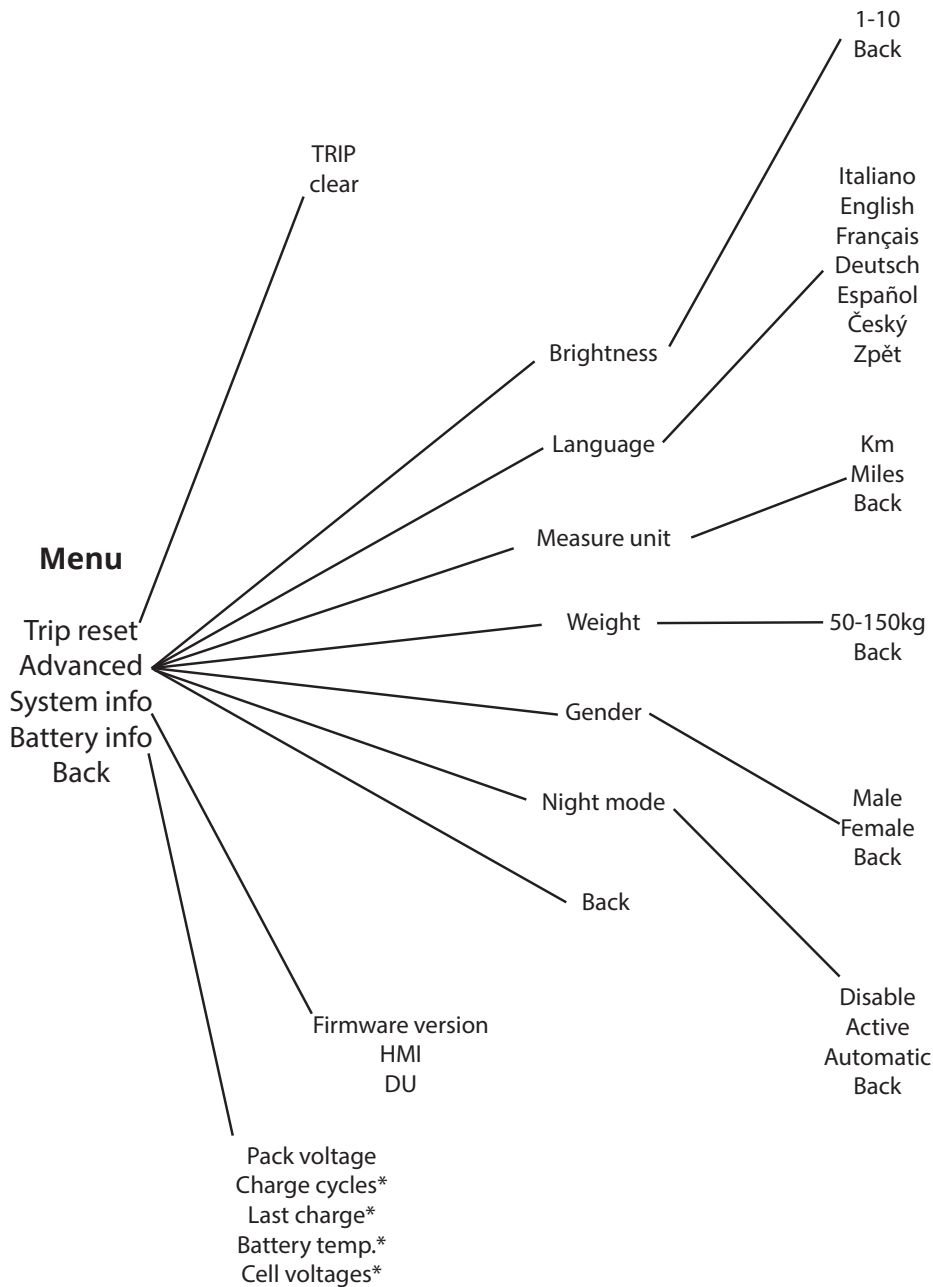
Release the **▼** button to exit the mode. You can choose the speed at which the e-bike rides when pushing it by selecting the gear ratio with the shifter lever.

Access to the SETTINGS

After switching on the entire system, select assistance level **0**. To prevent accidental activation of the walking mode, press and hold the **▼▲** buttons at the same time until the settings MENU is displayed.

The settings contains 4 basic menus, which divides into other menus, see the display diagram on the next page. Use the buttons **▼▲** to move through the menu and press **M** to select the desired option. To return to the individual submenus, scroll to text back and press the button **M**.

To return to the basic display interface (as if you had just turned on the bike), press and hold the **M** button from anywhere in the menu.




*This function is not supported.

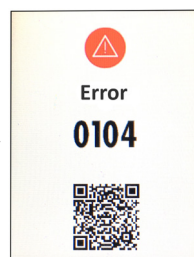
Error messages

Error	Description of a fault	Solution
1101	Communication problem between display and motor	Let the connectors between the display and the control unit checked
0811	High voltage protection	Please contact your retailer
0810	The signal from the current sensor is abnormal	Please contact your retailer
0809	The battery voltage is above the maximum allowed.	Please contact your retailer
0808	Motor blocked (Mechanical or cabling problem)	Please contact your retailer
0806	Bus error	Please contact your retailer
0805	Motor overheating	Let the motor to cool down, if the problem persists please contact your retailer
0804	Control unit overheating	Let the motor to cool down, if the problem persists please contact your retailer
0802	Pedal rotation sensor error	Please contact your retailer
0801	Hall sensor error	Please contact your retailer
0106	Torque sensor error *	Please contact your retailer
0105	Torque sensor error *	Please contact your retailer
0104	Speed sensor error	Check the magnet position If the problem persists, please contact your retailer
0001	Battery communication error	Please contact your retailer

* Error 0106 is a signal error and 0105 is an intermittent signal error. In both cases, the torque sensor must be replaced.

Example : Error 0104

This message appears on the display.  You will find in the table that this is a speed sensor error. Check the position of the magnet and, if it is outside the sensor, adjust its position. The error message does not disappear from the display until you switch the e-bike off and on again. The QR code below the error message contains a link to the motor manufacturer's website. You can find the error there.



PROBLEM SOLVING



If the e-bike does not work, first check if you can solve the problem yourself. Never interfere with the motor, battery and electrical connection. In this case visit a service center.

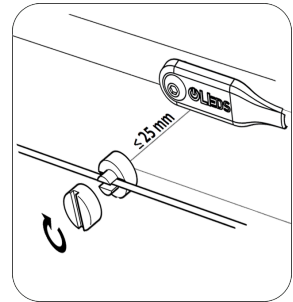
1. If the e-bike range is low although the battery is fully charged

The range of the e-bike is affected by many factors, such as battery capacity, motor used, route profile, level of assistance used, weight of the rider and his load, rider's condition, riding style and smoothness, tire inflation and weather conditions.

If the e-bike range is short-term, have the battery capacity measured.

2. The motor does not respond even when the system is turned on

Check the magnet position, see pic. Check the cable connectors of the display. If the error persists, visit a service center.



The magnet on the spoke must be placed exactly opposite the speed sensor between the 4 marked points. As on this picture.

The position of the magnet can be easily adjusted, the magnet has a groove for a screwdriver. It is released counterclockwise. After loosening, the magnet can be moved along the spoke. After reaching the correct position, tighten it again with a screwdriver clockwise. Sometimes there is a hole for a torx key instead of a groove on the screw.

3. The e-bike cannot be turned on using the display controller

Turn on the battery with the battery button.

Check the display cable connectors.

If the error persists, visit a service center.

4. The charger does not charge the battery

Verify that the charger is properly connected to the power socket.

Check the cables if there is no damage. If so, it must be replaced.

MAINTENANCE AND STORAGE



Never immerse the battery, charger or other electrical components in water (any liquids). Store the battery and e-bike in a well-ventilated and dry place, out of direct sunlight and other heat sources. Optimal temperature for storing e-bikes, especially batteries is 20 ° C.

Perform e-bike maintenance at regular intervals to ensure long product life. Always keep all components clean. If you wash the bike with water, always remove the battery from the e-bike before washing. We recommend drying the bike after each ride, especially all electrical components. If you use the e-bike in the winter, always clean the battery contacts from salt and moisture after riding. Before driving, always check that all bolts, nuts and pedal center are properly tightened. Also check brake function and tire pressure.



Do not dispose of the battery yourself. There is a risk of fire, explosion, electric shock and toxic substances may be released.

Do not store the battery in temperatures below 10 ° C and in extremely high temperatures above 40 ° C.

Do not transport the e-bike on a car carrier in heavy rain, higher speeds result in higher water pressure. We recommend using a bicycle transport case.

Bright colors incline more to fading. We recommend that you do not expose the e-bike to long-term sunlight, as the color may change.

SAFETY WARNING

Failure to observe the safety instructions may result in damage to you or another person, your property or the property of others.

Always follow the safety warnings to avoid the risk of fire, electric shock, and injury.

Read the operating instructions for the e-bike carefully before using the product.

Always make sure that connections are not loose or damaged before driving. Check brake function and tire pressure.

In the event of damage to electronic components, seek professional service.

Neither the manufacturer nor the importer shall be liable for incidental or consequential damages or for damages arising directly or indirectly from the use of this product.

The following statement: A-weighted emission sound pressure level-A to the driver's ears is less than 70 db (A).

NOTICE!



Information on disposal of electrical and electronic equipment. The symbol on the product or in the accompanying documentation means that used electrical and electronic products must not be disposed of with your other household waste. In order to dispose of the product properly, please return the product to attended collection points, where it will be accepted free of

charge. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. Penalties may be applicable for incorrect disposal of this waste in accordance with national regulations.

E-bike warranty

Warranty inspection

We recommend performing a warranty inspection after driving approx. 100 - 150 km, no later than 3 months after purchasing the e-bike. During the warranty service, the entire e-bike is inspected: brake adjustment, gears, wheel centering, bolt tightening and electrical system inspection. The warranty inspection will be performed at the dealer from whom you purchased the e-bike. The seller will confirm the execution of the warranty service in the warranty card. Failure to perform a warranty inspection may result in permanent damage to the e-bike. In this case, the warranty may not be recognized.

Complaint procedure

Always make a complaint about the e-bike or its parts at the dealer where you purchased the e-bike. When making a claim, submit proof of purchase, warranty card with completed serial numbers of the frame and battery, confirmed warranty inspection, and also state the reason for the claim and a description of the defect.

Warranty conditions

24 months for frame and components of the e-bike - applies to manufacturing, hidden and accidental material defects outside of normal wear in use.

6 months for battery life - the nominal capacity of the battery does not fall below 70% of its total capacity within 6 months from the sale of the e-bike.

The warranty period is extended by the time the product has been under warranty repair.

The warranty only applies to the first owner.

The e-bike must be properly stored and maintained according to the enclosed manual. The product may only be used for the purpose for which it was manufactured.

Please charge the battery at regular intervals and store it under normal and usual conditions, as stated in the enclosed manual.

The warranty expires

At the end of the warranty period. If the product is damaged through the user's own fault (accident, improper handling or interference with the e-bike, improper storage or use) or normal wear and tear during use (wear of brake pads / blocks, chain, cassette / freewheel, tires, forks, etc.)

EU PROHLÁŠENÍ O SHODĚ

EU DECLARATION OF CONFORMITY - č. 4

Souhrnné ujištění o vydání EU prohlášení o shodě dle požadavku směrnice 2006/42/ES

a) **Identifikační údaje o osobě pověřené sestavením technické dokumentace:**

Obchodní firma: CRUSSIS electrobikes s.r.o

Sídlo: K Březince 227/18, 182 00 Praha 8 - Březiněves

IČO: 248 19 671

b) **Popis elektrického zařízení:**

Název: Elektrokola, velikost rámu: 15"/17"/18"/19"/20"/22"

Modely: OLI Guera, ONE-OLI Guera, OLI Atland, OLI Fionna, OLI Largo, ONE-OLI Largo, OLI Cross, ONE-OLI Cross, OLI Cross lady, ONE-OLI Cross lady s motory OLI

Určeno k následujícímu použití: Elektrokolo je určeno k rekreačním účelům pro spotřebitelské využití.

c) **Odkaz na harmonizované normy:** EN 15194:2017(E), EN 55014-1: ED. 3, EN 55014-2: ED.2
EN 61000-6-3: ED.2, EN 61000-3-2: ED.4, EN 61000-3-3: ED.3, EN ISO 4210-2, EN 62321

d) **Odkaz na specifikace a právní předpisy:**

Zákon č. 90/2016 Sb. o posuzování shody stanovených výrobků při jejich dodávání na trh v platném znění.

Nařízení vlády č. 118/2016 Sb., o posuzování shody elektrických zařízení určených pro používání v určitých mezích napětí při jejich dodávání na trh (Směrnice 2014/35/EU).

Nařízení vlády č. 117/2016 Sb., o posuzování shody výrobků z hlediska elektromagnetické kompatibility při jejich dodávání na trh (Směrnice 2014/30/EU).

Nařízení vlády č. 176/2008 Sb. o technických požadavcích na strojní zařízení v platném znění (Směrnice 2006/42/ES).

Zákon č. 22/1997 Sb. o technických požadavcích na výrobky v platném znění

Nařízení vlády č. 481/2012 Sb. o omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních (Směrnice 2011/65/EU).

Výše uvedené strojní zařízení splňuje veškerá příslušná ustanovení směrnice 2006/42/ES včetně dalších výše specifikovaných evropských směrnic.

Dvoičísli roku, v němž byl stanovený výrobek opatřen označením CE: 20

Doplňující informace:

Shoda posouzena na základě certifikátu vydaného Strojírenským zkušebním ústavem, Hudcova 424/56b, Brno (COCP č. 3040). Podkladem pro vydání certifikátu je příslušný závěrečný protokol vydaný totožným zkušebním místem. Dále pak shoda posouzena dle výrobní a technické dokumentace. Výše popsaný předmět EU prohlášení o shodě je ve shodě s výše uvedenými nařízeními vlády včetně nařízení vlády č. 481/2012 Sb. o omezení používání některých nebezpečných látek v elektrických a elektronických zařízeních. Toto EU prohlášení o shodě vydal na vlastní odpovědnost výrobce – zplnomocněný zástupce – osoba pověřená sestavením technické dokumentace. Na jednotlivé modely elektrokol je v sídle společnosti uložena podrobná technická dokumentace včetně originálů EU prohlášení o shodě.

Výše uvedený předmět EU prohlášení o shodě je ve shodě s příslušnými harmonizačními předpisy společnosti.

V Praze dne: 18.8. 2021

Petr Výkruta
Jednatel společnosti



Comment

Service records

DONE:

DAY:

STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

Service records

DONE:

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STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

DONE:

DAY:

STAMP AND SIGNATURE:

Warranty card

Crussis electrobikes s.r.o., K Březince 227, 182 00 Praha 8

E-bike model:

Customer name:

Frame serial number:

Customer address:

Battery serial number:

DATE OF SALE:

SELLER'S STAMP AND SIGNATURE

WARRANTY INSPECTION:

We recommend observing the warranty service after the first 100 - 150 km,
no later than 3 months from the purchase of the e-bike.

GUARANTEE INSPECTION DATE

SELLER

CRUSSIS

**We wish you a lot of
pleasant and safe
kilometers on your new
e-bike!**

Your CRUSSIS team

**CRUSSIS electrobikes s.r.o.
K Březince 227, 182 00 Praha 8
IČO: 24819671**

www.crussis.cz