

*Instrukcja Obsługi/ User Guide*



***S-ROAD C***

***SPEED BIKE***

***geobike***  
rowery elektryczne

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## Introduction

*Dear Customer,*

*Congratulations on your purchase of this G-Bike S-Road.*

*This guide is to introduce the electric bicycle to you. We therefore strongly recommend that you read this manual very carefully. This will allow you to enjoy your Geobike as long as possible.*

*This Manual provides basic tips about the Geobike with assistance, operation and maintenance.*

*If after reading this manual you have any questions and/or comments, please contact the local bicycle shop from where you purchased your Geobike.*

*The G-Bike S-Road is a speed bike, which can achieve 45 km/h speed with electric support. Riding on this type of bike requires particularly careful.*

*The G-Bike S-road has EU type-approval provided that additional equipment is installed:*

- rear-view mirror (on the left side of the handlebar)*
- front and back light (depending on option)*
- mudguards and trunk*

*Rider using a speed bike is obliged to ride in a helmet and use lightning for 12 months in a year also during the day.*

*We hope that you enjoy many miles of cycling on your new Geobike.*

*Geobike*

## Specification

### Description of bike components

1. Lithium-ion battery.
2. Handlebar with integrated displayer KING METER Just One.
3. Seatpost lockout.
4. Saddle with integrated LED light
5. Rear rack with integrated STOP light and space for registration plate
6. Rear wheel.
7. Front wheel.
8. Crankset
9. Bafang 500 W motor integrated with rear hub.
10. Shimano DEORE 10 speed rear derailleur.
11. front hydraulic disc brake.
12. rear hydraulic disc brake.
13. Front fork/ rigid or suspension fork depending on bike version.
14. Front light, horn
15. Rear mirror
16. Mudguard front
17. Mudguard rear



*\* This is an illustrative photo. GEOBIKE can change the set and location of bicycle equipment details according to own design.*

## Technical data

<b>Model</b>	<b>S-ROAD</b>
<b>Type</b>	<b>speed bike</b>
<b>General</b>	
<b>Unladen weight as follows if equipped</b>	<b>23 kg</b>
<b>Allowable total weight</b>	<b>max. 127 kg</b>
<b>Allowable load for carrier</b>	<b>max. 25 kg</b>
<b>Maximum speed</b>	<b>45 km/h</b>
<b>Bike structure</b>	
<b>Frame</b>	<b>alloy smooth welding 21"</b>
<b>Suspension</b>	<b>Front suspension fork RST Blaze</b>
<b>Tires (front &amp; rear)</b>	<b>Schwalbe ENERGIZER+</b>
<b>Rims (front &amp; rear)</b>	<b>Alexrims</b>
<b>Front brake</b>	<b>hydraulic disc brake (180 mm)</b>
<b>Rear brake</b>	<b>hydraulic disc brake (180 mm)</b>
<b>Drive system</b>	
<b>Cassete</b>	<b>SHIMANO</b>
<b>Chain</b>	<b>KMC</b>
<b>Pedal drive</b>	<b>VELO</b>
<b>Shifting system</b>	<b>rear SHIMANO DEORE 10 speed</b>
<b>Electric system</b>	
<b>Lighting</b>	<b>Spanninga</b>
<b>Display</b>	<b>King-Meter Just One integrated with handle bar</b>
<b>Operation</b>	<b>5 modes with speed limit (max speed 45 km/h), push mode (6 km/h)</b>
<b>Motor</b>	<b>Bafang 500 W in rear hub</b>
<b>Rated voltage</b>	<b>48 Volt</b>
<b>Rated power</b>	<b>500 W</b>
<b>Power transmission</b>	<b>from the rear hub</b>
<b>Battery</b>	<b>Samsung Lithium-Ion, mounted in the frame</b>
<b>Voltage</b>	<b>48 Volt</b>
<b>Peak current</b>	<b>16 A</b>
<b>Rated capacity</b>	<b>13 Ah</b>
<b>Weight</b>	<b>2,5 - 3 kg</b>
<b>Range</b>	<b>80 - 120 km</b>
<b>Recommended tire pressure</b>	<b>4 bar</b>
<b>Charging time</b>	<b>about 4-6 hours</b>

## Top 10 TIPS for your GEOBIKE

To optimize your Geobike experience and to achieve the maximum range of an electric bike, we recommend that you follow these tips:

1. Make sure that the battery is fully charged before use for the first time. The battery will retain its best capacity once it has been completely charged and discharged several times. This is known as battery conditioning.
2. The Lithium battery has a long life. The battery does not have to be fully charged in order to run the bicycle. Using the battery partially charged will not affect the life of the battery.
3. The range of the Geobike can vary through many factors. The tires must be correctly inflated. When you do not have correctly inflated tires, it can significantly affect the range.
4. If the brakes are correctly adjusted since this can prevent unwanted resistance. Unwanted resistance will lower the range. The ability for the wheels to rotate freely is therefore critical to maximizing the range.
5. G-BIKE S-Road has 5 levels of power assistance. How these levels are selected has a great influence on the range. If you need to use the highest level of power assistance, the achievable range will be considerably lower than using a lower level of power assistance.
6. When you pull away from a standing start, select a low gear. This allows you to safely pull away and also saves energy in your battery.
7. Always ensure that the bicycle is powered off (the switch on the rear rack is off) BEFORE inserting or removing the battery.
8. Please use the proper battery charger. Please don't use the charger which does not match with the battery.
9. When you are charging the battery, please ensure that the Geobike is powered off.
10. Although the Geobike is water resistant, please do not use high pressure hoses on the bike as this will cause permanent damage to it. Excessive heavy rain may also give the same result.

## Riding on your Geobike

*Riding on your Geobike is done in the same way as riding any other bike. You can use the Shimano gear handle to decide which gear you wish to select whilst riding. To do this you just click to the selected gear and the hub will simultaneously select this gear. The Shimano DEORE 10-speed provides a high riding efficiency. Changing gear is a very smooth experience.*

*It is highly advised not to select a high gear when starting from a standing position. If the power assistance is selected this will adversely affect the range. The effect is similar to that of a car pulling away in 3rd gear. The engine must then work harder and use more fuel to get you started. This is exactly the same as with your Geobike. If you want to pull away in a high gear then more energy must be taken from your battery to get you started. driverThe optimal method is to select gear 1 or 2 with the pedal assist mode in either mode low or mode medium. When you are up to speed, choose the pedal assist mode that you require.*

### **TIP!**

*Make sure you are in a low gear when you are stationary, at a traffic light for example!*

*S-Road C is a speed bike, which can achieve 45 km/h speed with electric support. Riding on this type of bike requires particularly careful.*




## Display and function

Display King-Meter Just One



### **1. APPEARANCE**

JUST ONE'S housing material is made from PC plastic with a working temperature range of -20°C to 60°C. This material ensures good mechanical performance of the product. Controller with 3 buttons is connected to the bottom of the JUST ONE via a cable.

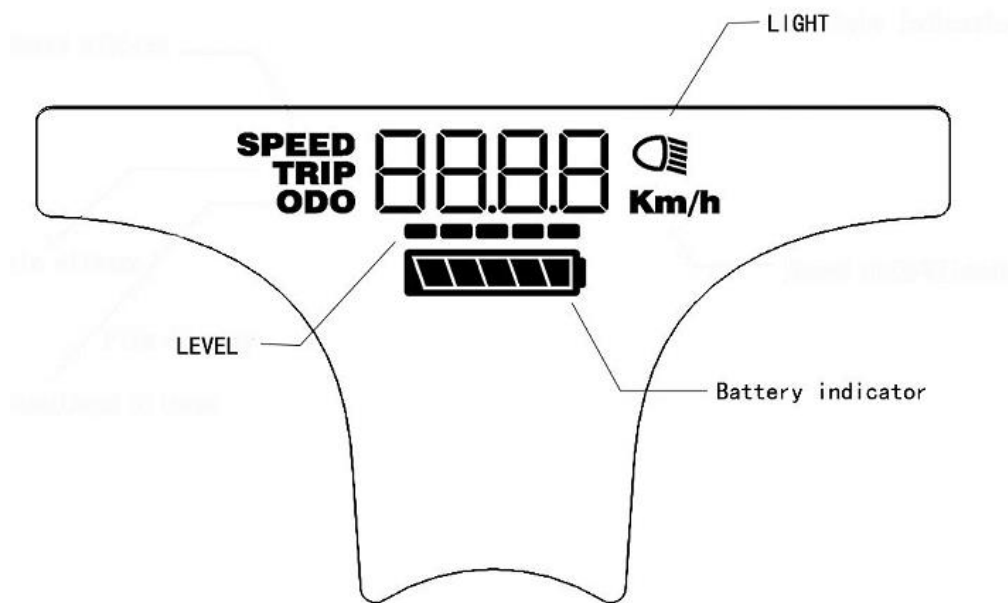
In the following introduction,  is "M",  is "UP" and  is "DOWN".

### **2. FUNCTIONS SUMMARY**

1. Battery indication
2. Speed indication (Real time, Max and Average)
3. Distance indication (Current trip and Total distance)
4. PAS level
5. Single trip distance reset
6. Headlight toggle (depending on option)
7. 6 km/h Push assistance
8. Error Codes
9. Customizable parameters such as: wheel diameter, speed limit.



### 3. DISPLAY CONTENT



JUST ONE interface

### 4. PRECAUTIONS

Take care when using the display and do not connect/disconnect it while the power is on.

Avoid striking or knocking the display



Do not remove the waterproof film attached to the display as this may impair its waterproofing.



In the case of errors or malfunctions the display should be returned to your local supplier for repairs/replacements.

### 5. OPERATION

#### 5.1. POWER ON/OFF

Press and hold “M” for several seconds to toggle the power on or off to both the display and controller. While the power is off, the display will no longer consume power with a leakage current is less than 1uA. The bike will be shut down automatically if it is left idle for 10 minutes.

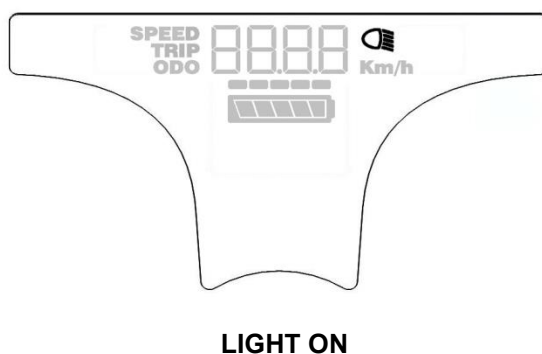
## 5.2. SELECTING SPEED MODE (Speed/Trip/ODO)

On turning on the display the default mode is current speed. Pressing “M” will cycle through the other modes in the order of: **current speed**→**Single trip**→**ODO**. If the current speed is over 0 km/h, after 2 seconds the mode will return to Current speed.



## 5.3. TOGGLE HEADLIGHT (depending on option)

Press and hold “U” for short time to toggle on/off the headlight.



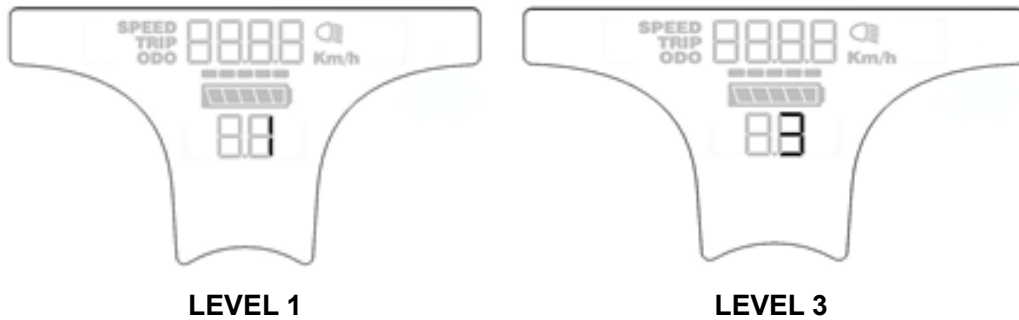
## 5.4. PUSH ASSISTANCE (6 KM/H)

Press and hold “DOWN” to enable the push assistance mode. The motor will cause the bike to travel at 6 km/h.



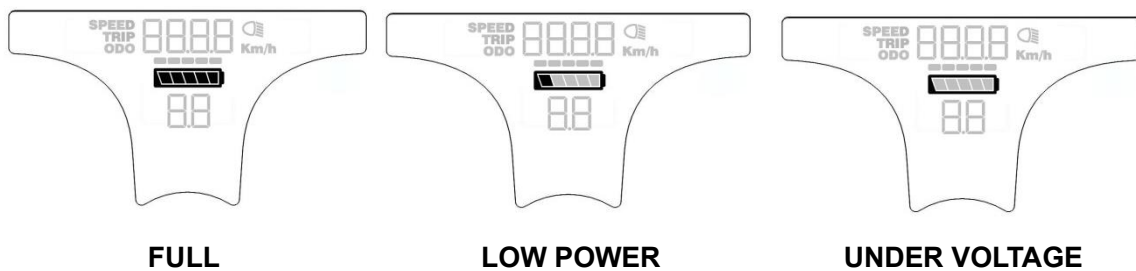
### 5.5. PASS LEVEL

Press “UP” and “DOWN” to alter the PAS level, changing the output power of the motor. The range of PAS levels is 1-5. Level 1 is being the lowest and level 5 the highest. The default level is level 1.



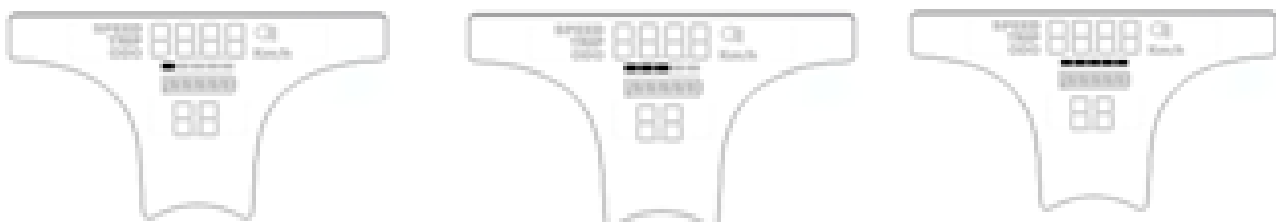
### 5.6. BATTERY INDICATION

When the battery is full, all five segments of the battery will be illuminated. When the battery is critically low, the battery will have no segments and will flash.



### 5.7. USB CHARGING

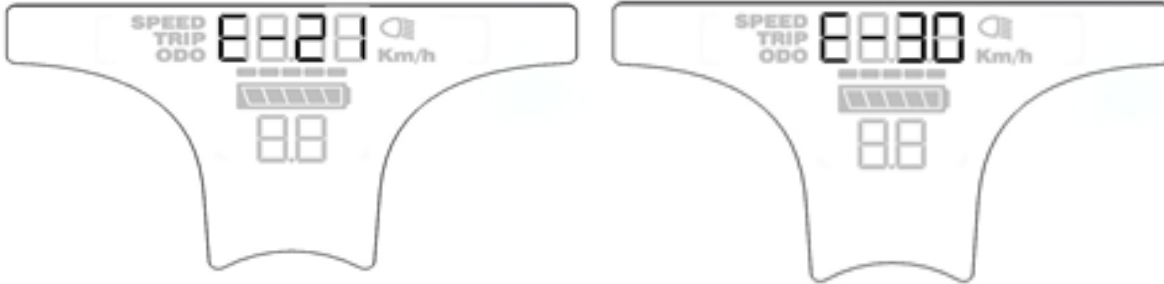
There is a **USB port** on back of the display that can be used for charging mobile phones and other electronics. The standard output voltage is 5V with a max current of 500 mA. The USB port will continue to function even when JUST ONE is powered off, so long as the battery is still connected and on. While charging the red led at the bottom of the screen will flash. While powered on press “M” and “D” to enter into charging mode. When charging is completed, this function will exit automatically.



## CHARGING INTERFACE

### 5.8. ERROR CODES

When the system encounters an error, the display would show the relevant error code. Only once the problem/s has been resolved will the display return to normal functionality. The e-Bike will cease functioning so long as an error code is shown.



## CHARGING INTERFACE

### Errorcodes

ERROR CODE	MEANING	SOLUTIONS
<b>21</b>	Abnormal Current	Check if the phase of motor is short circuiting.
<b>22</b>	Abnormal Throttle (depending on option)	Check that the throttle is not in it's active state.
<b>23</b>	No-phase state	Check if the phase wire is normal Check if the cable is firmly connected with controllers
<b>24</b>	Abnormal Hall signal	Controllers without hall sensors: Check that the phase wire is normal Controller with hall sensors: check if the hall wire is normal
<b>25</b>	Abnormal Brake	Check that the brake is not being applied
<b>30</b>	Abnormal Communication	Check if the display and controller are connected properly

## 6. SETTINGS

While powered on, press and hold “U” and “D” for 2 seconds to enter into the settings. Press “M” to exit.

### 6.1. WHEEL SIZE AND SPEED LIMIT

The first setting is the speed limit. Pressing “U” or “D” to select a value and press “M” to set it. Pressing “M” will also move to the next setting in the following order: **Speed limit (km/h) → Wheel size(inch)→ Speed limit.**

Optional settings of wheel sizes include: **16 inch, 18 inch, 20 inch, 22 inch, 24 inch, 26 inch, 700C, 28 inch.** The default value is 26 inch. Please press “UP” and “DOWN” to change the wheel size and then press “MODE” to confirm, entering into next setting.



**WHEEL SIZE SETTING**

Speed limit setting will set the Max speed of the bike. When the bike exceeds the setting speed, the controller will stop the outputting of the motor to protect the riders. The optional speed setting range from 12 km/h to 40 km/h. The default Max speed is 25 km/h. Please press “UP” and “DOWN” to change the value, then pressing Mode to confirm, entering into next setting.



**SPEED LIMIT**

## BATTERY

### YOUR BATTERY AND THE CORRECT WAY TO USE IT.

#### Charging the battery

The batteries can be charged whilst they sit in the carrier on the bike, or when removed from the bike using the charger. Make sure it is inserted back in once charging is complete.

The average charging time of completely uncharged battery is about **4-6 hours**.

Charging should be completed when the green light lights up.

#### Battery charger



charger LED indicator	
LED	MODE
Red	charging
Green	charging completed, full battery

**ALWAYS MAKE SURE THE BIKE IS POWERED OFF BEFORE INSERTING/REMOVING A BATTERY.**

**TO START CHARGING, FIRST SHOULD CONNECT POWER CABLE WITH 220V ELECTRIC SOCKET, NEXT CONNECT JACK TYPE CABLE WITH THE BATTERY.**



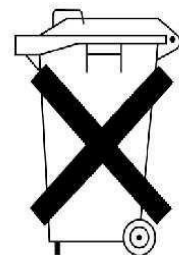
### **ATTENTION !**

If the bicycle is unused, the battery should be stored in a charged state. Especially in the winter when we do not ride a bike remember to recharge the battery to its full no less than once every 3 months. Storing the battery in a discharged condition for a long time may cause its permanent damage !!!

### **Tips for taking good care of your battery:**

- \* Keep the battery stored in a cool dry place (5°C - 20°C)
- \* Use only the charger supplied with the Geobike or a Geobike authorised charger.
- \* Keep the charger and the battery out of reach of small children.
- \* Do not cover the charger whilst in use.
- \* Make sure no dirt or moisture is on the charger or the charger plug.
- \* Do not handle the power plug or charger plug with wet hands.
- \* Do not drop the charger or the battery.
- \* Do not leave the battery pack or charge it in direct sunlight.

Once the battery had reached the end of its life please have it disposed the professional technician or your dealer.



by

### **Disposal notes**

Destruction of the bike and the used battery should be performed in an environmentally sound manner. Please try to recycle wherever possible.



## **WARRANTY INFORMATION**

1. A bike that is correctly maintained and periodically inspected by your GEOBIKE dealer is the safest bike. In the case of an accident Geobike are only liable for accidents resulting from defects in material and / or workmanship. Accidents resulting from alterations, modifications and / or repairs performed by third parties are excluded from the liability. This also applies to accidents resulting from transports of persons and goods.

2. Under normal usage conditions and maintenances, your Geobike frame is covered by a 5 year warranty.

3. The Geobike electric components are covered by warranty subject to normal usage.

The warranty period: 2 years.

The warranty date commences on the date of purchasing.

4. During the warranty period, all components covered for which Geobike has established that there is a material and / or construction defect, Geobike has the right to repair / replace or compensate. Cost of disassembling and transportation of the bike are the responsibility of the owner unless the product is faulty at the moment of delivery. Geobike will if certain items are eligible for warranty cover as far as possible replace by the same new parts or new parts of at least the same quality. Geobike cannot guarantee that certain components, frame types and / or parts will always be available.

5. Geobike reserves the right to decide whether an item is eligible for warranty cover.

6. The warranty applies only to the first owner of the bicycle.

**For more information, please contact GEOBIKE or the shop where you bought the bike.**





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