

User Guide

g-bike



BIG APPLE

BIG APPLE S

g-bike



geobike
electric bikes

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Introduction

Dear Customer,

Congratulations on your purchase of this Geobike.

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.

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

Geobike

Specification

Description of bike components

1. Lithium-ion battery integrated with the frame.
2. Seatpost lockout.
3. VELO saddle.
4. Handlebar with LCD Bafang C961 display.
5. Rear wheel.
6. Front wheel.
7. Crankset.
8. ZOOM front hydraulic disc brake.
9. ZOOM rear hydraulic disc brake.
10. Shimano Acera rear derailleur.
11. Bafang 350 W motor integrated with rear hub.
12. Rigid fork (version Big Apple S with G-bike FTX suspension fork with lockout).



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

Model	BIG APPLE / BIG APPLE S
Type	pedelec
General	
Unladen weight as follows if equipped	25,4 kg / 26,2 kg
Allowable total weight	max. 130 kg
Allowable load for carrier	max. 25 kg
Dimensions (L x W x H) mm	1860 x 765 x 1065 / 1890 x 765 x 1120
Maximum speed	25 km/h – 45 km/h
Bike structure	
Frame	Aluminum 700C
Suspension	rigid fork / G-Bike FTX suspension fork with lockout
Seat height	835 - 995 mm / 855 - 1015 mm
Tires (front & rear)	26"
Rims (front & rear)	KENDA Jurgernaut Sport 26x4,0
Front brake	G-bike XT hydraulic disc brake
Rear brake	G-bike XT hydraulic disc brake
Handlebar	ZOOM
Stem	ZOOM
Drive system	
Cassete	Shimano CS-HG31-8
Chain	KMC "Z"
Pedal drive	aluminum
Shifting system	rear SHIMANO Acera 8 speed
Electric system	
Display	LCD Bafang C961
Operation	5 modes of electric support
Motor	Bafang 350 W in rear hub
Rated voltage	36 Volt
Rated power	350 W
Power transmission	from the rear hub
Battery	Samsung Lithium-Ion, mounted in the frame
Voltage	36 Volt
Peak current	13 A
Rated capacity	optional 10,4 Ah / 13 Ah / 14,5 Ah
Weight	2,5 – 3 kg
Range	30 - 70 km
Recommended tire pressure	1.5 - 3.5 bar
Charging time	about 4-6 hours

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. GEOBIKE Big Apple / Big Apple S 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 Acera 8-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. The 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!

DISPLAY AND FUNCTION

Display LCD Bafang C961



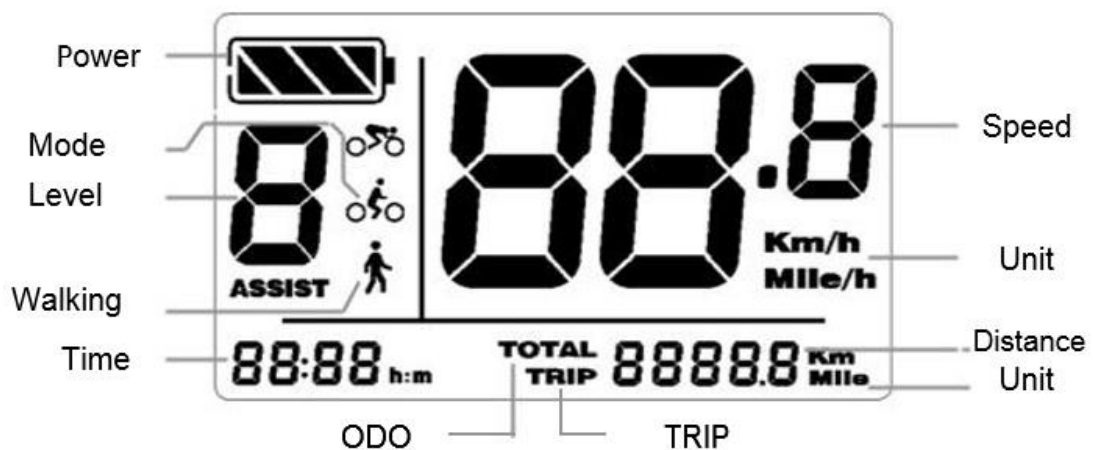
FUNCTIONS & BUTTONS

FUNCTIONS

The C961 offers many functions for your riding pleasure. These Include:

- Remaining Battery Capacity
- Speed indicator (speed / MAX speed / AVG speed)
- Distance and Odometer (TRIP/TOTAL)
- Time
- Walk assistance.
- Backlight.
- Error codes.

INTERFACE



BUTTONS

C961 includes 3 buttons control electronic switch:



..... **ON/OFF** (power onn/off)

..... **(+)** (up)

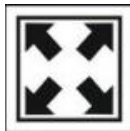
..... **(-)** (down)

TERMS OF USE

Caution: Do not plug in or unplug this display when the power to the unit is on.



Use the display in a safe way. Do not disconnect the display plug when the battery is switched on.



Avoid collisions.



Protect the display's membrane to provide water resistant performance.



Do not attempt to reset parameters if the display is not working.



Call for service if the C961 display is not working.

Operating temperature from -20 C to +60 C

NORMAL OPERATION

ON/OFF

To turn the unit on, press and hold for 2 seconds the **ON/OFF** button to start the display. A long press again the **ON/OFF** button will switch it off. The display switches off automatically if there is no activity for 10 minutes (default).

WALK ASSISTANCE

Press and hold for 2 seconds the **DOWN** button (-) to start the walking assist. You will see the walking icon (🚶) on the display and the motor will move the bicycle or vehicle at **6 km/h**.



This function is designed for walking alongside only. Please do not use this function when riding.

BACKLIGHT

Press and hold for 2 seconds the **UP** button (+) to turn on the C961's backlight screen. Press and hold the **UP** button (+) again to switch it off.

Note: The automatic backlight is available only if the controller (or built-in controller) offers this function.

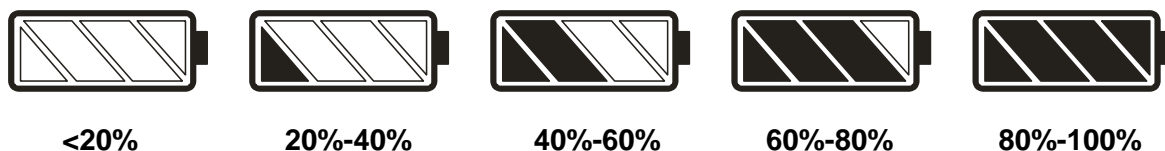
BATTERY CAPACITY

The battery level is indicated by displaying the appropriate number of black sections according to the current battery level.

Four sections highlights when the battery is full.

The battery icon flashes at 1 Hz when low power.

PERCENTAGE OF CAPACITY FOR SECTIONS:



DISTANCE (trip and odometer)

Press and hold the **ON/OFF** button to shift between TRIP and TOTAL (Odometer).



TRIP reset

With the power on press and hold for 2 seconds both the **ON/OFF** button and the **DOWN** button (-) to clear TRIP distance.

DISPLAY SETTINGS

PREPARATION

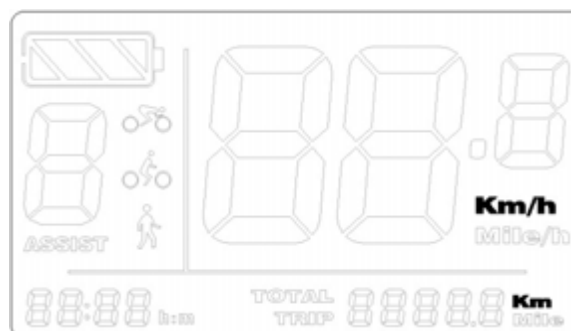
Make sure the connections are good, then power on.

SETTING

Press and hold for 2 seconds the **ON/OFF** button to turn on the display. Press and hold for 2 seconds both the **UP** button (+) and the **DOWN** button (-) to set the mode.

UNIT

Press the **UP** button (+) to change unit **Km** or **Mile**. Press the **ON/OFF** button to save and go to set speed.



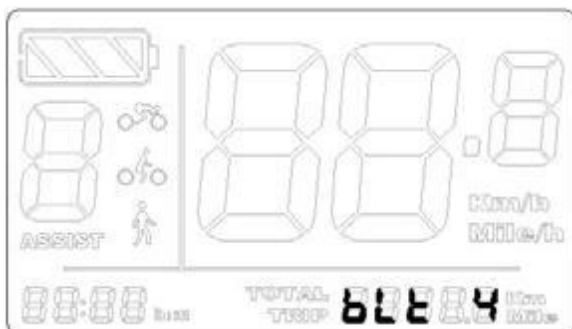
SETTING THE SPEED LIMIT

To limit the speed range (from 15 km/h to 40 km/h) press the **UP** button (+) or the **DOWN** button (-) to change the limit up or down. Press the **ON/OFF** button to save and go to set backlight.



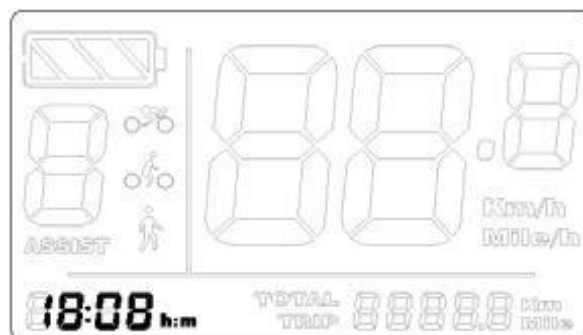
BACKLIGHT

Press the **UP** button (+) or the **DOWN** button (-) to change the brightness (range is 1 to 8). Level 0 is Press the **ON/OFF** button to save and go to time setting.



TIME

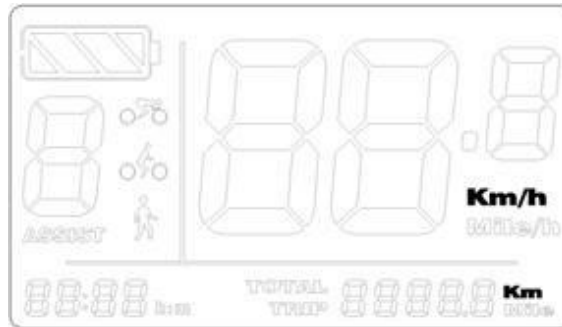
Press the **UP** button (+) or the **DOWN** button (-) to change the hour, then press the **ON/OFF** button to save and go to the minute setting. Press the **UP** button (+) or the **DOWN** button (-) to change the minutes. Press the **ON/OFF** button to save and exit.



The settings go into effect after restart.

ADVANCED SETTING

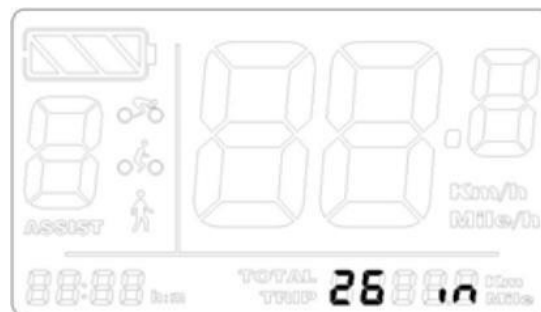
Press and hold for 2 seconds the **ON/OFF** button to start the display. Press and hold for 2 seconds both the **UP** button (+) and the **DOWN** button (-) to enter setting mode.



Press the **UP** button (+) or the **DOWN** button (-) and do not release, meanwhile press the **ON/OFF** button eight times to go the advanced setting menu.

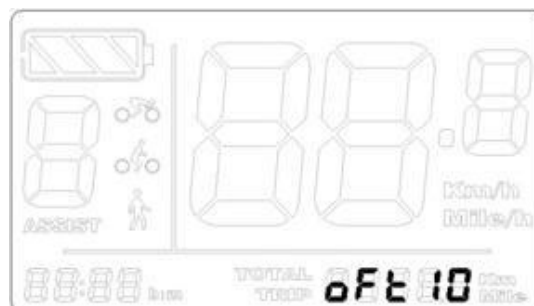
WHEEL SIZE SETTING

Press the **UP** button (+) or the **DOWN** button (-) to change the wheel size. Range from 8 to 32 inch. Press the **ON/OFF** button to save and go to sleep time interval setting.



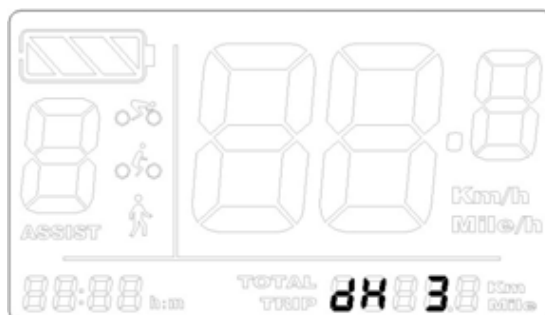
SLEEP TIME INTERVAL SETTING

Press the **UP** button (+) or the **DOWN** button (-) to change the time, range from 0 to 60 minutes. Display will sleep and cut off power after no operation on system for the selected time. Press the **ON/OFF** button to save and skip to level amount setting.



POWER LEVEL AMOUNT SETTING

Press the **UP** button (+) or the **DOWN** button (-) to change the amount, The range from 2 to 9 levels (excluding level 0). Press the **ON/OFF** button to save and exit.



The settings go into effect after restart.

FAQ

Q: Why does the display not power on?

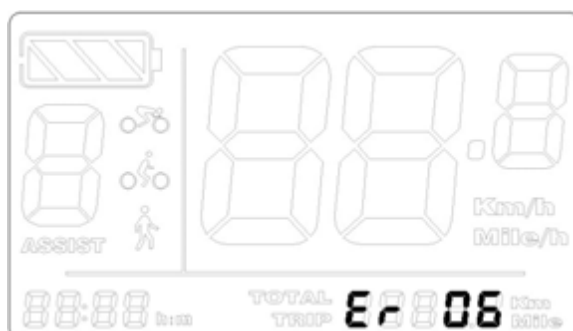
A: Please check that the battery is connected and has power. Then check all the wires and connections. Then press the **ON/OFF** button again. If this fails, please see your service technician.

Q: What should I do when an error code is displayed?

A: Please check the error code list. Sometimes powering down the unit (press the **ON/OFF** button), then unplugging the display, leave it unplugged for two minutes and then plugging it back in and turning it on will reset and correct the error. Please call your service technician if the user cannot remove the error.

ERROR CODES

When something goes wrong with system, an error code will flash on the display. Check details on attached list.



The motor will stop working in the event of an error. Only when the error is gone, will the motor work again.

ERROR CODES:

ERROR CODE	DEFINITION
04	throttle not returning to zero state
05	throttle abnormality
06	low voltage protection
07	over voltage protection
08	hall sensor abnormality
09	phase line abnormality
10	controller overheat
11	temperature sensor in controller abnormality
12	current sensor abnormality
21	speed sensor abnormality
22	communication abnormality in BMS

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.



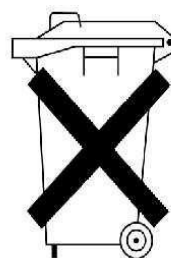
ATTENTION !

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 by the professional technician or your dealer.



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



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

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 dead on arrival. 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.

NOTES :

[illegible]



**GEOBIKE Sp. z o.o.
ul. Mickiewicza 21, 70-383
Szczecin, POLAND**

www.geobike.eu