



www.keteles.com

KETELES XF4000 USER MANUAL

ATTENTION

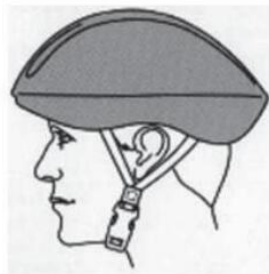
Please read this manual carefully before using the KETELES electric bicycle. If you do not understand this information, or if you do not cover the issues covered in this manual, please contact the dealer.



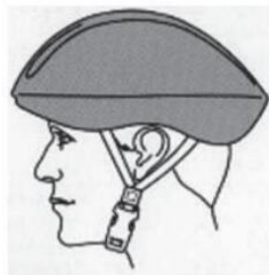
KETELES XF4000 User Manual

HELMETS SAVE LIVES!!!

- ALWAYS WEAR A PROPERLY FITTED HELMET WHEN YOU RIDE YOUR BICYCLE.
- DO NOT RIDE AT NIGHT.
- CPSC RECORDS SHOW THAT ABOUT 35% OF BICYCLE RELATED DEATHS OCCUR AFTER DARK.
- AVOID RIDING IN WET CONDITIONS.
- CPSC RECORDS SHOW THAT ABOUT 65% OF INJURIES HAPPEN TO CHILDREN UNDER 15 YEARS OF AGE.
- RIDE ONLY WITH ADULT SUPERVISION



CORRECT FITTING- MAKE SURE YOUR HELMET COVERS YOUR FOREHEAD.



INCORRECT FITTING. FOREHEAD IS EXPOSED AND VULNERABLE TO SERIOUS INJURY.

Smart Display Instruction



Switch on and off : Long press power button for 3 seconds to turn the display on / off. Quick press power button to check solo / total mileage . Speed Grade : press the + / -button to switch the speed grade . instructions :At 0 grade mode , at this time , the motor does not work when you turn throttle grip , and the human riding has no electric power

Speed Grade 1-5 instruction

Speed Grade 1-5 , turn the throttle grip , the motor works) and PAS starts at the same time . At this time , different assist and speed are matched according to the selected speed grade

CRUISE CONTROL SYSTEM

Pure electric riding mode , during riding process (turn rotatable grip + long press-button for 5 seconds) to enters cruise mode instrument display Cruise sign) . Brake cancels cruise (Cruise mode need to be used in good road conditions , with few pedestrian and vehicles on the road)

Note : For the normal use of each function , please ensure that the led display works



The Carton of the E-bike.



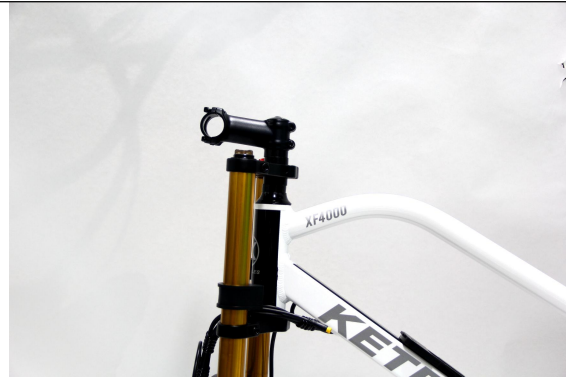
Open the Carton



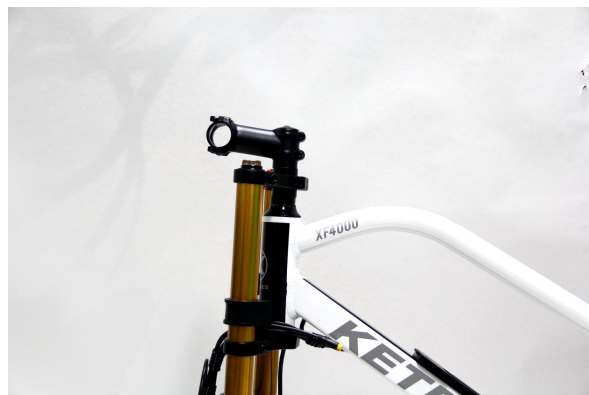
Take the bike and accessories out



Remove the packing EPE pearl cotton



Turn the stem forward. Do not turn the whole fork. The fork brace should be facing forward.



Remove the 4 bolts



Fit the stem and handlebar together



Tighten the 4 bolts that hold the handlebar



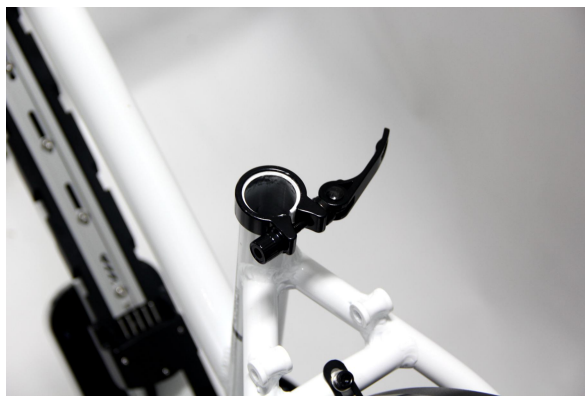
Tighten the bolts on the other side



Handlebar installation completed



The Seat Post Clamp



Open the lever and turn the nut to loose seat post clamp



Insert the seat post into the seat tube.



Lock the clamp lever tightly



Saddle installation completed



Turn the bike upside down



The fork spacer and brake caliper spacer



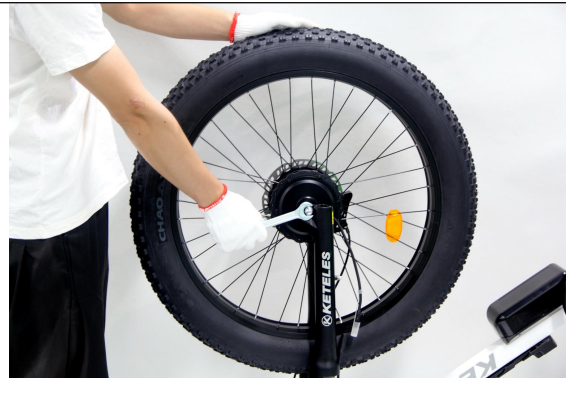
Remove the fork spacer. (it is not a part of the bike)



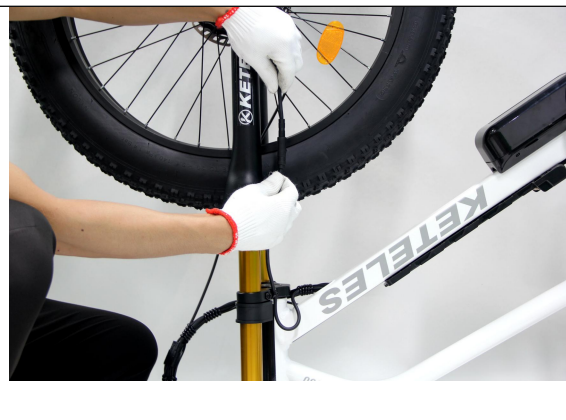
Put the front wheel on the fork.



Put the spacers and nuts in the right places.



Tighten the nuts on both sides



Connect the inline connectors of front motor cable



Front wheel installation completed



The pedal with letter L should be fixed on the left



Turn spanner counter-clockwise to fix the pedal L



The pedal with letter R should be fixed on the right



Turn the spanner clockwise to fix the pedal R



Fix Headlight and fender to the fork brace





Fix rear fender and rear rack to the frame



Tighten the two upper bolts on both sides



Tighten the two lower bolts on both sides





Fenders and Rear Rack installation completed



install the battery



Assembly job completed



Side view of the completed e-bike



The charging port and the battery ON-OFF switch



Turn on the battery first and then press the power button for 3 seconds can turn on/off the display.



Multifunctional color LCD display in the middle .



The cell phone holder has USB charging port.

Press + or - can change speed grade .

Twist the Throttle and enjoy the fun of cycling .

Parts	Warranty Period	Example Problems
Motor	1 Year	1.Internal gear break.
		2.Bearing broken.
		3.The wheel hub shell cracking.
		4.Coil burned.
		5.Magnets off.
		6.clamping stagnation or have serious noise, not the normal operation
Controller	1 Year	1.Short circuit or open circuit.
		2.Overusing.
		3.Coaster related protection function failure.
Battery	1 Year	Not working
Charger	1 Year	Not be charged
Switch	1 Year	Not working
Display	1 Year	Not working, no display
Front Light	1 Year	Not working
Frame	2 Years	Damage
Suspension Fork	1 Year	1. Natural sealing off.
Handlebar		2. Fracture key parts crack.
Seat post		3.Fork fracture.
Throttle	1 Year	Not working

Axle	1 Year	Bend, break
Pedal	1 Year	Not working
Free Wheel	1 Year	Not working
Shifter	1 Year	Not working
Rear Derailleur	1 Year	Not working
Brake	1 Year	Not working
BB	1 Year	Quality problems
Kickstand	1 Year	Broken
Crankset	1 Year	Not working

Notes
The following conditions are not covered by the warranty:
1. Water damage of the battery, motor, and controller.
2. Man-made damage, self-modification, collision damage of spare parts, etc.
3. Tire puncture by sharp objects.
4. Test and dispose of the ebike for sale.
5. Products or accessories that are beyond the warranty period.
6. Improper use by the user resulted in damage to the bicycle and failure to follow the terminal's instructions for repair and maintenance.
7. Poor and damaged due to natural disasters, man-made disasters, irresistible forces or chemical attack.
8. For accessories that do not need to be returned, proof materials such as videos or pictures cannot be provided.
9. Damage caused by modification or addition or subtraction of other accessories.
10. It is a vulnerable or consumable item in normal use (accessory coating, inner tube, thread tube, order piece,

sprocket, chain, pedal). It is not covered by human injury, damage, normal wear and tear.

Question 1: What does the display error code mean? What is the reason for it?

Answer: Except for communication errors which are actively reported by the display, all other error codes on the display are reported to the display by the controller , and the display shows them.

1> The communication error is because the display cannot detect a controller data reply within 10 seconds,

Possible reasons:

① The communication wire harness between the display and controller is not connected correctly or the wire harness is broken ;

② The protocol between the controller and the display does not match ;

③ The communication wire of the display is burned;

2> Possible reasons of Hall sensor failure : ① The motor Hall sensor is damaged; ② The Hall sensor wire is connected incorrectly or not properly;

3> Possible causes of throttle failure: ① The throttle is not in place; ② The throttle is not connected properly; ③ The throttle is damaged;

4> The motor phase position loss . Possible reasons: ① The motor phase position wire is not connected properly or correctly; ② The motor phase position wire is short circuited;

5> Possible reasons of brake failure: ① Brake is not in place ② Brake is damaged or not connected .

6> Possible reason of controller failure: controller is damaged or MOS failure .

7> Possible reason of abnormal current: controller is damaged or MOS failure .

YL-01 , YL-02 error code				
Error Code	Failure part		Error Code	Failure part
E001	Controller failure		E004	Throttle failure
E002	Communication failure		E005	Brake lever failure
E003	Hall sensor failure		E006	Motor phase loss
YL-05, KDS, YL-J error code				
Error Code	Failure part		Error Code	Failure part
E021	Current abnormal		E024	Hall sensor failure
E022	Throttle failure		E025	Brake failure
E023	Motor phase loss		E030	Communication failure

The power assisted mode match with the gear shift to achieve the riding experience of labor-saving and power saving

In the setting of power assist riding, on few slopes and good road conditions, it is recommended to match with variable gears, 7-6 high-speed gears, with the best power-saving effect and speed ratio

In case of large slope road conditions, gear 4-7 is adopted, which can easily and effortlessly climb the slope
Riding with power assisted mode, if use speed shifting & climbing mode on flat road will waste electric power and accompany with the feeling of empty treading

5 PAS Grades	Labour	Motor Power	Effect
PAS 0	100%	0	Cycling for exercise
PAS 1 ~ PAS 2	70%~80%	20%~30%	Slight power assist makes exercise easier
PAS 3	50%	50%	Use power assist to ride faster and farther
PAS 4~PAS 5	20%~30%	70%~80%	Fast cycling, labor saving

Maintenance and use skills of electric bicycle

The maintenance methods of electric bicycle under different use conditions mainly include the following points

Influence of temperature

Temperature has an impact on the use of lithium batteries. Generally speaking, the impact on the use of lithium batteries at room temperature is not significant, but when the temperature is higher than 40°C or lower than -10°C the discharge capacity of lithium batteries will change

For example, if the temperature is below 0°C in winter, the effect will be affected. When the battery is fully charged, the driving mileage will be shortened, because under this condition, the battery capacity can only be released by 60%~70%. Therefore, the driving mileage when the battery is fully charged in winter will be much less than in summer.

Maintenance method

1 , When the temperature is low in winter , the battery should be placed indoors , and the charging should also be carried out indoors . After the battery is fully charged , the charging time should be extended for another two hours

2 , In summer , avoid the sun exposure of batteries . Avoid charging the battery at high temperature . Avoid charging the battery immediately after use in high temperature Do not charge for too long . The battery

needs to be charged for another one or two hour after the red indicator turns green

3 , Avoid exposure to the sun and rain . Although the electric bicycle has good waterproof performance , it can still ride in rainy and snowy weather , but when passing through water puddles and ponding and other roads , pay attention to the wading height , which shall not be higher than the motor , so as to prevent the motor from damage caused by water inflow . Do not use a high-pressure water gun to wash the electric bicycle , so as to avoid damage caused by water entering the electronic parts and accessories

4 , Frequent braking is bound to be accompanied by frequent start-up , which will lead to frequent large current discharge and power cut-off of the battery , which has a certain impact on its life . Countermeasures : pay attention to safety when driving , drive at a proper speed , and try to avoid frequent braking.

KETELES

KETELES LIMITED

UNIT 1507B, 15/F., EASTCORE, 398 KWUN TONG ROAD, KWUN TONG, KOWLOON HONG KONG

Whats APP 1: +86 13632624062

Whats APP 2: +44 07355779889

e WWW.KETELES.COM
