



# GL SERIES

Ebike User Manual





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## Warnings

**Mukppet Ebike LLC assumes no liability for any harm, injury, or death of the rider.**

Congratulations on your purchase of a new Mukppet Ebike! The bike comes 85% assembled and here is the guide helps you get familiar with your new bike in unboxing. The bike may need adjustments in this process as shipping can sometimes be bumpy. We recommend an adjustment and inspection by a reputable, certified bicycle mechanic before the first riding.

Please read the whole manual patiently before you use the new electric bike. Do not modify or disassemble the original electrical components of the bike. This manual is not intended to be used as a detailed service manual. Please feel free to contact us if there is anything you would like to know. Mukppet Ebike recommends a comprehensive security check before the bike begins his first travel. Any of the above will invalidate the warranty and even bring hurt to you. There will be some risks during the process of experiencing the bike.

For technical assistance or warranty claims contact Mukppet Ebike at E-mail: **[mukppetebike@gmail.com](mailto:mukppetebike@gmail.com)**

# Assembly Instructions

## 1. Unfold the Bike



**Step 1:** The bike comes being folded as the picture one shown.

**Step 2:** Unfold the bike and press the quick release according the direction.

## 2. Install the Handlebar



**Step 1:** Insert the stem of the handlebar into the top tube along the groove.

**Step 2:** Adjust the height of the handlebar then tighten the screw and lock the release.

## 3. Unfold the Stem





## 4. Adjust the Seat



**Step 1:** Open the quick release.

**Step 2:** Insert the seatpost, ensuring the minimum insertion point (safety tick marks) goes into the seat tube.

**Step 3:** Search for a comfortable height of saddle by sitting on the saddle with your feet on the ground.

**Step 4:** Close the quick-release lever using your palm.

## 5. Battery



**Step 1:** Turn the key to lock/unlock the battery on bike according to the position attached to the battery as the picture shown.



**Step 2:** Pressing the button on the battery to check the battery power.

**Step 3:** The battery can be removed or not when charging.



# Adjustment

## 1. Brake



① Adjust the rotor ② Adjust the brake ③ Adjust the rotor

1. Make sure the brake disc is in the middle of two brake pads.
2. Adjust the brake tension according to your riding habits.
3. Loosen the screw and adjust the brake wire to the suitable brake tightness. Loosen the screws to adjust the brake disc (abnormal noise or brake stuck when braking).
4. Adjust the brake pad to keep the rotor in the middle position.
5. Tighten the screws after each adjustment.

## 2. Serial Number



There is a serial number attached on head-tube or on the bottom axis connecting the pedals as shown in the following picture. Please take a picture ahead once you received the bike. You may be asked for a picture of your bike's serial number as a part of warranty requests and may also be asked to provide this number to law enforcement provided that your bike is stolen.

# Check

1. Make sure all components are tightened. Adjust the height of the handlebar and the seat post. DO NOT raise it above the safety line.
2. Make sure the brakes can cut off the power supply to the motor, and whether it is sensitive and reliable.
3. Make sure the front and rear axle nuts are tightened.
4. Make sure the display, brakes and lights can work properly.
5. Make sure the chain is tight.
6. Make sure the pedals and all the connection parts are firm and would not loose, and whether the crank is flexible without jamming.
7. Make sure the front and rear tire pressure and tire wear are suitable for your journey ahead.
8. Make sure the throttle works well without jamming, and whether it feels tight or loose when pressing the throttle.
9. Make sure the battery has been locked.

# Display

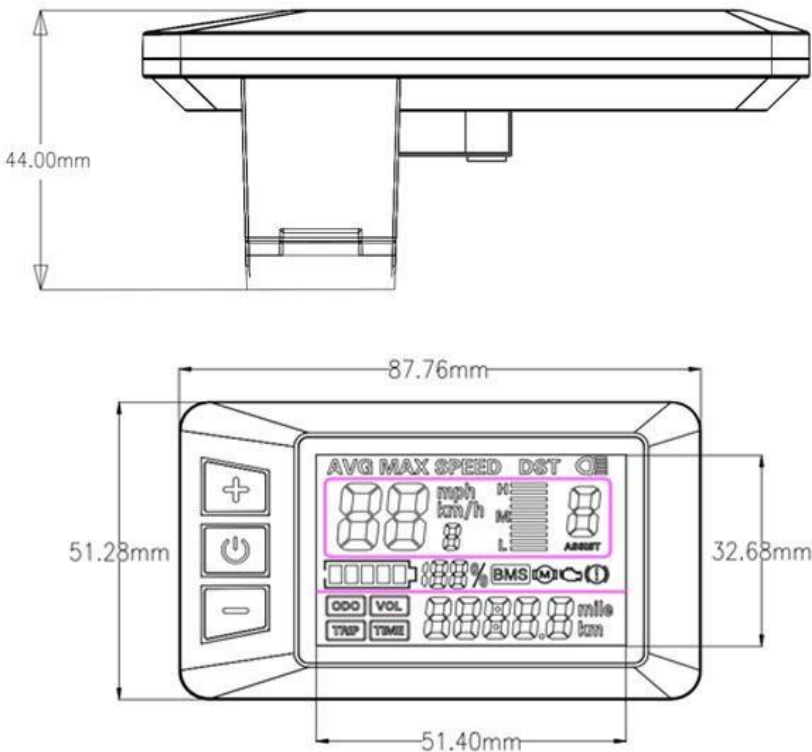
## Material & Dimension

### 1) Material

Outer shell and button: ABS

LCD window: PMMA

### 2) Outside and Mounting Dimension(mm)



### 3) Installation

- Install the display in the middle of handlebar, then adjust to suitable angle, install the press button to left side of handlebar.
- Power off the device, connect the device to controller.
- Power on.

## Overview of LCD-P3H

### Functions


#### 1) Display Function

Speed display, Battery Indicator, fault indication, total distance and trip distance.




#### 2) Control & Setting

Power switch control, wheel diameter setting, Idle auto-sleep time setting, backlight brightness setting, startup method setting, drive mode setting, voltage level setting and controller current limit setting.

#### 3) Key Introduction

3.1 In shutdown mode, long press “  ” key to turn on display.

Short press “  ” to switch ODO, TRIP, VOL and TIME.

3.2 When power on, long press “  ” key to turn off, short press “  ” key, assist level +1, short press “  ” key, assist level -1.

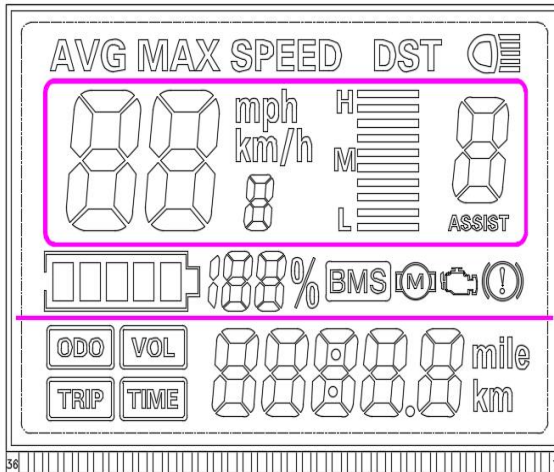
3.3 Long press “ + ” for 3 seconds turn on/off the head light.

3.4 Long press “ + ” key + “ — ” key enter mode setting.

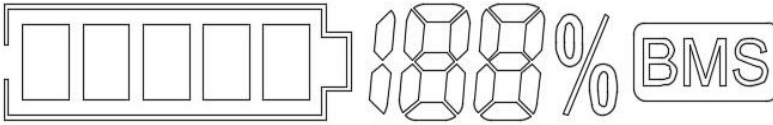
Parameter value modification: In a parametric state, short press “ ⏻ ” key to switch parameters, short press “ + ” key increase the value, short press “ — ” key reduces the value, and after the modification, short press “ ⏻ ” key to switch to the next parameter and save the value of the previous parameter. After modifying the parameters, press and hold again “ + ” key + “ — ” key exit the settings interface. If you don't press, wait 8S to automatically exit and save the parameters.

#### 4) UART Protocol

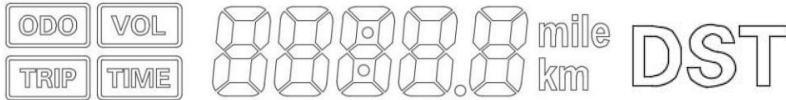
Equipped with independent press buttons. All contents of the display (full display within 1S upon startup).



## 4.1 Battery Power and BMS Remaining Power Display

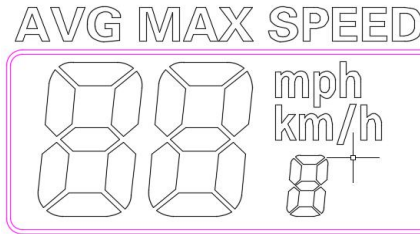


## 4.2 Multifunctional Display Area



ODO: Odometer, TRIP: trip distance (unit: mile, km), TIME: Single startup time, VOL: battery voltage, DST: distance-to-empty.

## 4.3 Speed Display Area



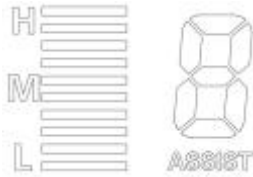
AVG: average speed

MAX: max speed

SPEED: current speed. Unit Mp/h, km/h.

The speed signal is obtained from the Hall signal inside the motor and sent to the instrument through a controller (the time for a single Hall cycle is 1 millisecond). The instrument calculates the actual speed based on the wheel diameter, the signal data, and the number of magnetic poles set for the motor Hall.


## 4.4 Assist Level Adjustment



0-5 digital display and gear bar display.

## 4.5 E-bike Status Display Area

 : Motor failure       : Brake warning

 : Headlight reminder

### Error code definition:

Status Code	Condition Meaning
E02	Brake
E06	Battery under-voltage
E07	Motor fault
E08	Throttle fault
E09	Controller fault
E10	Communication reception fault
E11	Communication transmission fault



## 5) Setting

**P01:** Backlight brightness, Level 1 is darkest and level 3 is brightest.

**P02:** Mileage unit, 0: KM; 1: MILE .

**P03:** Voltage level: 24V, 36V, 48V, 60V (default 36V).

**P04:** Auto shutdown time: short press “+” “-” to switch from “0” to “60”, it is the time (in minutes) to shut down the screen automatically if no operation “0” means never shut down, Default value is 10 minute.

**P05:** Number of Assist levels: 0:3 assist levels, 1:5 assist levels.

**P06:** Wheel diameter: unit, inch; Precision: 0.1. This parameter is related to the display speed of the instrument and needs to be correctly input.

**P07:** Speed sensor magnet number: range: 1-100.

This parameter is related to the display speed of the instrument and needs to be input correctly. For a regular hub motor, directly input the magnet number. For a high-speed motor, you also need to calculate the gear reduction ratio and input the data = magnet number × gear reduction ratio. For example, if the motor magnet number is 20 and the gear reduction ratio is 4.3, the input data is:  $86=20 \times 4.3$ .

**Notices: The P09-P15 menu is only valid in communication status.**

**P09:** Zero start and non-zero start settings

0: zero start. 1: non-zero start.

**P10:** Drive mode setting

0: pedal-assist drive (the output of pedal assist is determined by the assist level, and the throttle is invalid at this time).

1: electric drive (driven by throttle, assist level is invalid at this time).

2: both pedal- assist and electric drive coexist.

**P11:** Pedal-assist sensitivity setting Range: 1-24.

**P12:** Pedal-assist start strength setting Range: 0-5.

**P13:** Pedal-assist magnet type setting 5, 8, and 12 magnet types are available.

**P14:** Controller current limiting value setting, default 12A  
Range: 1-20A.

**P15:** Controller under voltage value setting.

**P16:** ODO reset setting, long-press the up button for 5 seconds to reset ODO.

**P18:** Display speed ratio adjustment Range: 50%~150%.

# Operating Safety

- 1.This Ebike will power off when braking. It ensures safety of riding.
- 2.Do not carry people on the rear seat. The weight limit of the rear seat is 25kg.
- 3.Do not ride exceed the speed limit set by the local traffic laws.Comply with the CLASS 1 maximum speed limit: 20MPH.
- 4.Always wear a helmet that meets the standards and make sure having the necessary protection to ensure the safety when riding the Ebike.
- 5.Turn on the headlight when riding at night. Use the headlight for a long time will consume part of the electric energy and reduce the mileage.
- 6.Avoid pressing the throttle frequently and rapidly to start the Ebike when stationary to extend the service life of the motor, battery and electrical components.
- 7.Turn off the display when parking or leaving the Ebike to prevent accidents caused by accidentally turning the throttle and the Ebike suddenly moving.

## Troubleshooting

**Q:** The battery cannot be charged, the display shows an abnormal battery power.

**A:** Use a multimeter to check if the battery still have voltage. Check if the charger indicator is normal. (Red light means charging, green light means fully charged).The battery case is damaged, stop using the battery and contact us.

**Q:** The tires got flat or could not be inflated.

**A:** The tires will not be filled with air. Ride the bike after inflating the tires. (The pumping range is 17-18 psi). Please check if there is an hole at inner tube and if there is something sharp punctured the inner-tube.

**Q:** The rear wheel motor makes abnormal noise.

**A:** Lift the rear wheel off the ground and press the throttle to see if the rear works. Then contact us with a video for further solutions.

**Q:** The derailleur is pressed or the chain falls.

**A:** Try to strengthen or adjust the derailleur (refer to the relevant part in above).

**Q:** Can I refit the bike?

**A:** The bike can be disassembled and refitted. But our warranty will not cover any bike problems after the refit.

**Q:** Water leak into the display.

**A:** Do not ride in rainy days, and it is forbidden to ride in heavy rain. Add protection to the display if you ride in rainy days. Warranty will not cover the display problems caused by water damage.

**Q:** The brakes make abnormal noise.

**A:** Adjust the brake pads or brake discs, as we noted in the picture above.

**Q:** The Ebike comes without keys.

**A:** The keys are hung on the wires in front of handle bar, Check the wires in front of the handlebar and see if it falls into the box.

**Q:** It looks like the oil leaks from the front fork?

**A:** This is a normal phenomenon that occurs after a bicycle has been used for a period of time.

**Q:** Can people sit on the back seat?

**A:** The maximum loading of the back seat is 25kg. It is prohibited to sit on it.

**Q:** I need to return the bike, what should I do?

**A:** We only accept returns with original package. Any returns without original package will not be accepted.

**Q:** Bike won't turn on.

**A:** Make sure the battery has been fully charged. Make sure the key on battery turned to ON position. Reconnect the display cable to see if it could work.

# Maintaining

## Battery Maintenance

Fully charge the battery for the first use.(more than 6 hours).

Do not use the battery in low power level. Must use the specified charger for charging.

Do not charge the battery at high temperature (over 212 Fahrenheit/100°C). Charge at ventilate place.If the battery is not in use for a long time, charge the battery at least once a month to keep the battery active. Keep the battery away from water or any other liquid. Turn off the battery when not in use.Fully charged the battery before use each time. It will extend the battery life.If there are problems with the battery, do not charge it anymore and contact us for further solutions.

## Frame Maintenance

Pay attention to the frame maintain. Wipe the bike and keep it dry. Any merchandise with electrical components is not recommended to be exposed to water and the warranty of the Mukkpet does not cover water damage. So please try not to store or use the bike in wet condition.

## Tire Maintenance

Check regularly to prevent air leak.Check spokes regularly.

## **Brake Maintenance**

Check brake pads regularly. Check the brake disc regularly to prevent deform. If it is a hydraulic brake, check regularly to see if any oil leakage. Clean the brake regularly.

## **Motor Maintenance**

Do not try to disassemble the motor. If there is any problems with the motor, contact Mukkpet with a video.

## **Derailleur Maintenance**

Check the rear derailleur regularly to see if it hanged to every gear (contact us for the video about how to adjust the shifter).

Check the rear derailleur guard to see whether it bent to affect the derailleur or not.

# Warranty

## The main parts of the warranty provisions

Component	Warranty Period	Performance Failure	Remark
Front fork handle bar	1year	Natural sealing off. Fracture key parts crack.	Except amaged caused by riders.
Motor	1year	Internal gear break. Bearing broken.The wheel hub shell cracking. Coil burned. Magnets off. Clamping stagnation or have strange noise.	Except damaged caused by rider.
Charger	1year	Doesn't work.	Disassemble personally will not be replaced.
Controller	1year	Short circuit or open circuit. Burnout. Mousse tube damaged.	Disassemble personally will not be replaced.
Battery	1year	Not working.	Disassemble personally will not be replaced.
Display	1year	Not working.	Disassemble personally will not be replaced.



The battery warranty does not include damage from power surges, use of 3rd party charger, improper maintenance or other such misuse, normal wear, or water damage (including rust).

Stolen bikes are not covered under warranty. Necessary precautions must be taken to ensure the bike and battery are not exposed to severe weather conditions. Exposure to very wet, hot, or cold conditions may invalidate the warranty.

Items including the chain, tires, wheels, tubes, battery handle, brake pads, cables and housing, grips, and spokes are considered wear items. These items wear down with normal use and are not covered under warranty.

We will replace any parts deemed to have been damaged during shipping. Shipping damage must be reported to Mukkpet Ebike within 14 days of shipment arrival. This applies to all products including bikes and accessories. You will NOT be refunded as compensation for your time or efforts replacing damaged parts. Replacement parts will not be sent until photographic evidence has been provided to Mukkpet Ebike.

Mukkpet Ebike may request additional documentation (such as video) to assist with accurately diagnosing the problem and processing the warranty claim.

## Disclaimer

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2. For warranty services, please contact Mukkpet Ebike online support by email at **mukppetebike@gmail.com**. Bikes or parts returned without proper documentation may result in delayed service or denied warranty coverage. All unauthorized returns will be refused.
3. Damage as a result of an accident is not covered under this warranty, and Mukkpet Ebike is not responsible for repair or replacement of damaged bikes or parts.
4. Mukkpet Ebike reserves the right to change its warranty at any time and without notice.
5. Under no circumstances is Mukkpet Ebike responsible for any damage resulting from damaged, defective, or improperly secured parts. This includes, but is not limited to, damage to personal property, personal injury, or death.



