

# KT-LCD3 eBike Display User Manual

V1.0

Dear customer, please read this manual before you use KT-LCD3 instrument. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status display.

## Functions and Display

Instruments using the structure form of instrument body portion and the operation buttons are designed separately.



1		UP Button	10		6Km/H push power assist
2		SW Button	11		Riding speed(metric)
3		DOWN Button			Riding speed (imperial)
4		Battery capacity indicator			MAX speed
5		Backlight and headlights	12		Average speed
6		The brake display			Distance(metric)
7		Single trip time			Distance (imperial)
8		Total trip time	13		Trip distance
		Power display			Total distance
		Motor temperature			Battery voltage
9		Motor fahrenheit			Pas level
		Environment temperature			Cruise
		Environment fahrenheit			

## Operation

### 1. ON/OFF

Hold button long to turn on the power, and hold button long for a second time to turn off the power. When the motor stops driving and when the e-bike is not used for a consecutive 5 minutes, it will automatically shut down and turn off the motor power supply.

### 2. Display 1



Hold button to start up and enter display 1.

#### 2.1 Turn on backlight and headlights



Hold button long to turn on backlight and headlights (the controller should have headlight drive output function); hold button long again to turn off the backlight and headlights.

#### 2.2 Assist ratio gear (ASSIST) switch



Hold or button shortly to switch 1-5 file gear. Gear 1 is for the minimum power, gear 5 is for the highest power. Each startup will automatically restore the gear shutdown last time(the user can set randomly). Gear 0 is without booster function.

#### 2.3 6Km/H assist promotion function



Hold button and flashes, the vehicle drives at the speed not more than 6Km/h. Release button, the function is invalid.

#### 2.4 Cruise function



After the cruise function is turned on, the trip riding speed is greater than 7 km/ h, hold button long and enter cruise, the CRUISE lit. Brake or hold any button to cancel.

#### 2.5 Display and delete of single data



After power on for 5 seconds, hold and button at the same time, single trip riding time (TM) and single trip distance (DST) flash, hold button shortly, the content of both is cleared. If failed holding the button within 5 seconds, it will automatically return the display interface after 5 seconds, original content is preserved.

### 3. Display 2



Hold button shortly in display 1 to enter display 2.

In the riding mode after 5 seconds, display 2 automatically returns to display 1, and the original motor power (MOTOR W) display is replaced with motor operating temperature display

(MOTOR °C) display (the internal motor should be equipped with the temperature sensor and the output of temperature detection signal).

#### 4. Display 3



Hold button shortly in display 2 to enter display 3.

In the riding condition, five seconds later, a single maximum speed (MXS) display automatically returns to the real riding speed (Km/H).

5. In display 3, hold button shortly (SW), and the display will re-enter display 1.

6. Hold button to turn off the display and the power supply of controller.

7. Automatically prompt interface

#### 7.1 Error Code display

Error Code

Definition

01\_\_info Throttle Abnormality

03\_\_info Motor hall signal Abnormality

04\_\_info Torque sensor signal Abnormality

05\_\_info Axis speed sensor Abnormality(only applied to torque sensor)

06\_\_info Motor or controller has short circuit Abnormality



Electronic control system failure will display (flashing) fault code. Once the fault was removed, it automatically exits from the fault code display interface.

#### 7.2 Motor temperature alarm

When the motor temperature (the internal motor should be equipped with the temperature sensor and the output of temperature detection signal) is over the warning value, MOTOR °C (°F) flashes to alarm at any display, meanwhile the motor controller will offer the appropriate protection to motor.

### General Project Setting

#### 1. Set maximum riding speed



After power on for 5 seconds, hold and button at the same time, maximum riding speed Km/H and MXS flash, hold or button shortly to set the maximum riding speed (default 25Km/H).

Hold button shortly and go to the next parameter settings.

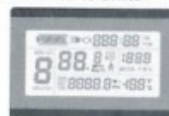
#### 2. Wheel diameter setting



The wheel diameter will be set after finishing setting the maximum riding speed, wheel diameter specifications flashes. Hold or button shortly to set the specifications of wheel diameter. Select the range 6,8,10,12,14,16,18,20,22,24,26,700c and 28 inches. Hold button shortly and go to the next parameter settings.

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#### 3. Set the metric units



The metric units will be set after finishing setting wheel diameter, Km/H and Km flash. Hold or button shortly and select the three metric units of speed, mileage, and ambient temperature in synchronization.

synchronization.

Display	Metric	Imperial
Riding speed	Km/H	MPH
Total distance	Km	Mil
Environment temperature	°C Temperature	°F Fahrenheit

4. Km/H and Km stop flash after metric unit setting is completed. Hold button shortly again to re-enter the maximum riding speed setting interface; or hold button long to exit from setting environment of routine projects and save the setting values, returning to display 1.

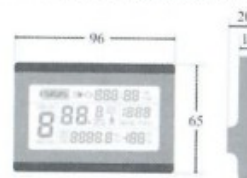
#### 5. Exit from routine project setting

All three routine project settings can exit from the setting environment and return to the display if hold button long after each setting is completed, meanwhile the setting values are saved.

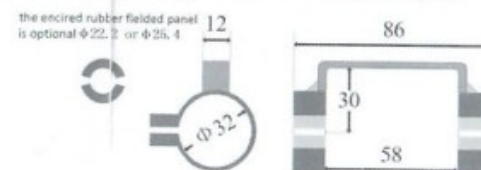
Under each setting interface, if the button failed holding for more than 1 minute, it will automatically return to display 1, and the setting value is invalid.

### Outline Drawings and Dimensions

#### 1. Dimensions of main instrument body



#### 2. Mounting dimensions of double brackets



#### 3. Dimensions of button box



#### 4. Wiring diagram

