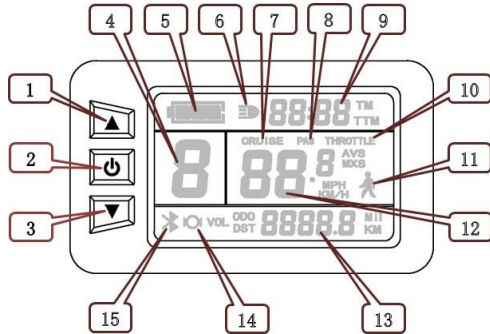


# KT-LCD7 e-Bike Display User Manual

v1.0

Dear customer, please read this manual before you use KT-LCD7 instrument. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status displays.

## Functions and Display



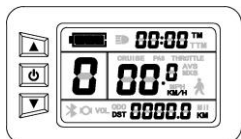
|    |          |                            |    |      |                         |
|----|----------|----------------------------|----|------|-------------------------|
| 1  |          | UP button                  | 12 | KM/H | Riding speed(metric)    |
| 2  |          | SW button                  |    | MPH  | Riding speed (imperial) |
| 3  |          | DOWN button                |    | MXS  | MAX speed               |
| 4  | ASSIST   | Pas level                  |    | AVS  | Average speed           |
| 5  |          | Battery capacity indicator | 13 | KM   | Distance(metric)        |
| 6  |          | Backlight and headlights   |    | Mi.l | Distance (imperial)     |
| 7  | CRUISE   | Cruise function            |    | DST  | Trip distance           |
| 8  | PAS      | Power-assisted function    |    | ODO  | Total distance          |
| 9  | TM       | Single trip time           |    | VOL  | Battery voltage         |
|    | TTM      | Total trip time            | 14 |      | The brake display       |
| 10 | THROTTLE | Throttle display           | 15 |      | Bluetooth display       |
| 11 |          | 6KM/H push power assist    |    |      |                         |

## Operation

### 1. ON/OFF

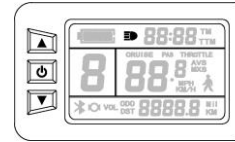
Hold button long to turn on the power, and hold button long for a second time to turn off the power. When the motor stops driving and when the e-bike is not used for a consecutive 5 minutes, it will automatically shut down and turn off the motor power supply.

### 2. Display 1



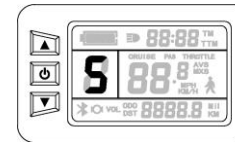
Hold button to start up and enter display 1.

### 2.1 Turn on backlight and headlights



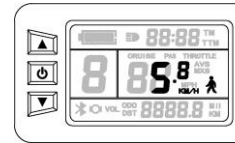
Hold button long to turn on backlight and headlights (the controller should have headlight drive output function); hold button long again to turn off the backlight and headlights.

### 2.2 Assist ratio gear (ASSIST) switch



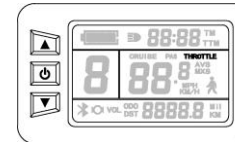
Hold or button shortly to switch 1-5 file gear. Gear 1 is for the minimum power, gear 5 is for the highest power. Each startup will automatically restore the gear shutdown last time (the user can set randomly). Gear 0 is without booster function.

### 2.3 6KM/H assist promotion function



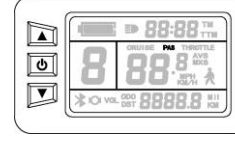
Hold button and flashes, the vehicle drives at the speed not more than 6KM/H. Release button, the function is invalid.

### 2.4 THROTTLE display



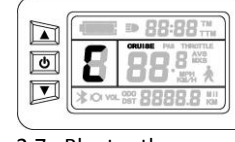
Turn on throttle, THROTTLE display.

### 2.5 PAS display



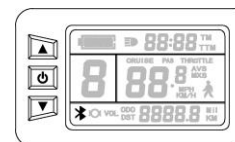
When Power-assisted riding, PAS display.

### 2.6 Cruise function



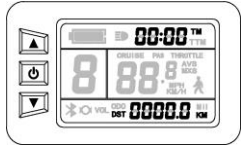
After the cruise function is turned on, the trip riding speed is greater than 7 KM/H, hold button long and enter cruise, the CRUISE lit. Brake or hold any button to cancel.

### 2.7 Bluetooth connection display



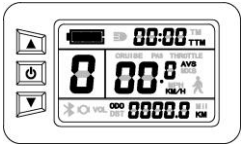
When the mobile phone is connected with the Bluetooth module, the Bluetooth connection signal is on, display.

## 2.8 Display and delete of single data



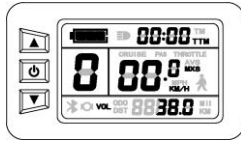
After power on for 5 seconds, hold ▲ and ▼ button at the same time, single trip riding time (TM) and single trip distance (DST) flash, hold ⏻ button shortly, the content of both is cleared. If failed holding the button within 5 seconds, it will automatically return the display interface after 5 seconds,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

## 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).

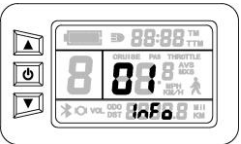
5. In display 3, hold ⏻ button shortly (SW), and the display will re-enter display 1.

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

## 7. Automatically prompt interface

### 7.1 Error Code Display

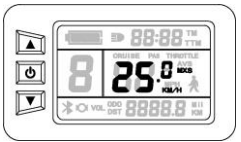
| Error Code | Definition   |
|------------|--|
| 01__info   | Throttle Abnormality   |
| 03__info   | Motor hall signal Abnormality                                |
| 04__info   | Torque sensor signal Abnormality                             |
| 05__info   | Axis speed sensor Abnormality(only applied 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.

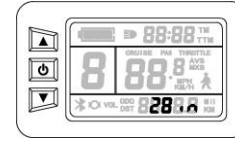
## General Project Setting

### 1. Set maximum riding speed



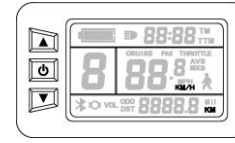
After power on for 5 seconds, hold ▲ and ▼ button at the same time, maximum riding speed KM/H and MXS flash, hold ▲ or ▼ button shortly to set the maximum riding speed (default 25KM/H). Hold ⏻ button shortly and go to the next parameter settings.

## 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,28 and 29 inches. Hold ⏻ button shortly and go to the next parameter settings.

### 3. Set the metric or imperial units



The metric or imperial units will be set after finishing setting wheel diameter, KM/H and KM flash. Hold ▲ or ▼ button shortly and select metric or imperial units of speed and mileage in synchronization.

| Display        | Metric | Imperial |
|----------------|--------|----------|
| Riding speed   | KM/H   | MPH      |
| Total distance | KM     | Mil      |

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.

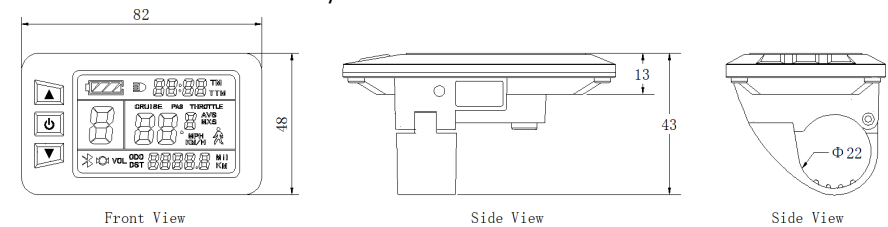
### 5. Exit from routine project setting

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. Wiring diagram

