# KT-LCD8H E-Bike Display User Manual

Dear customer, please read this manual before you use KT-LCD8HDisplay. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status displays.

Functions and Display

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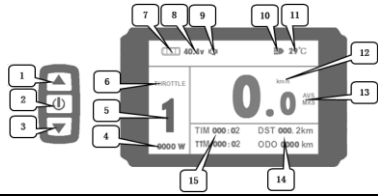

|					
1	▲	UP Button	10	☰◗	Backlight and headlights
2	⏻	SW Button	11	℃	Environment temperature
3	▼	DOWN Button		℉	Environment fahrenheit
4	W	Power display	12	Km/H	Riding speed(metric)
5	ASSIST	Pas/Throttle level	13	MAX	Max speed
	🚶	6Km/H push power assist		AVS	Average speed
6	THROTTLE	Throttle signal	14	DST	Single Trip distance
7	🔋	Battery capacity indicator		ODO	Total Trip distance
8	VOL	Real-time Battery voltage	15	TIM	Single trip time
9	◖◗	The brake display		TTM	Total trip time

1. Operation

1. ON/OFF

Hold ⏻ button long to turn on the power, and hold ⏻ 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.
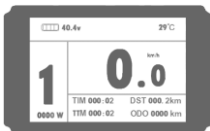
2. Display 1

Hold ⏻ button to start up and enter display 1
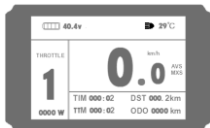
2.1 Turn on backlight and headlights

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

2.2 Assist ratio gear (ASSIST) switch

Press ▲ or ▼ to switch 0-5 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 ▼ and 🚶 flashes, the vehicle drives at the speed not more than 6Km /h. Release ▼ button, the function is invalid.

2.4 Display and delete of single data

After power on for 5 seconds, hold ▲ and ▼ at the same time, single trip riding time (TM) and single trip distance (DST) flash, press ⏻ button , the content of both is cleared. If failed holding ⏻ button within 5 seconds, the display will automatically return interface 1,and the original content will be preserved.
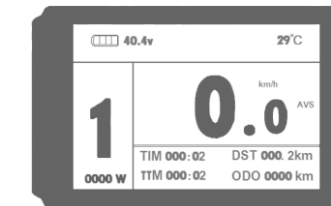
3.Display 2

Press ⏻ button in display 1 to enter display 2. In the riding mode within 5 seconds, display 2 automatically returns to display 1, and the motor power (W) is replaced by motor operating temperature (MOT ℃) (the internal motor should be equipped with the temperature sensor and the output of temperature detection signal).
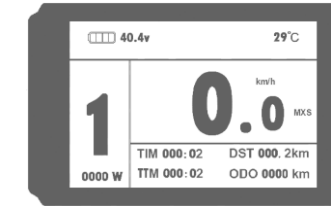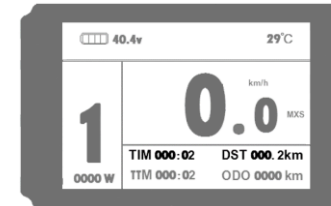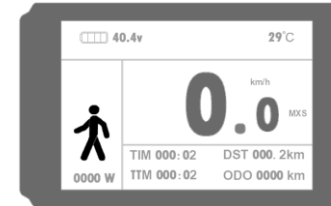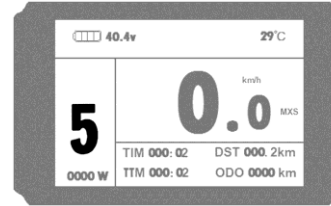
4.Display 3

Press ⏻ button in display 2 to enter display 3. In the riding condition, within 5 seconds , a single maximum speed (MXS) 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

Error Code Display

   1.Motor position sensor fault!

   2.THROTTLE fault!

   3.Motor or controller short circuit fault!

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

7.1 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 ℃ (℉) flashes to alarm at any display, meanwhile the motor controller will offer the appropriate protection to motor.

General Project Setting

▶LIM : 72km/h	C3: 8	C13: 0
DIM : 26"	C4: 0	C14: 2
UNT: 0	C5: 10	L1: 0
P1: 192	C6: 3	L2: 0
P2: 1	C7: 0	L3: 1
P3: 1	C8: 0	
P4: 0	C9: 0	
P5: 12	C10: N	
C1: 4	C11: 0	
C2: 1	C12: 4	

1. Set maximum riding speed

Within 5 seconds after power on, hold △ and ▽ at the same time to enter General Setting interface, the first is maximum speed setting, press ⏻ button maximum riding speed flash, press △ or ▽ to set the maximum riding speed (default 25Km/H). Press ⏻ button Maximum riding speed stop flashing and the setting was be saved

LIM : 72km/h	C3: 8	C13: 0
▶DIM : 26"	C4: 0	C14: 2
UNT: 0	C5: 10	L1: 0
P1: 192	C6: 3	L2: 0
P2: 1	C7: 0	L3: 1
P3: 1	C8: 0	
P4: 0	C9: 0	
P5: 12	C10: N	
C1: 4	C11: 0	
C2: 1	C12: 4	

2. Wheel diameter setting

   Press ▽ to Set wheel diameter after Maximum speed setting is finished, press ⏻ button wheel diameter flashes. press △ or ▽ to set the specifications of wheel diameter. Select the range 5,6,8,10,12,14,16,18,20,23,24,26,27.5、700c,28and 29 inches. Press ⏻ button whell diameter stop falshing, and the setting was be saved

3. Set the metric units

   Move to UNT，press ⏻,to enter UNT setting when it flashes , chosen field is within 0、1、2、3。Press ⏻to save and press ▽ to go to the next parameter settings.

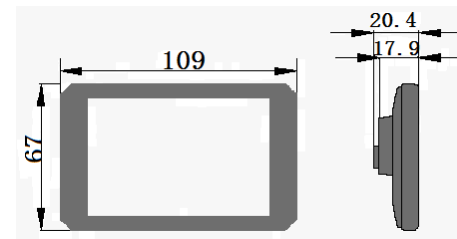| LIM : 72km/h	C3: 8	C13: 0
DIM : 26"	C4: 0	C14: 2
▶UNT: 0	C5: 10	L1: 0
P1: 192	C6: 3	L2: 0
P2: 1	C7: 0	L3: 1
P3: 1	C8: 0	L4: 5
P4: 0	C9: 0	
P5: 12	C10: N	
C1: 4	C11: 0	
C2: 1	C12: 4	

Code	Speed	Mileage	temperature
0	Km/h	KM	℃
1	MPH	Mil	℃
2	Km/h	KM	℉
3	MPH	Mil	℉

4. Exit from routine project setting

   All three routine project settings can exit from the setting environment and return to the display by holding ⏻ button long after each setting is completed, meanwhile the setting values are saved. Under each setting interface, if the button failed be holding for more than 1 minute, it will automatically return to display 1, and the setting value is invalid.
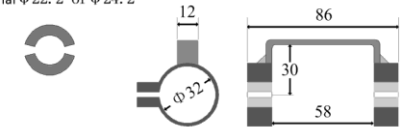
Outline Drawings and Dimensions
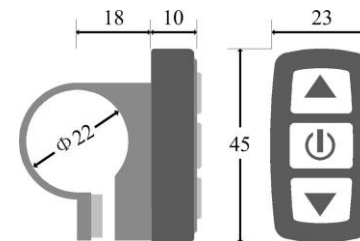
1. Dimensions of main instrument body   2. Mounting dimensions of double brackets

3. Dimensions of button box   4. Wiring diagram

36V   Red
Control Blue
GND   Black
Data1 Green
Data2 Yellow