KT-LCD8H eBike Display User Manual
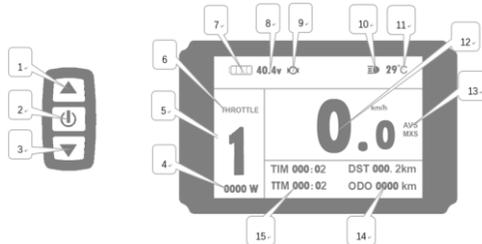
Dear customer, please read this manual before you use KT-LCD8HDisplay. The manual will guide you use the instrument correctly to achieve a variety of vehicle control and vehicle status displays.

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	MOTOR W	Power display	12	Km/H	Riding speed(metric)	
5	ASSIST	Pas level	13	AVS	Average speed	
	🚶	6Km/H push power assist		MXS	MAX speed	
6	THROTTLE	Run sign	14	DST	Trip distance	
7	▰▰▰	Battery capacity indicator		ODO	Total distance	
8	VOL	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 .

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

   Hold ▲ or ▼ 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.
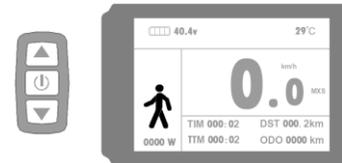
2.3 6Km/H assist promotion function

   Hold ▼ and 🚶 flashes, the vehicle drives at the speed not more than 6Km /h. Release ▼ button, the function is invalid.
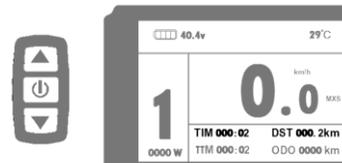
2.4 Display and delete of single data

   After power on for 5 seconds, hold ▲ and ▼ at the same time, single trip riding time (TM) and single trip distance (DST) flash, 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.
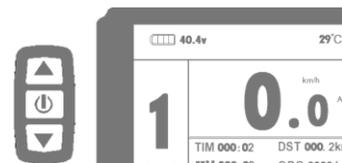
3. **Display 2**

   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 ℃) display (the internal motor should be equipped with the temperature sensor and the output of temperature detection signal).
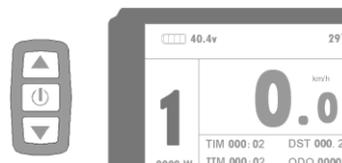
4. **Display 3**

   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

Error Code Display	Error Code	Definition
Motor position sensor fault!		The electronic control system failed to display the fault code.
THROTTLE fault!		There is a fault in the operation, and the fault code is displayed.

The fault is excluded and the fault code display interface is automatically exited.

General Project Setting

1. Set maximum riding speed

After power on for 5 seconds, hold ▲ and ▼ at the same time, maximum riding speed Km/H and MXS flash, hold ▲ or ▼ shortly to set the maximum riding speed (default 25Km/H). Hold ⏻ button shortly and 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	
P4: 0	C9: 0	
P5: 12	C10: N	
C1: 4	C11: 0	
C2: 1	C12: 4	

2. Wheel diameter setting

The wheel diameter will be set after finishing setting the maximum riding speed, wheel diameter specifications flashes. Hold ▲ or ▼ shortly to set the specifications of wheel diameter. Select the range 6,8,10,12,14,16,18,20,22,24,26,700c,28and 29 inches. Hold ⏻ button shortly and go to the next parameter settings.

2. Set the metric units

▶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	

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

Display	Metric
Riding speed	Km/H
Total distance	Km
Environment temperature	℃ Temperature

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.
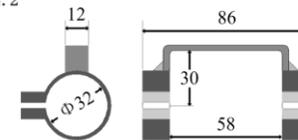
Outline Drawings and Dimensions
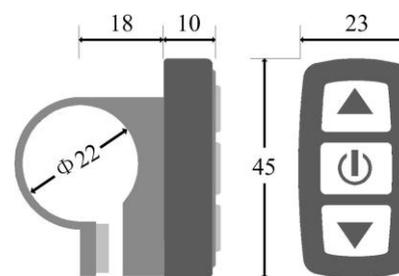
1. Dimensions of main instrument body
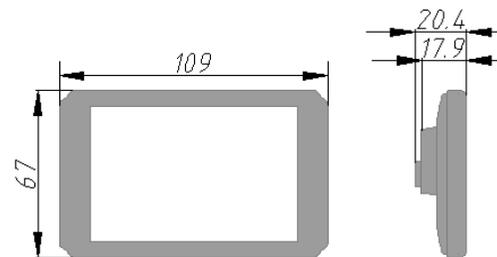
2. Mounting dimensions of double brackets

the encired rubber fielded panel is optional φ22.2 or φ24.2

3. Dimensions of button box

4. Wiring diagram

36V Control	Red
GND	Blue
Data1	Black
Data2	Green
	Yellow