# 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.
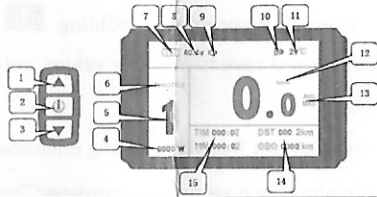
1	▲	UP Button	10	☰▷	Backlight and headlights
2	⏻	SW Button	11	℃	Environment temperature
3	▼	DOWN Button		℉	Environment fahrenheit
4	MOTOR W	Power display	12	Km/H	Riding speed(metric)
5	ASSIST	Pas level	13	AVS	Average speed
	🚶	6Km/H push power assist		MXS	MAX speed
6	THROTTLE	Run sign	14	DST	Trip distance
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

Press ▲ or ▼ 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.
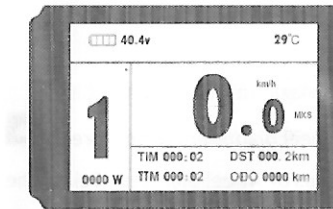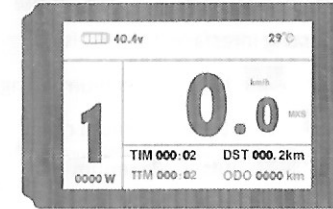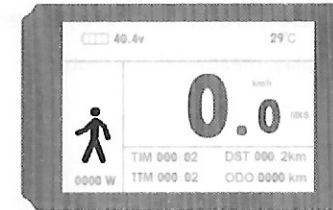
3.Display 2

Press ⏻ button 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

Press ⏻ button 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

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.

7.2 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 ℃ (℉) 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	

LIM : 72km/h	C3: 8	C13: 0
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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	

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, then press ▼ to enter the next parameter settings.

2. Wheel diameter setting

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 6,8,10,12,14,16,18,20,22,24,26,700c,28and 29 inches. Press [⏻] button whell diameter stop falshing, then press ▼ to go to the next parameter settings.

3. Set the metric units

Set metric units after finishing wheel diameter setting, press [⏻] UNT flash. press ▲ or ▼ to select the three metric units of speed, mileage, and ambient temperature in synchronization.

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

4. UNT stop flash after metric unit setting is completed. Holding [⏻] button again 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 by holding [⏻] 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.
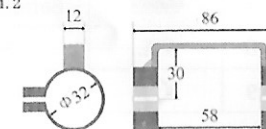
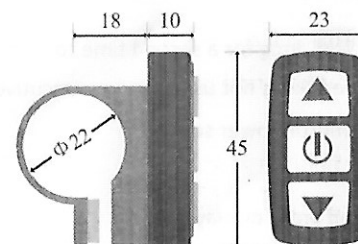## Outline Drawings and Dimensions

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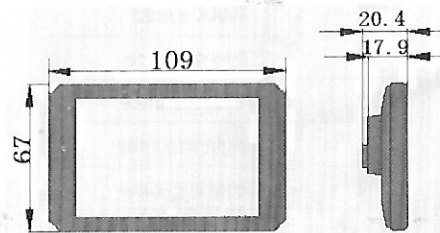
2. Mounting dimensions of double brackets

the encired rubber fielded panel is optional Φ22.2 or Φ24.2

3. Dimensions of button box

4. Wiring diagram

36V	Red
Control	Blue
GND	Black
Data1	Green
Data2	Yellow