# KT-LCD8S E-Bike Display User Manual

Dear customer, please read this manual before you use KT-LCD8S Display. 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.
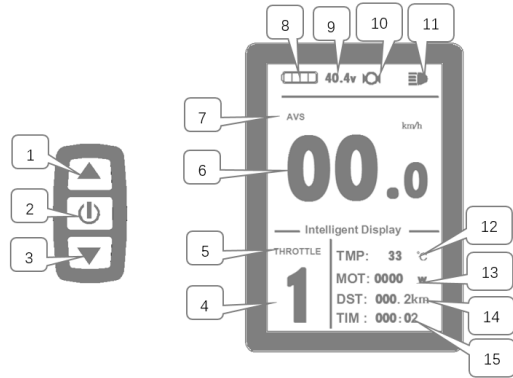
1	▲	UP Button	9	VOL	Battery voltage
2	⏻	SW Button	10	IOI	The brake display
3	▼	DOWN Button	11	⧲	Backlight and headlights
4	ASSIST	Pas level	12	℃	Environment temperature
	🚶	6Km/H push power assist		℉	Environment fahrenheit
5	THROTTLE	Throttle sign	13	MOT	Power display
6	Km/H	Riding speed(metric)	14	DST	Trip distance
7	AVS	Average speed		ODO	Total distance
	MXS	MAX speed	15	TIM	Single trip time
8	🔋	Battery capacity indicator		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.
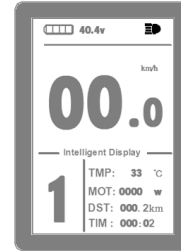
2. Display 1

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.
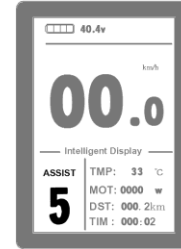

2.3 6Km/H assist promotion function

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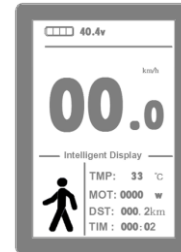
2.4 Display and delete of single data

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.
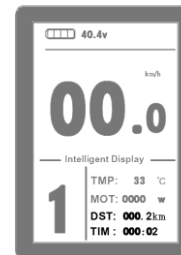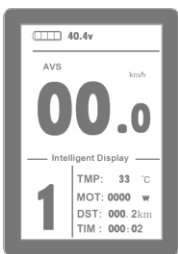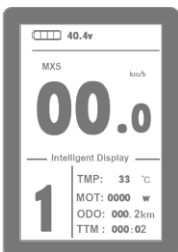
3. Display 2

Hold ⏻ button shortly in display 1 to enter display 2.

In the riding mode within 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, within five seconds , 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
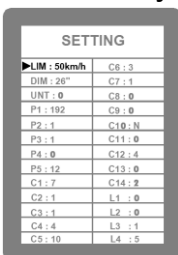
1. Set maximum riding speed

Within power on 5 seconds, hold ▲ and ▼ at the same time to enter maximum riding speed Km/H and MXS setting, press ⏻ maximum riding speed flashing, then press ▲ or ▼ to set the maximum riding speed (default 25Km/H). Press ⏻ button to save the setting, and press ▼ to the next parameter settings.
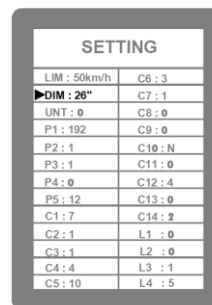
2. Wheel diameter setting

The wheel diameter will be set after finishing setting the maximum riding speed, press ⏻ wheel diameter specifications flashes. Press ▲ or ▼ to set the specifications of wheel diameter. Select the range 5,6,8,10,12,14,16,18,20,23,24,26,700c,28and 29 inches. Press ⏻ button to save and press ▼ to go to the next parameter settings.

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.

| Code	Speed	Mileage	Ambient temperature
0	Km/H	Km	℃(Centigrade temperature)
1	MPH	Mil	℃(Centigrade temperature)
2	Km/H	Km	℉ （Fahrenheit）
3	MPH	Mil	℉ （Fahrenheit）

4. Press ⏻ UNT stop flash after metric unit setting is completed. Hold ⏻ button long to exit from setting environment of routine projects and save the setting values, returning to display

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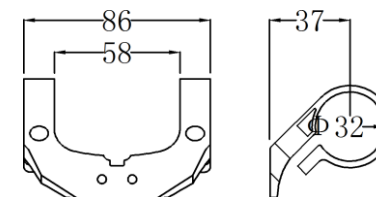
Under each setting interface, if the button failed holding for more than 1 minute, it will automatically return to display 1, and the setting value is invalid.
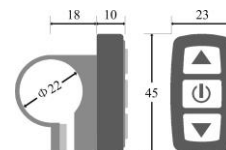
Outline Drawings and Dimensions

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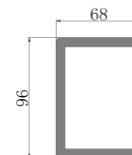
2. Mounting dimensions of double brackets

3. Dimensions of button box

4. Wiring diagram