KT-LCD8H P E-Bike Display User Manual   V2.0

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

1.Functions and Display

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

1	▲	UP Button		MPH	Riding speed(imperal)
2	⏻	SW Button	11	DST	Trip distance
3	▼	DOWN Button		ODO	Total distance
4	🔋	Battery capacity indicator	12	TIM	Single trip time
5	VOL	Battery voltage		TTM	Total trip time
6	🖾	The brake display	13	MOT POW W	power display
7	☲●	Backlight and headlights	14	THROTTLE	Throttle display
8	℃	Environment temperature	15	ASSIST	Pas level
	℉	Environment fahrenheit		�''	6Km/H push power assist
9	MOTT	motor temperature	16	AVS	Average speed
10	Km/H	Riding speed(metric)		MXS	MAX speed

2.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 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, 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 within 5 seconds, display 2 automatically returns to display 1。

4. Display 3

Press [button] button in display 2 to enter display 3

In the riding condition, 5 seconds later, a single maximum speed (MXS) display automatically returns to the real riding speed (Km/H)

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

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

7. Error Code Display：

7.1 Motor position sensor fault!

7.2 Motor or controller short circuit fault!

7.3 THROTTLE fault!

Once the fault was removed, it automatically exits from the fault code display interface

3、 General Project Setting

1. Set Max speed

▶ LIM :72km/h	C3: 8	C13: 0
DIM : 26"	C4: 0	C14: 2
UNT: 0	C5: 10	L1: 0
P1: 87	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: 2	C11: 0	
C2: 0	C12: 4	

Within 5 seconds after power on, hold [▲] and [▼] at the same time to enter General Setting interface, move to maximum speed setting, press [button] button maximum riding speed flash, press [▲] or [▼] to set the maximum riding speed (default 25Km/H). Press [button] button Maximum riding speed stop flashing, then press [button] to save。

2. Wheel diameter setting

LIM :72km/h	C3: 8	C13: 0
▶ DIM : 26"	C4: 0	C14: 2
UNT: 0	C5: 10	L1: 0
P1: 87	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: 2	C11: 0	
C2: 0	C12: 4	

Move to DIM，press [button], it flashes and then to DIM setting, press [▲]and[▼] to set wheel, chosen field within 5、6、8、10、12、14、16、18、20、23、24、26、27.5、700C、28and29 inches.Press [button] to stop flashing and save.

3. Set the metric units

LIM :72km/h	C3: 8	C13: 0
DIM : 26"	C4: 0	C14: 2
▶ UNT: 0	C5: 10	L1: 0
P1: 87	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: 2	C11: 0	
C2: 0	C12: 4	

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

Code	Speed	Mileage	Ambient temperature
UNT:0	Km/h	Km	℃(temperature)
UNT:1	MPH	Mil	℃(temperature)
UNT:2	Km/h	Km	℉ (fahrenheit)
UNT:3	MPH	Mil	℉ (fahrenheit)

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] 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.
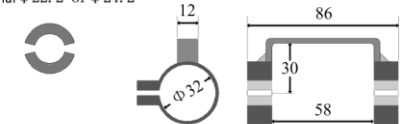
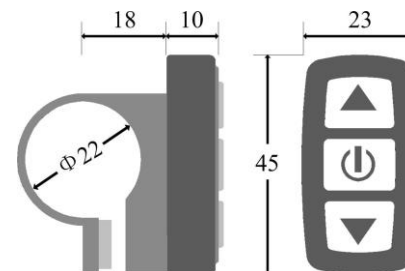## 4.Outline Drawings and Dimensions

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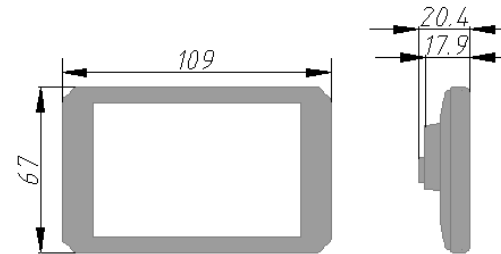
2. Mounting dimensions of double brackets

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

3. Dimensions of button box

4. Wiring diagram

VB+	Red
DM	Blue
GND	Black
Data1	Green
Data2	Yellow