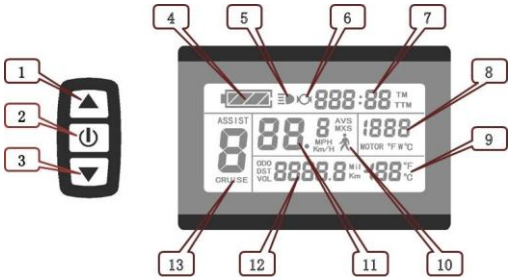
KT-LCD3 e-Bike Display User Manual V3.0

Dear customer, please read this manual before you use KT-LCD3 instrument. 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		6KM/H push power assist
2		SW button	11	**KM/H**	Riding speed(metric)
3		DOWN button		**MPH**	Riding speed (**imperial**)
4		Battery capacity indicator		**MXS**	MAX speed
5		Backlight and headlights		**AVS**	Average speed
6		The brake display	12	**Km**	Distance(metric)
7	**TM**	Single trip time		**Mil**	Distance (**imperial**)
	TTM	Total trip time		**DST**	Trip distance
8	**MOTOR W**	Power display		**ODO**	Total distance
	MOTOR ℃	Motor temperature		**VOL**	Battery voltage
	MOTOR ℉	Motor Fahrenheit	13	**ASSIST**	Pas level
9	℃	Environment temperature		**CRUISE**	Cruise function
	℉	Environment Fahrenheit			

Operation

1. ON/OFF

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

2.2 Assist ratio gear (ASSIST) switch

Hold or button 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 button and flashes, the vehicle drives at the speed not more than 6Km /h. Release button, the function is invalid.

2.4 Cruise function

After the cruise function is turned on, the trip riding speed is greater than 7 km/ h, hold button long and enter cruise, the CRUISE lit. Brake or hold any button to cancel.

2.5 Display and delete of single data

After power on for 5 seconds, hold and button 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

7.1 Error Code Display

Error Code	Definition
01__info	Throttle Abnormality
03__info	Motor hall signal Abnormality
04__info	Torque sensor signal Abnormality
05__info	Axis speed sensor Abnormality(only applied to torque sensor)
06__info	Motor or controller has short circuit Abnormality

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

After power on for 5 seconds, hold ▲ and ▼ button at the same time, maximum riding speed KM/H and MXS flash, hold ▲ or ▼ button shortly to set the maximum riding speed (default 25KM/H). Hold ⏻ button shortly and go to the next parameter settings.

2. Wheel diameter setting

The wheel diameter will be set after finishing setting the maximum riding speed, wheel diameter specifications flashes. Hold ▲ or ▼ button shortly to set the specifications of wheel diameter.

Select the range 6,8,10,12,14,16,18,20,22,24,26,700c and 28 inches. Hold ⏻ button shortly and go to the next parameter settings.

3. Set the metric units

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

Display	Metric	Imperial
Riding speed	KM/H	MPH
Total distance	Km	Mil
Environment temperature	℃ Temperature	℉ Fahrenheit

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.

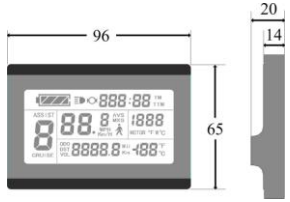
5. Exit from routine project setting

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.

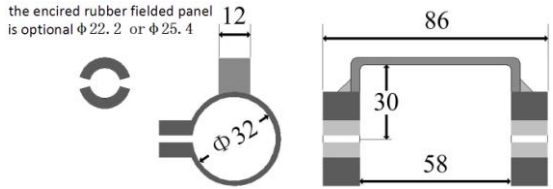
Under each setting interface, if the button failed holding for more than 1 minute, it will automatically return to display 1, and the setting value is invalid.

Outline Drawings and Dimensions

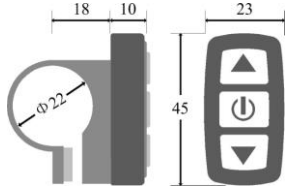
1. Dimensions of main instrument body



2. Mounting dimensions of double brackets



3. Dimensions of button box



4. Wiring diagram