KT-TF02S E-Bike Display User Manual

V1.0

Dear customer, please read this manual before you use KT-TF02S 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	9	**AVS**	Average speed
2		SW Button		**MXS**	MAX speed
3		DOWN Button	10	**KM/H**	Riding speed(metric)
4		Battery capacity indicator	11	**PAS**	Pas level
5	**VOL**	Battery voltage	12	**DST**	Trip distance
6	**Throttle**	Throttle display		**ODO**	Total distance
	Assistance	ASSIST display	13	**W**	Power display
7	℃	Environment temperature	14	**TIM**	Single trip time
	℉	Environment Fahrenheit		**TTM**	Total trip time
	℃	Motor temperature	15		6Km/H push power assist
8		The brake display	16		headlights

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 or 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 headlights

To turn on the vehicle lights, the controller must have the function of headlight drive output。

Automatic headlights: The vehicle lights can be automatically turned on or off according to the ambient light.

Manual headlights: Hold the for 3 seconds to turn on the vehicle lights; hold the for another 3 seconds to turn off the vehicle lights.

Function switching: hold the for 20 seconds to switch between the automatic headlight and manual headlight functions, or directly set the L5 parameter (Manual: L5 = 0; Automatic: L5 = 1 - 5).

2.2 Assist ratio gear (Assistance) switch

Press or to switch 0-5 file gear (N is gear 0). 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

Within 5 seconds After power on , hold and at the same time, single trip riding time (TIM) 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, 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 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 shortly (SW),and the display will enter display 1.
6. Hold button to turn off the display and the power supply of controller.
7. Automatically prompt interface

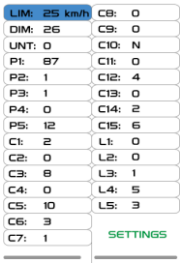
7.1 Error Code Display： Motor position sensor fault!
Motor or controller short circuit fault!
Throttle fault !

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

7.2 Motor temperature alarm

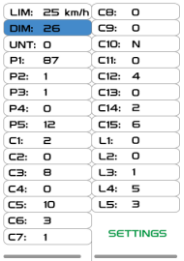
When the motor temperature exceeds the warning threshold, the temperature in ℃(℉) will flash an alarm on the display, and the controller will initiate protective measures. (The controller must have temperature sensing capabilities.)

3、 General Project Setting



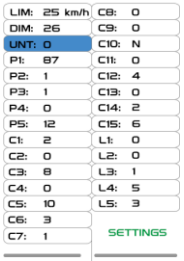
1. Set Max speed

Within 5 seconds after power on, hold and at the same time to enter General Setting interface, move to maximum speed setting LIM , press button LIM flash, press or to set the maximum riding speed. Press button Maximum riding speed stop flashing, then press to save.



2. Wheel diameter setting

Move to DIM， press , 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 to stop flashing and save.



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 button to save and press to go to the next parameter settings.

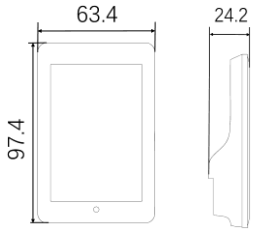
Code	Speed	Mileage	Ambient temperature
UNT:0	Km/h	Km	℃(Temperature)
UNT:1	MPH	Mil	℃(Temperature)
UNT:2	Km/h	Km	℉(Fahrenheit)
UNT:3	MPH	Mil	℉(Fahrenheit)

4. Exit from routine project setting

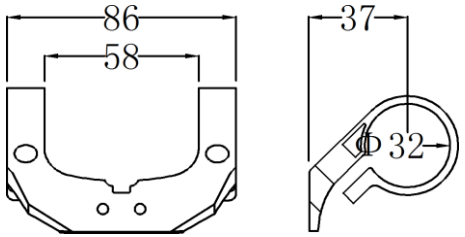
All three routine project settings can exit from the setting environment and return to the display by holding button long after each setting is completed, meanwhile the setting values

4.Outline Drawings and Dimensions

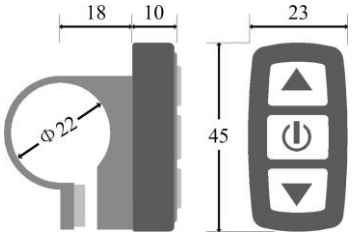
1. Dimensions of main instrument body



2. Mounting dimensions of double brackets



3. Dimensions of button box



4. Wiring diagram