

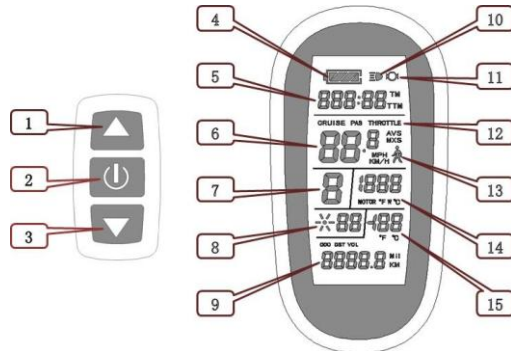
# KT-LCD6 e-Bike Display User Manual

v1.0

Dear customer, please read this manual before you use KT-LCD6 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                  | 9  | <b>Mil</b>        | Distance (imperial)      |
| 2 |               | SW button                  |    | <b>DST</b>        | Trip distance            |
| 3 |               | DOWN button                |    | <b>ODO</b>        | Total distance           |
| 4 |               | Battery capacity indicator |    | <b>VOL</b>        | Battery voltage          |
| 5 | <b>TM</b>     | Single trip time           | 10 |                   | Backlight and headlights |
|   | <b>TTM</b>    | Total trip time            | 11 |                   | The brake display        |
| 6 | <b>KM/H</b>   | Riding speed(metric)       | 12 | <b>CRUISE</b>     | Cruise function display  |
|   | <b>MPH</b>    | Riding speed (imperial)    |    | <b>PAS</b>        | PAS starting display     |
|   | <b>MXS</b>    | MAX speed                  |    | <b>THROTTLE</b>   | Turned on throttle       |
|   | <b>AVS</b>    | Average speed              | 13 |                   | 6KM/H push power assist  |
| 7 | <b>ASSIST</b> | Pas level                  | 14 | <b>MOTO °F °C</b> | Motor temperature        |
| 8 |               | CADENCE display            |    | <b>MOTOR W</b>    | Motor Power              |
|   | <b>KM</b>     | Distance(metric)           | 15 | <b>°F °C</b>      | Environment temperature  |

## Operation

### 1. ON/OFF

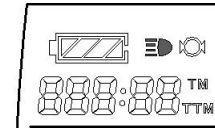
Hold button long to turn on the power, and hold long for a second time to turn off the power. When the motor stops driving and when the e-bike is not used for a consecutive 5 minutes, it will automatically shut down and turn off the motor power supply.

### 2. Display 1



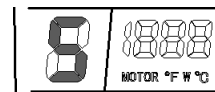
Hold button long to start up and enter display 1.

#### 2.1 Turn on backlight and headlights



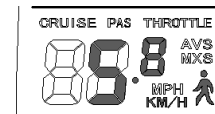
Hold button long to turn on backlight and headlights (the controller should have headlight drive output function); hold long again to turn off the backlight and headlights.

#### 2.2 Assist ratio gear (ASSIST) switch



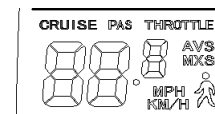
Hold or button shortly to switch 1-5 file gear. Gear 1 is for the minimum power, gear 5 is for the highest power. Each startup will automatically restore the gear shutdown last time (the user can set randomly). Gear 0 is without booster function.

#### 2.3 6KM/H power assistant push function



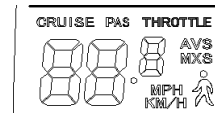
Hold button and flashes, the vehicle drives at the speed not more than 6Km /h. Release button, the function is invalid.

#### 2.4 Cruise function(CRUISE)



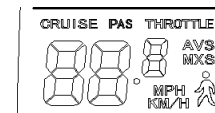
After the cruise function is turned on, the trip riding speed is greater than 7 km/ h, hold button long and enter cruise, the CRUISE lit. Brake or hold any button to cancel.

#### 2.5 Turned on throttle (THROTTLE)



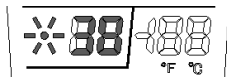
Turned on throttle, the display interface shows THROTTLE.

#### 2.6 Power-assist startup



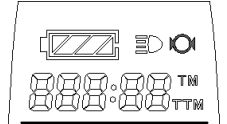
When the booster riding, the display interface shows PAS.

2.7 Cadence function display



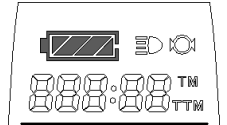
In the assistance mode, the display will show the pedal's Revolutions Per Minute (RPM).

2.8 Brake status display



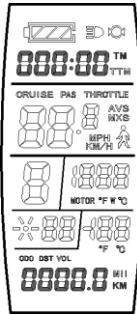
When the brake, the brake state is displayed

2.9 Battery Capacity Indicator



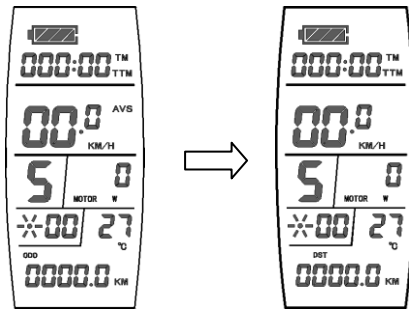
The meter can automatically identify 24V, 36V, 48V battery capacities when it is supporting use with the specified controller. When the battery capacity is over 70%, the four power displays of the meter are lit, when the battery capacities drop, the four power displays are off in order, when the power capacity is less than 15%, the four power displays are totally turned off. When the controller is power off due to voltage shortage, the power display frame flashes, indicating the vehicle has been in voltage shortage and waiting for shutdown currently.

3.0 Display and delete of single data



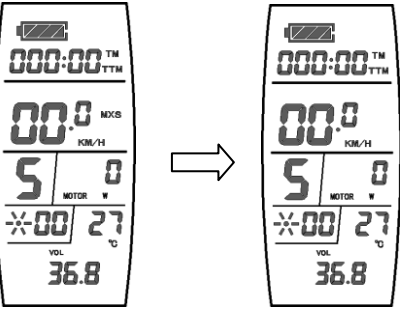
After power on for 5 seconds, hold and at the same time, single trip riding time (TM) and single trip distance (DST) flash, hold button shortly, the content of both is cleared. If failed holding the button within 5 seconds, it will automatically return the display interface after 5 seconds, original content is preserved.

3. Display 2 automatically jump to display 3



Hold button shortly in display 1 to enter display 2. In the riding mode after 5 seconds, display 2 automatically jump to display 3.

4. Display 4 automatically jump to display 5



Hold button shortly in display 2 to enter display 4. In the riding mode after 5 seconds, display 4 automatically jump to display 5.

- 5. Hold button shortly in display 4 or 5 to enter display 3.
- 6. In each display interface, if you hold button long, the meter will be powered-off together with that of the controller.
- 7. Automatically prompt interface

| 7.1 Error Code Display | Error Code                                                                                                                                                      | Definition                                                   |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
|                        | 01__info                                                                                                                                                        | Throttle Abnormality                                         |
|                        | 03__info                                                                                                                                                        | Motor hall 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 °C (°F) flashes to alarm at any display, meanwhile the motor controller will offer the appropriate protection to motor.

Outline Drawings and Dimensions

