

USERS GUIDE

K5248 LCD



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Preface

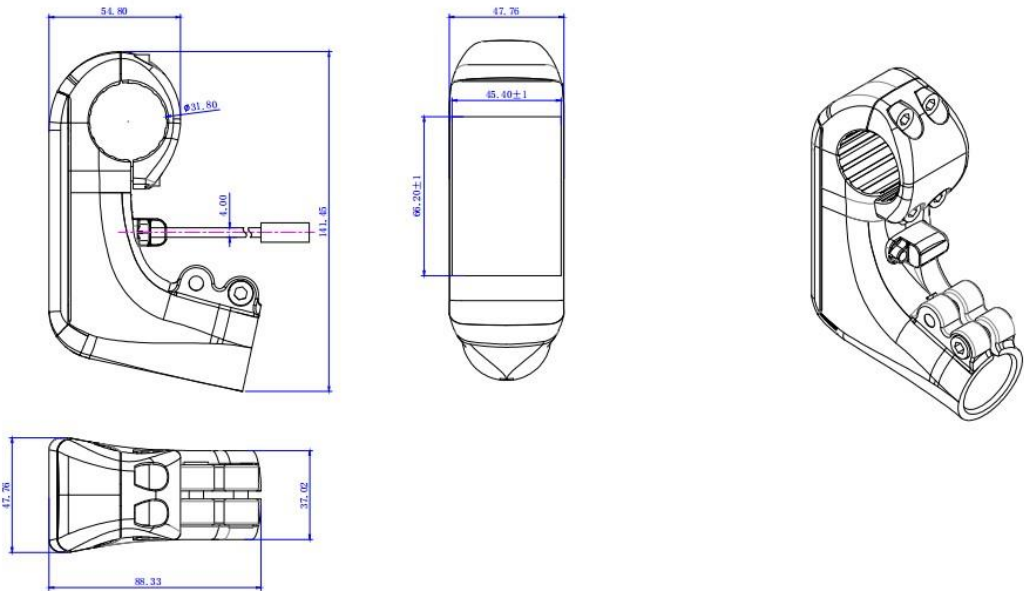
Dear user, to ensure better performance of your e-bike, please read through the K5248 product introduction carefully before using. We will use the most concise words to inform you of all the details (including the hardware installation, setting and normal operation use of the display) when using our display. Meanwhile, the introduction will also help you to solve possible confusion and barriers.

1. Appearance and Dimensions

1.1 Material and Color

K5242 products are made of PC material. Under the temperature of -20 to 60°C , the shell material can ensure normal usage and good mechanical performance.

Dimension (unit: mm)



2. Function and Button Definition

2.1 Function description

K5248 provides you with a variety of function modes, to meet your riding needs.

Its functions are as follows:




- ◆ Battery power indication
- ◆ Speed indication (including Max Speed and Average Speed)
- ◆ Distance (including single trip distance and ODO display)
- ◆ Walk assist & Headlight indication
- ◆ Error code indication
- ◆ Various setting parameters
- ◆ Color Theme switch

2.2 Normal Display Content



K5248 Normal Display Interface

2.3 Button definition

There are 3 buttons on K5248, in the following introduction,  is named as “MODE”.  is named as “UP” and  is named as “DOWN”.

3. Note for Users

Be care of the safety use. Don't attempt to release the connector when battery is on power.



Try to avoid hitting.



Don't split the waterproof sticker to avoid affecting the waterproof performance.



Don't modify system parameters to avoid parameters disorder.



Make the display repaired when error code appears.

4. Installation Instruction

When the e-bike is powered off, you can insert the connector of display and the corresponding connector of controller to complete the installation, and adjust the display to a suitable angle.

5. Normal Operation

5.1 On / Off

Long press “MODE” button then the display will work normally, and the controller will power on at the same time.

With the display on, long press “MODE” button, the display will shut down, the display will leave off battery, the leakage current of display on is less than 1 μ A.



If the e-bike is not used for more than 10 minutes, the display will automatically shut down.

5.2 User interface

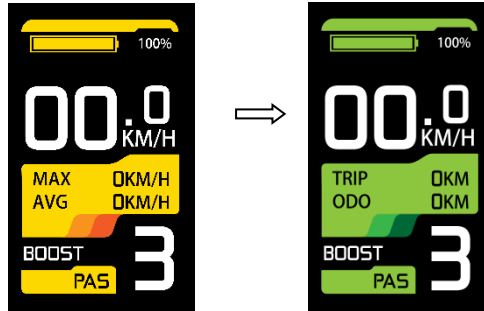


Normal display interface

After the display is turned on, it will display the real-time speed by default. The PAS level is displayed in the lower right corner of the screen, the Single Trip distance (unit: km) and the Odometer (unit: km) are displayed in the middle position, and the percentage of battery power is displayed at the top.

5.3 Color Theme Switch

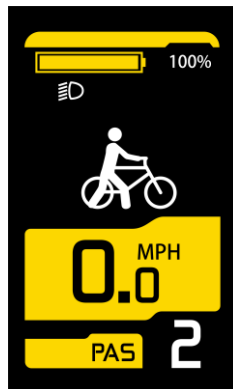
Long press the “UP”, “DOWN” and “MODE” button together for more than 2 seconds to switch color themes. There are a total of four color themes to meet different customer’s preferences.



Color theme switch

5.4 Walk Assist Mode

Press and hold the “DOWN” button for 2 seconds to enter the Walk assist mode. The E-bike will travel at a constant speed of 6km/h.



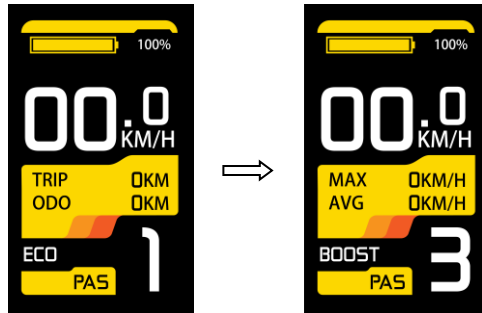
Walk assist mode interface



Walk Assist function can only be used as pushing the e-bike by hands. Please don't use this function when riding.

5.5 PAS Level Selection

Short press the "UP" or "DOWN" button to switch the PAS level, the motor output power will be changed accordingly by the PAS level of E-bike. The default range of PAS level is 0-3 levels. Level 1 is the lowest output level, and the level 3 is the highest output power level of the motor. The default level is level1.



5.6 Battery Indicator

The battery power is shown as a percentage bar. When the battery is fully charged, the power bar shows 100%



Battery indicator

5.7 Headlight On/Off

Long press the “UP” button, the backlight will be turned on, and the controller will be informed to turn on the headlight. Long press the “UP” button for 2 seconds again to turn off the headlight.



Headlight indicator

5.8 Error Code

When the e-bike electronic control system fails, the display will automatically indicate the error code. For the definition of detailed error codes, see appendix 1.

6. User Settings

When there is no speed in the power on state, press and hold the “UP” and “DOWN” button at the same time for 2 seconds, and the display will enter the setting interface. Press “MODE” button to select display settings. Long press “MODE” button to save and exit the setting interface.

6.1 Backlight Brightness Setting

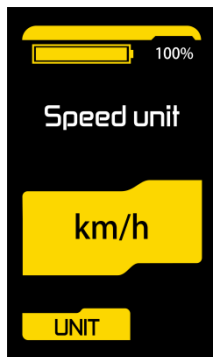
Press “UP” and “DOWN” button to change the backlight brightness, short press “MODE” button to switch to next setting option.



Backlight setting interface

6.2 Display Unit Setting (Metric / Imperial)

The setting parameters are Metric and Imperial. Km/h or Mile/h can be selected by pressing “UP” and “DOWN” button. Km/h means the unit is metric system, and Mile/h means the unit is Imperial system. The default unit is metric. Short press “MODE” button to switch to next setting option



Unit setting interface

6.3 Speed Limit Setting

The setting range of the maximum speed setting is 12km / h to 40km / h. It can be set by pressing “UP” and “DOWN” button. Short press “MODE” button to confirm and switch to next setting option.



Speed limit setting interface

6.4 Wheel Size Setting

The settable values are: 16, 18, 20, 22, 24, 26, 700C, and 28 inch. Select the corresponding wheel diameter of the E-bike through “UP” and “DOWN” button to ensure the accuracy of the speed display and mileage display. Short press “MODE” button to confirm and switch to next setting option.



Wheel size setting interface

6.5 Version Information Interface

This interface shows software version number, which is usable for later display maintenance.



Version information interface

7. FAQ

Q: Why can't turn on the display?

A: Please check whether the battery is turned on or the leakage lead wire is broken

Q: How to deal with the error code display?

A: Contact the e-bike maintenance station in time.

8. Quality Assurance and Warranty Scope

I, Warranty Information:

1, King-Meter will be responsible for all faults arising during normal operation that are caused by a quality defect.

2, The warranty time is 24 months from the day the display leaves the factory.

II, The following are not covered by warranty:

1, Shell opened.

2, Connector damaged.

3, After display out of factory, the shell is scratched or damaged.

4, Lead wire of display scratch or break.

5, The fault or damage is caused by the force majeure (such as fire, earthquake, etc.) or natural disasters (such as lightning, flooding, etc.)

6, Product exceeded warranty period.

9. Version

The instruction manual of this display is the operation manual of the general software version (version 1.0) of Tianjin King-Meter Technology Co., Ltd. The version of the display software used on some vehicles may be slightly different from this manual, and the actual version used shall prevail.

Appendix 1: Error Code Definition

Error Code	Definition
21	Current Abnormal
22	Throttle Abnormal
23	Motor phase problem
24	Motor Hall defect
25	Brake Failed
30	Communication Abnormal

KING-METER