

USERS GUIDE

K5317 LCD



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Preface

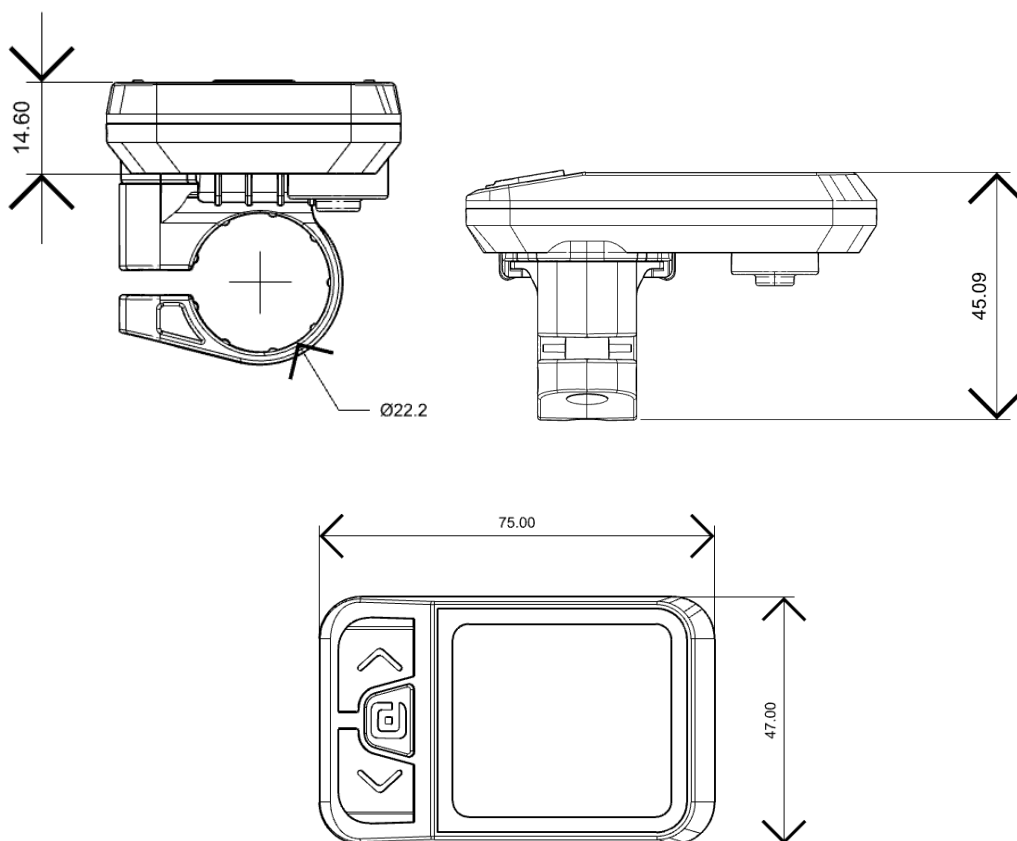
Dear user, to ensure better performance of your e-bike, please read through the K5317 product introduction carefully before using. We will use the most concise words to inform you of all the details (including the hardware installation, setting and normal operation use of the display) when using our display. Meanwhile, the introduction will also help you to solve possible confusion and barriers.

1. Appearance and Dimensions

1.1 Material and Color

K5317 products are made of black and white PC. 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

K5317 provides you with a variety of function modes, to meet your riding needs.

Its functions are as follows:

- ◆ Battery power indication;
- ◆ Speed indication(including Real-time Speed, max speed and average speed);
- ◆ Distance (including single trip distance and ODO display);
- ◆ Walk assist indication;
- ◆ Backlight setting;
- ◆ Error code indication;
- ◆ Various setting parameter.

2.2 Normal Display Content



K5317Normal Display Interface

2.3 Button definition

There are 3 buttons on K5317, 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.

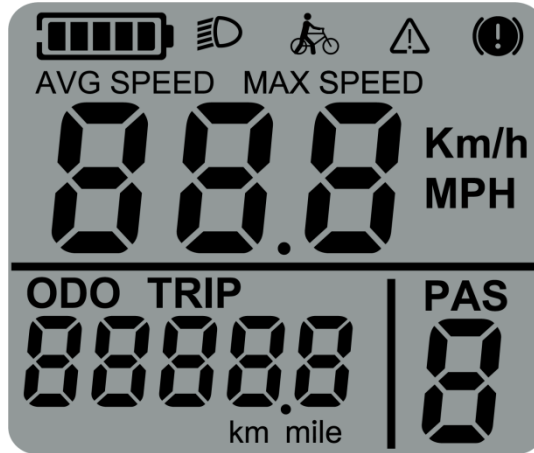
5. User Settings

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.

The all display is as follows:



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

5.2 Normal display interface



Normal display interface

5.3 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.



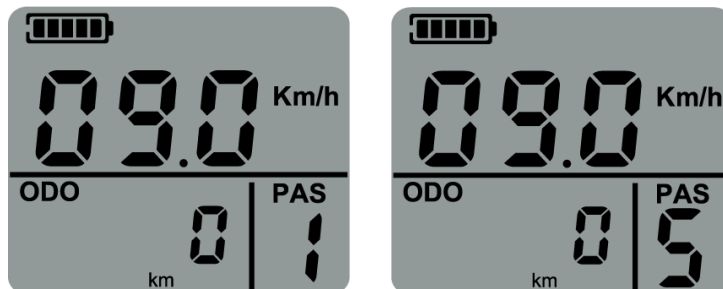
Walk assist mode interface



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

5.4 PAS Level Selection

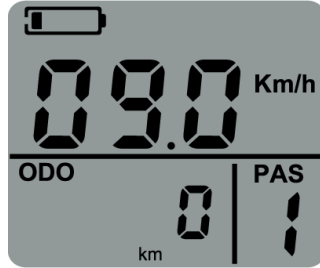
Short press the "UP" or "DOWN" button to switch the PAS level, the motor output power will be changed accordingly by the PAS level of E-bike. The default range of PAS level is 0-5



PAS Level selection Interface

5.5 Battery Indicator

The 5 battery bars represent the capacity of the battery. When the battery is in low voltage, battery frame will flash to notice that the battery needs to be recharged immediately.



Undervoltage Indicator



Full power Indicator

5.6 Headlight On/Off

Press and hold “UP” button for 2 seconds to turn on the backlight of the display, and the controller will be informed to turn on the headlight.



Turn on the Headlight

5.7 Speed/Single Trip Distance/ODO

5.7.1 Real speed/ODO interface

After turning on the display, it shows the real-time speed and total mileage (ODO) by default.



Real-time speed, ODO interface

5.7.2 Real-time speed, Trip interface

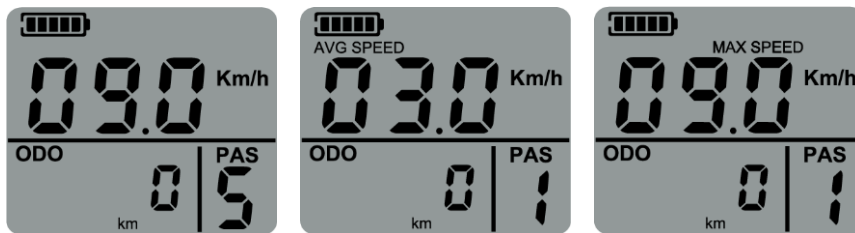
Short press 【MODE】 button, the display switch to show the Real-time speed and Trip.



Real-time speed,Trip interface

5.7.3 Average speed, Max speed interface

The display can indicate the real-time speed, average speed and max speed. The real-time speed is displayed by default when the K5317 display is turned on, Pressing the 【MODE】 and 【UP】 to switch Real-time speed→average speed→max speed.



Real-time speed

Average speed

Max speed

5.8 Error Code

When the E-bike electric system fails, the display will show the error code automatically. The detailed information of the error code (see Appendix list 1).



Error indicator



Only after the fault is eliminated, the error code interface can be cleared, the E-bike will not be able to ride when error code occurs.

6. Normal setting

Press the **【UP】** and **【DOWN】** buttons for two seconds when the speed is zero to enter the password interface, and when the password is entered correctly, you can enter the general settings interface (password is 9999). Press **【MODE】** to switch the settings interface in the settings.



Password Interface

6.1 Backlight Brightness Setting

Short press **“MODE”** button to enter the setting option. The setting options: 1, 2 and 3 indicates the backlight brightness, 1 is the darkest, 2 is standard brightness, 3 is the brightest. The default value is 1. Long press **“MODE”** button to return to the setting list interface.



Backlight brightness setting interface

6.2 Display Unit Setting

Short press “**MODE**” button to enter the setting option. The setting parameters are Km/h and Mile/h. The default Km/h unit is metric. 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. Long press “**MODE**” button to return to the setting list interface.



Display unit setting interface

6.3 Automatic power off time setting

Automatic power off time setting, the setting parameters can be selected from 1-60 min. Default 10min power-off. It can be selected by pressing “**UP**” and “**DOWN**” button. Long press “**MODE**” button to return to the setting list interface.



Automatic power-off time setting interface

6.4 Wheel size setting

Settable values from 16-28 inch (increase or decrease by 0.5). Select the wheel size by press UP and DOWN to ensure the accuracy of the speed display and mileage display. Long press “MODE” button to return to the setting list interface.



Wheel size setting interface

6.5 Speed limited setting

Speed limit settings. The settable values are 12-40km/h. Select the maximum speed through UP and DOWN button to ensure riding safety. Long press “MODE” button to return to the setting list interface.



Speed limited setting interface

6.6 Speed Sensor Setting

Speed Sensor Setting, The setting parameters can be selected from 1to6. The default speed magnet number is 1. The number of magnets can be selected by pressing the UP and DOWN buttons. Long press "MODE" button to return to the setting list interface.



Speed sensor magnet selection interface

6.7 Zero-start setting

Zero-start setting, The setting parameters can be selected from 0 or 1.The default 0 indicates zero-start. Select 0 and 1 by pressing the UP key and the DOWM button. 0 means zero start, and 1 means non-zero start. Long press "MODE" button to return to the setting list interface.



Zero-start setting interface

6.8 Assisted drive mode setting

Assisted drive mode interface with setting parameters 0, 1 and 2. Default 2 indicates hybrid drive. You can select 0, 1, or 2 by pressing the UP and DOWM button. 0 indicates that the driving mode is assisted drive, 1 means that the driving mode is electric drive, and 2 means that the driving mode is assisted driving and electric drive coexist. Long press "MODE" button to return to the setting list interface.



Assisted drive mode interface

6.9 Power Assistance sensitivity setting

Power Assistance sensitivity setting, The default value is 3. It can be selected from 1 to 24 by pressing the UP key and the DOWM button. Long press "MODE" button to return to the setting list interface.



Power Assistance sensitivity setting

6.10 Start power strength setting

The boost power strength setting interface, the default 3 indicates that the boost start intensity is 3. 0-5 can be selected by pressing the UP and DOWM button. Long press "MODE" button to return to the setting list interface.



Start power strength setting interface

6.11 Magnetic steel number of disc setting

The default 8 means that the number of magnetic steels on the disk is 8, It can be selected 5, 8 or 12 by pressing the [UP] and [DOWM] button. Long press “MODE” button to return to the setting list interface.



Magnetic steel number setting interface

6.12 Current Limit Setting

Controller current limit setting interface, the default 20 indicates that the current limit value is 20A. The setting parameters can be selected from 1A-20A by pressing the UP and the DOWM button. Long press “MODE” button to return to the setting list interface.



Current limit setting interface

6.13 PAS Level Setting

PAS level setting interface, the default 0-5 means that the minimum PAS level is 0 and the maximum is 5, by pressing the UP and DOWM button, it can select 0-3, 1-3, 0-5, 1-5, 0-7, 1-7, 0-9, 1-9. Long press "MODE" button to return to the setting list interface.



PAS level setting interface

6.14 Battery value setting

Battery value setting interface, the user can modify the power value represented by each battery, switch each power value by long pressing the [UP] key and the [MODE] key, and adjust it by pressing the UP and DOWN button. Long press "MODE" button to return to the setting list interface.



Battery value setting interface

7.Preparation Before Startup

Please read the instruction carefully before using the display.

8.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.

9.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 lighting, flooding, etc.)

6, Product exceeded warranty period.

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	Abnormal Communication

KING-METER