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USERS GUIDE
K5242-BLT LCD

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# Content

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Preface

Dear user, to ensure better performance of your e-bike, please read through the K5242-BLT 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.

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1. Appearance and Dimensions

### 1.1 Material and Color

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

Dimension（unit：mm）
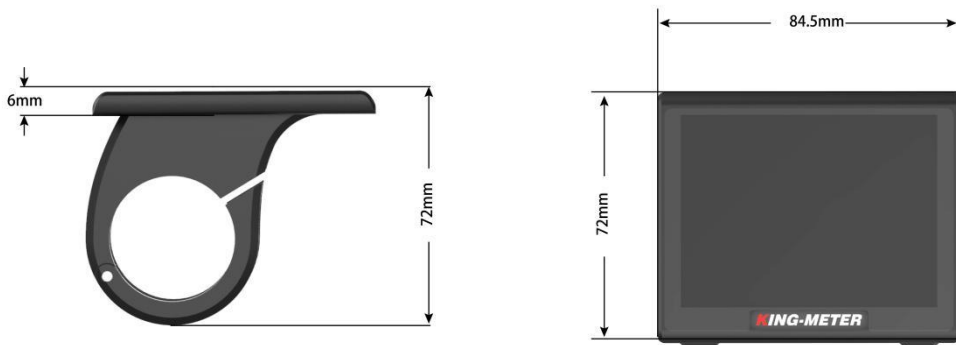
K5242-BLT is equipped with special button. N3 button can be installed on the left side of the handlebar or on the right side of the handlebar. N3 button is connected with the bottom lead of k5242-BLT display. Its dimension is as follows:
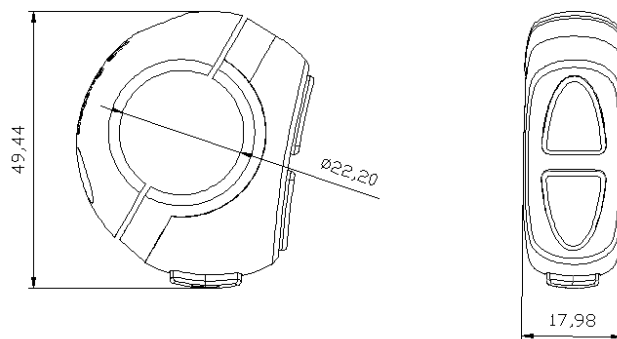
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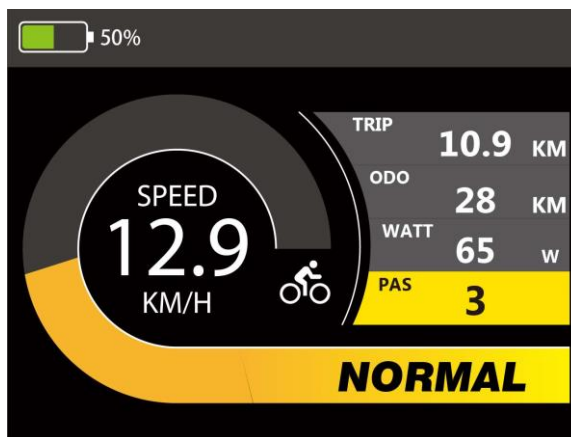## 2. Function and Button Definition

2.1 Function description

K5242-BLT provides you with a variety of function modes, to meet your riding needs.
Its functions are as follows:

◆Battery power indication

◆Motor power indication

◆Speed indication

◆Distance (including single trip distance and ODO display)

◆Single trip time indication

◆Walk assist indication

◆Backlight setting

◆Error code indication

◆Various setting parameters

◆Bluetooth connection & Navigation function

2.2 Normal Display Content

K5242-BLT Normal Display Interface

2.3 Button definition

There are 3 buttons on K5242-BLT, In the following introduction, [M] is named as "**MODE**". [△] is named as "**UP**" and [▽] is named as "**DOWN**".

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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 1μA.

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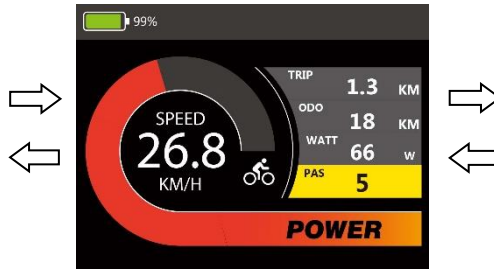
5.2 User interface

There are three display interfaces, including normal display interface, data statistics interface and

Navi interface. Long press "**UP**" + "**MODE**" button to switch from normal display interface to data

statistics interface; long press "**MODE**" button to switch back from data statistics interface to normal
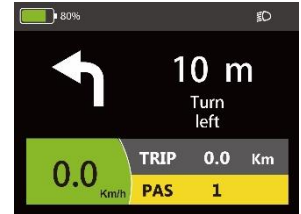
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display interface. Short press "**MODE**" button to switch to the Navi interface.

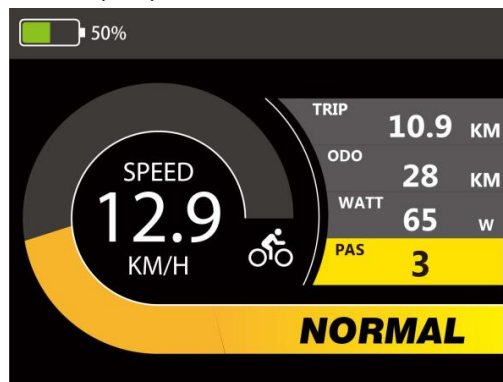Data statistics interface   Navi interface

Normal display interface

5.3 Normal display interface

The normal interface can be displayed when the display starts up normally. The interface can display real-time battery power, real-time speed (SPEED), single trip distance (TRIP), odometer (ODO), Motor Power output (WATT) and PAS level (PAS) of the E-bike.

Normal display interface

5.4 Data statistics interface

When the speed is 0, long press "**UP**" + "**MODE**" button to switch from the normal display interface to the data statistics interface.

The data statistics interface is used to calculate and display the data of single ride of E-bike. It includes riding time, riding distance, max speed, Avg Speed and linear statistical chart of single riding speed.

Long press "**MODE**" button or when E-bike has speed, the data statistics interface will switch to the normal display interface automatically.

Note: the maximum statistical time range of linear statistical chart is three hours, and the timing will re-start again after three hours.
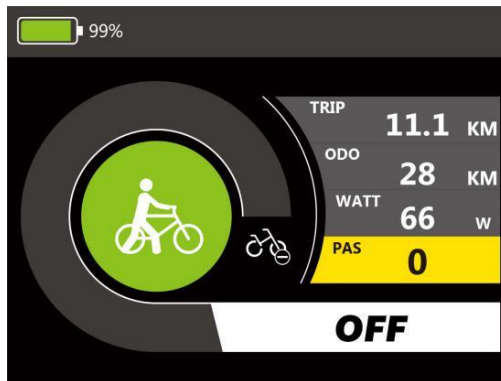
Data statistics interface

5.5 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.**

5.6 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 backlight and turn off the headlight.
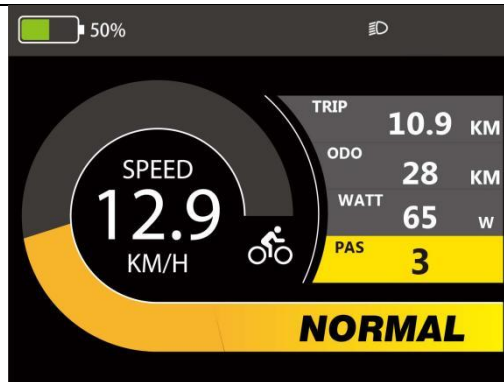
Headlight indicator

5.7 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 levels. Level 1 is the lowest output level, and the level 5 is the highest output power level of the motor. When the speed is surpass 15km/H, the speed meter will be full screen display.
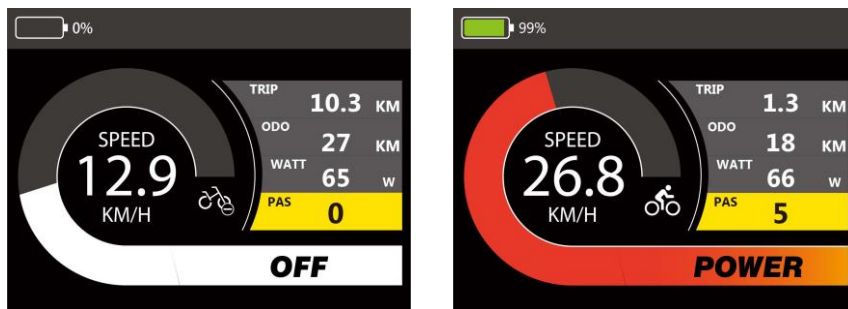
PAS level indicator

5.8 Battery Indicator

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

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Battery indicator

5.9 Output Power Indicator

The display can show the current output power of the motor. The indicator is shown in the figure below.
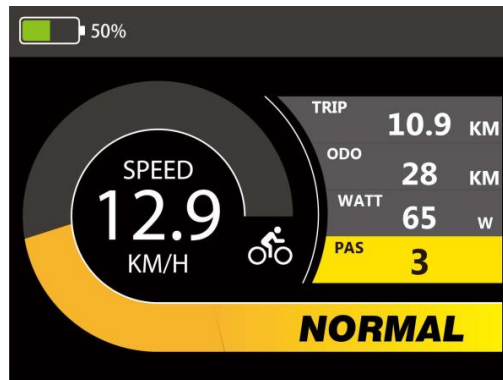
Output Power Indicator

5.10 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.
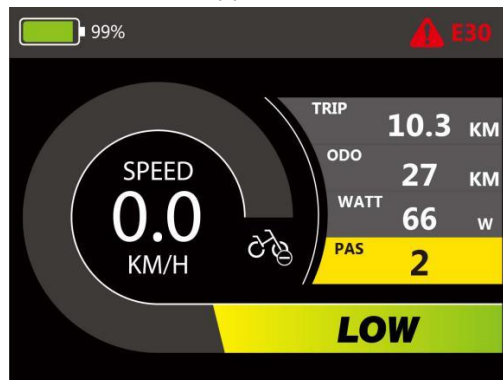
Error Code indicator

The fault can only be exited when the fault is eliminated, and the E-bike cannot continue to drive after a fault occurs.

6. User Settings

When there is no speed in the power on state, press and hold the "**UP**" and "**DOWN**" button at the

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same time for 2 seconds, and the display will enter the setting interface. Press "**UP**" or "**DOWN**" button to select display settings.

General Setting

Wheel Size Setting	◄
Speed Limit Setting	
Backlight Brightness	
Display Unit	
About	
Exit Setting	
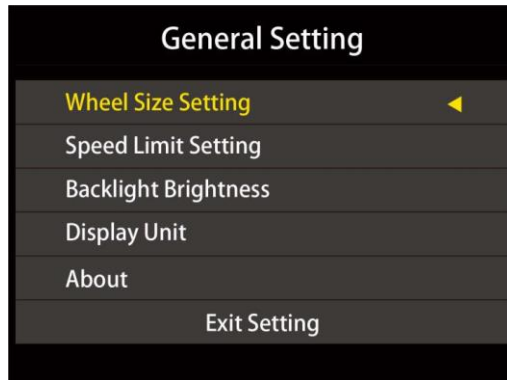
Setting list interface

6.1 Wheel Size Setting

Short press "**MODE**" button to enter the setting option. The settable values are: 16, 18, 20, 22, 24, 26, 700C, 27.5, 28 and 29 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. Long press "**MODE**" button to return to the setting list interface.

Wheel Size Setting
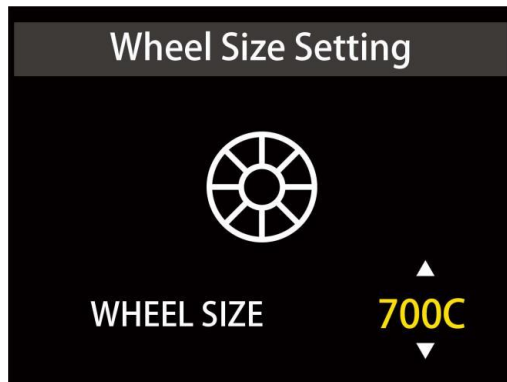
WHEEL SIZE ▲ 700C ▼

Wheel size setting interface

6.2 Speed Limit Setting

Short press "**MODE**" button to enter the setting option. The optional range of the maximum speed setting is 17Km/h to 45Km/h. It can be set by "**U**P" and "**DOW**N" button. Long press "**MODE**" button to return to the setting list interface.

Speed Limit Setting

MAX SPEED   32KM/H
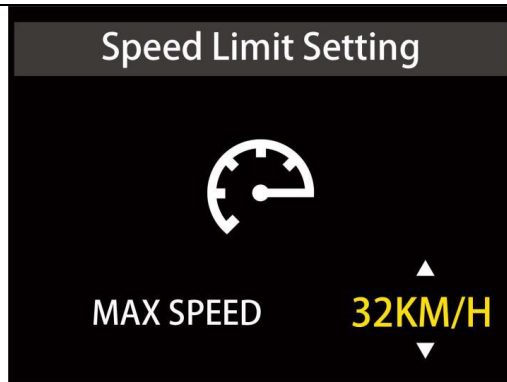
Speed limit setting interface

6.3 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 3. Long press "**MODE**" button to return to the setting list interface.

Wheel Size Setting

LIGHT LEVEL   3

Backlight brightness setting interface

6.4 Display Unit Setting

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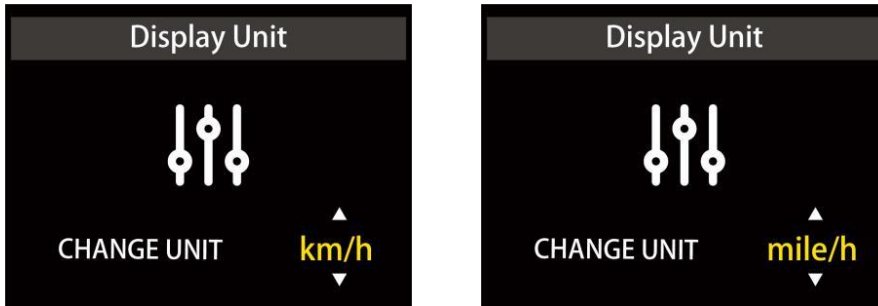
Display unit setting interface

6.5 Version Information Interface

Short press "**MODE**" button to enter the "About" interface, this interface shows manufacturer's name, software and hardware version number and other information, which is usable for later display maintenance.

Version information interface

6.6 Exit Setting

In the setting list interface, short press "**MODE**" button for saving the settings and exit the setting state. If there is no operation within one minute, the display will automatically exit the setting state.

6.7 Bluetooth Connection

In Bluetooth mode, the user need to install the APP "Tahuna" in the APP Store, When the display is powered on and the Bluetooth function of the mobile phone is turned on, log in to the APP for use. The bluetooth name of the display is: "BR2262e". Short press "**MODE**" button to enter the Navi interface.
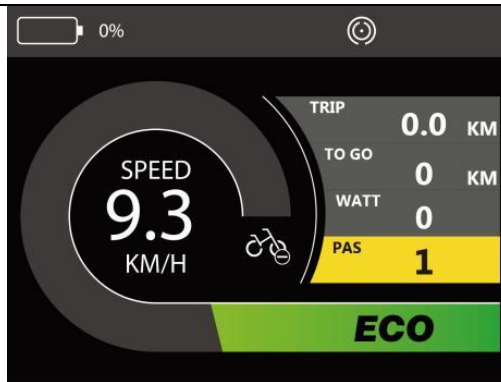
Bluetooth connection indicator
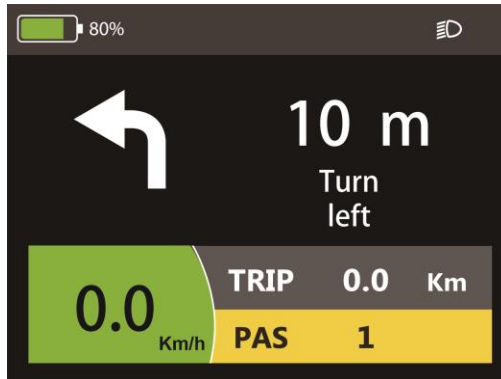
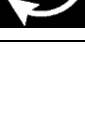Navi function interface

6.8 Navi Mode

The navigation mode can only be used when the Bluetooth function is turned on in the Navi interface. The display will show the current remaining distance and riding direction.

The instructions are as follows
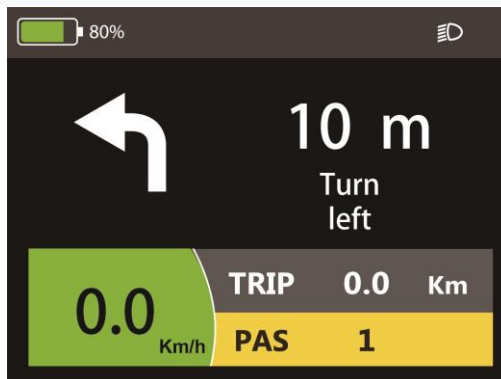
Position of the direction

Direction	Icon	Direction	Icon
No navigation		U-Turn	
Replanning		Arrived	
Turn Left		Turn Right	
Turn Sharp left		Turn Sharp Right	
Turn Slight Left		Turn Slight Right	
Roundabout		Roundabout, reversed	
Roundabout, Take first exit.		Roundabout, Take second exit.	
Roundabout, Take third exit.		Roundabout, Take fourth exit.	
Roundabout, Take fifth exit.		Roundabout, Take sixth exit.	
Roundabout, Take seventh exit.		Roundabout, reversed. Take first exit.	
Roundabout, reversed. Take second exit.		Roundabout, reversed. Take third exit.	
Roundabout, reversed. Take fourth exit.		Roundabout, reversed. Take fifth exit.	

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Roundabout, reversed. Take sixth exit.		Roundabout, reversed. Take seventh exit.	
Turn left, then left		Turn left, then right	
Turn left, then sharp left		Turn left, then sharp right	
Turn left, then slight left		Turn left, then slight right	
Turn right, then left		Turn right, then right	
Turn right, then sharp left		Turn right, then sharp right	
Turn right, then slight left		Turn right, then slight right	
Turn sharp left, then left		Turn sharp left, then right	
Turn sharp left, then sharp left		Turn sharp left, then sharp right	
Turn sharp left, then slight left		Turn sharp left, then slight right	
Turn sharp right, then left		Turn sharp right, then right	
Turn sharp right, then sharp left		Turn sharp right, then sharp right	
Turn sharp right, then slight left		Turn sharp right, then slight right	
Turn slight left, then left		Turn slight left, then right	

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Turn slight left, then sharp left		Turn slight left, then sharp right	
Turn slight left, then slight left		Turn slight left, then slight right	
Turn slight right, then left		Turn slight right, then right	
Turn slight right, then sharp left		Turn slight right, then sharp right	
Turn slight right, then slight left		Turn slight right, then slight right	

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.

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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.

10. 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.

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Appendix 1： Error Code Definition

Error Code	Definition
0x05	Throttle abnormal
0x07	Under voltage protection
0x08	Motor Hall abnormal
0x09	Motor phase cable failure
0x10	Controller high temperature protection
0x11	Motor high temperature protection
0x12	Current sensor failure
0x13	Battery temperature failure
0x14	Motor temperature sensor failure
0x15	Controller temperature sensor failure
0x21	Speed sensor failure
0x23	Headlight fault
0x24	headlight sensor failure
0x25	Torque sensor torque signal failure
0x26	Torque sensor speed failure
0x30	Communication failure

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