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USERS GUIDE

K5266 LCD

CONTENT

Preface

Dear User,

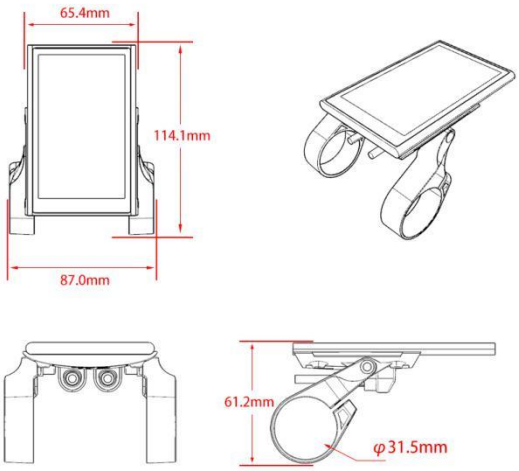
To ensure better performance of your e-bike, please read through the K5266 product introduction carefully before using it. We will use the brief words to inform you of all the details (including hardware installation, setting and normal use of the display) when using our display. Meanwhile, the introduction will also help you solve possible confusion and barriers.

1. Appearance and Size

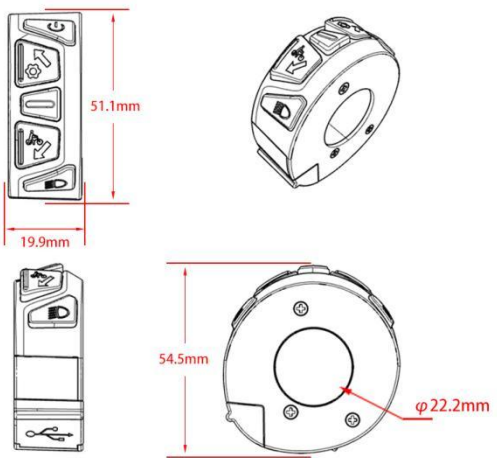
1.1 Main Materials and Colors

The K5266 Display housing is made of aluminum alloy and the display panel is equipped with 3.8mm hard glass., the working temperature scope of the housing material is -20℃—+60℃, the shell material can ensure normal use and good mechanical performance of the products.

Display Physical Picture & Dimensions (Unit: mm)



K5266 display is matched with a dedicated N5-U button, and the N5-U button shape is as follows:



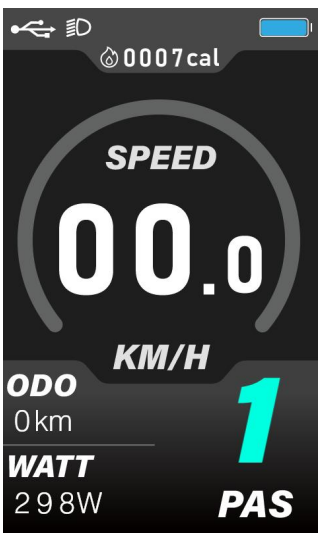
2. Function Summary and Button Definition

2.1 Function Summary

K5266 provides a variety of functions and displays to meet customer's riding needs.
Display content list as follows:

- Capacity of the battery
- Motor Output power display
- Speed display
- Distance display (Including single trip distance and Odometer display)
- Single Trip Time display
- 6km/h Walk assist function display
- Error Codes display
- Various Parameters Settings, for example: Wheel size, Speed limit, Battery Power, varis PAS levels and PAS parameters settings, start-up password, current limit etc.
- Restore default parameter function

2.2 Display Content



K5266 normal interface

2.3 Button Definition

There are 5 buttons on K5266 N5 remote, in the following introduction，  is named as “**POWER**”,  is named as “**UP**”,  is named as “**DOWN**”.  is named as “**MODE**”,  is named as “**HEADLIGHT**”.

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

Fix the display onto the handlebar and adjust to an appropriate visual angle when power off the E-bike, plug the connector of the display with the connector corresponding to the controller to complete the installation.

5. Normal Operation

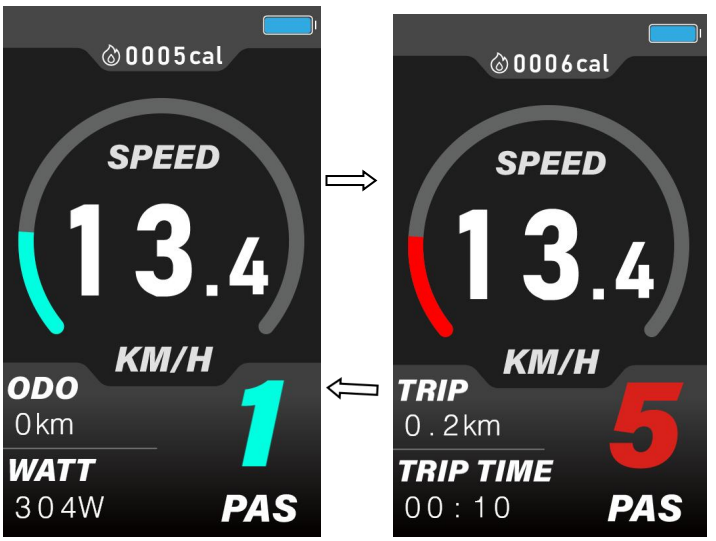
5.1 Power On/Off

Long press “**POWER**” button then the display will power on, starts to work and provides the power supply for the controller, and turn on the controller power lock .In power on state, long press “**POWER**” button to turn off the power supply of the e-bike. In power off state, the display no longer use the battery power. The leakage current is less than 1 uA.

If the E-bike has not been used for 10 minutes, the display will turn off automatically.

5.2 Display Interface

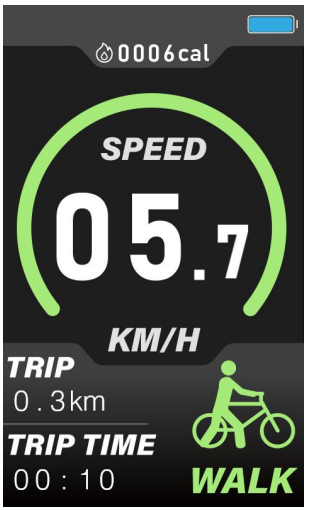
After the display is powered on, the display will show the current speed, ODO, Output Power(Watt) by default. Short press "**MODE**" button briefly to switch the display information to Single Trip mileage and Single Trip Time.



Display interface

5.3 Walk Assist Mode

Hold "**DOWN**" button for 2 seconds to enter the mode of walk assistant. The e-bike will go on at speed of 6 Km/h. The walk assist icon will shows on the top of the screen.



Walk Assist display interface

The walk assist mode can only be used when the user is pushing the E-bike. Do not use it when riding.

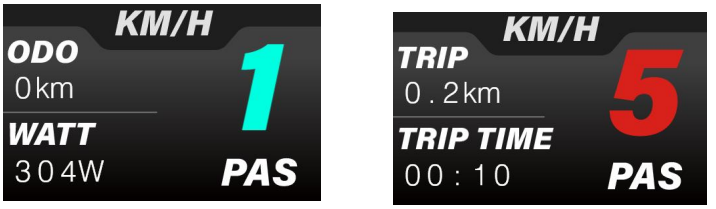
5.4 Headlight On/Off

Short press the “**HEADLIGHT**” button, the headlight indicator will be turned on, and the controller will be informed to turn on the headlight. Short press the “**HEADLIGHT**” button again to turn off the indicator of headlight and inform the controller to turn off the headlight.

Headlight on Interface

5.5 PAS Level Adjustment

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 range of PAS level is 1-5 levels. The level 1 is the lowest output level, and the level 5 is the highest output power level of the motor. The default start up level is level 1.



PAS Level display

5.6 Battery Power Display

When the battery voltage is high, the indicator of battery shows fully charged. When the battery is under voltage, the frame of battery indicator shows empty, indicating that the battery is seriously under voltage and needs to be charged immediately.

Battery Power Indicator

5.7 USB Charging Function

The N5-U remote connected to the display can provide charging power for the cell phone, with an output of 5VDC/1000mA.

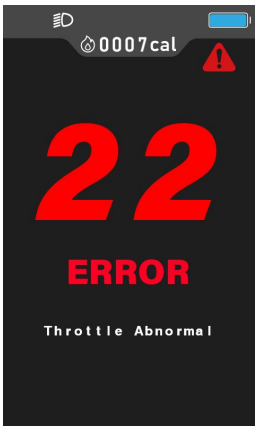
When the display is off, connect the phone charging cable with the USB port, turn the display on, the charging symbol on the screen lights up, indicating that it is charging function works; if the display is off at this time, the USB port turns off the phone charging function. In any state, unplug the phone, charging will be terminated automatically.

After turning on the display, connect the phone charging cable with the the phone and press [UP] + [MODE] + [DOWN] at the same time to activate the charging function.

USB Charging interface

6 Error Code

When the E-bike electric system fails, the display will automatically shows the error code. The display mode of the error code (see Appendix 1 for the error code table) is as follows:



Error code interface

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

7. User Settings

7.1 Preparation before starting

Ensure that the connectors are firmly connected and turn on the power of the e-bike.

7.2 Standard User Settings

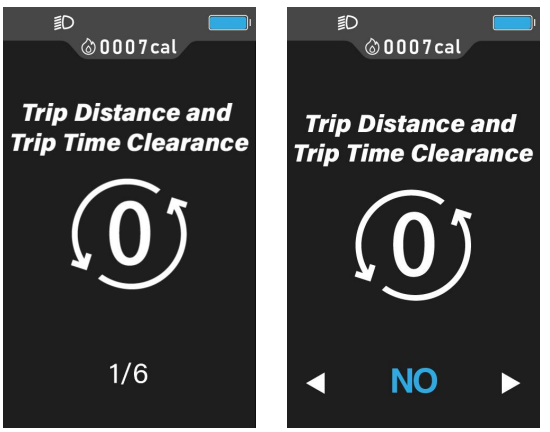
When there is no speed in the power on state, long press the “**UP**” button for 2 seconds, and the display will enter the setting interface. Press “**MODE**” button to enter the User Setting page, select display setting by pressing “**UP**” and “**DOWN**” . Short press “**MODE**” button to confirm and

enter the sub interface, then short press or long press "**MODE**" button to confirm the setting information to exit the sub interface, and long press "**MODE**" button in the setting interface to exit the setting state.

7.2.1 Single Trip Distance / Time Clearance

The setting parameters can be NO/YES. The default NO indicates that the single trip mileage is not cleared.. Select NO/YES by pressing "**UP**" or "**DOWN**",. Short press "**MODE**" button to confirm and exit this setting interface.

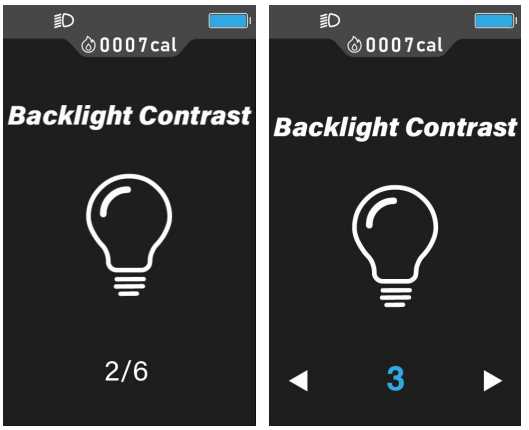
The single trip mileage and single trip time are cleared simultaneously.



Single Trip Clearance Interface

7.2.2 Backlight Setting

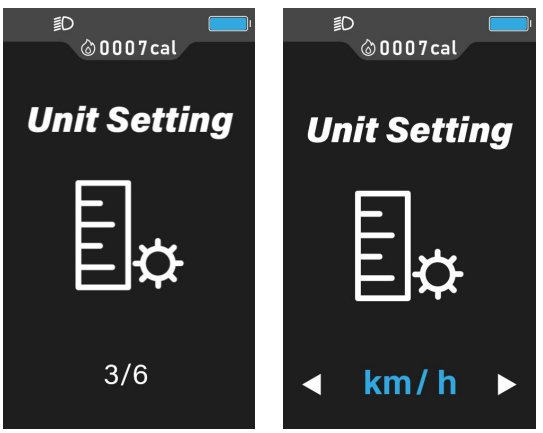
Backlight brightness parameters can be set to 1, 2 and 3. The parameters can be modified by short pressing the "**UP**" button or "**DOWN**" button. 1 is the darkest, and 3 is the brightest. Long press "**MODE**" button to confirm and exit the setting interface.



Backlight setting interface

7.2.3 Unit Setting (Imperial / Metric)

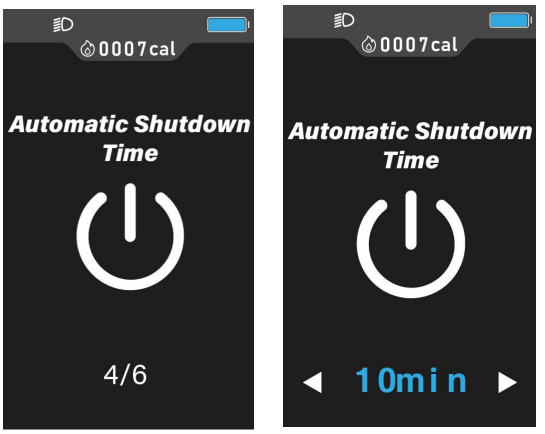
KM / MILE can be selected by pressing the "**UP**" button and "**DOWN**" button. The setting parameter is KM / MILE. "KM" indicates that the unit is metric system, and "MILE" indicates that the unit is Imperial system. When the speed unit is selected, the distance units "mile" and "km" also change along with it. Short press "**MODE**" button to confirm and exit to setting interface



Unit setting interface

7.2.4 Auto Off Time Setting

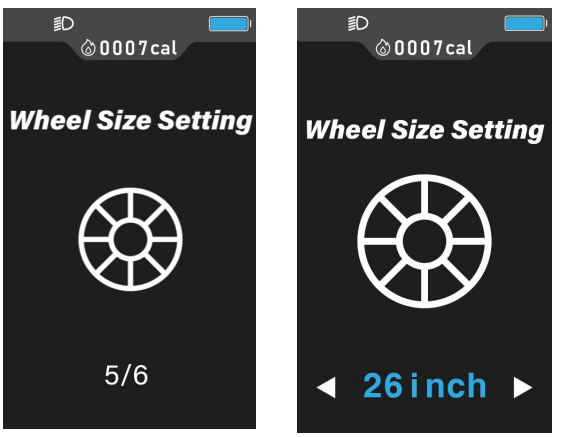
The user can press "**UP**" button and "**DOWN**" button to select the automatic shutdown time of the system. The setting range is 5 to 60min. short press "**MODE**" button to confirm and exit the setting page



Auto Off time setting

7.2.5 Wheel Size Setting

Input the password 0512 by pressing "**UP**" / "**DOWN**" button to enter the wheel size setting interface. The size value can be set include: 16inch, 18inch, 20inch, 22inch, 24inch, 26inch, 700C, 28inch. Select the corresponding wheel diameter by pressing "**UP**" / "**DOWN**" button to ensure the accuracy of speed and distance display. Short Press "**MODE**" button to confirm and exit the setting interface.

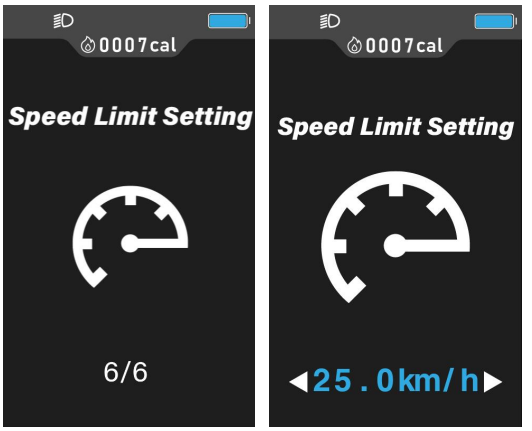


Wheel size setting interface

7.2.6 Speed Limit Setting

Input the password 0512 by pressing "**UP**" / "**DOWN**" button to enter the speed limit setting interface. changing this value can set the maximum speed of the E-bike. When the speed exceeds the set value, the controller will stop the power supply to the motor to protect the safety of the rider.

The speed limit setting value can be selected from 12km/h to 40km/h. It can be set by pressing “**UP**” / “**DOWN**” button. Short Press “**MODE**” button to confirm and exit the setting interface.



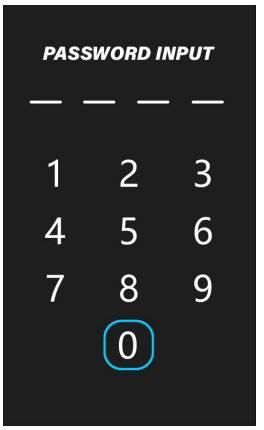
Speed limit setting interface

7.3 Personalized Parameter Settings

In order to improve the personalized use of this product, we specially added this setting. It can be set according to different requirements of users. This setting includes the setting of battery power, PAS level, current limit, PAS sensor, speed sensor, and system settings. There are 6 major settings.

Personalized Parameter Settings Interface

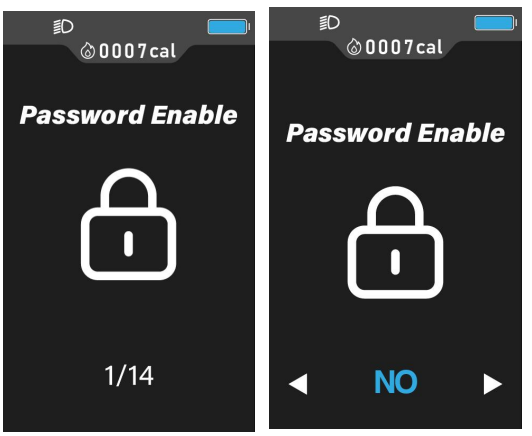
Short press “**MODE**” button to enter the password input interface. Briefly press “**MODE**” button to shift and enter a value by pressing “**UP**” / “**DOWN**” button. After entering the 4-digit password, short press “**MODE**” button to confirm. If the password is correct, enter personalized settings, otherwise stay in the password input state. Default password: 2962.



Password Input Interface

7.3.1 Start-Up Password Enable

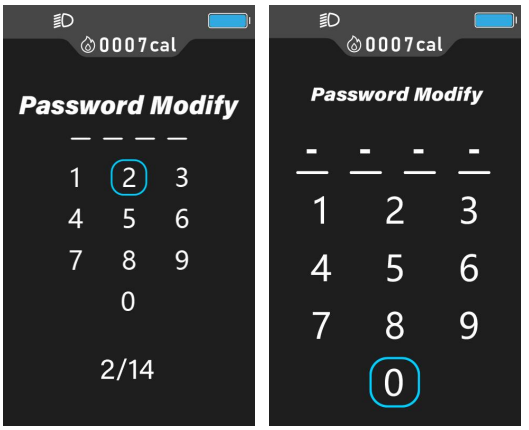
Select YES/NO by pressing "**UP**" / "**DOWN**" button. YES indicates that a power-on password is required, and NO indicates that a power-on password is not required. Short press "**MODE**" button to confirm and exit this setting interface.



Start-Up Password Enable Interface

7.3.2 Password Modify

Enter a value by pressing "**UP**" / "**DOWN**" button. After modification, long press "**MODE**" button to save and confirm to exit this setting interface.

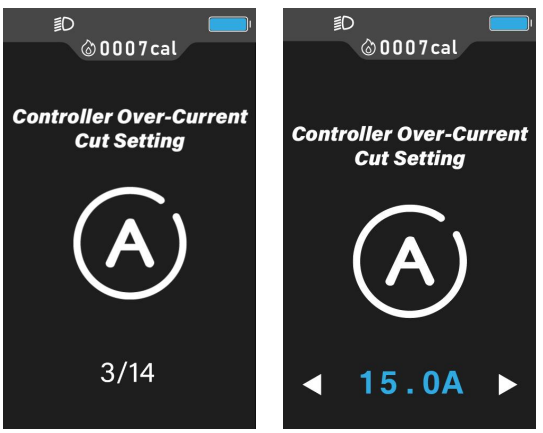


Start-Up Password Modify Interface

7.3.3 Current Limit Setting

The current limit can be set in the range of 0.5-31.5A. Press "**UP/DOWN**" button to change the maximum current value of the controller. Short press "**MODE**" button to confirm. The default value of the current limit is 15.0A.

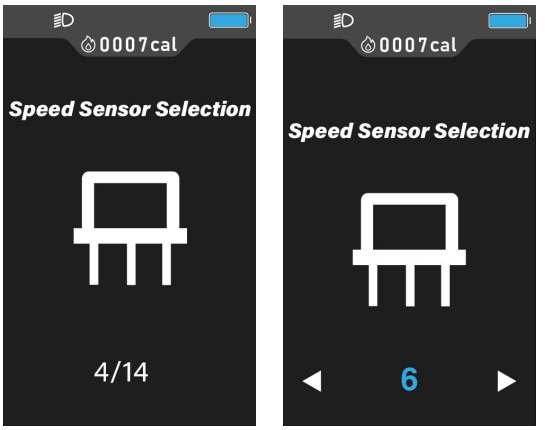
Depending on the hardware of the controller, the controller may not be able to reach the set value.



Current Limit Setting Interface

7.3.4 Speed Sensor Setting

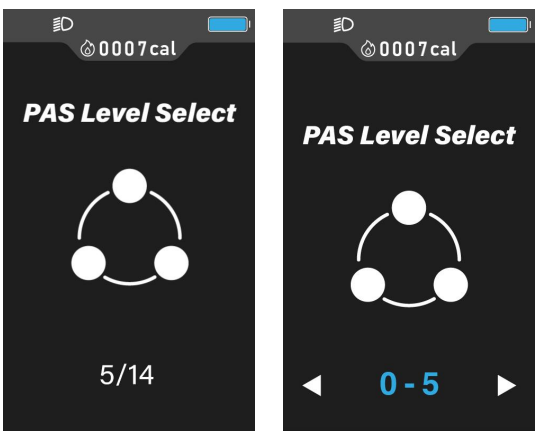
The value can be set according to the number of magnetic heads installed on the wheel of E-bike, the setting range is 1 to 9, Press "**UP/DOWN**" button to select the quantity of magnet, short press "**MODE**" button to confirm and return to personalize setting interface.



Speed sensor setting interface

7.3.5 PAS Level Setting

In Pedal Assistant Level Settings, there are 8 modes selectable: 0-3, 1-3, 0-5, 1-5, 0-7, 1-7, 0-9, 1-9. Press “**UP/DOWN**” button to select the mode, and short press “**MODE**” button to confirm.

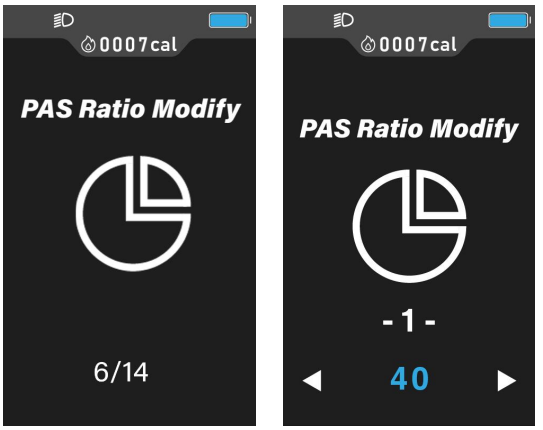


PAS Level setting

7.3.6 PAS Ratio Setting

The speed of each level can be adjusted by setting the assist proportion value to meet the different requirements for riders.

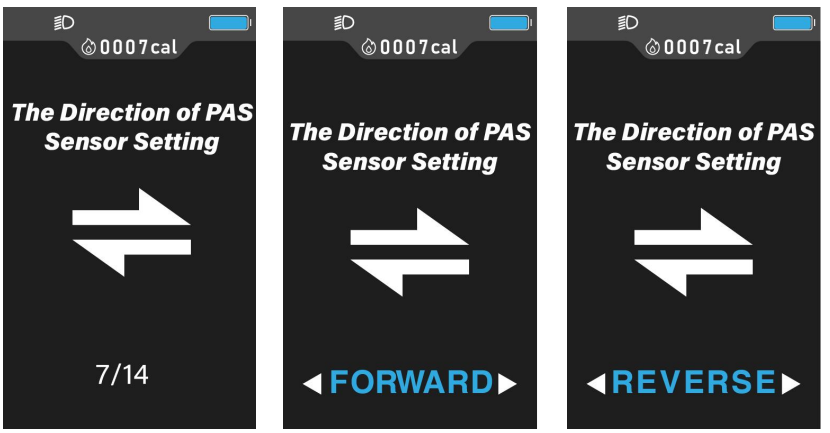
Take the 1 level for example, "40%" is the default value of the first level (40% output power), which can be set. Pressing “**UP/DOWN**” button to modify, short press “**MODE**” button to confirm and enter the next assist level ratio setting. After setting, long press “**MODE**” button to confirm and return to personalize setting interface.



PAS ratio setting interface

7.3.7 Direction Setting of PAS Sensor

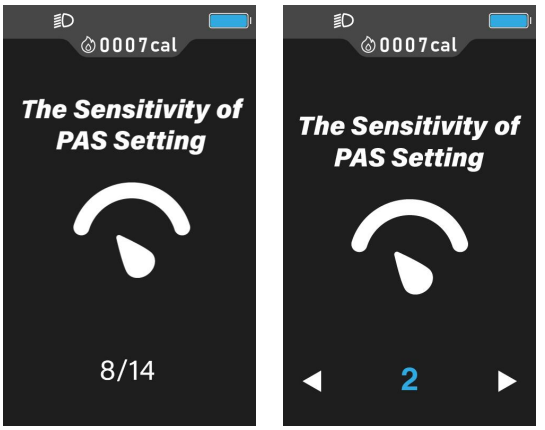
"Forward" on the screen means forward direction, "Reverse" means backward direction. Press "**UP/DOWN**" button to switch, and short press "**MODE**" button to confirm and return to personalize setting interface. .



Direction setting interface of PAS Sensor

7.3.8 Sensitivity Setting of PAS Sensor

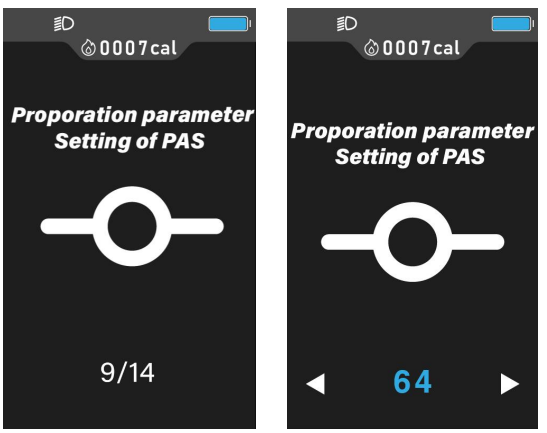
The setting range is 2 to 9. 2 is the highest sensitivity, 9 is the lowest. Press "**UP/DOWN**" button to select sensitivity value, and short press "**MODE**" button to confirm and return to personalize setting interface.



Sensitivity setting interface of PAS Sensor

7.3.9 PAS Sensor Proportion Parameter Setting.

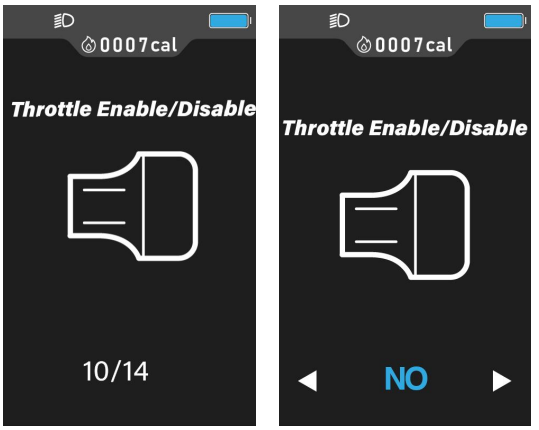
The proportion parameter setting value of the PAS sensor can be selected by pressing "**UP/DOWN**" button. The higher the value, the more obvious the sense of assistance. Short press "**MODE**" button to confirm and return to personalize setting interface.



Proportion Parameter setting interface of PAS Sensor

7.3.10 Throttle Walk Assist Enable Setting

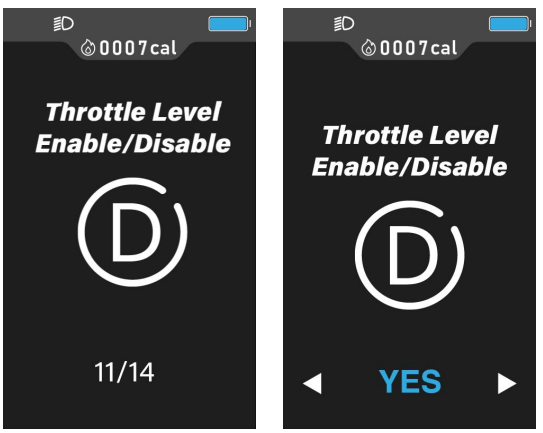
"NO" means throttle walk assist function disabled, "YES" means function enabled. When function enabled, throttle can control the function of Walk assistant. Press "**UP/DOWN**" button to select "YES/NO", and short press "**MODE**" button to confirm the selection and return to personalize setting interface.



Throttle walk assist enable setting interface

7.3.11 Throttle Level Enable Setting

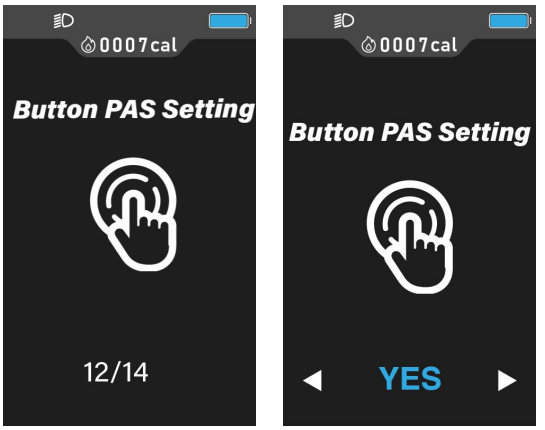
"Yes" means throttle level enabled, "NO" means throttle level disabled. When function enabled, press throttle to change the running speed, the maximum speed can only reach the speed corresponding to the level shown on the display. When function disabled, press throttle, it is not limited by the level shown on the display, and can reach the rated maximum speed. Press "**UP/DOWN**" button to select "YES/NO", and short press "**MODE**" button to confirm the selection and return to personalize setting interface.



Throttle level enable setting interface

7.3.12 Walk Assist Function Button Enable Setting

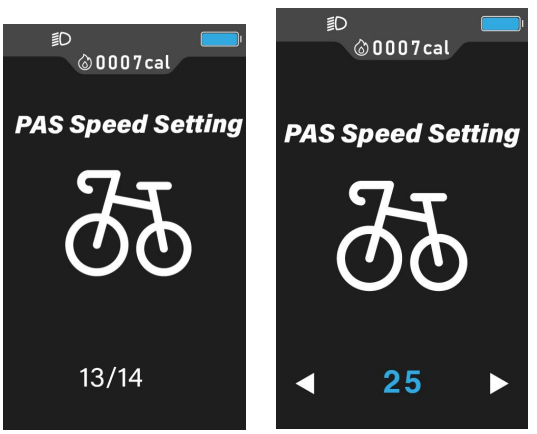
It can be switched by pressing "**UP/DOWN**" button. "YES" is enable. When function enabled, long press "**DOWN**" button to activate the walk assist function, "NO" is disabled, it means button walk assist function disabled. Short press "**MODE**" to confirm and enter the walk assist speed setting.



Walk assist function button enable setting interface

7.3.13 Walk Assist Speed Setting

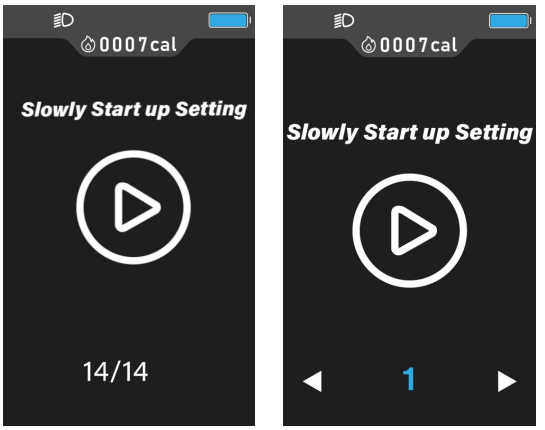
The speed of walk assist mode can be adjusted by setting the value of walk assist speed. To meet the needs of different riders. The value can be adjusted by pressing "**UP/DOWN**" button. The setting range is 10-100%. Short press "**MODE**" button to confirm. The default value is 25 (25% output power).



Walk assist speed setting interface

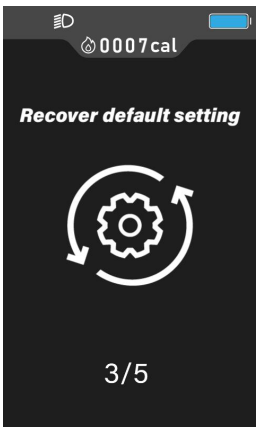
7.3.14 Slow Start Setting

The setting range is 1-4, and 4 represents the slowest. It can be selected by pressing "**UP/DOWN**" button. Long press "**MODE**" button to confirm exit the settings. The default value is 1.



Slow start setting interface

7.4 Restore Default Settings

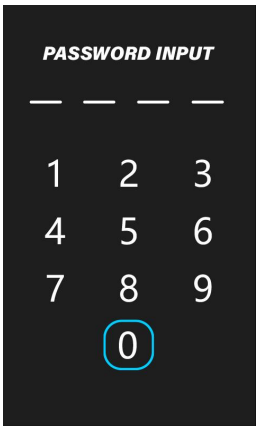


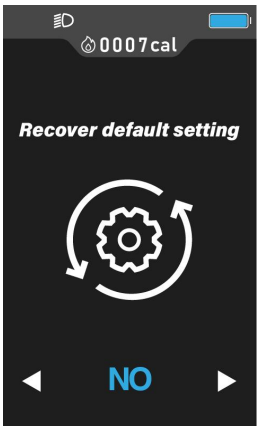
Restore default settings interface

A password 0368 is needed to restore the default settings.

Short press "**MODE**" button to shift and enter a value by pressing "**UP**" / "**DOWN**" button.Short press "**MODE**" button again to confirm Yes. The display is shown in the following figure. When the display shows DEF:00, it indicates that the default is successfully restored and the system automatically exits.

In restoring the default settings, the battery power value, Odometer, and single trip mileage are not restored. The start-up password is also being restored.

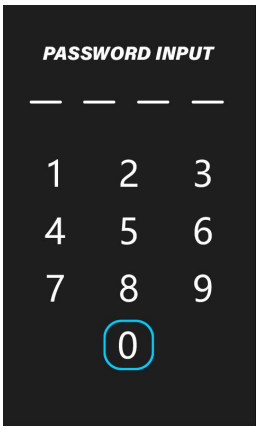




7.5 System Setting

System Setting Interface

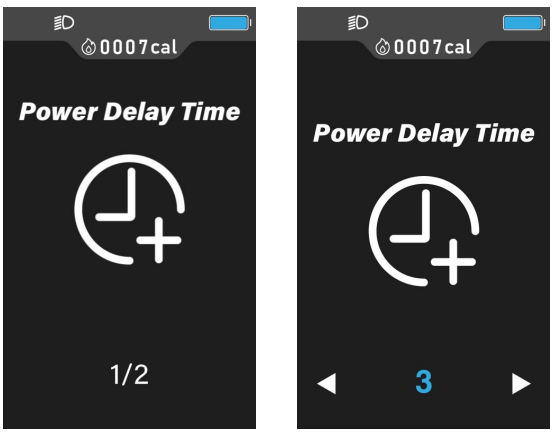
Short press “**MODE**” button to shift and enter a value by pressing “**UP**” / “**DOWN**” button. After entering the 4-digit password, short press “**MODE**” button to confirm. If the password is correct, enter the display system setting item selection interface, otherwise stay in the password input state. The password for system setting is: 2962.



System Setting Password Input Interface

7.5.1 Battery Delay Setting

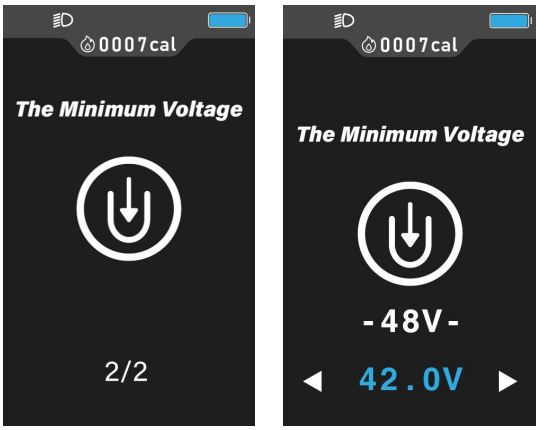
The power delay time can be selected by pressing "**UP**" / "**DOWN**" button. Setting range is 0-30s. Short press"**MODE**" button to confirm. The factory default value is 3s. Short press "**MODE**" button to confirm and exit this setting interface.



Battery Delay Setting Interface

7.5.2 Low Battery Voltage Setting

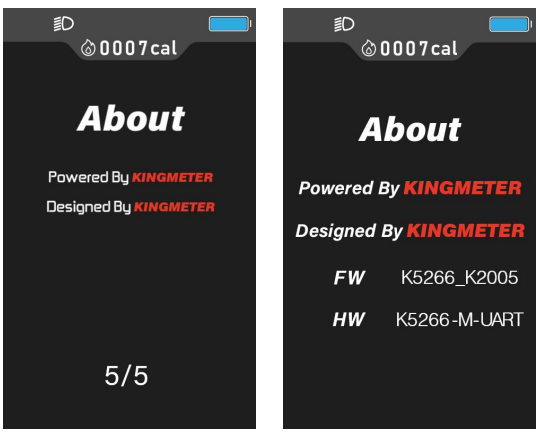
The Low Battery voltage value can be selected by pressing "**UP**" / "**DOWN**" button, you can select the voltage with the lowest battery charge to ensure the accuracy of the system power display. Short press "**MODE**" button to confirm and exit this setting interface.



Low Battery Voltage Setting Interface

7.6 About Interface

After entering this interface, you can view information such as the hardware and software version of the display, making it convenient to quickly and accurately find relevant information during later maintenance.



About Interface

7.7 Exit Settings

In the parameter setting interface, short press "**MODE**" button to save and exit the current setting interface, long press "**MODE**" button to save the setting value and go back to Upper level settings.

If no operation is performed within one minute, the display will automatically exit the setting state.

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.

10. Version

This Users Guide is prepared for general-purpose software (V1.0) of Tianjin King-Meter Electronic Co., Ltd. The version of software used on some bikes may be slightly different, which should depend on the actual version in use.

Appendix 1: Error Code Definitions

Error Code	Definition
21	Current abnormal
22	Throttle fault
23	Motor phase problem
24	Motor Hall signal fault
25	Brake abnormal
30	Communication failure
31	Switch button sticky
34	6km Walk assist button sticky

Appendix 2: Password Table

No	Item	Password
1	Wheel Size & Speed Limit setting Password (Fixed)	0512
2	Personalized Parameter Setting Password (Fixed)	2962
3	Restore Default Settings Password (Fixed)	0368
4	Start-up Password	Default:1234

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