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User Instructions

Dear user, to better operate your electric vehicle, please read the K5351 meter instructions carefully before use. We will use the most concise language to explain every aspect of using the meter, including hardware installation, settings, and normal operation. At the same time, we will help you solve any possible confusions or obstacles.

1. Appearance Dimensions

1.1 Main Materials and Colors

The K5351 product uses black PC material. The shell material allows normal use in temperatures from -20°C to 60°C and ensures good mechanical performance.



2.3 Button Definitions

The K5351 meter has five buttons.

The power button:



The mode button:



The up button:



The down button:



The headlight button:



3. User Precautions

Pay attention to safety during use, and do not plug or unplug the meter while powered on.

Avoid bumping the meter as much as possible.

The meter uses a waterproof film; please do not tear it off, as it may affect the meter's waterproof performance.

Regarding the meter's background parameter settings, please do not change them arbitrarily, otherwise normal riding cannot be guaranteed.

If the meter cannot be used normally, it should be sent for repair as soon as possible.

4. Installation Instructions

Fix the meter on the handlebar and adjust to a suitable viewing angle. With the electric bicycle powered off, connect the meter's connector to the corresponding controller connector to complete the installation.

5. User Settings

5.1 Power On/Off

Long press [Power] to start the meter and provide power to the controller. In the powered-on state, long press [Power] to turn off the electric vehicle power. In the powered-off state, the meter no longer uses battery power, and the meter's leakage current is less than 1uA.

If the electric vehicle is not used for more than 10 minutes, the meter will automatically shut down.

5.2 Normal Display Interface

The meter powers on normally to display the normal interface. This interface shows real-time battery level, real-time speed (SPEED), trip mileage (TRIP), total riding mileage (ODO), assist gear (PAS). Short press [MODE] to switch to average speed (AVG SPEED), maximum speed (MAX SPEED), trip time (TRIP TIME), power (WATT).

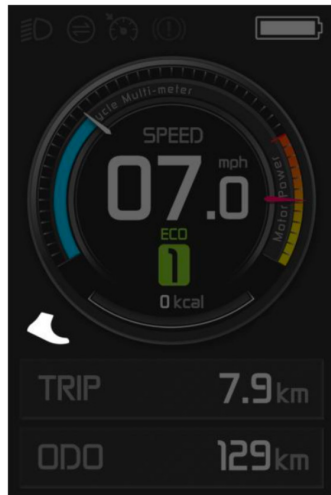
Normal display interface:



5.3 Assist Push

Hold [DOWN] for 2 seconds, and the electric vehicle enters electric assist push mode. The electric vehicle travels at a constant speed of 6 km/h. The meter defaults to no assist push, which can be adjusted through settings.

Assist push display:

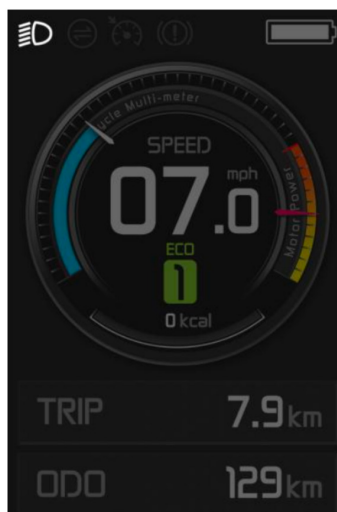


The assist push function can only be used when pushing the electric vehicle; do not use it while riding.

5.4 Turn On Headlight

Short press [Headlight] to turn on the meter headlight and notify the controller to turn on the front light. Short press [Headlight] again to turn off the meter headlight and notify the controller to turn off the front light.

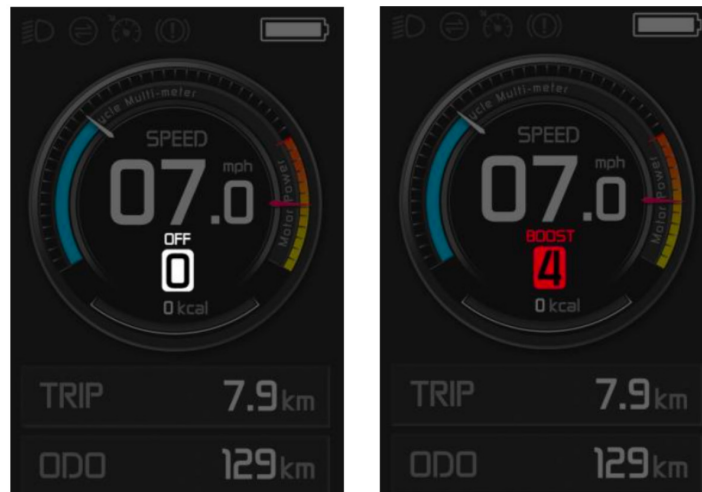
Headlight display:



5.5 Assist Gear Selection

Short press [UP] or [DOWN] to switch the electric vehicle's assist gear and change the motor output power. The meter default output power range is 0-4 gears.

Assist gear selection interface:



5.6 Battery Display

The meter battery has five bars total. When the meter is under-voltage, the battery displays red flashing; when fully charged, it shows white full bars.

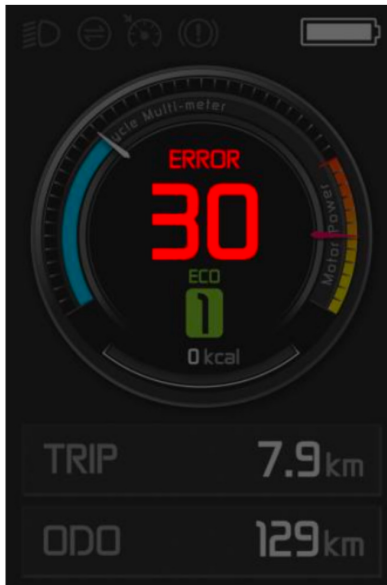
Battery display:



5.7 Error Code Display

When the electric vehicle's electronic control system fails, the meter will automatically display an error code. For detailed error code definitions, see Appendix 1.

Error code display:

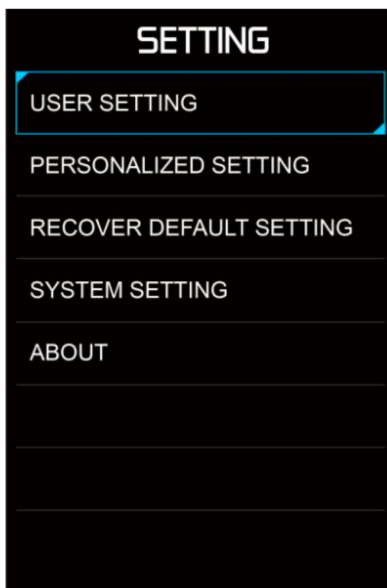


The fault display interface can only be exited when the fault is resolved; after a fault occurs, the electric vehicle cannot continue riding.

6. General Settings

In the powered-on state, with no speed, hold [UP] and [DOWN] for 2 seconds to enter the settings state. In the settings list interface, short press [UP] or [DOWN] to switch setting items.

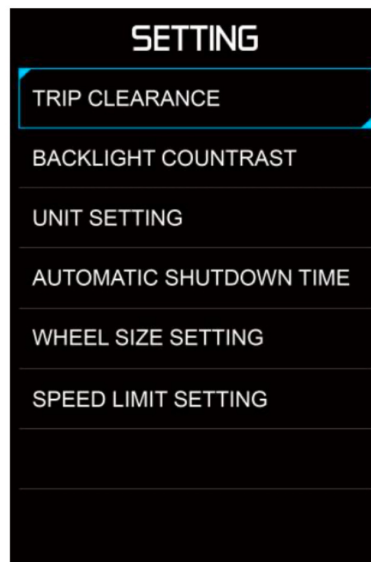
Settings interface:



6.1 User Settings

Short press [MODE] to enter the setting items. In the settings list interface, short press [UP] or [DOWN] to switch setting items.

User settings interface:



6.1.1 Trip Clearance

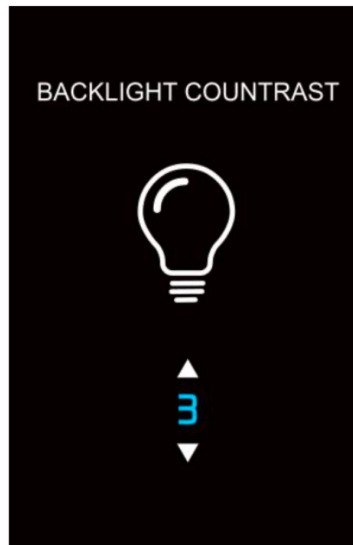
Short press [MODE] to enter the setting item. In the settings interface, short press [UP] or [DOWN] to switch between YES and NO. Long press [MODE] to exit the setting item. YES means clear trip mileage, NO means do not clear.

TRIP clearance interface:



6.1.2 Backlight Brightness Setting

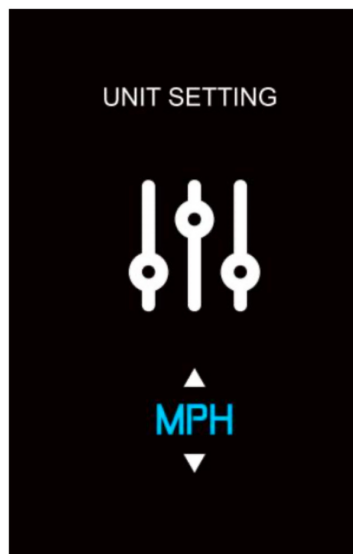
Short press [MODE] to enter the setting item. In the settings interface, short press [UP] or [DOWN] to switch backlight brightness levels. Long press [MODE] to exit the setting item. Backlight levels adjustable 1-3, brightness increases with the number. Backlight brightness setting interface:



6.1.3 Unit Setting (KM/H or MPH)

Short press [MODE] to enter the setting item. In the settings interface, short press [UP] or [DOWN] to switch units. Long press [MODE] to exit the setting item. There are two options: KM/H and MPH.

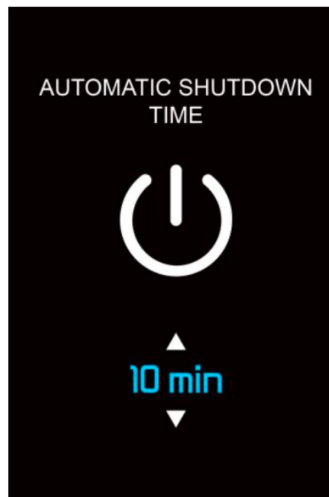
Unit setting interface:



6.1.4 Automatic Shutdown Time Setting

Short press [MODE] to enter the setting item. In the settings interface, short press [UP] or [DOWN] to switch automatic shutdown time. Long press [MODE] to exit the setting item. Setting range is 0-60min, 0min means no shutdown.

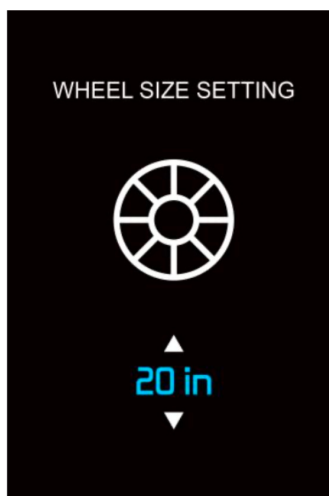
Automatic shutdown setting interface:



6.1.5 Wheel Size Setting

Short press [MODE] to enter the setting item. In the wheel size setting interface, short press [UP] or [DOWN] to select the corresponding wheel size number, long press [MODE] to exit the setting item. Settable values: 16inch, 18inch, 20inch, 22inch, 24inch, 26inch, 700C, 27.5, 28inch.

Wheel size setting interface:

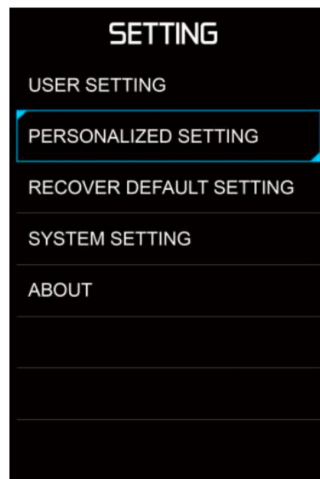


6.1.6 Speed Limit Setting

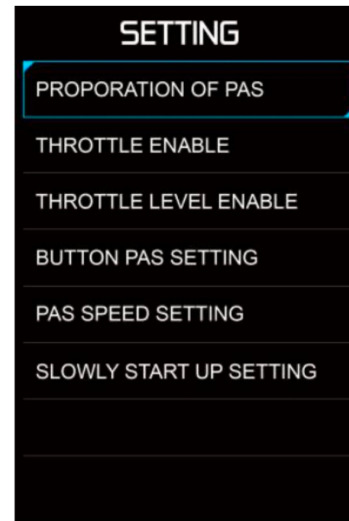
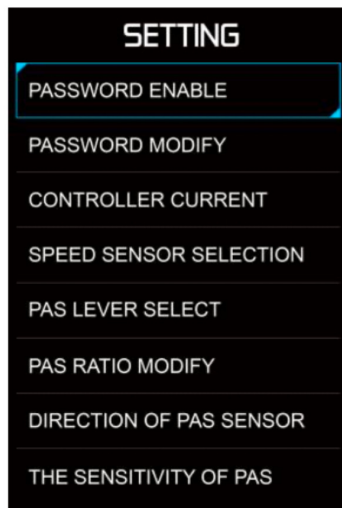
Short press [MODE] to enter the setting item. In the wheel size setting interface, short press [UP] or [DOWN] to select the corresponding speed limit value, long press [MODE] to exit the setting item. Setting range is 20-51km/h. (12-31Mph)
Speed limit setting interface:



6.2 Personalized Parameter Settings



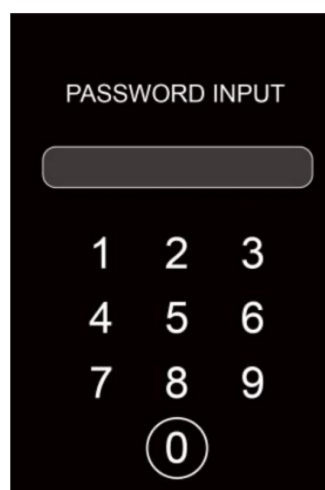
Short press [MODE] to enter the personalized parameter setting items list.
Short press [MODE] to enter the setting item.



6.2.1 Password Enable Setting

After entering password 1234, short press [MODE] to confirm the password and enter the setting item. In the settings interface, short press [UP] or [DOWN] to switch between YES and NO, YES means enable power-on password function, NO means disable power-on password function. Long press [MODE] to exit the setting item.

Password enable setting interface:



6.2.2 Password Modify Setting

This setting can only be accessed after the power-on password function is enabled. After entering password 1234, short press [MODE] to enter the password modification interface. In the interface, short press [UP] or [DOWN] to select a new password, after entering the four-digit password, long press [MODE] to exit and save the new password.

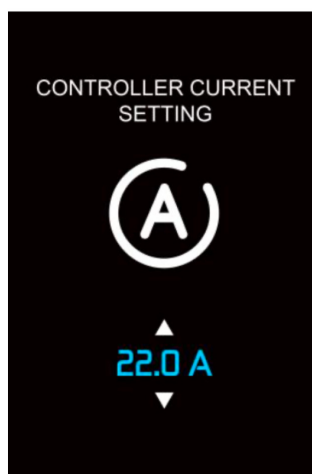
Note: After modifying the password, entering this setting item again requires the modified password; the default password 1234 cannot be entered.

Password modify setting interface:



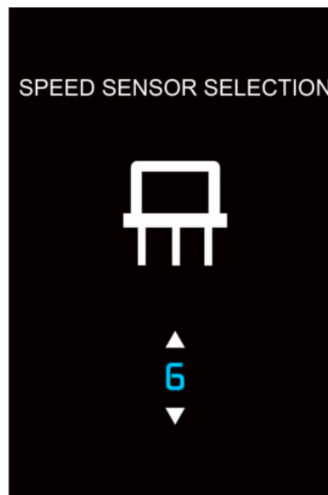
6.2.3 Controller Current Settings

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the current limit value, current limit range: 1-35, long press [MODE] to exit and save changes.



6.2.4 Speed Sensor Selection Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the value, long press [MODE] to exit and save changes. Range 1-15.



6.2.5 PAS Level Select Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to select the gear range, long press [MODE] to exit and save changes. Available gears: 0-3,1-3,0-4,1-5,0-7,1-7,0-9,1-9.



6.2.6 PAS Ratio Modify Setting

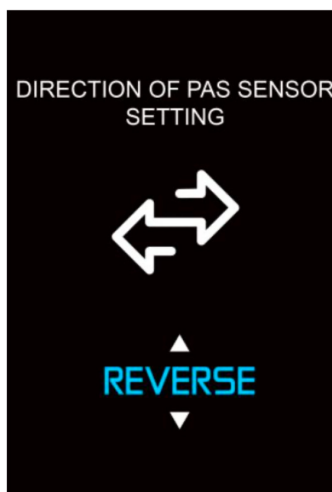
Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to increase or decrease efficiency, short press [MODE] to switch gears and set each gear's efficiency sequentially. Long press [MODE] to exit and save changes.



6.2.7 Direction Of Pas Sensor Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to switch direction, long press [MODE] to exit and save changes. Forward for forward, reverse for reverse.

PAS sensor direction setting interface:



6.2.8 The Sensitivity Of Pas Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the value, long press [MODE] to exit and save changes. Adjustable range 2-9.

PAS sensitivity setting interface:



6.2.9 Proportion Parameter Setting Of Pas

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to add or subtract proportion, long press [MODE] to exit and save changes. The larger the value, the more obvious the assist.

PAS proportion parameter setting interface:



6.2.10 Throttle Enable/Disable Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to select YES or NO, long press [MODE] to exit and save changes.

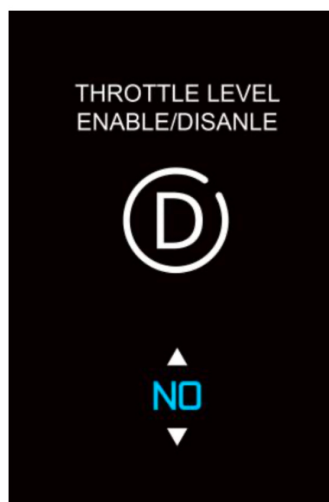
Throttle enable/disable setting interface:



6.2.11 Throttle Level Enable/Disable Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to select YES or NO, long press [MODE] to exit and save changes.

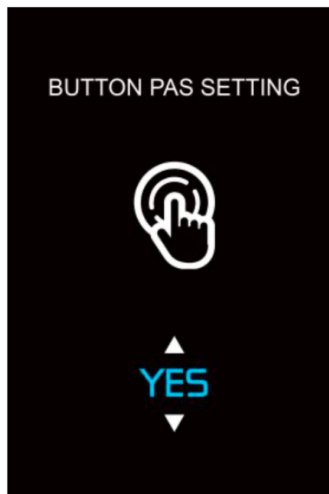
Throttle level enable/disable setting interface:



6.2.12 Button Pas Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to select YES or NO, long press [MODE] to exit and save changes. YES means enable 6KM, NO means disable 6KM.

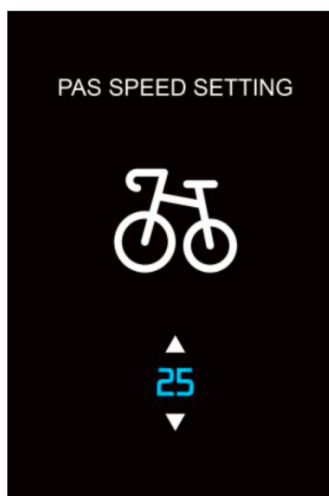
Button pas setting interface:



6.2.13 Pas Speed Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the value, long press [MODE] to exit and save changes. Range 0-100, larger means faster.

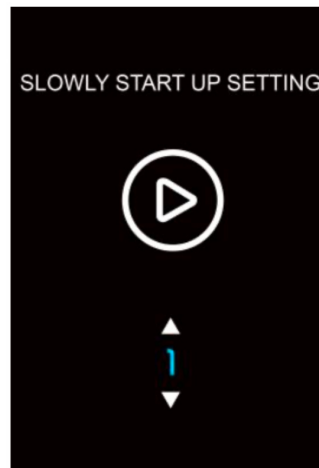
Pas speed setting interface:



6.2.14 Slowly Start Up Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the slow start value, long press [MODE] to exit and save changes. Range 1-4, larger means slower.

Slowly start up setting interface:



6.3 Recover Default Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to select YES or NO, long press [MODE] to save and exit to recover factory settings. YES means recover factory settings, NO means do not recover.

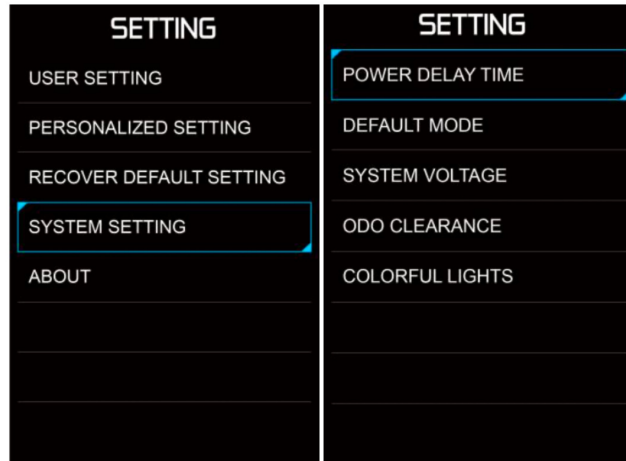
Recover default setting interface:



6.4 System Settings

Short press [MODE] to enter the setting item.

System settings:



6.4.1 Power Delay Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the power delay time, long press [MODE] to exit and save changes. Range 3s, 6s, 12s.

Power delay setting:



6.4.2 Default Mode Setting

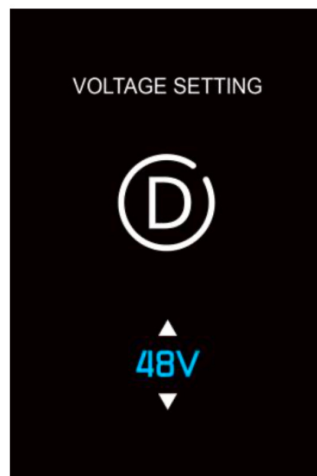
Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the position of TRIP, ODO, TRIP TIME, AVG SPEED, MAX SPEED, WATT on the main interface, short press [MODE] to switch to the next module, long press [MODE] to exit and save changes.

Default mode setting:



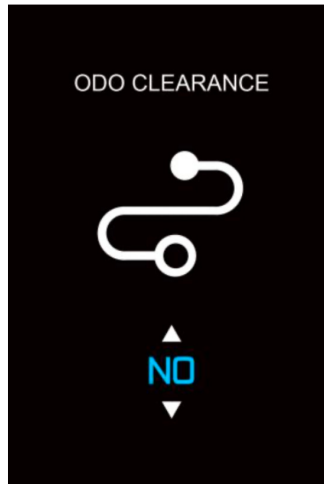
6.4.3 System Voltage Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the parameter, long press [MODE] to exit and save changes. Range 36V, 48V, 60V, system default 48V.



6.4.4 ODO Clearance Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust YES or NO, YES means odo clear, no means odo not clear, long press [MODE] to exit and save changes.



6.4.5 Colorful Lights Setting

Short press [MODE] to enter the setting item. In the interface, short press [UP] or [DOWN] to adjust the flowing light color, long press [MODE] to exit and save changes. Adjustable options: OFF, RED, GREEN, BLUE, PURPER, ORANGE, CYAN, PURPER, FLASH, SLOW. Meter default is OFF off.
Ambient light color setting



6.5 Version Information Interface (About)

Short press [MODE] to enter the setting item. This interface displays company name, software and hardware version numbers, etc., for later meter maintenance.
Version information interface:



7. Pre-Power-On Preparation

Before using the meter, please read the user manual carefully before proceeding.

8. Questions

Q: Why can't it power on?

A: Check if the battery power is turned on or if the external lead is broken.

Q: How to handle meter displaying fault code?

A: Go to the electric vehicle repair point for repair promptly.

9. Quality Assurance and Warranty Terms

I. Warranty Information:

1. For faults caused by product quality issues under normal use, the company will provide limited warranty within the warranty period.
2. The product's warranty period is 24 months from the meter's factory date.

II. The following situations are not covered by warranty:

1. Shell opened
2. Connector damaged
3. After leaving the factory, shell scratched or damaged
4. Meter lead scratched or broken
5. Faults or damages caused by force majeure (such as fire, earthquake, etc.) or natural disasters (such as lightning, etc.)
6. Product beyond warranty period

10. Version Number

This meter's user manual is the operation manual for Tianjin King-Meter Technology Co., Ltd.'s general software version (V1.0 version). Some vehicle meters may have slight differences from this manual; the actual version used shall prevail.

Appendix 1: Error Code Definition Table

Code	Definition
0x21	Current abnormality
0x22	Throttle abnormality
0x23	Motor phase loss
0x24	Motor Hall abnormality
0x25	Brake abnormality
0x26	Battery no communication alarm
0x27	Motor high temperature alarm
0x28	Controller high temperature alarm
0x29	PAS sensor fault alarm
0x30	Controller and meter fault alarm
0x31	Power key stuck fault alarm
0x34	6KM function key stuck fault alarm