USERS GUIDE

LCD–X3

Version：**V2.1**

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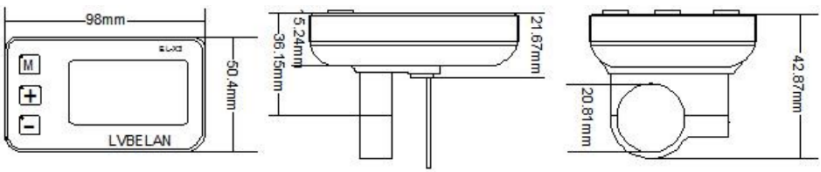
About the user manual

Dear users, in order to better operate your electric car , please read the LCD-X3 V2.1 instrument manual carefully before use. We will tell you every aspect of the instrument use in the most concise language, including hardware installation and setting to the normal use of the instrument. At the same time, it helps you to solve the confusion and obstacles that may arise.

Main material and color

The LCD-X3 V2.1 product uses PC material. The shell material is allowed to be at -20℃
It can be used normally at a temperature of 60℃,
and good mechanical properties can be guaranteed.

Appearance size chart



Function overview and button definition

Functional Overview

LCD-X3 V2.1 provides you with multiple functions and displays to meet your riding needs. You can charge your mobile phone while you are riding;

The contents displayed are:

◆Power display

◆Motor power display

◆Speed display (including real-time speed display, maximum speed display and average speed

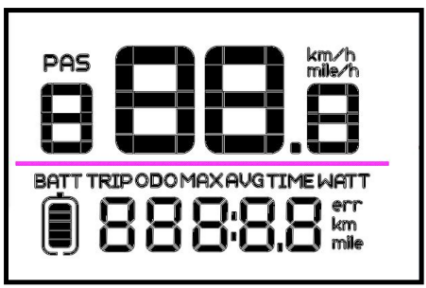
Degree display)

◆ Mileage display (including single mileage display and total mileage display)

◆Backlight on

◆Error code display ◆Multiple setting parameters

Normal display area



Normal display interface

Note for users

Pay attention to safety during use, and do not plug or unplug the meter when it is powered on. Try to avoid bumping the instrument.

The film used by the meter is a waterproof film, please do not tear it, so as not to affect the water resistance of the meter can.

Regarding the background parameter setting of the instrument, please do not change it at will, otherwise it cannot be guaranteed.

Ride often.

When the meter cannot be used normally, it should be repaired as soon as possible.

Installation Notes

Fix the instrument on the handlebar and adjust the viewing angle. When the electric bicycle is powered off, just plug the connector of the instrument and the corresponding connector of the controller to complete the installation.

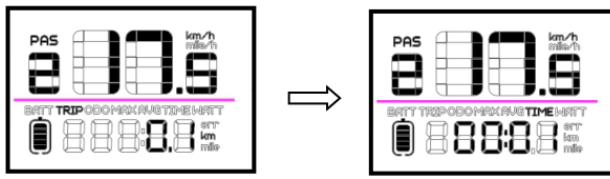
Normal operation

Power on/off

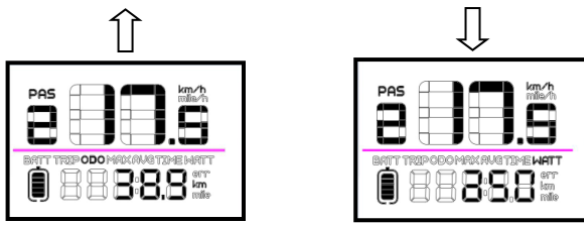
After long pressing the 【MODE】key, the meter starts to work and provides the working power of the controller. In the power-on state, long press the [MODE] key to turn off the power of the electric vehicle. In the shutdown state, the meter no longer uses battery power and the leakage current of the meter is less than 1uA. If the electric vehicle is not used for more than 5 minutes, the meter will automatically shut down.

Instrument display interface

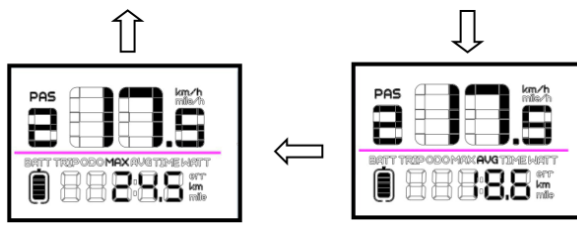
After the meter is turned on, the meter defaults to display real-time speed. Short press【MODE】key to switch display information. Displayed in turn: single mileage TRIP-----single time TIME-------power display WATT------single average speed AVG------single maximum mileage→MAX ------Total mileage ODO



Real-time speed, single mileage display real-time speed, single time display



Real-time speed, real-time speed of single maximum mileage, single average speed



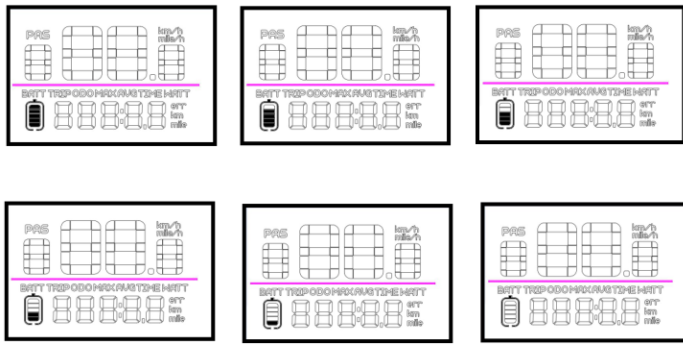
Real-time speed, real-time speed of single maximum mileage, single average speed

Power display

When the battery voltage is high, the five-segment LCD will be on.

When the battery voltage is low, the battery

The outer frame flashes, indicating that the battery is seriously undervoltage and needs to be charged immediately



Battery undervoltage flashes battery power display

Error code display

When the electric vehicle electronic control system fails, the meter will automatically display the error code,

Refer to Appendix 1 for the definition of detailed error codes.

Error code display interface

The fault display interface can only be exited when the fault is eliminated. After the fault occurs, the electric vehicle

Will not be able to drive normally.

Attached Table 1: Error code definition table

Error code	Definition
21	Abnormal current
22	Handlebar abnormal
23	Motor phase loss
24	Motor Hall signal is
25	Abnormal braking
30	Abnormal communication

User settings

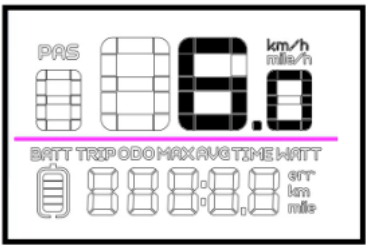
Backlight, headlights on

Long press [+] for 2 seconds to turn on the headlights, and the backlight is on.

6KM implementation

When the motor is stationary, press and hold [-] for 2 seconds to enter the 6KM implementation state,

Release the button to exit the 6KM implementation state.

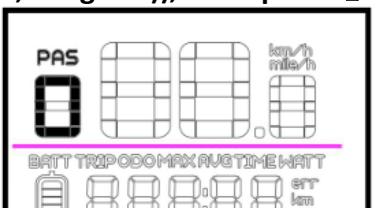


6KM implementation icon display

PAS gear setting

PAS gear is 0-9, optional (this gear display can be modified according to customer requirements,

0-3 gears, 0-5 gears)), short press【+】】【- 】to switch gears.



PAS gear setting area

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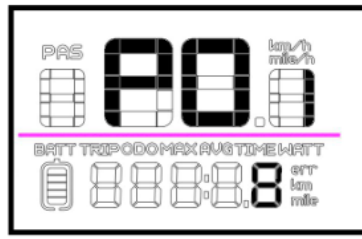
Internal parameter setting

Enter settings

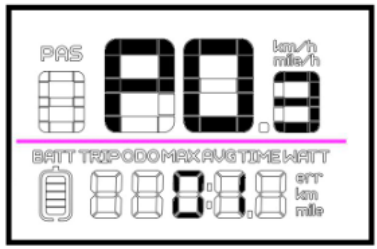
After the meter is turned on, press and hold [+]] [-] at the same time to enter the setting interface; [M] is the letter
Switch between information, P01-P08 selection; short press 【+】 】 【-】 to select the corresponding value. 30 seconds
If there is no operation information, it will automatically exit and save the current settings. You can also press and hold [+]] [-] to exit
Exit the setting interface, if no operation is performed within one minute, the meter will automatically exit the setting status. .

P01: Wheel diameter setting (unit: inch)
8,10,12,14,16,18,20,22,24,26,700C,28

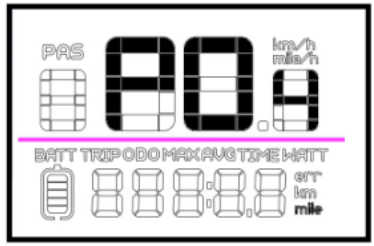


P02: Speed measuring magnet setting 1-100

P03: Non-zero start selection
0-1 (0-zero start, 1-non-zero start), this function needs controller support.

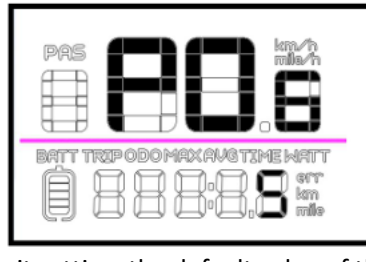


P04: KM/MILE switch

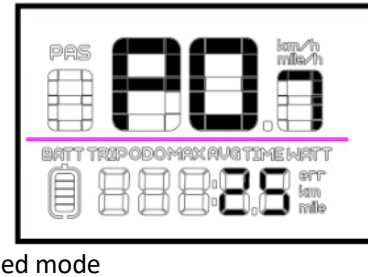


P05: Battery working voltage selection 24V, 36V, 48V

P06: Sleep time setting, the default value of the factory sleep time is 5 minutes
When the motor is stationary and has no power output, the meter will automatically turn off after 5 minutes and switch off.
Cut off the controller signal power supply. 0-60 (unit: minutes), 0 means no sleep



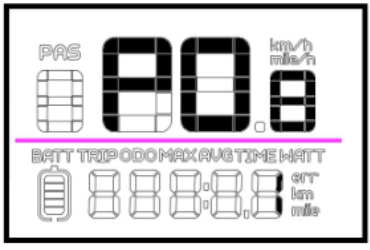
P07: Speed limit setting, the default value of the maximum riding speed of the instrument is 25Km/h. more
Changing this value can set the maximum riding speed of the electric vehicle, when the electric vehicle exceeds the set value
When the time, the controller will stop the power supply to the motor to protect the safe driving of the rider.
12-40, 40 is unlimited speed



P08: Hall speed mode

0: Display the hub hall communicated from the controller

1: Display the hub hall directly connected from the instrument



Frequently Asked Questions and Answers

Q: Why can't it be turned on?
Answer: Check whether the battery is turned on or the leakage lead is broken.
Question: How to deal with the fault code displayed by the instrument?
Answer: Go to the repair point for repairing the electric vehicle in time.

Quality commitment and warranty scope

1. Warranty information:
1). Anything caused by the quality of the product itself under normal use During the warranty period, the company will be responsible for granting a limited warranty.
2). The warranty period of the product is within 24 months from the factory.
2. The following conditions are not covered by the warranty
1). The shell is opened
2). The connector is destroyed
3). After the instrument leaves the factory, the casing is scratched or damaged
4). The lead wire of the instrument is scratched or broken
5). Due to irresistible (such as fire, earthquake, etc.) or natural disasters (such as lightning strikes)
Etc.) failure or damage caused by
6). The product is out of warranty

Lead connection diagram

Standard connector line sequence

6 core waterproof head male end front view

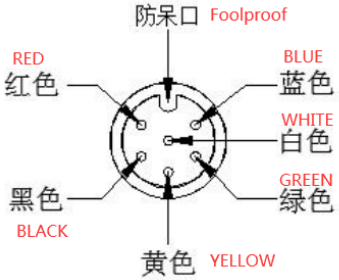


Table: Wire sequence table of standard connectors

NO	wiring color	Function
1	Red (VCC)	instrument power cord
2	Blue (K)	electric door lock wire of controller
3	Black (GND)	instrument ground wire
4	Green (RX)	Data receiving line of the meter
5	Yellow (TX)	data transmission line of the meter
6	White (Deng)	output headlight wire

Note: The lead adopts a waterproof connector, and the user cannot see the color of the lead in the harness.

Version change

The instruction manual of this instrument is the universal software version of Wuxi Qishang Technology Co., Ltd.

This (V2.1 version) operation manual. Instrument software version used on some vehicles

There may be slight differences between this manual and this manual, and the actual version shall prevail.