TRUCKRUN

CC01 Display

USER MANUAL

Contents

1.Product name and model description

Name：Electric bike intelligent LCD instrument

Model：CC01-X

●24/36V/48V Power supply

●Meter rated working current：10mA

●Maximum working current：200mA

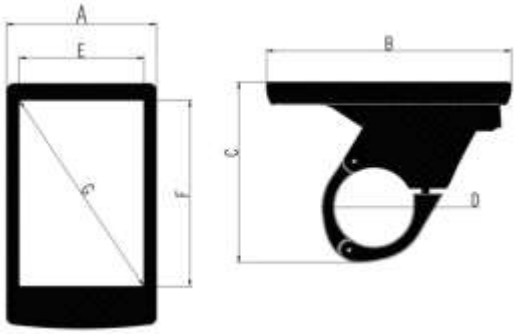
●Shutdown leakage current：<1uA

●Operating temperature：-20～60℃

●Storage temperature：-30～70℃

2.Appearance and Dimensions

Display Appearance and Dimensions（Unit：mm）



3.Functional Overview

CC01-X type provides a variety of functions to meet your riding needs,which including：

●Intelligent battery display

●Motor power indication

●Boost gear adjustment and indication

●Speed display（Including Real-time speed, maximum speed, average speed）

●Mileage display（Including Single mileage and total mileage）

●Powerful push control and display

●Ride time display

●Backlight Control and Display

●Error code display

●Cadence display（Optional）

●USB connection instructions（Optional）

●Remaining mileage display（Optional）

●Multiple parameter settings（Such as：Wheel diameter, speed limit, battery power setting, power-on password setting etc.）

●Default parameter restore function

4.Normal operation

◆Turn On/Turn off

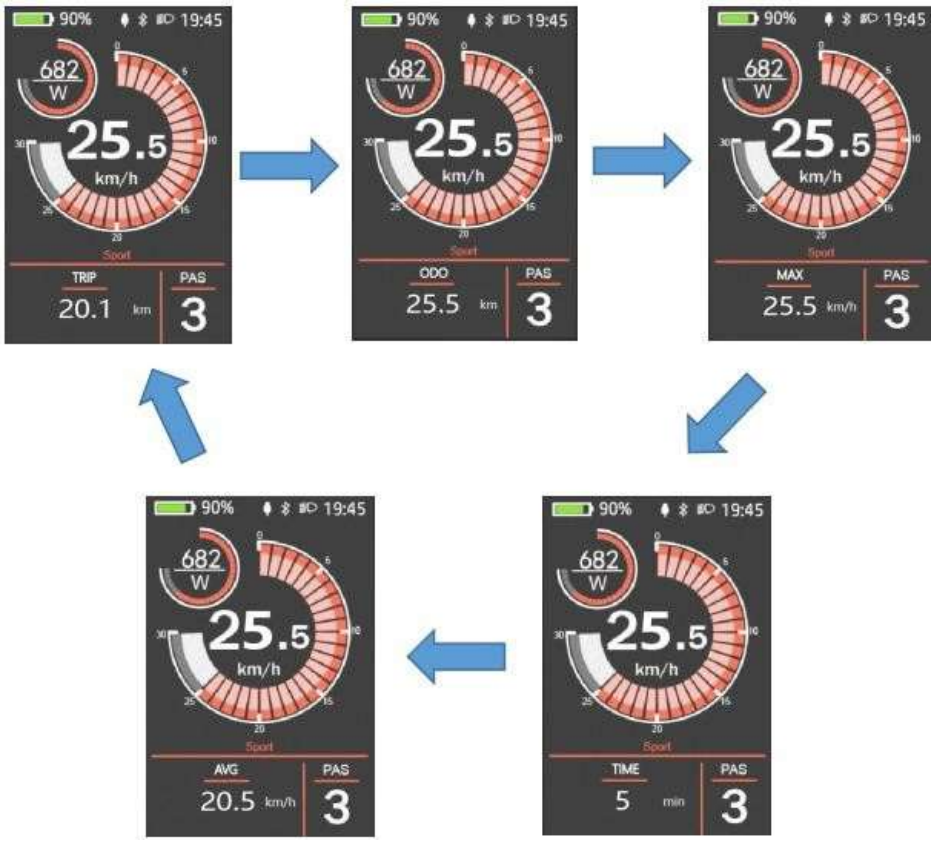
Press the power button to turn on the e-bike system and provide power to the controller. Press and hold the power button for 2 seconds, the e-bike system will be turned off. Electric self-propelled systems no longer use battery power.

When the electric bicycle system is turned off, the 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.UI

After the meter is turned on, the meter displays real-time speed and total mileage (km) by default.Short press the "i" button to display the information in Switch between real-time speed (km/h), average speed (km/h), maximum speed (km/h), single mileage (km), and total mileage (km).



显示界面切换

◆Push forward

Press and hold the "—" button, and after 2 seconds, the electric vehicle will enter the state of electric boosting. The move bike is traveling at a constant speed of 6 kilometers per hour.

Simultaneous screen display “  ” Release the "—" button, the electric vehicle will immediately stop the power output and return to the state before boosting.

Push forward interface

■Push forward function can only be used when the user pushes the electric vehicle, do not use it while riding.

◆Headlight control

Short press the  ”button，Turn on the headlights, and the backlight brightness automatically decreases.Use the same way short press“  ”button，can turn off the light.

大灯照明显示界面

◆Push forward the Gear selection

Short press the "+" or "-" button to switch the assist gear of the electric bicycle and change the output power of the motor. The default output power range of the meter is 0-5 gears. highest power. After reaching the 5th gear, short press the "+" button again, the interface still displays 5, and 5 flashes to indicate that the current is the highest gear. After the power-assisted downshift reaches the 0th gear, short press the "-" button again, the interface still displays 0, and 0 flashes to indicate that the current is the lowest gear, and the default gear of the instrument is 1st gear.

Gear switch interface

◆Power display

Five-segment display of battery power, when the battery voltage is high, the five-segment LCD lights up.When the percentage is 0,the battery needs to be Charged immediately.

Power display interface

◆Motor power indication

The output power of the motor can be known through the meter. The display method is shown in the figure below.

Motor powermenu

◆USB connection instructions(Optional)

When the monitor is plugged into a USB external device, the meter will display the interface as shown below.

USB connection interface

◆Error code display

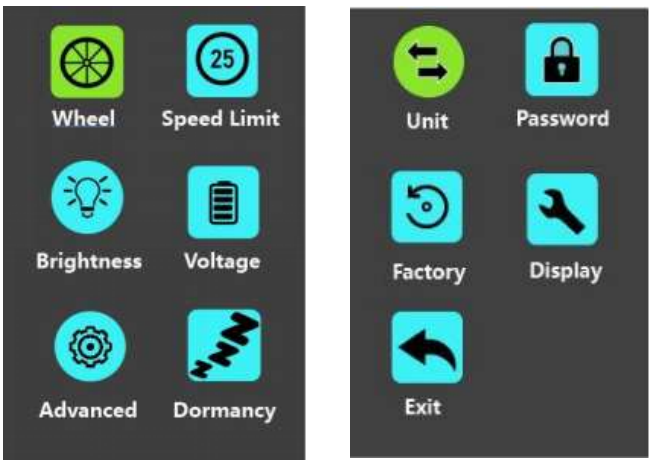
When the electric control system of the electric vehicle fails, the instrument will automatically display the error code. For the definition of the detailed error code, please refer to Appendix 1.

Error code display menu

■When the error code is displayed, please remove the fault in time. After the fault occurs, the electric vehicle will not be able to drive normally.

6.General parameter settings

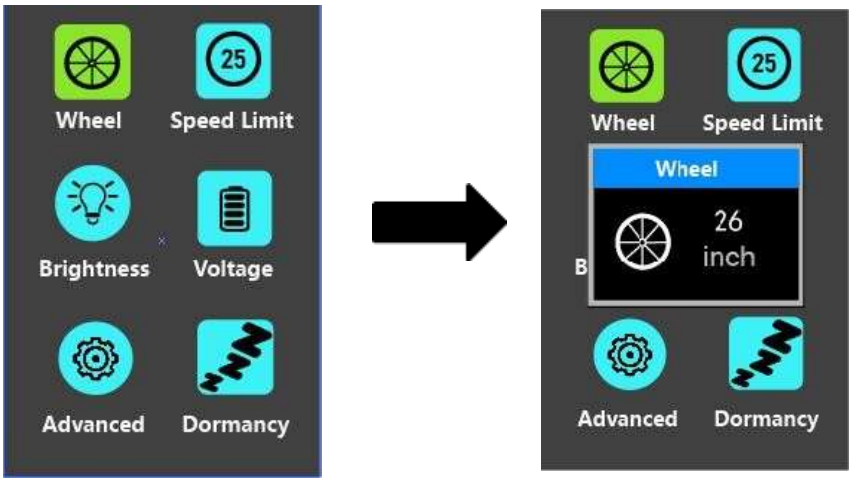
Press and hold the power button to turn it on. In the power-on state, when the vehicle is stationary, press and hold the "+" and "-" buttons at the same time for more than 2 seconds, the instrument will enter the normal setting state.



General parameter setting item selection interface

■All settings are operated with the bike parked。

- Wheel diameter setting：Wheel Indicates the wheel diameter setting.Press the "+" or "-" button to increase or decrease until the desired value is displayed.Default is 26 inches.Press“i”button Confirm and save changed settings.

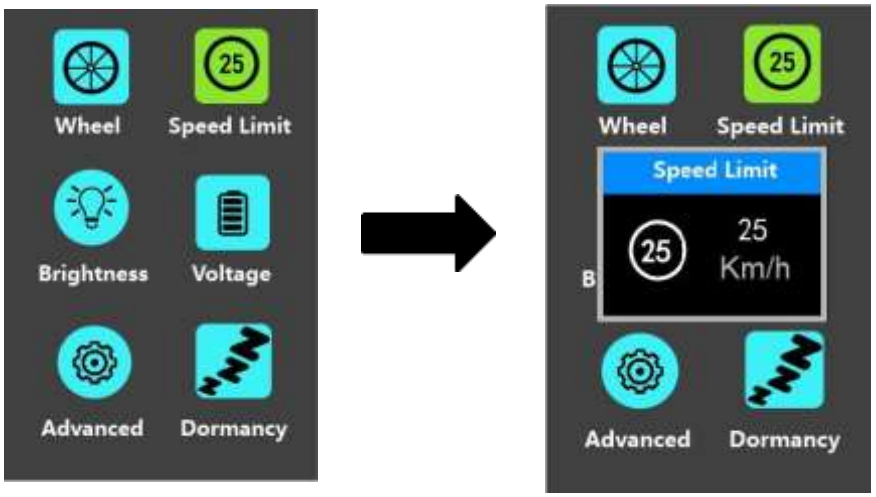


Wheel diameter setting interface

◆Speed limit setting

SpeedLimit Represents speed limit settings。Represents speed limit settings. Represents speed limit settings.The speed limit range is 15-40 km/h, the default is 25 km/h.

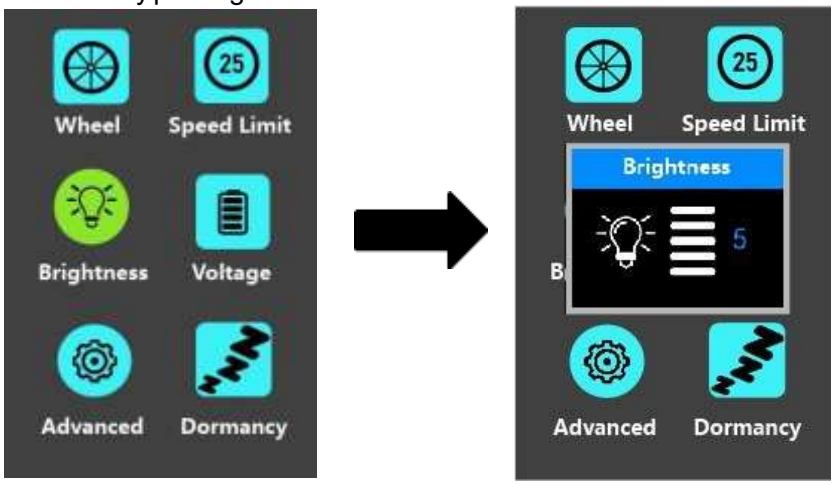
Press the +/- keys to increment and decrement the value to change the setting. Press the "i" key to save the modified settings.



Speed limit setting interface

◆Backlight brightness setting

Brightness Represents backlight brightness，Level 5 represents the brightest, and the lower the level, the lower the brightness. The backlight brightness parameter can be changed by the "+" or "-" button, and the changed setting can be confirmed and saved by pressing the "i" button.



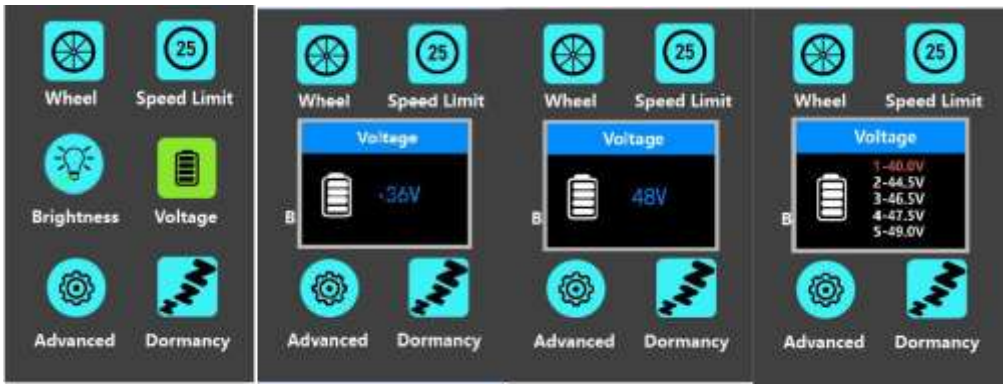
Backlight brightness setting interface

◆Voltage setting

Voltage Represents the battery level bar setting. The rated voltage of 36V and 48V can be switched.

The five-segment voltage value of 36V or 48V can be input one by one. For example, the default value for the first stage voltage value (VOL 1) of 48V is 41.5V.

Short press the "+" or "-" key to change the value, and short press the "i" key to confirm and enter the next level of power setting. After the five-stage voltage value is completely input and set, press the "i" key to confirm and save the modified settings.

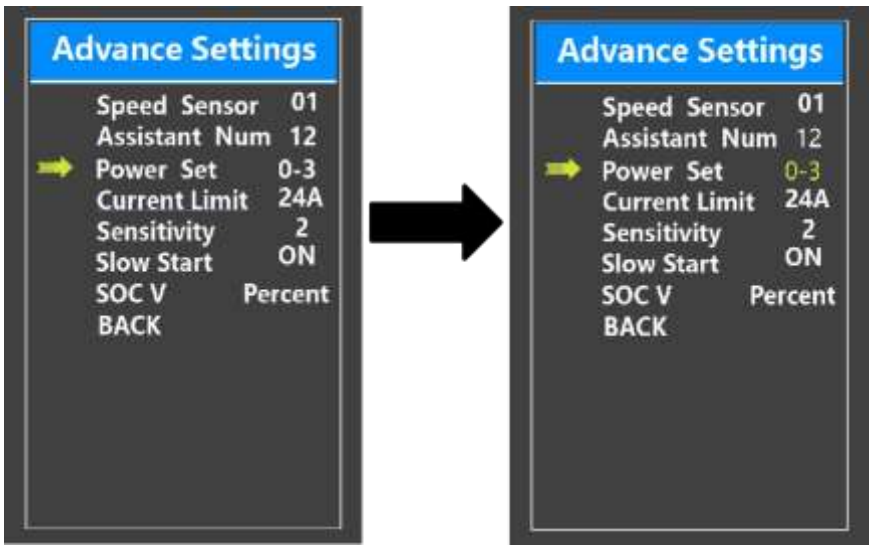


Voltage setting interface

◆Assist gear setting

Assist levels Represents boost gear mode.There are 8 modes to choose from: 0-3, 1-3, 0-5,1-5, 0-7, 1-7, 0-9, 1-9.

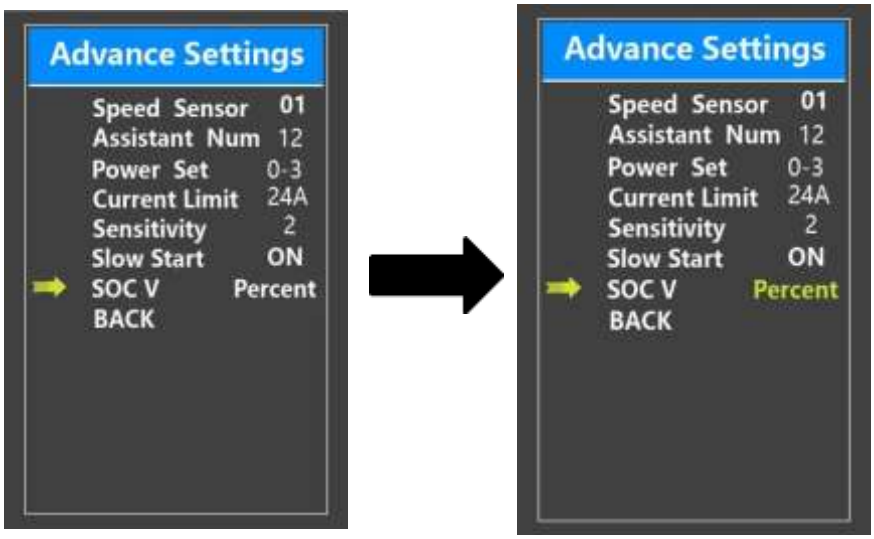
Change the assist gear mode by pressing the +/- keys, and press the "i" key to select and confirm the desired mode.



助力档位模式选择界面

◆Voltage display settings

SOC V Two display methods representing the remaining battery capacity.One is the percentage and the other is the voltage value. Press the "+" button or "-" button to select the desired display method. To store the



changed settings, press the "i" button briefly to confirm.

Voltage display settings

◆Automatic shutdown time setting

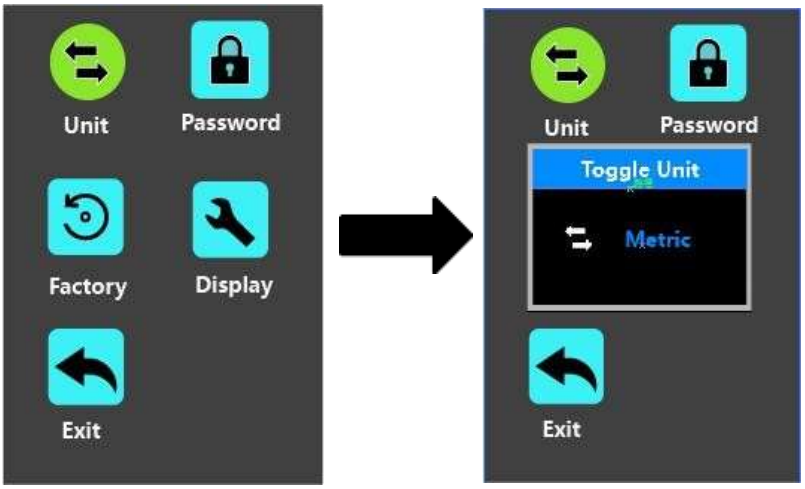
Dormancy, Represents the automatic shutdown time setting.Represents the automatic shutdown time setting.

This feature can also be turned off, and the default shutdown time is 5 minutes.

Short press the "+" or "-" key to change the value, and short press the "i" key to confirm and enter the next level of power setting. After the five-stage voltage value is completely input and set, press the "i" key to confirm and save the modified settings.

Automatic shutdown time setting interface

◆Imperial and metric unit conversion

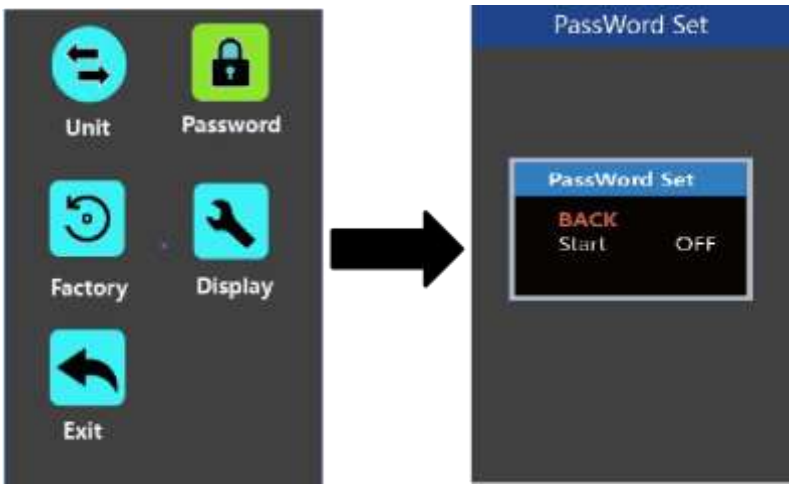


Unit, Represents the unit switching setting. To convert units, press the "+" button or "-" button to select the desired setting item, and then press the "I" button to confirm. The default is Metric (Kilometers).

Unit switching

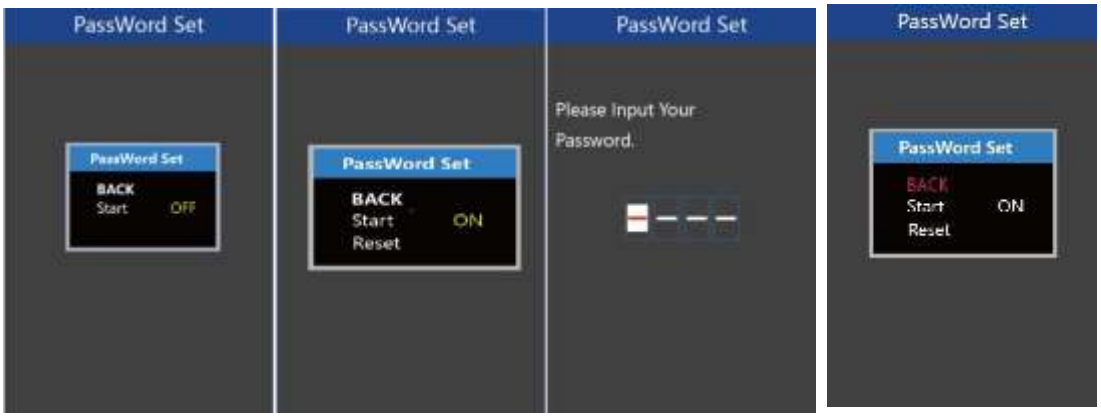
◆ Password Set

Password Set Indicates the password setting of the instrument, short press the "i" key to enter the password setting state, the screen prompts "Password Set", indicating the power-on password. Short press the "i" key to shift, and press the "+" or "-" key to add/subtract the value. After entering the 4-digit password, short press the "i" key to confirm. If the password is correct, enter the power-on password enable setting. interface, otherwise it stays in the password input state. The default power-on password is 1212.



Password set interface

1. Power-On Password Disable/Enable To enable or disable the startup password setting, press the "+" or "-" button to select On or Off. On means power-on password is enabled, off means power-on password is disabled. The default is off. To enable a power-on password, select "On", then press the "i" button to confirm and enter the current password or the default password "1212". Press the "+" or "-" button to change the number, then press the "i" button to confirm the numbers one by one until the correct password (current password or default password '1212') is entered. To disable the current password, select "Off", then press the "i" button to confirm and enter the current password



correctly. The screen displays "Password cancelled successfully". The password recovery default code "1212" is then displayed.

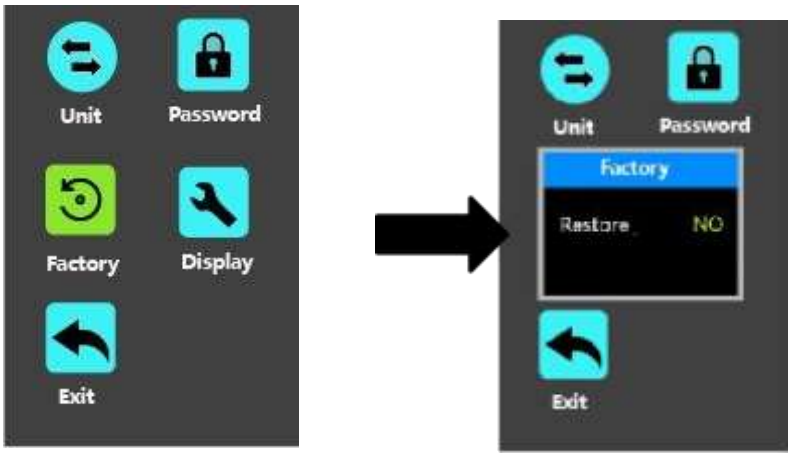
Open the password setting interface

2. Power-on password reset From the last interface above, press the "+" or "-" button to select "Reset Password", and press the "i" button to confirm and enter the power-on password reset interface. There are 3 pages to set a new password: On the first page, please enter the current password or the default password "1212" correctly. Then move to the second page to enter the new password. Press the "+" or "-" button to increase or decrease the number, then press the "i" button to confirm the numbers one by one until a new 4-digit password is completed. Finally, go to the third page and enter the new password again to confirm. The screen shows "Password reset successfully" The next time you turn on the e-bike system, please enter a new password to power on.

Password set interface

◆Restore factory Set

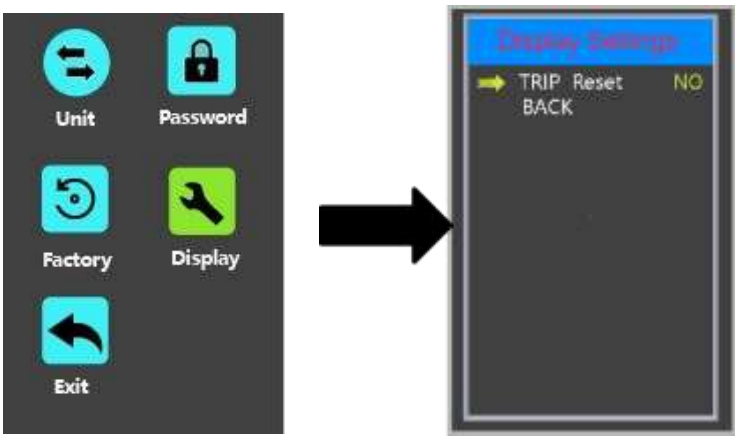
Factory Represents factory settings. To restore factory settings, press the "+" or "-" button to select Yes or No. The default is No To save the changed settings, press the "i" button to confirm.



Restore factory settings interface

◆Instrument basic parameter setting

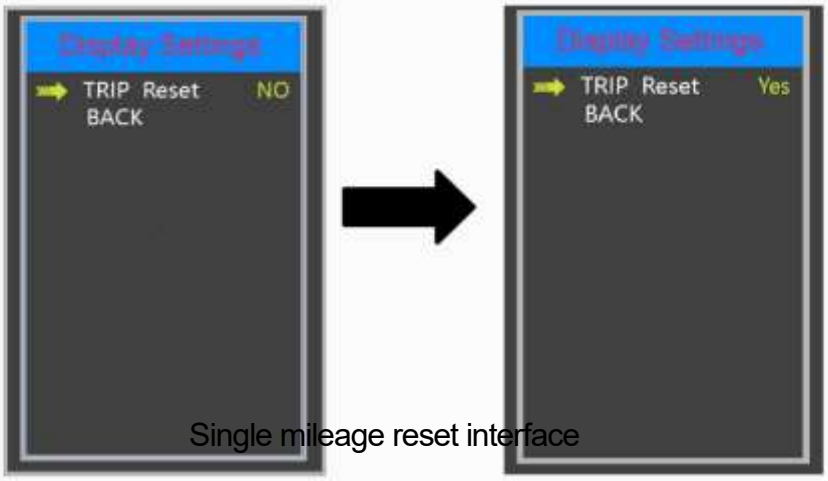
Display Represents setting general parameters of the instrument, such as clearing a single mileage, etc.



Instrument basic parameter setting interface

TRIP Reset Clearing represents a single mileage clearing setting.

To clear the travel distance, press the "+" button or "-" button to select "YES" or "NO". YES means clear single trip distance. NO means not to clear a single mileage. Press the "I" key to save the changed settings, the default is NO.



Single mileage reset interface

◆Exit Set

Reset to defaults Represents factory settings. To restore factory settings,

press the "+" or "-" button to select Yes or No. The default is No To save the changed settings, press the "i" button to confirm.

Exit the settings interface

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

7.Quality Commitment and Warranty Coverage

一、 Warranty Information

（1）All faults caused by the quality of the product itself under normal use conditions will be covered within the warranty period.

The company will be responsible for the limited warranty.

（2）The warranty period of the product is within 24 months since the instrument leaves the factory.

二、The following situations are not covered by the warranty

（1）The casing is opened.

（2）leads are scratched or broken.

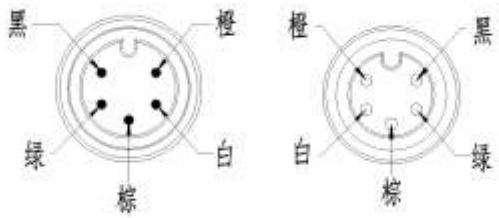
（3）After the instrument leaves the factory, the casing is scratched or the casing is damaged

（4）Caused by force majeure (such as fire, earthquake, etc.) or natural disasters (such as lightning strikes, etc.)

malfunction or damage.

（5）The product is out of warranty

（6）◆Lead Connection Diagram



Butt terminal Instrument line end

Table 1：Standard connector line sequence table

Standard wire color	**Function**
Black（GND）	Display ground wire
Brown（P+Y）	Power control line of the

	controller（lock line）
White（TX）	The data receiving line of the instrument
Green（RX）	The data transmission line of the instrument
Orange（VCC）	Instrument power cord

Attachment 1：Error code definition

Number	Code	Meaning	Number	Code	Meaning
1	04	The handle is not returned	7	10	High temperature has reached the protection point
2	05	Handlebar failure	8	11	Temperature sensor failure
3	06	low voltage protection	9	12	Current sensor failure
4	07	Over voltage protection	10	21	Speed sensor failure
5	08	Motor Hall signal line fault	11	30	Instrument communication failure
6	09	Motor phase line fault	12		