



CDC11 Specification

Cloud drive intelligent technology Co.,Ltd

Preface

Dear users:

To ensure better performance of your ebike, please read through the CDC11 instruction carefully before using it. We will inform you of all the details, including the installation and function setting of the display with the most concise words. Meanwhile, the specification will also help you to solve possible malfunction.

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1.Product instruction

CDC11 products uses the 2.4-inch LCD color screen with a light and beautiful button. Frosted texture of black, beautiful appearance. The display interface bar frame is very clear, with backlight light sense design. Double side printed board , nylon buckle and ABS material shell, under the temperature ranging from -20°C to 60°C,which can ensure the good mechanical performance of the products.

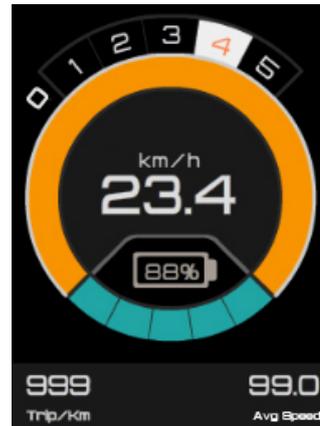
The one display can match 24V/36V/48V battery. At the same time it integrates 24V, 36V and 48V front lights switch function. With another CDBL_C product of our company will greatly simplify the handlebar cable.

The display main interface has the white and black theme background.The display can switch between the two theme backgrounds automatically to show clearly even though it's under different conditions of external light intensity.





White theme background



black theme background

CDC11 function Summary:

- ◆ Total distance and single distance indication
- ◆ Maximum speed and average speed indication
- ◆ Current speed indication
- ◆ Car lamp display
- ◆ PAS level selection
- ◆ Output power indication
- ◆ Battery residual capacity indication
- ◆ Error code definition
- ◆ Unit switching: km/mile
- ◆ USB charging function
- ◆ Blue tooth function (customized)
- ◆ 6Km/h walk function
- ◆ Pass words function:it can be customized

2. Technical parameters

Voltage: 24V/36V/48V

Current: 24V/35mA, 36V/27mA, 48V/24mA

Ambient temperature in use: -20°C to 60°C

Ambient humidity in use: 0-100%RH

Protection grade: IP65

Screen viewing angle: Horizontal view-angle 160°

Vertical viewing Angle 160°

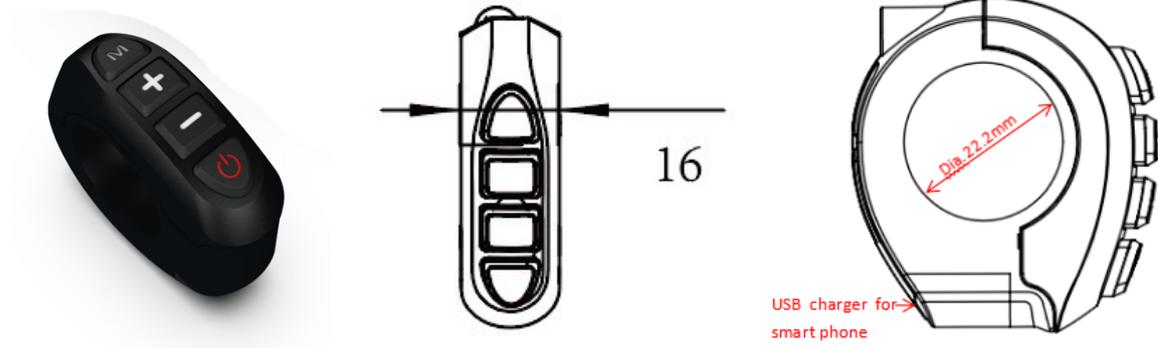
screen brightness: 400~450 lumen (show clear in the sun)

3. Dimension and size

Real product and dimension:



Real product and dimension of the button:



4. Installation instruction

Erection explosion diagram:



The display and button will be fixed on the handlebar, and then adjust the angle of view, and the button will be installed in the easily controlled position. Tighten the screws to finish the installation. (The below picture is installation rendering)

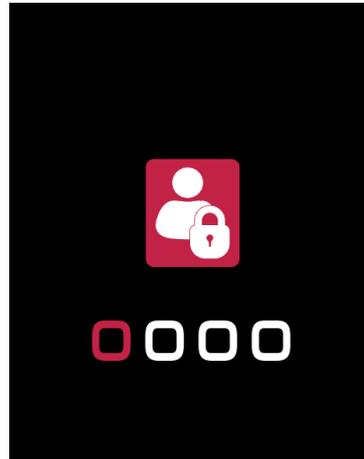
5.Button definition

button	operation	function
	hold 3S	1.It will enter into the setting menu after holding 3s in the main interface; 2.It will turn to main interface after holding 3s in the setting interface.
	click	1.In the main interface, click it will turn on/off the USB charging function; 2.In the setting function, it has confirm function. 3.it can switch the passwords digit when in the passwords interface of the menu;
	hold 3S	Nothing
	click	1.Increase the lever when in the main interface; 2.Switch the options when in the setting interface; 3.Increase the numeric value of the password when in the passwords interface;
	hold 3S	1.In the main interface, can turn on 6Km/h walk function(and when you release it, the 6km/h walk function will be off);
	click	1.It can decrease the lever when in the main interface; 2.It can switch the options when in the setting interface; 3.Decrease the numeric value of the pass word in the passwords interface;
	hold 3S	1.Power off in any interface;
	click	1.Power on when it is in the off state; 2.Turn on/off the lamp when in the main interface; 3.Switch the password digit when in the interface of passwords input interface.

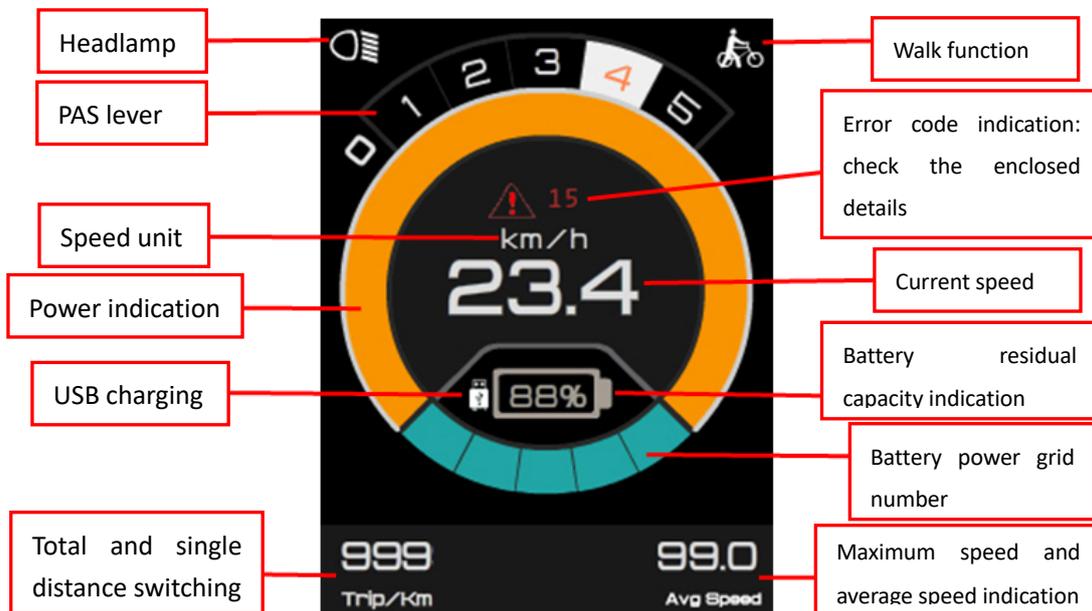
6.Instruction of the main interface

If the passwords function was customized, it will show passwords input interface after turning on. In the passwords input interface, click  or  button to set the right numeric value. Click  button to switch to the right password digit. It will enter the main interface if you input the correct passwords; otherwise, you should input again.The default passwords is 0000.

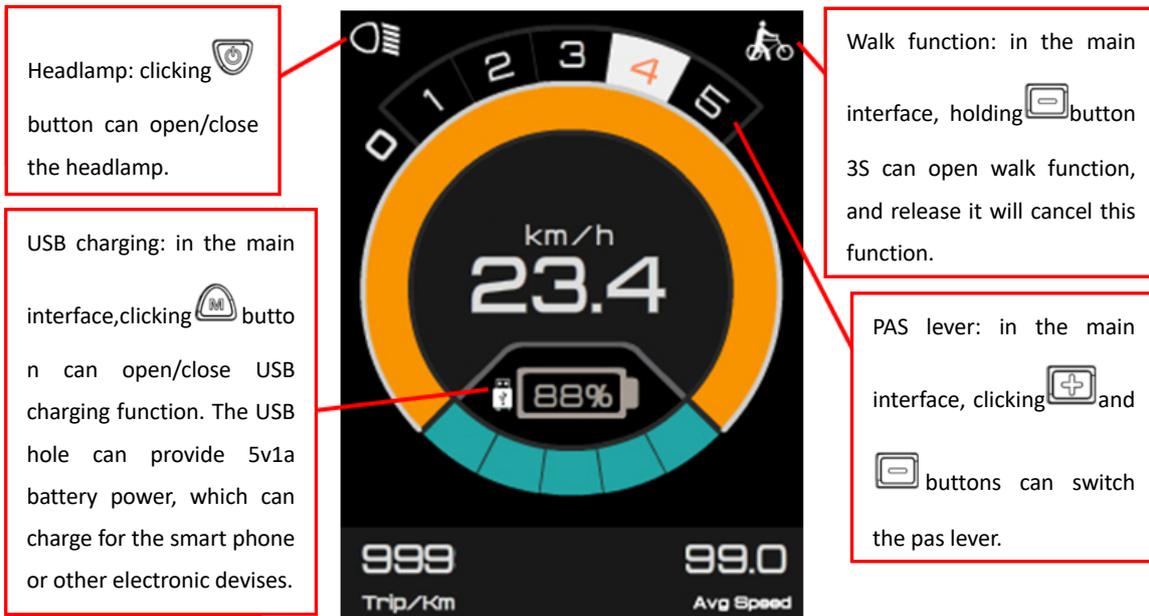
Note: Please keep in mind the pass words after you modified it in order to that the display can' t be opened.



The main interface is shown in the below picture(it is the same function show in the white and black theme).

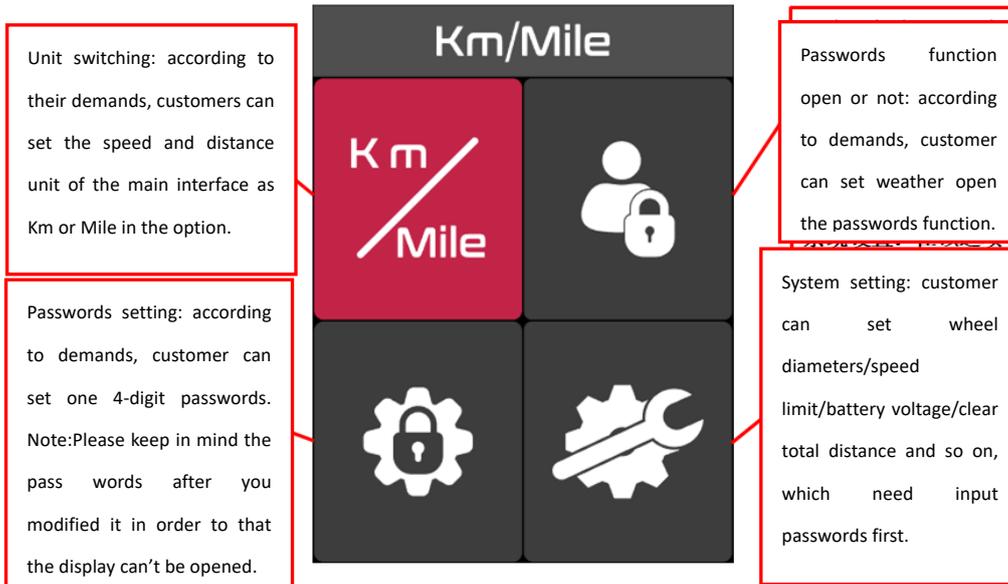


In the main interface, operations of each function(switch the lever/power on the walk function/turn on or off the lamp/USB charging function and so on) is shown in the below picture.

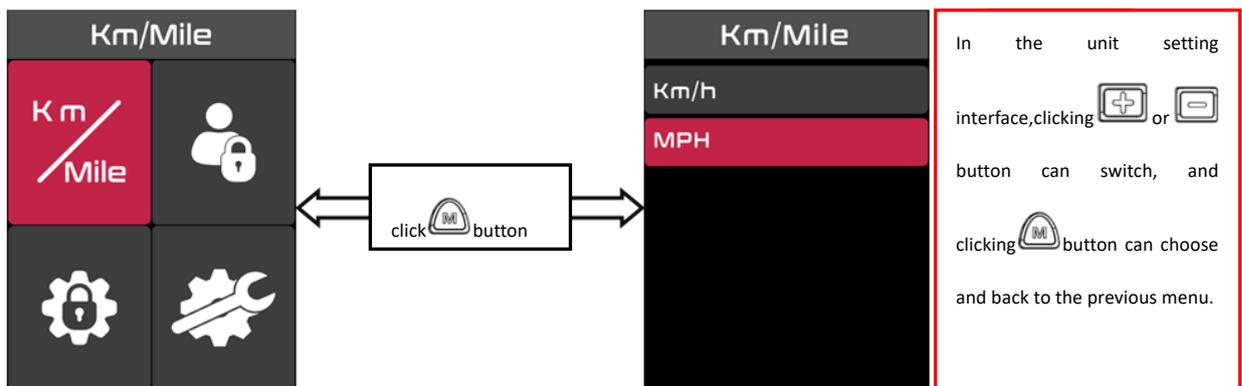


7.Setting interface instruction

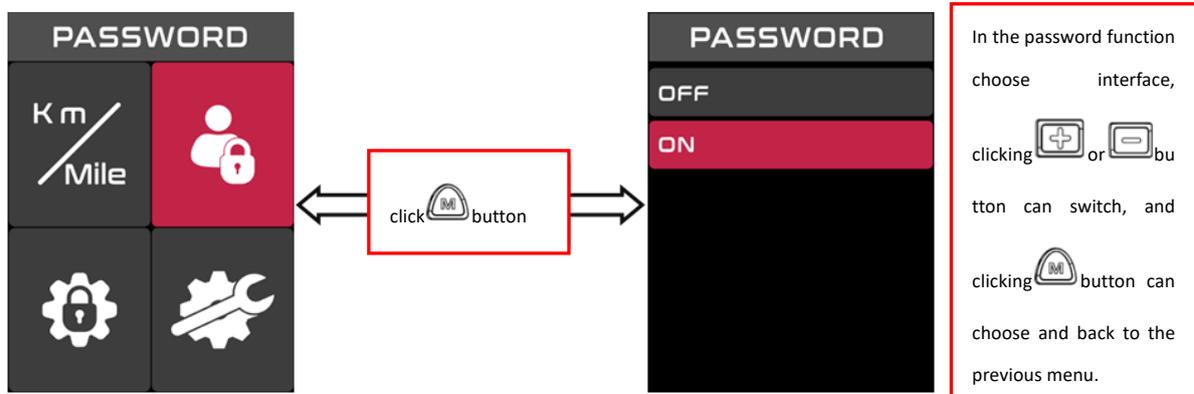
In the main interface, holding  button 3S will enter the setting interface; Then holding  button 3S, it will back to main interface; Clicking  or  button can switch the options; Clicking  button can enter the setting options. The setting interface is shown in below picture.



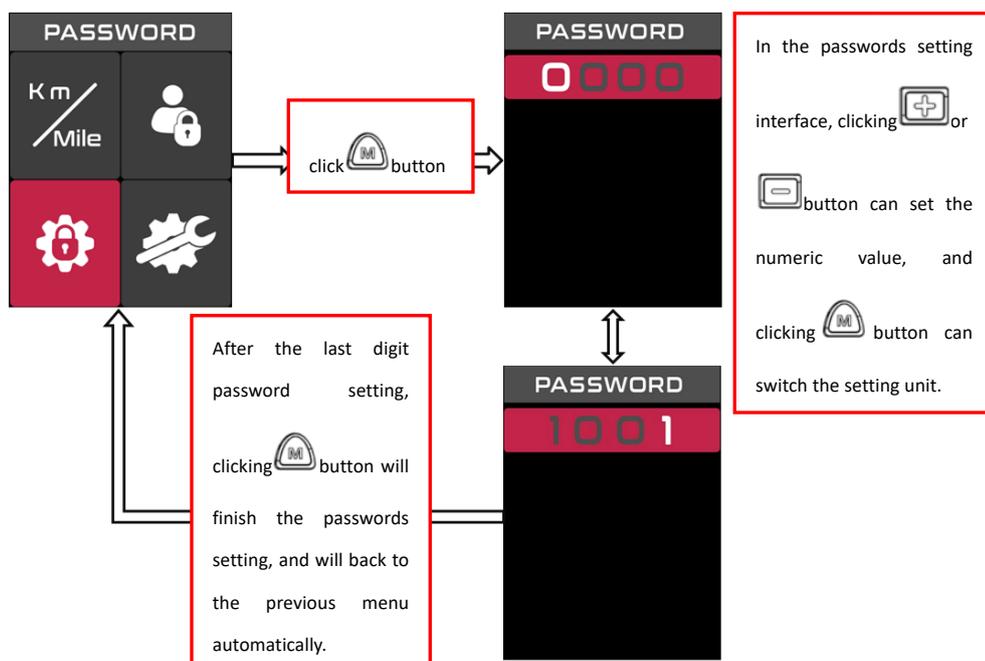
A.Unit setting



B. Passwords function open/close setting

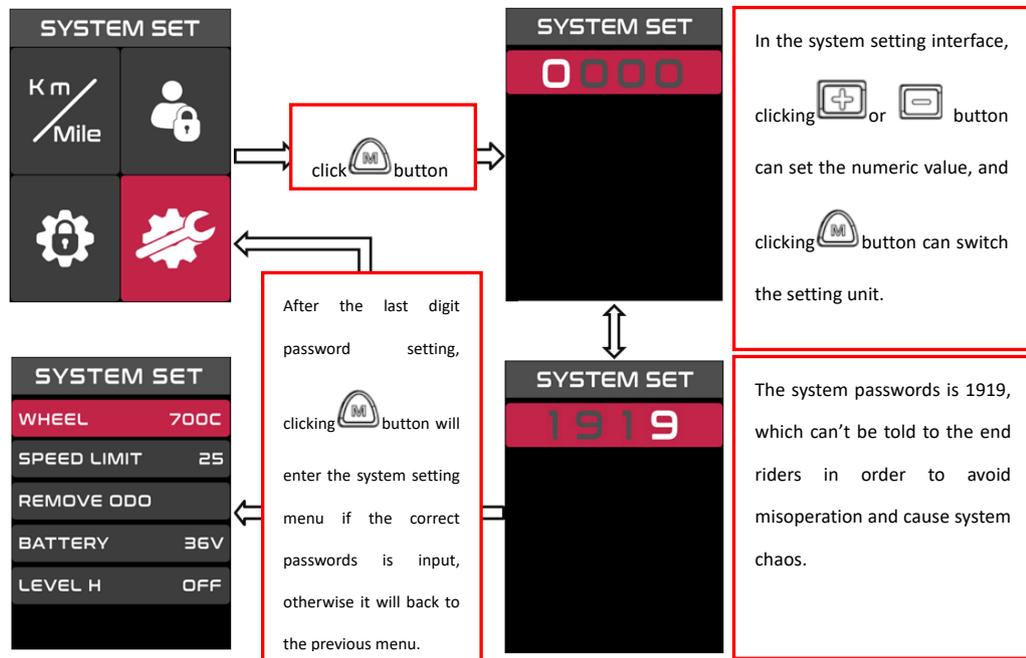


C. Passwords setting



Note: Please keep in mind the pass words after you modified it in order to that the display can't be opened.

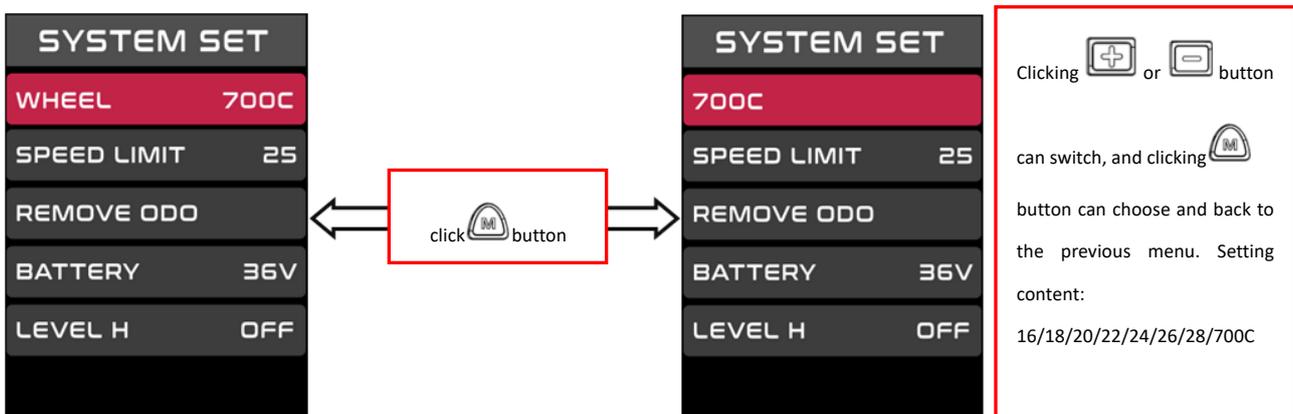
D.System setting



Note: Don't let the end rider has the passwords for system setting in order to avoid the user misoperation caused by the system chaos, not normal operation.

After enter the system setting interface, holding  button 3S can back to the main interface.

(a) Wheel diameter setting



(b) Speed limit setting

SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	
BATTERY	36V
LEVEL H	OFF



SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	
BATTERY	36V
LEVEL H	OFF

Clicking  or  button can switch, and clicking  button can choose and back to the previous menu. Setting content: when the unit is Km, can set speed 10-99; when the unit is Mile, can set the speed 6-61.

(c) Clear total distance

SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	
BATTERY	36V
LEVEL H	OFF



SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	NO
BATTERY	36V
LEVEL H	OFF

Clicking  or  button can switch if clear the total distance, and clicking  button can confirm and back to the previous menu. When choose YES, it will clear the total distance; and when choose NO, it won't.

(d) The battery power setting

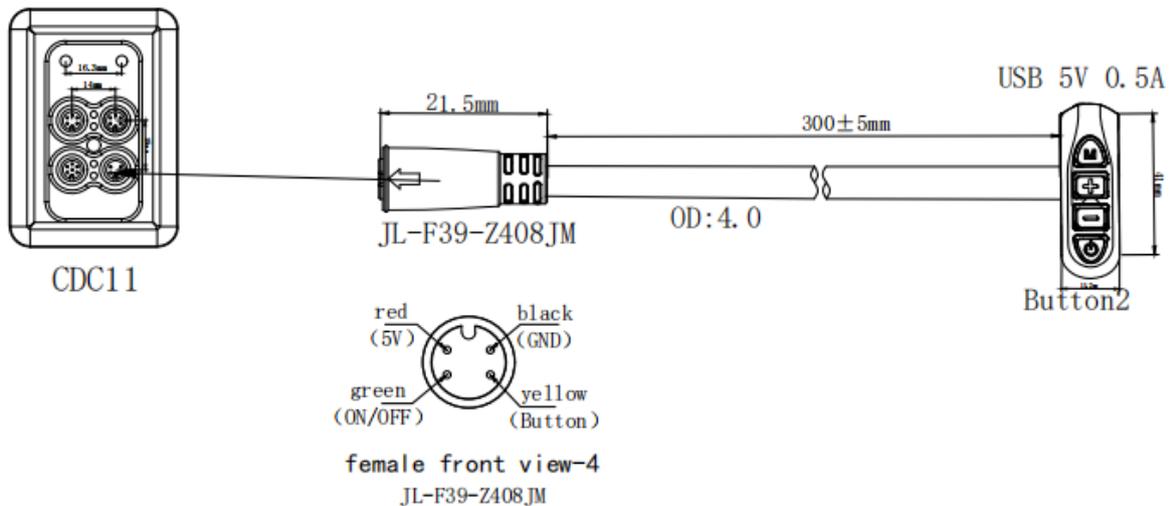
SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	
BATTERY	36V
LEVEL H	OFF



SYSTEM SET	
WHEEL	700C
SPEED LIMIT	25
REMOVE ODO	
BATTERY	36V
LEVEL H	OFF

Clicking  or  button can switch, and clicking  button can confirm and back to the previous menu. Setting content: 24V/36V/48V

8.Board terminal cable sequence schematic diagram



9.Q&A

Q: Why the display is not able to start up?

A: Check the connector that between display and controller.

Q: How to deal with the error code?

A: Fix it to the maintenance place immediately. If it cannot be resolved, you can go to the electric vehicle repair points repair it in a timely manner.

10.10.Quality assurance and warranty scope

Warranty

- (1) Under warranty, our company will shoulder the responsibility to provide limited warranty to any faults caused by the quality of the product under normal use.
- (2) The warranty period lasts for 18 months since the date of purchase.

Other items

The following items does not belong to warranty scope

- (1) Disassembly or modification without authorization.
- (2) Malfunction or damage caused by the misuse or improper installation and debugging by the users or the third party.
- (3) Shell scratch or breakage after leaving the factory.
- (4) Wiring scratch or breakage.
- (5) Malfunction or damage caused by the force majored (fire, earthquake etc.) or natural disasters (lightening etc.)
- (6) Beyond Warranty period.

Enclosed: Error code definition table

error code	definition
2	Over current protection is checked by the controller. Check whether the connectors of three-phase power cable and the hall signal connectors are badly connected . There is something wrong with the controller or motor if the problem is still present after reconnect the connectors.
	The controller can't properly drive the motor : Check whether the connectors of three-phase power cable and the hall signal and the power supply connectors are badly connected .Or there is not

3	enough power to drive the system than 2S, such as climbing or the wheel is stuck . There is something wrong with the controller or motor if the problem is still present after reconnect the connectors.
4	Battery voltage is too low to protect, under voltage protection.
5	After the system power on , check whether the brake is working properly.If the brake signal is less than 0.75V for very a long time, there is something wrong with the brake.
6	Check whether the hall commutation signal of the motor is faulty or not. Check the connector of the motor’s hall signal cable is disconnected or not. The hall of motor maybe broken if the problem is still present after reconnect the connectors.
7	After the system power on, check whether the throttle is out of control or the throttle signal is less than 0.75V ,or customer turns the throttle before the system works, the error can be solved after throttle is reset.
8	The controller is broken.
A/10	The display and the controller have communication problems , the yellow cable is not connected.
D/13	The controller program is wrong or the 5V is wrong, check whether the brake signal short with 5V.

<p>F/15</p>	<p>The display and the controller have communication problems, the green cable is not connected, or the communication protocol doesn't match.</p>
<p>If there is something wrong with the 5 cables between the controller and display:</p> <p>(1)If the display can't power on and there is no display on the screen, the reasons may be: the power supply connector between controller and battery is not connected well or there is something wrong with the cable (the red, black ,blue cable of any 1 cables) between display and controller.</p> <p>(2)If the display is turned on, but after working 3 seconds stop working. The reasons may be: the connection (the green, yellow cable) between the display and the controller is open circuit.</p> <p>The error code explanation is based on the correct system from</p> <p>Cloud drive intelligent technology Co.,Ltd</p>	