



**Manual**

**BC281**

Version: EN-V0.6

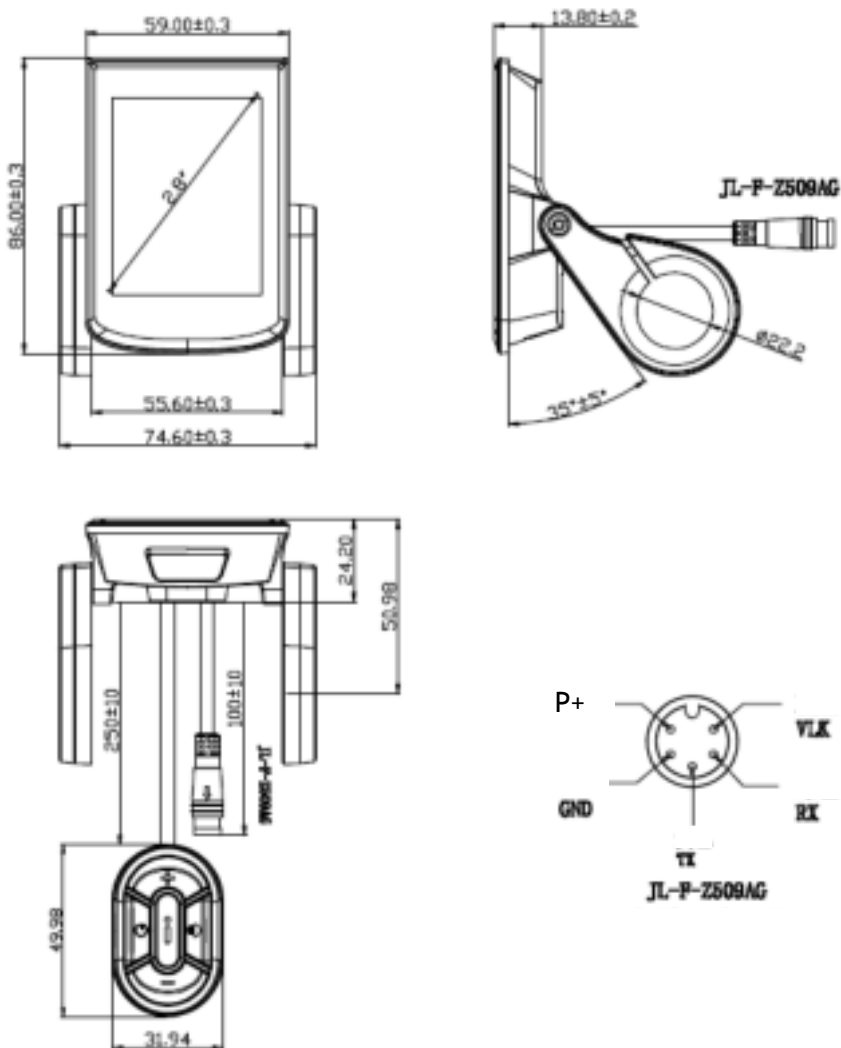
## Contents

<b>Product Description and Specifications</b> .....	<b>3</b>
Parts Description .....	3
<b>Function introduction</b> .....	<b>4</b>
Features .....	4
Buttons Functions .....	4
<b>Operation</b> .....	<b>5</b>
Power on/off .....	5
Riding interface .....	5
Assist level switch .....	6
Turn on/off the light .....	6
Error Code .....	6
User Menu .....	7
<b>Attentions</b> .....	<b>12</b>

## ■ Product Description and Specifications



### ● Parts Description



Display Dimensions

## ■ Function introduction

### ● Features

BC281 supports the common riding parameters and statistical results, as well as some useful functions:

- ◆ Real-time speed, Max speed, Average speed
- ◆ Real-time motor power
- ◆ Battery indicator
- ◆ Assistant level
- ◆ Odometer, trip
- ◆ Trip time
- ◆ Light indicator
- ◆ Metric(km/h)/Imperial(mph) switching
- ◆ Error codes indicator
- ◆ Auto headlights, Brightness adjustment, automatic backlight
- ◆ Auto Power-off
- ◆ USB Port (5V/500mA)

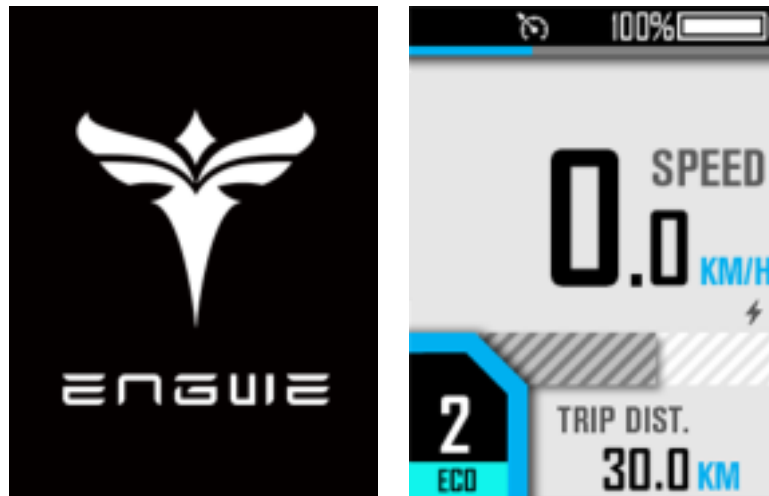
### ● Buttons Functions

Name	Functions
[Power]	1、 Power on/off
[+]	1、 Parameter adjustment 2、 Menu operation 3、 Long press→Cruise on/off
[-]	1、 Parameter adjustment 2、 Pedestrian mode on/off 3、 Menu operation
[Light]	1、 Light on/off
[i]	1、 Parameters confirm 2、 Long press→Change mode

## ■ Operation

### ● Power on/off

Long press the [Power] button to power on, the boot interface will be shown for about 2s, followed by the riding interface:



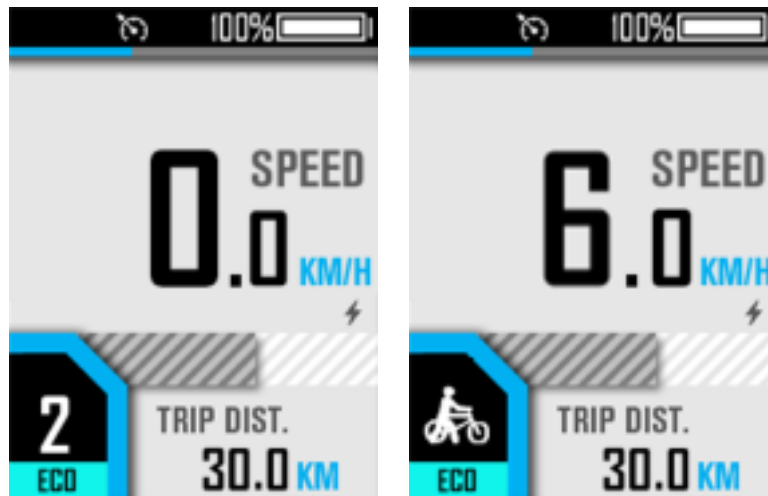
In any interface, long press the [Power] button, the shutdown interface will be shown for about 2s before power off:

### ● Riding interface



- **Assist level switch**

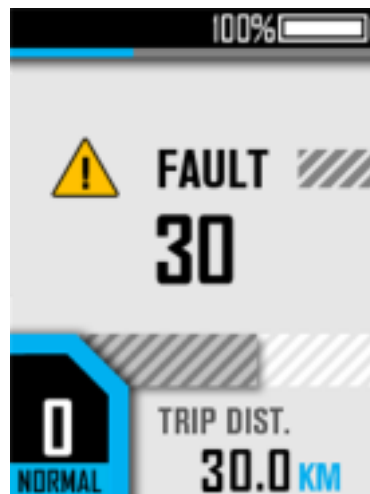
- Click [+] or [-] to switch assist levels;
- Press and hold the [-] button to enter the pedestrian mode, and release to exit.



- **Turn on/off the light**

Short press [light] button to turn on/off the light.

- **Error Code**



Common error codes are as follows (Only for reference, depending on other electrical parts of the ebike):

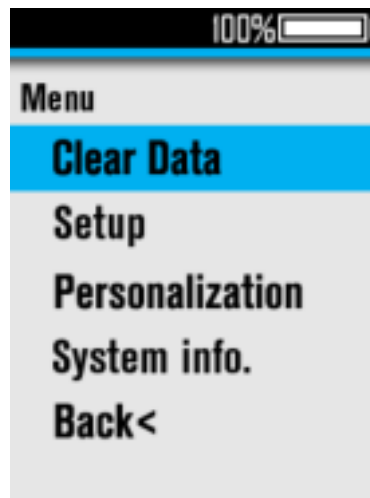
**KM5S protocol Error Code**

Error Code	Meaning
21	Current or Mos Error
22	Throttle Error
23	Motor Phase Error
24	Motor Hall Error
25	Brake Error
26	Low-voltage protection
30	Communication Error

## ● User Menu

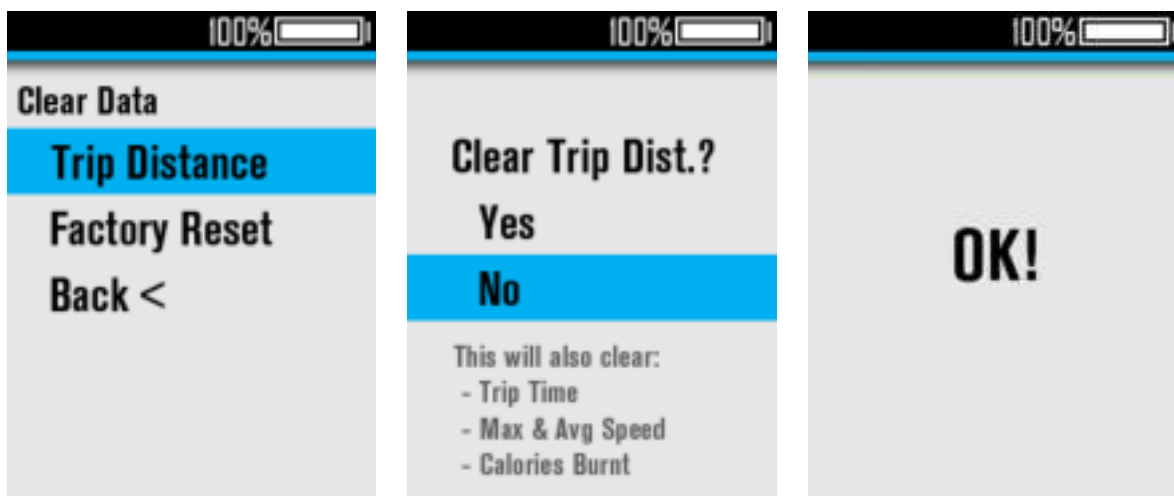
To enter the user menu, please long press the [+] and [-] combination buttons for 1s on the riding interface when static.

This interface will automatically return to the riding interface when there is no operation for more than 60s.



### 1、 Clear Data

In the "Clear Data" menu interface, select the "Trip Distance" menu item, click the [+] / [-] to switch (the default option is "No"), and click [i] to confirm and automatically return to the previous menu interface.



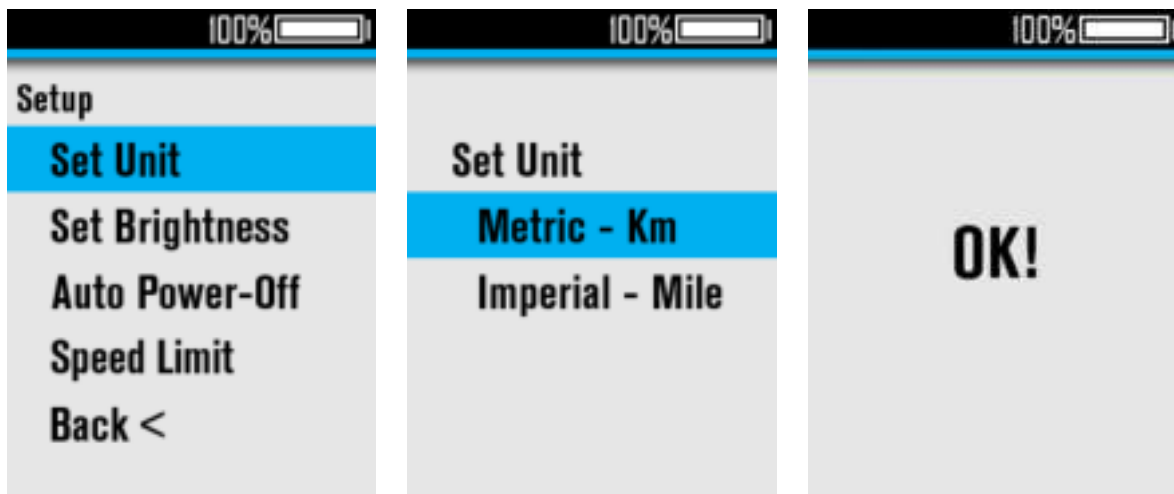
## 2、 Factory Reset

In the "Clear Data" menu interface, select the "Factory Reset" menu item, click the [+] / [-] to switch (the default option is "No"), and click the [i] to confirm and automatically return to the previous menu interface. After "Factory Reset", some functions need to be restarted to take effect.



## 3、 Set Unit

Select "Set Unit" and click the [i] to enter the submenu, you can select the unit: Select the "Set Unit" menu item, click [i] to enter, and click [+] /[-] to switch the unit. Click [i] to confirm and automatically return to the previous menu interface.





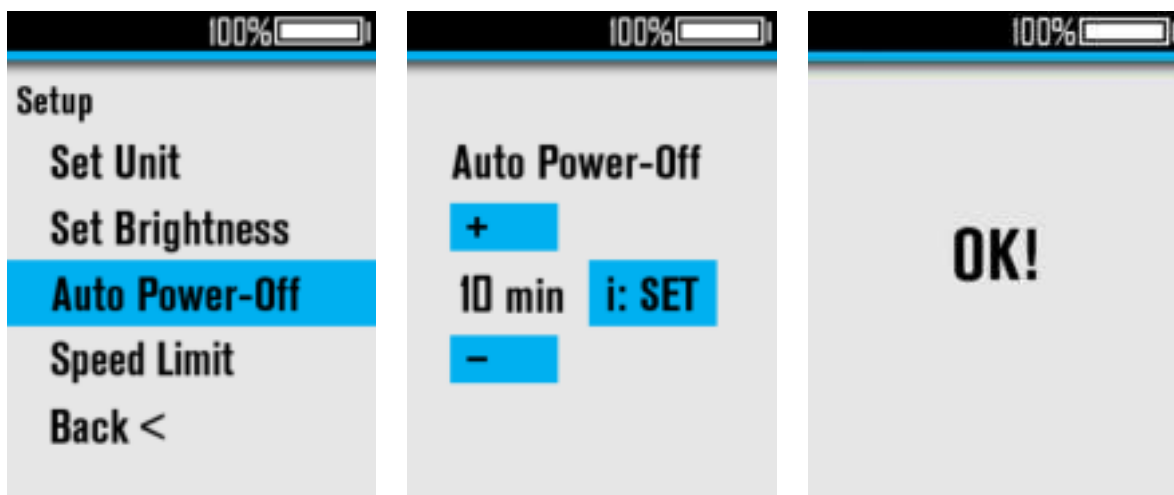
#### 4、 Set Brightness

Select “Set Brightness” and click [i] to enter the submenu, the adjustment range is Auto, 1-5;  
Click [i] to confirm and automatically return to the previous menu interface.



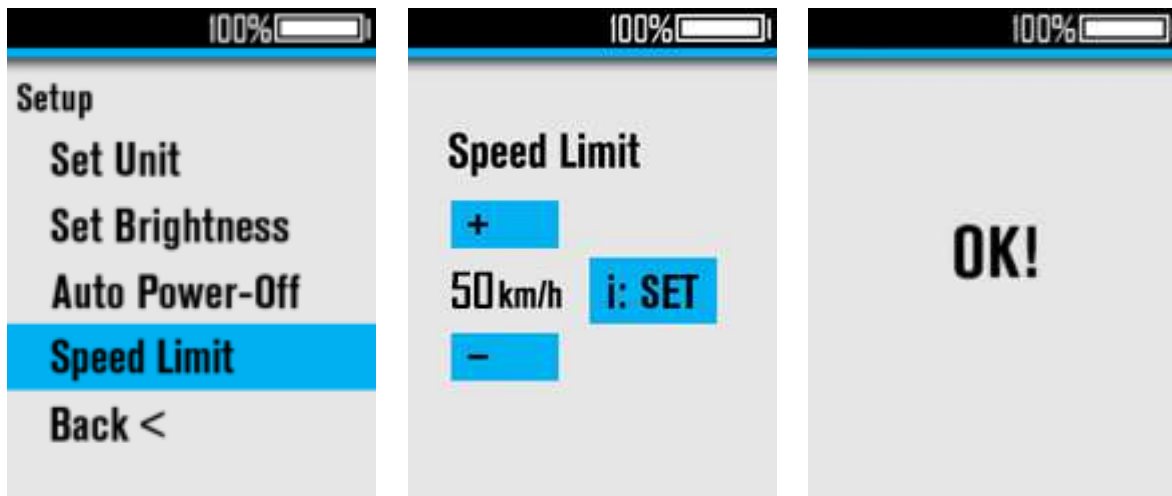
#### 5、 Auto Power-Off

Select “Auto Power-off” and click [i] to enter the submenu, the adjustment range is 0-99(unit: min),  
0=Never auto power-off.  
Click [i] to confirm and automatically return to the previous menu interface.



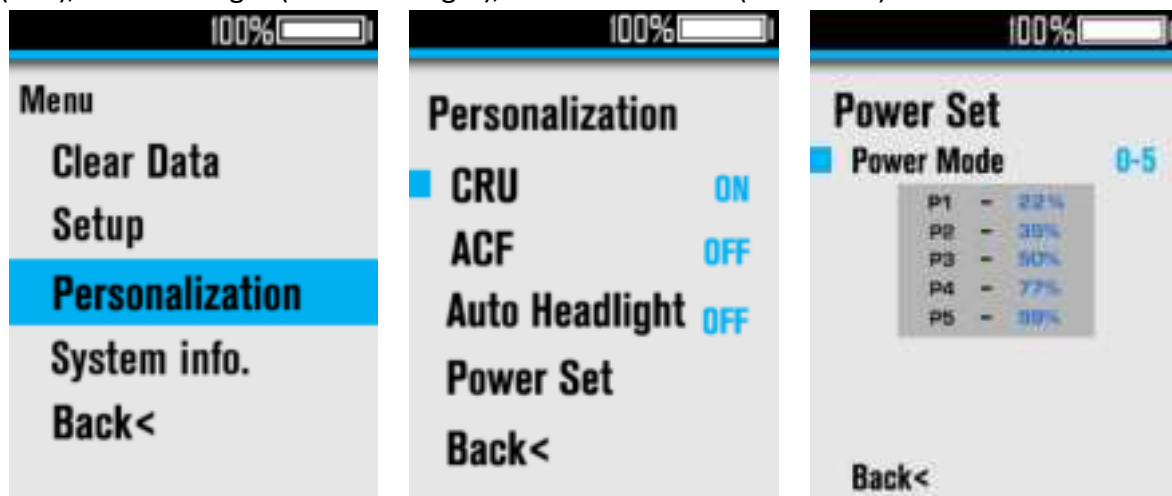
## 6、 Speed Limit

Select "Speed Limit" and click [i] to enter the submenu, the adjustment range is 22-50km/h  
Click [i] to confirm and automatically return to the previous menu interface.



## 7、 Personalization

Click [i] to enter the "Personalization" menu interface, you can set cruise control (CRU), reverse charging current (ACF), auto headlight (Auto Headlight), Assist level PWM (Power Set).



Select "CRU", press [i] to adjust ON/OFF;

Select "ACF", press [i] to adjust ON/OFF;

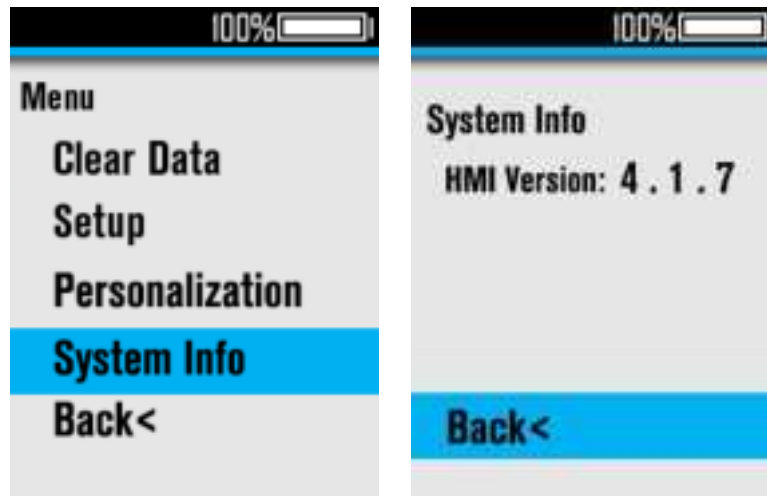
Select "Auto Headlight", press [i] to adjust ON/OFF;

Select "Power Set", press [i] to enter, and press [i] again to select "Power Mode", click [i]/[i] to switch the assist level range, the adjustment range is 0-3/1-3/0-5/1-5/0-7/1-7/0-9/1-9. Click [i] to confirm and exit, click [i]/[i] to change the percentage value of each assist level.

## 8、 System Info

Select “System Info” and click [i] to check the version info.

Click [i] to return to the previous menu interface.



## ■ Attentions

1. Be sure to power off first before connecting and disconnecting the cable, or the display will be totally damaged;
2. When fix the display to the ebike, please ensure that the torque of the screwdriver is about 0.5N.M (DO NOT EXCEED 0.6N.M), or it will cause damages to the handle;
3. Do not put the display into water;
4. The display can be wiped with wet and soft cloth, but DO NOT use any chemical liquid or spray on the display;
5. Please abide by local laws and regulations when scrapping, discard or recycle in an environmentally friendly way, and do not discard the instrument or any accessories as resident waste;
6. The damage and failure of the instrument caused by improper installation or use are not covered by the after-sale warranty.
7. For more information and support, please contact [support@riding-evolved.com](mailto:support@riding-evolved.com).