



User Manual

BC182 Series

Version: CH-V0.3

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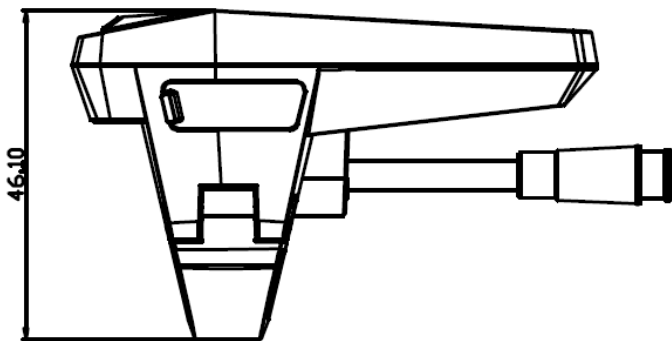
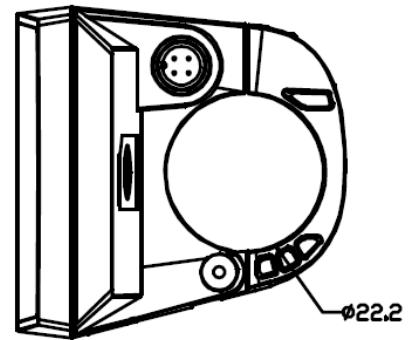
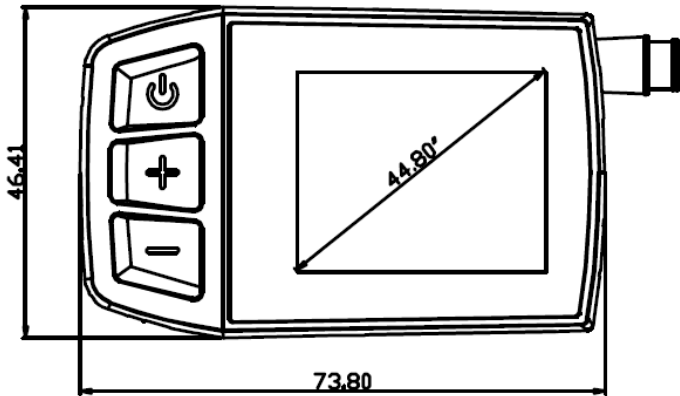
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■ Appearance and Size



Display Appearance Drawing

● Size Specification



Display Size Specification

■ Features Introduction

● Features & Parameters




BC182 offers display function about common cycling data and statistical result, as well as some practical functions.

- ◆ Current Speed, Max Speed, Average Speed
- ◆ Current Motor Power
- ◆ Battery Level
- ◆ Assist Gears
- ◆ Total Range, Trip Range
- ◆ Trip Time
- ◆ Calorie Consumption
- ◆ Light Indicator
- ◆ Metric (km/h)/British (mph) Unit Shifts.
- ◆ Error Code
- ◆ Backlight Adjustment
- ◆ Auto Power off Time
- ◆ USB Port (5V/1000mA)

In addition, the Bluetooth version supports the following features:

- ◆ APP connection
- ◆ Data Synchronization
- ◆ Cycling Ranking
- ◆ Riding Track Records

● Button Description

Button	Name	Function
	【Power】	1、 Power on/off 2、 Function Confirmation
	【+】	1、 Parameter Adjustment 2、 Light on/off 3、 Menu Operation
	【-】	1、 Parameter Adjustment 2、 Push Assist Starts/Shuts 3、 Menu Operation

■ Operation

● Power on/off

Under power off status, long press **【Power】** to enter logo interface with power-on interface after 1s and cycling interface after 2s.



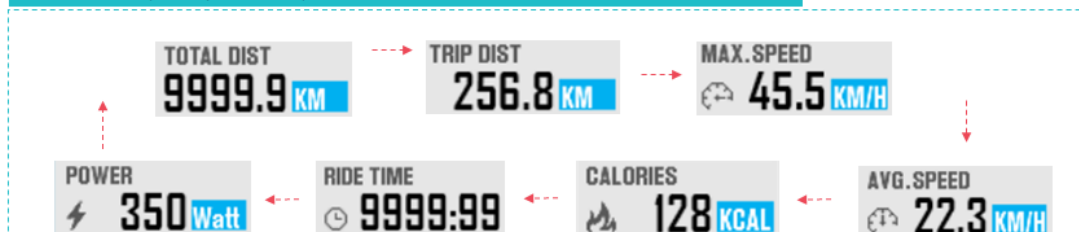
In any working interfaces, long press **【Power】** to switch off.

● Cycling Interface

The cycling interface supports multiple parameters display:



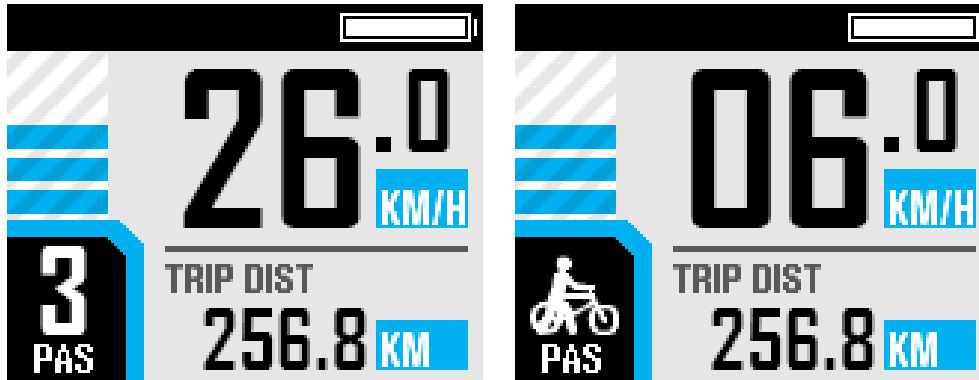
Short press "Power" to switch to display area (the interface is saved for power cutoff, see attachment for specific parameters.)



- Gears Shifts

Click on **【+】** / **【-】** button to shift gears;

Long press **【-】** for 2S to start 6km/h push assist mode and release **【-】** to exit push assist mode.

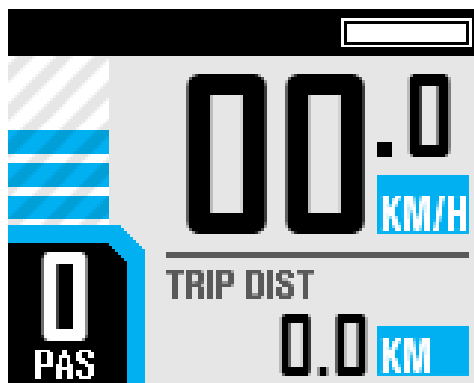


- Turn on/off lights

Long press **【+】** for 2s to turn on/off the lights during E-bike is running.

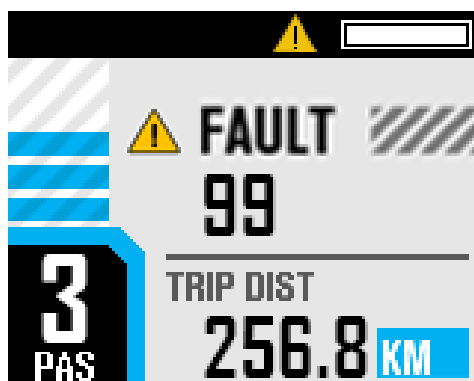
- Reset Trip Range

Long press **【Power】** and **【+】** synchronously to reset the trip range:



。 Note: For the Bluetooth version, the max speed, average speed, the total trip time and calories can be reset synchronously.

- Error Display



Common Error Codes (the error codes are related with E-bike's fitting part (please refer to the information below):

KM5S Protocol Error Code

Error Code (hexadecimal)	Meaning
21	Overcurrent Error
22	Throttle Hall Error
23	Motor Phase Error
24	Motor Hall Error
25	Brake Error
26	Undervoltage Warning
30	Communication Error

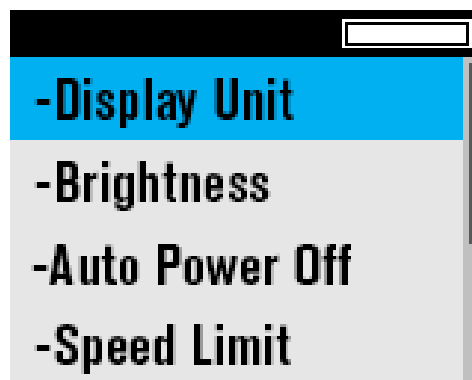
Lithium Battery No.2 Protocol Error Code

Error Code (hexadecimal)	Meaning
02	Overcurrent Error
06	Throttle Hall Error
07	Motor Phase Error
08	Throttle Hall Error
09	Overcurrent Error
14	Motor Hall Error
30	Communication Error

● User Menu

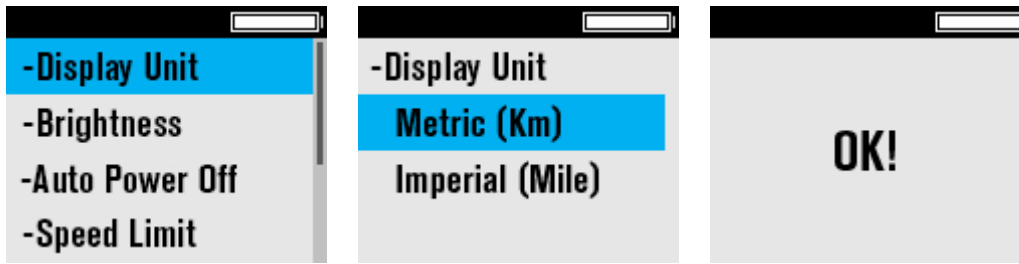
In a static and fault-free state, long press **【+】** and **【-】** or 1s synchronously to enter the user menu interface. The speed limits, data unit, auto power-off time and backlight brightness can be set up. The Bluetooth connection can be set in menu with Bluetooth version.

If the interface doesn't operate for 60s, system will return Riding interface automatically.



1、 Unit Setting

Selecting menu "Set Unit", click on **【+】** / **【-】** to shift unit. Click on **【Power】** to confirm and save, then shift to "OK" interface, it returns to setting menu interface automatically after 2s standstill.



2、Backlight Brightness setting

Selecting menu “Brightness”, click on **【+】** / **【-】** to shift brightness setting, the adjustment range is Auto 1-5.

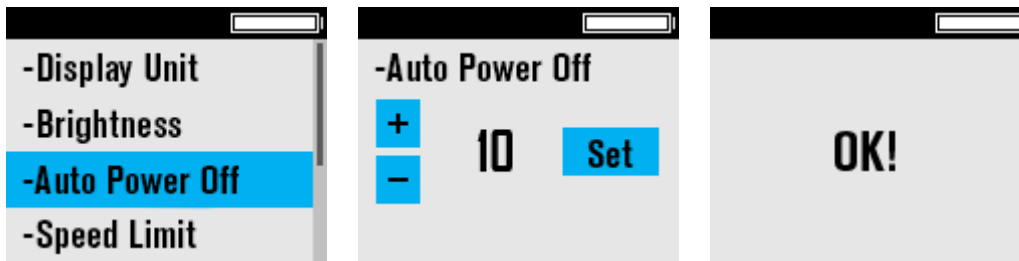
Clicking on **【Power】** to confirm and save, then shift to “OK” interface, it returns to setting menu automatically after 2s standstill.



3、Auto Power-off Time

Selecting menu “Set Auto Off”, click on **【+】**/**【-】**to shift auto power off time, the adjustment range is 0-99 (in minute). 0 is switch off the function of auto power off.

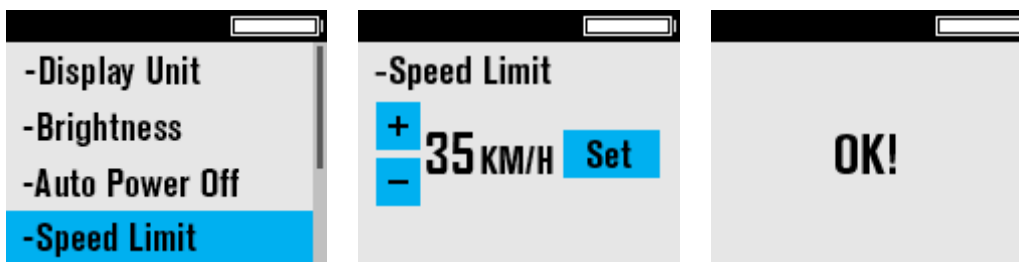
Clicking on **【Power】** to confirm and save, then shift to “OK” interface, it returns to setting menu automatically after 2s standstill.



4、Speed Limits Adjustment

Selecting menu “Speed Limit”, click on **【+】** / **【-】** to adjust speed limiting, the range is 12-40km/h. Please note that speed limiting and setting unit keep synchronized, which can shift to mph.

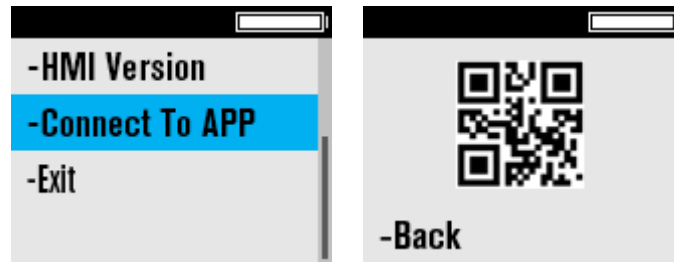
Clicking on **【Power】** to confirm and save, then shift to “OK” interface, it returns to setting menu automatically after 2s standstill.



5、Bluetooth connection setting (Bluetooth version only)

To connect the display for the first time, it need choose “Connect To APP” in menu, scan QR code by APP to bind E-bike.

User can search and connect by APP. After operation is finished successfully, the icon “Bluetooth” stops flickering but lights constantly.

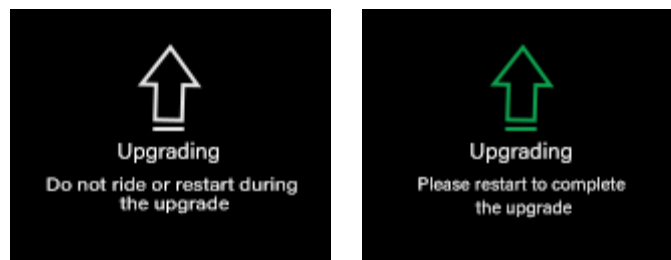


After downloading APP and registering, user need scan the QR code on Bickwise Pro, the Bikewise pro download link is below:



- **OTA upgrade (Bluetooth Version Only)**

After APP is linked, OTA upgraded will activate display to be in OTA upgraded status. Shut down and reboot after OTA upgraded is finished.



Upgrading

Finished

■ Advanced Menu

BC182 provides advanced menu for E-bike manufacturer, which could adjust the E-bike configuration and the following parameters:

- ◆ Wheel Diameter
- ◆ Battery Voltage
- ◆ Speed Sensor

● Enter Advanced Menu

When the display is in a shutdown status, long press **【Power】** for 6s, it runs and the advanced menu interface displays



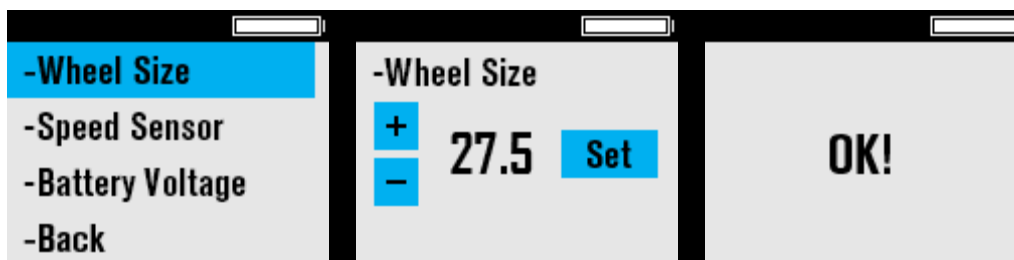
Click on **【+】** / **【-】** to adjust flickering parts and click on **【Power】** to change flickering part or confirm the login. If password input is wrong, the 1st number will flicker again, user can readjust each digit.

Please contact our sales team to gain the password.

● Wheel Diameter

Select “Wheel Diameter” and click on **【+】** / **【-】** to adjust wheel diameter digit (in Inch), adjustment range: 16/18/20/22/24/26/27.5/28/700C.

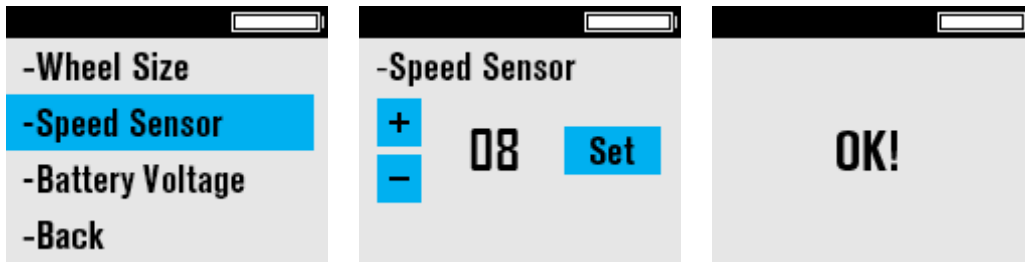
Clicking on **【Power】** to confirm and save, then shift to “OK” interface, it returns to setting menu automatically after 2s standstill.



● Speed Sensor

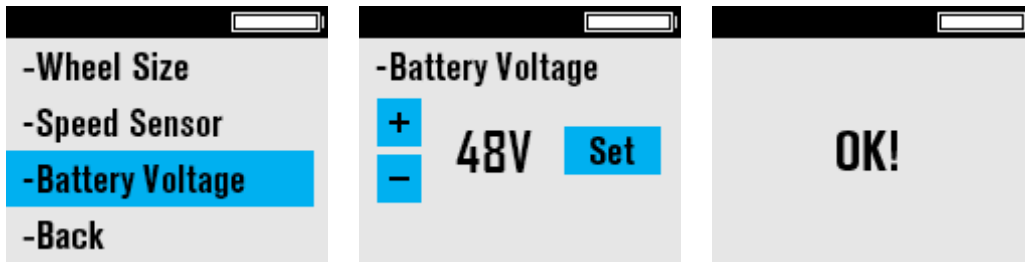
Select menu “Speed Sensor”, click on **【+】** / **【-】** to adjust digit, adjustment range: 1-12.

Clicking on **【Power】** to confirm and save, then shift to “OK” interface, it returns to setting menu automatically after 2s standstill.



- Power Voltage

Select menu “Battery Voltage”, click on **【+】**/**【-】** to shift battery voltage (in volt), the range: 36V/48V/52V, click on **【Power】** to confirm and save, then switch to next interface.



- Exit

1. If there's no operation for 60s in any working interface, system enters Riding interface automatically.
2. Long press **【Power】** for one second in any working interface to power off.

■ Attentions

1. Please make sure to turn off the power before the device is connected, otherwise it causes device damaged permanently;
2. Please make sure to fix the inner hexagon screws with maximum torsion value less than 1Nm, otherwise it causes device damaged;
3. The device is not permitted to soak in water;
4. Please use soft wet cloth to wipe the surface and clean the device, DO NOT use or spray any chemical liquid;
5. The USB port of display is NOT waterproof. Please ensure the protective rubber plug is tucked tightly during riding in the rain. It's forbidden to connect external devices in the rain;
6. Please scrap the device abide by local laws and regulations, discard or recycle in any eco-friendly way. Please do not discard device or any accessories as domestic garbage;
7. Improper installation, human damage and failure are not covered by the after-sale warranty;
8. Please contact support@riding-evolved.com for pre-sale and after-sale matters.