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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

<table>
<thead>
<tr>
<th>Name</th>
<th>Functions</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Power]</td>
<td>1. Power on/off</td>
</tr>
<tr>
<td>[+]</td>
<td>1. Parameter adjustment</td>
</tr>
<tr>
<td></td>
<td>2. Menu operation</td>
</tr>
<tr>
<td></td>
<td>3. Long press → Cruise on/off</td>
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<tr>
<td>[-]</td>
<td>1. Parameter adjustment</td>
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<td></td>
<td>2. Pedestrian mode on/off</td>
</tr>
<tr>
<td></td>
<td>3. Menu operation</td>
</tr>
<tr>
<td>[Light]</td>
<td>1. Light on/off</td>
</tr>
<tr>
<td>[i]</td>
<td>1. Parameters confirm</td>
</tr>
<tr>
<td></td>
<td>2. Long press → Change mode</td>
</tr>
</tbody>
</table>
## 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

- **Battery indicator**
- **Light indicator**
- **Real-time speed**
- **Speed unit**
- **Real-time motor power**
- **Turning green during power recycling**
- **Multifunctional display area**

**Multifunctional display area**: Short press [i] button to change

- **TOTAL DIST.** 3539 KM
- **TRIP DIST.** 3593.4 KM
- **POWER** 253 W
- **AVG SPEED** 35.3 KM/H
- **MAX SPEED** 35.3 KM/H
- **TRIP TIME** 1035 h 23 m
- **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):**

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>Current or Mos Error</td>
</tr>
<tr>
<td>22</td>
<td>Throttle Error</td>
</tr>
<tr>
<td>23</td>
<td>Motor Phase Error</td>
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<tr>
<td>24</td>
<td>Motor Hall Error</td>
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<tr>
<td>25</td>
<td>Brake Error</td>
</tr>
<tr>
<td>26</td>
<td>Low-voltage protection</td>
</tr>
<tr>
<td>30</td>
<td>Communication Error</td>
</tr>
</tbody>
</table>
**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.

- **Clear Data**
  - Trip Distance
  - Factory Reset
  - Back <

- **Clear Trip Dist.?**
  - Yes
  - No

This will also clear:
- Trip Time
- Max & Avg Speed
- Calories Burnt
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 [+] or [-] 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 [+] or [-] 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.