1 LCD instructions

The figure of LCD display see below:
1.1 Power On/Off
Press and hold Power button for 2 seconds can turn on/off the Meter. The Meter will automatically shut down when there is no operation or riding for 5 minutes.

1.2 Pedal Assist (PAS) opera
Short press UP/DOWN button can change the PAS level. The Default setting when the system powers on is Level "0" or PAS off. Levels 1-5 will make PAS active.

1.3 Speed mode switch
Short press LEFT button can change the speed mode, Speed->AVG Speed->MAX Speed.

*If there is no operation for 5 seconds, the meter will return Speed (Real-Time) display automatically.

1.4 Mileage mode switch
Short press RIGHT button can change the mileage mode, Trip->ODO-> Time.

1.5 Headlight/backlight On/Off
Press and hold UP button for 2 seconds can turn on/off the headlight/backlight.

The motor does not work when the battery voltage is low, meter still can keep the headlight on for a while when E-bike is in riding.

*At the automatic light sensor mode, press and hold the UP button can turn on the backlight / headlights. If automatic light sensor had opened the backlight / headlight, press and hold the UP button can not turn it off. First you should turn off the automatic sensor mode in meter settings, and then turn off the light manually.

1.6 6km walk
Press and hold DOWN button for 2 seconds can get into 6km walk mode, out of the mode when release the button.

1.7 Data cleanup
Press and hold RIGHT button for 2 seconds can cleanup the several temporary data, the temporary data include AVG Speed / MAX Speed / Trip / Time.

2 Parameter settings
Double press POWER button(press interval less than 0.3 second), the Meter get into parameter setting state, the current parameter flashing, short press UP/DOWN buttons to set the parameter values, short press LEFT/DOWN buttons to switch the parameters, short press POWER button to exit the parameter setting state. The meter will automatically exit
the parameter setting state when there is no operation for 10 seconds.

The order of parameter settings are as follows

![Diagram of parameter settings](diagram.png)

2.1 Kilometer / Mile : The location of speed display symbol S7, press UP/DOWN button rotate display the symbol km/h / MPH (Km / Mile).

2.2 °C/°F : the location of speed display symbol CF, press UP/DOWN button rotate display the symbol °C / °F.

2.3 Light sensitive : The location of speed display symbol bl0, press UP/DOWN button display symbol 0~5, 0 indicate automatic headlight/backlight OFF. 1~5 indicate automatic headlight/backlight ON. 1 indicates the brightest on (auto turn on the backlight at bright environment), 5 indicates the darkest on (auto turn on the backlight at dark environment).

2.4 Backlight brightness : The location of speed display symbol bl1, press UP/DOWN button display symbol 1~5 to change the brightness of the backlight.

2.5 Buzzer on/off : The location of speed display symbol bEP, press UP/DOWN button display symbol 0/1, 0 indicates buzzer off, 1 indicates buzzer on.

2.6 Auto off time : The location of speed display symbol OFF, press UP/DOWN button display symbol 1~9, represent automatically shutdown delay time (minutes), default value is 5 minutes.

2.7 Power display : The location of speed display symbol Pod, press UP/DOWN button display symbol 0/1, represent whether to show the power indicate on LCD.

2.8 Maintain remind : The location of speed display symbol nNA(ma), press UP/DOWN button rotate display symbol 0/1, 0 represent maintain reminding off, 1 represent maintain reminding on.

2.9 Wheel diameter : The location of speed display symbol Wd, press UP/DOWN button rotate display the symbol 16/18/20/22/24/26/700C/28/29, value represents the diameter of the wheel (inch).
2.10 Password/Speed limit set: The location of speed display symbol PSd, remind to input passwords, press UP/DOWN buttons to setup password value (0~9), press LEFT/RIGHT buttons to switch the password item, password is 4 digits, the default password is "1919". Press POWER button when password adjustment is completed. Meter will return to the Voltage set item if the password is incorrect. Correct password will enter the Speed limit set item.

2.11 Speed limit set: The location of speed display symbol SPL, the location of mileage display speed limit value, the default value is 32km/h. Press UP/DOWN buttons to adjust the speed limit value, speed limit value can be adjust from 10 to 99km/h. Press POWER button to confirm when you finish the adjustment.

10 Error Code

800U meter can give warning when E-bike has error, LCD display error icon and error code in speed position, display Ex, x=1~7, definition see the table below.

<table>
<thead>
<tr>
<th>Error Code</th>
<th>Error description</th>
<th>Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x01</td>
<td>Communication Error</td>
<td>Check the cable connection</td>
</tr>
<tr>
<td>0x02</td>
<td>Controller protection</td>
<td>Check three-phase power line.</td>
</tr>
<tr>
<td>0x03</td>
<td>three-phase power error</td>
<td>Check three-phase power line connection</td>
</tr>
<tr>
<td>0x04</td>
<td>Battery low</td>
<td>Charge the battery</td>
</tr>
<tr>
<td>0x05</td>
<td>Brake error</td>
<td>Check the brake connection.</td>
</tr>
<tr>
<td>0x06</td>
<td>Turn error</td>
<td>Check turn to connect.</td>
</tr>
<tr>
<td>0x07</td>
<td>Hall error</td>
<td>Check the hall connection</td>
</tr>
<tr>
<td>0x08-0x0F</td>
<td>Reserved</td>
<td></td>
</tr>
</tbody>
</table>
11 Assembly instructions

There are two installation methods for the clamp, forward or backward, according to user’s demands.

12 Warning

There is waterproof membrane inside the sound hole. Don’t insert sharp object into the hole, it will cause waterproof failure.

Sun exposure may cause high temperature indicate, this is not meter’s failure.