Operation instructions

1. Product Name
   - The middle install intelligent LCD Display

2. Model:
   - C965A

3. Suppliers
   - www.szbuf.com

4. Electrical Parameters
   - 3.1: 24V/36V battery supply (48V optional)
   - 3.2: Rated operating current: 10mA
   - 3.3: Max operating current: 30mA
   - 3.4: Off leakage current <1uA
   - 3.5: Max output current to controller: 50mA
   - 3.6: Operating temperature: -30~70°C
   - 3.7: Storage temperature: -30~80°C

5. Dimensions & Material
   - 4.1: Product shell is ABS, transparent windows are made with high strength Acrylic, the stiffness equals the tempered glass
   - 4.2: Dimensions: hostL90mm*W54mm*H13.3mm

6. LCD display:
   - The figure of LCD display is shown below:

   ![LCD Display Figure]

7. Functional Description
   - 7.1 Power On/Off
     - Press and hold Power button for 1 second can turn on/off the display. The display can automatically shut down when there is no operation for 10 seconds. In case of no operation for 5 seconds, the display will return Speed (Real-Time) display automatically.

   - 7.2 Headlight/backlight On/Off
     - Press and hold UP button for 1 second can turn on/off the headlight/backlight.

   - 7.3 Speed mode switch: Mileage mode switch
     - Short press POWER button can change the speed modes, the mileage mode, Trip->Time->ODD->AVG Speed->MAX Speed

   - 7.4 Basic Parameter setting
     - Press and hold UP & DOWN buttons together for 1 second can get into the Basic Parameter state, the parameter twinkle. The display will automatically quit the parameter setting state when there is no operation for 10 seconds.

   - 7.5 6Km walk
     - Press and hold DOWN button for 1 second can get into walking mode, out of the mode when release the button.

   - 8.1 Data clean up
     - The location of speed displays symbol 8L1, press UP/DOWN button to rotate display the symbol Y is not need to be cleared, Y needs to be cleared.

   - 8.3 Kilometer / Mile
     - The location of speed displays symbol 57, press UP/DOWN button to rotate display the symbol km/h / MPH (Km/Mile)

   - 8.4 Auto off time
     - The location of speed display symbol 8, press UP/DOWN button to change the value from 1 to 9, the number represent delay time (minutes) before display shut down automatically, default value is 5 minutes.
9.2 Wheel diameter: The location of speed display symbol WD, press UP/DOWN button rotate display the symbol 10/18/26/32/42/28/70/32/28/20. Value represents the diameter of the wheel (inch). Wrong wheel diameter setting will cause speed abnormal.

9.3 Speed limit set: The location of speed displays speed limit value, the default value is 27Km/h. Press UP/DOWN buttons to modify the value the value can be set from 12 to 60Km/h. Press POWER button to confirm when you finish the adjustment.

The maximum speed is restrict by the motor and controller, probably couldn’t reach the setting value.

10 Error Code define
C965A display can give warning message when E-bike exist error. LCD display ERROR icon and the error code in speed position, error code is from 01H~FFH, the definition see the table below.

<table>
<thead>
<tr>
<th>Error code</th>
<th>Error description</th>
<th>Error display</th>
</tr>
</thead>
<tbody>
<tr>
<td>0x01</td>
<td>Normal</td>
<td></td>
</tr>
<tr>
<td>0x03</td>
<td>Brake signal</td>
<td>Display 03 on speed position</td>
</tr>
<tr>
<td>0x06</td>
<td>Low voltage protection</td>
<td>Display 06 on speed position</td>
</tr>
<tr>
<td>0x07</td>
<td>High voltage protection</td>
<td>Display 07 on speed position</td>
</tr>
<tr>
<td>0x08</td>
<td>Hall line of motor error</td>
<td>Display 08 on speed position</td>
</tr>
<tr>
<td>0x09</td>
<td>Phase line of the motor error</td>
<td>Display 09 on speed position</td>
</tr>
<tr>
<td>0x10</td>
<td>High temperature of controller</td>
<td>Display 10 on speed position</td>
</tr>
<tr>
<td>0x11</td>
<td>Controller’s temperature sensor error</td>
<td>Display 11 on speed position</td>
</tr>
<tr>
<td>0x12</td>
<td>Current sensor error</td>
<td>Display 12 on speed position</td>
</tr>
<tr>
<td>0x13</td>
<td>Battery’s temperature sensor error</td>
<td>Display 13 on speed position</td>
</tr>
<tr>
<td>0x14</td>
<td>Motor’s temperature sensor error</td>
<td>Display 14 on speed position</td>
</tr>
<tr>
<td>0x21</td>
<td>Motor’s speed sensor error</td>
<td>Display 21 on speed position</td>
</tr>
<tr>
<td>0x22</td>
<td>BMS communication error</td>
<td>Display 22 on speed position</td>
</tr>
<tr>
<td>0x23</td>
<td>Head light error</td>
<td>Display 23 on speed position</td>
</tr>
<tr>
<td>0x30</td>
<td>Communication error</td>
<td>Display 30 on speed position</td>
</tr>
</tbody>
</table>

11 Assembly instruction
Please pay attention to the screw’s torque value, damaged caused by excessive torque is not within the scope of warranty.

There are 2 directions for the clamp installation, forward or backward. Different assembly methods will need different cable length.

Clamps suit for 3 size of handlebar, 31.8mm, 25.4mm 22.2mm, there are transfer rings for 25.4mm and 22.2mm, transfer ring must be assembled with the special directions, pay attention to the green arrow below.

M3 ten 10
STD=0.5N.M
MAX=0.7N.M

M4*10
STD=0.5N.M
MAX=0.7N.M

M4*8
STD=0.5N.M
MAX=0.7N.M