7 USER MANUAL FOR DP E10.CAN

CONTENT

7.1 IMPORTANT NOTICE

- If the error information from the display cannot be corrected according to the instructions, please contact your retailer.

- The product is designed to be waterproof. It is highly recommended to avoid submerging the display under water.

- Do not clean the display with a steam jet, high-pressure cleaner or water hose.

- Please use this product with care.

- Do not use thinners or other solvents to clean the display. Such substances can damage the surfaces.

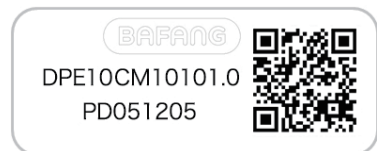- Warranty is not included due to wear and normal use and aging.

7.2 INTRODUCTION OF DISPLAY

- Model: DP E10.CAN BUS

- The housing material is PC, as following:

- The label marking is as follows:

Note: Please keep the QR code label attached to the display cable. The information from the Label is used for a later possible software update.

7.3 PRODUCT DESCRIPTION

7.3.1   Specifications

- Operating temperature: -20℃~45℃
- Storage temperature: -20℃~50℃
- Waterproof: IP65
- Storage room Humidity: 30%-70% RH

### 7.3.2   Functional Overview

- Battery capacity indicator
- Indication of performance support
- Walk assistance
- Automatic sensors explanation of the lighting system
- Indication for error messages
- USB port for charging

7.4 DISPLAY
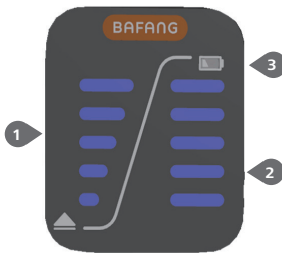
1 Support level and walk assistance indicator
2 Battery capacity LED indicator
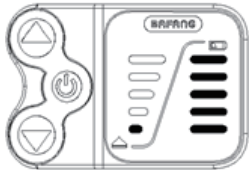3 Light sensor for lighting system

7.5 KEY DEFINITION

Up

System On/Off

Down
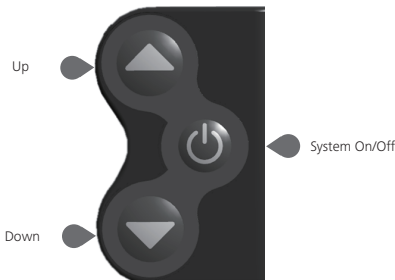
7.6 NORMAL OPERATION

7.6.1 Switching the System ON/OFF

Press and hold 🔘 (>2S) on the display to turn on the system.

Press and hold 🔘 (>2S) again to turn off the system.

7.6.2 Selection of Support Levels

When the display is turned on, press the 🔽 or 🔼 (<0.5S) button to switch to the support level, the lowest level is 1, the highest level is 5. When the system is switched on, the support level starts in level 1. There is no support at level 0.

7.6.3 Headlights / backlighting

Hold the 🔼 (>2S) button to activate the headlight and taillights.

Hold the 🔼 (>2S) button again to turn off the headlight and taillight. (If the display is turned on in a dark environment, the display backlight/ headlight will be turned on automatically. If the display backlight/headlight are turned off manually, they also need to be turned on manually afterwards)

7.6.4 Walk Assistance

The Walk assistance can only be activated with a standing pedelec.

Activation: Briefly press 🔽 continuously until to level 0. At this point, briefly press 🔽 again and the indicator of the highest level will start to flash, then press 🔽 and hold (>2S), the level indicator will flash successively from 1st to 5th. Then the walk assistance mode is activated and the pedelec moves approx. 6 km/h.

After releasing the ● button, the motor stops automatically. The Level indicators stop flash and the level 5 indicator starts to flash. If no any operation is happened in 5 second, the level indicator will be automatically switched to level 0.
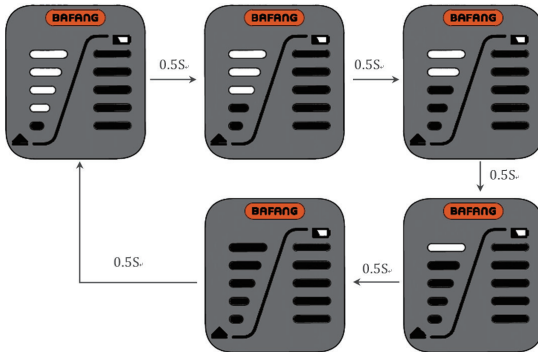
7.6.5 Battery Capacity Indication

The battery capacity is indicated with 5 levels. When the lowest level indicator flashes that means battery needs to charge. The battery capacity is shown as follows:

LED indication definition (from down to up)	Capacity Range
5	80%-100%
4	60%-80%
3	40%-60%
2	20%-40%
1	5%-20%
1 flashing	<5%

7.6.6 USB Charge Function

If an external USB device is connected to the display, the device will be charged.

The maximum charging voltage is 5V and the maximum charging current is 500mA.

7.7 ERROR CODE DEFINITION

ℹ️ The display can show the errors of a pedelec. When the fault is detected, the error code will be displayed through the level indicator in flashing. Level 1 indicates the tens digit of an error code while level 2 indicates the units digit. For example:
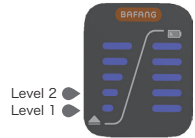
Level 2
Level 1

1) Error code 04
The LED indicator for level 1 does not light, and level 2 flickers for 4 times. After 1 second pause, repeat the pattern.
2) Error code 11
The level 1 flickers one time, then level 2 flickers one time. After 1 second pause, repeat the pattern.

Note: Please read carefully the description of the error code. When the error code appears, please first restart the system. If the problem is not eliminated, please contact your dealer or technical personnel.

Error	Declaration	Troubleshooting
04	The throttle is not back in its correct position.	Check the throttle can adjust back into its correct position, if the situation does not improve, please change to a new throttle.(only with this function)
05	The throttle has fault.	1. Check the connector of throttle whether they are correctly connected. 2. Disconnect the throttle, If the problem still occurs, please contact your retailer. (only with this function)
07	Overvoltage protection	1. Remove the battery. 2. Re-Insert the battery. 3. If the problem persists, please contact your retailer.
08	Error with the hall sensor signal inside the motor	Please contact your retailer.
09	Error with the Engine phase's	Please contact your retailer.
10	The temperature inside the engine has reached its maximum protection value	1. Turn off the system and allow the Pedelec to cool down. 2. If the problem persists, please contact your retailer.
11	The temperature sensor inside the motor has an error	Please contact your retailer.
12	Error with the current sensor in the controller	Please contact your retailer.

Error	Declaration	Troubleshooting
13	Error with the temperature sensor inside of the battery	Please contact your retailer.
14	The protection temperature inside the controller has reached its maximum protection value	1. Turn off the system and let the pedelec cool down. 2. If the problem persists, please contact your retailer.
15	Error with the temperature sensor inside the controller	Please contact your retailer.
21	Speed sensor Error	1. Restart the system 2. Check that the magnet attached to the spoke is aligned with the speed sensor and that the distance is between 10 mm and 20 mm. 3. Check that the speed sensor connector is connected correctly. 4. If the error persists, please contact your retailer.
25	Torque signal Error	1. Check that all connections are connected correctly. 2. If the error persists, please contact your retailer.
26	Speed signal of the torque sensor has an error	1. Check the connector from the speed sensor to make sure it is connected correctly. 2. Check the speed sensor for signs of damage. 3. If the problem persists, please contact your retailer.
27	Overcurrent from controller	Please contact your retailer.
30	Communication problem	1. Check all connections are correctly connected. 2. If the error persists, please contact your retailer.

Error	Declaration	Troubleshooting
33	Brake signal has an error (If brake sensors are fitted)	1. Check all connectors. 2. If the error continues to occur, please contact your retailer.
35	Detection circuit for 15V has an error	Please contact your retailer.
36	Detection circuit on the keypad has an error	Please contact your retailer.
37	WDT circuit is faulty	Please contact your retailer.
41	Total voltage from the battery is too high	Please contact your retailer.
42	Total voltage from the battery is too low	Please contact your retailer.
43	Total power from the battery cells is too high	Please contact your retailer.
44	Voltage of the single cell is too high	Please contact your retailer.
45	Temperature from the battery is too high	Please contact your retailer.
46	The temperature of the battery is too low	Please contact your retailer.
47	SOC of the battery is too high	Please contact your retailer.
48	SOC of the battery is too low	Please contact your retailer.
61	Switching detection defect	Please contact your retailer. (only with this function)
62	Electronic derailleur cannot release.	Please contact your retailer. (only with this function)
71	Electronic lock is jammed	Please contact your retailer. (only with this function)
81	Bluetooth module has an error	Please contact your retailer. (only with this function)