

7 USER MANUAL FOR DP C260.CAN



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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 C260.CAN BUS
- The housing material is ABS, the window is PC, the button is TPV material, 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 °C~45 °C
- Storage temperature: -20 °C~50 °C
- Waterproof: IP65
- Bearing humidity: 30%-70% RH

7.3.2 Functional Overview

- Speed indication (including the real-time speed, max. speed and average speed)
- Unit switching between km and mile.
- Battery capacity indication
- Control and indication for the headlight
- Brightness adjustment for backlight
- Support level setting and control
- Indication of support level
- Trip indication (including TRIP, ODO and RANGE)
- Motor power indication (including motor input power, human input power)
- Time indication for single ride
- Walk assistance model
- Indication for error messages
- Indication for battery information
- Indication for consumption of energy CALORIES (NOTE: If the controller has this function)
- Indication for the remaining distance. (NOTE: it needs the controller has this function)

7.4 DISPLAY INFORMATION





- 1 Headlight indication
- 2 Speed display in real-time
- 3 Mode selection:
single-trip distance (TRIP), total distance
ODO, maximum speed (MAX), average speed
(AVG), remaining distance (RANGE), energy
consumption (CALORIES), time (TIME). (Note:
same function needs the Controller supports).
- 4 Support level and walk assistance indication
- 5 Battery capacity indication
- 6 "Service" indication.
- 7 Speed unit indication
- 8 Motor power input indication
- 9 Human power input indication

7.5 KEY DEFINITION

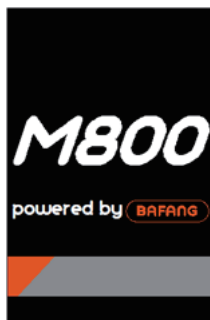


7.6 NORMAL OPERATION

7.6.1 Switching the System ON/OFF



Press  and hold (>2S) to power on the display, the HMI begin to show the boot up LOGO. Press  and hold (>2S) again can power off the HMI.

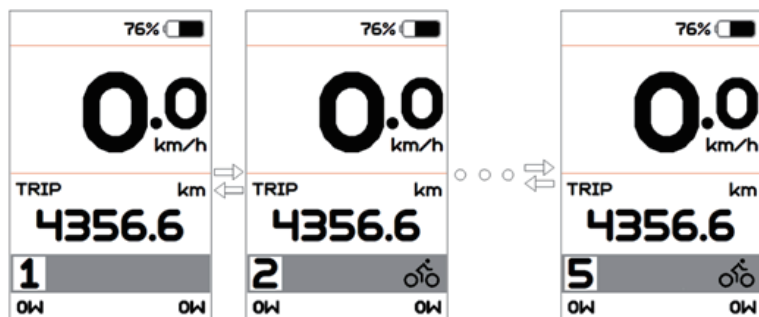
If the "automatic shutdown" time is set to 5 minutes (it can be set in function "Auto Off"), the HMI will be automatically turned off within this set time, When it is not operated.



Welcome interface

7.6.2 Selection of Support Levels

When HMI power on, briefly press  (<0.5s) or  to select the assistance level (the number of assistance level needs to be adapted to controller), The lowest level is Level 0, the highest Level is 5. On the default is Level 1, "0" means no power assistance. The interface is as following:



7.6.3 Selection Mode

Briefly press "Mode" button (<0.5s) to view the different mode and information.

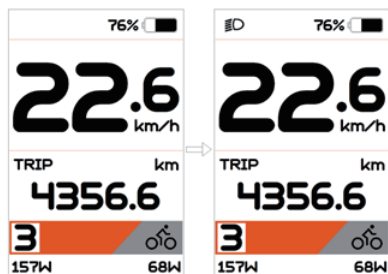
1. System with torque sensor, circularly show single trip distance (Trip,km) → total distance (ODO,km) → maximum speed (MAX,km/h) → average speed (AVG,km/h) → cadence (CADENCE) → energy consumption (CALORIES/CAL,KCal) → riding time (TIME,min) → cycle.
2. If system with a speed sensor, circularly show single trip distance (Trip,km) → total distance (ODO,km) → maximum speed (MAX,km/h) → average speed (AVG,km/h) → remaining distance (RANGE,km) → riding time (TIME,min) → cycle.






7.6.4 Headlights / backlighting

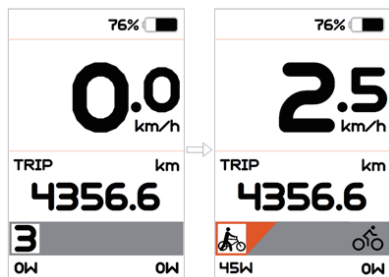
Press and hold (>2s) to turn on the backlight as well as headlight.

Press and hold (>2s) again to turn off the backlight and the headlight. The brightness of backlight can be set in function "Brightness".



7.6.5 Walk Assistance

When your Pedelec is motionless, briefly press  button until the Walk assistance indicator  is displayed. At this point, long press  button, the Pedelec enters the walk assistance mode, the indicator will flash. If release the button will stop this, if no any operations within 5s will automatically return to 0 level. That is stopped from the Walk assistance mode.(as following)



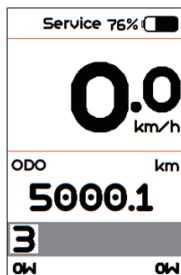
7.6.6 Battery Capacity Indication

The percentage of current battery capacity and total capacity is displayed from 100% to 0% according to the actual capacity (as shown in the figure below)





7.6.7 SERVICE

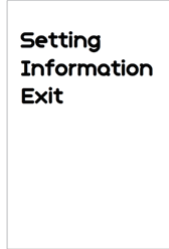
HMI will prompt for maintenance according to the mileage and battery charger times. When mileage exceeds 5000km (100 times for charger) and the "Service" function is enabled, the "SERVICE" indication will be flash displayed at every time for 5s, then enter into the main interface. This function can be set in the interface. For the operation is detailed in the following text.



7.7 SETTINGS

After the HMI powered on, briefly press “Mode” button two times to enter into the “SETTING”. Briefly press  or  (<0.5s) to select and then briefly press (<0.5s) “Mode” button to confirm and enter into the option.



Note: the speed must be “0” then can enter the setting interface.



Into the Setting function

You can quickly press the “Mode” (<0.5S) button twice at any time, or select “BACK” → “EXIT” to exit back to the main interface.



7.7.1 “Setting” interface

In “SETTING” interface, briefly press (<0.5S)  or  to select “Setting” and then briefly press (<0.5S) “Mode” to confirm and enter into “Setting”.

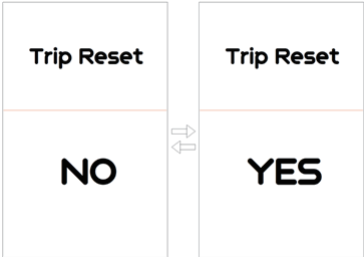


The operations in “Setting” item



7.7.1.1 “TRIP Reset”---set reset function for single-trip

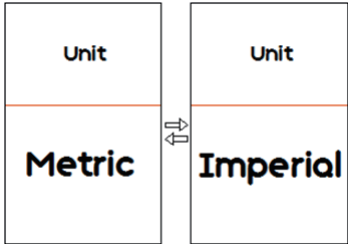
Briefly press  or  to select “TRIP Reset”, and then briefly press “Mode” to enter into the item. Select “NO”/“YES” (“YES”-to clear, “NO”-no operation), then briefly press “Mode” to save and exit back to the “Setting” interface.

NOTE: the cycling time, average speed and maximum speed are reset at the same time.



7.7.1.2 “Unit”--- set unit for km/mile

Briefly press  or  to select “Unit”, and then briefly press “Mode” to enter into the item. Select “Metric”/ “Imperial”, then briefly press “Mode” to save and exit back to the “Setting” interface.



7.7.1.3 “Brightness”--- set backlight brightness

Briefly press  or  to select “Brightness”,

and then briefly press "Mode" to enter into the item. Select the percentage as "100%"/"75%"/"50%"/"30%"/"10%", then briefly press "Mode" to save and exit back to the "Setting" interface.

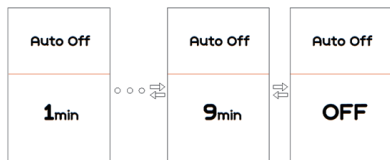
Notice: "10%" is the lowest brightness and 100%" is the highest brightness.



7.7.1.4 "Auto Off"--- set automatic Off time

Briefly press **+** or **-** to select "Auto Off", and then briefly press "Mode" to enter into the item. Select the automatic Off time as "OFF"/"9"/"8"/"7"/"6"/"5"/"4"/"3"/"2"/"1", briefly press "Mode" to save the setting and exit back to the "Setting" interface.

Notice: "OFF" means this function is off, the unit is minute.



7.7.1.5 "Assist Mode"---set assistance level

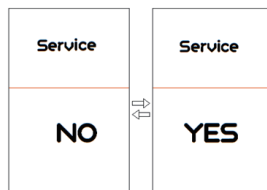
Briefly press **+** or **-** to select "Assist Mode", and then briefly press "Mode" to enter into the item. Select the assistance level

as "3"/"5"/"9", then briefly press "Mode" to save and exit back to the "Setting" interface.



7.7.1.6 "Service"--- turn on/off the Service indication

Briefly press **+** or **-** to select "Service", and then briefly press "Mode" to enter into the item. Select "NO"/"YES" ("YES" means Service indication is on; "NO" means Service indication is off), then briefly press "Mode" to save and exit back to the "Setting" interface.





7.7.2 "Information" interface

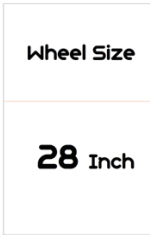
In SETTING interface, briefly press (<0.5S) **+** or **-** to select "Information" and then briefly press (<0.5S) "Mode" to confirm and enter into "Information".

- Wheel Size
- Speed Limit
- Battery Info
- Ctrl Info
- Display Info
- Torque Info
- Error Code
- Back



The operations in "Information" item

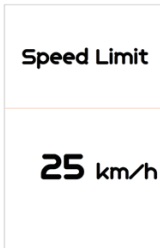
7.7.2.1 View "Wheel Size"

Briefly press  or  to select "Wheel Size", and then briefly press "Mode" to view the wheel size default, then briefly press "Mode" to exit back to the "Information" interface.





7.7.2.2 View "Speed Limit"

Briefly press  or  to select "Speed Limit", and then briefly press "Mode" to view the speed limit default, then briefly press "Mode" to exit back to the "Information" interface.



7.7.2.3 View "Battery Info."

Briefly press  or  to go to "Battery Info.", and then briefly press "Mode" to enter, then briefly press "+" or "-" to view the battery data (b01 → b04 → b06 → b07 → b08 → b09 → b10 → b11 → b12 → b13 → d00 → d01 → d02 → ... → dn → Hardware Ver → Software Ver), then briefly press "Mode" to exit back to the "Information" interface.

Notice: If the battery doesn't have

communication function, you won't see any data from battery.



Code	Code Definition	Unit
b01	Current temperature	°C
b04	Total voltage	mV
b06	Average current	mA
b07	Remaining capacity	mAh
b08	Battery capacity of Full charged	mAh
b09	Relative Charge in percentage	%
b10	Absolute Charge in percentage	%
b11	Cycle Times	times
b12	Max Uncharge Time	Hour
b13	Last Uncharge Time	Hour
d00	The number of cell	
d01	Voltage Cell 1	mV
d02	Voltage Cell 2	mV
dn	Voltage Cell n	mV
Hardware Ver	Hardware Version	
Software Ver	Software Version	

NOTE: If no data is detected, it displays "--".

7.7.2.4 View "Display Info"

Briefly press **+** or **-** to select "Display Info", and then briefly press "Mode" to view it, briefly press **+** or **-** to view "Hardware Ver" or "Software Ver", then briefly press "Mode" to exit back to the "Information" interface.

Hardware Ver
DP C260.C 1.0
Software Ver
DPC260C11 0101.0

7.7.2.5 View "Ctrl Info"

Briefly press **+** or **-** to select "Ctrl Info", and then briefly press "Mode" to view it, briefly press **+** or **-** to view "Hardware Ver" or "Software Ver", then briefly press "Mode" to exit back to the "Information" interface.

Hardware Ver
CR S10F.350. FC 1.0
Software Ver
CRS10FC4313 h101001.0

7.7.2.6 View "Torque Info"

Briefly press **+** or **-** to select "Torque Info", and then briefly press "Mode" to view it, briefly press **+** or **-** to view "Hardware Ver" or "Software Ver", then briefly press "Mode" to exit back to the "Information" interface.

NOTE: If your Pedelec has no torque sensor, then "Torque Info" can not be displayed.

Hardware Ver
SR PA210.32. ST.C 1.0
Software Ver
SRPA210CF1 0101.0

7.7.2.7 View "Error Code"

Briefly press **+** or **-** to select "Error Code", and then briefly press "Mode" to view it, briefly press **+** or **-** to view message of error for last ten times by "E-Code0" to "E-Code9", then briefly press "Mode" to exit back to the "Information" interface.

NOTE: 00 means no error exist.

Error Code
E-Code0 30

7.8 ERROR CODE DEFINITION



The HMI can show the faults of Pedelec. When a fault is detected, one of the following error codes will be indicated.

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.
13	Error with the temperature sensor inside of the battery	Please contact your retailer.

Error	Declaration	Troubleshooting
14	The protection temperature inside the controller has reached its maximum protection value	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 1. Check all connections are correctly connected. 2. If the error persists, please contact your retailer.
33	Brake signal has an error (If brake sensors are fitted)	<ol style="list-style-type: none"> 1. Check all connectors. 2. If the error continues to occur, please contact your retailer.

Error	Declaration	Troubleshooting
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)