Display
User Manual

For Seine

USER GUIDE

DP C240.CAN

Contents

1. Important Notice

- If an error code on the display does not go away after following the recommended instructions, please contact your retailer.

- This product is designed to be waterproof. However, it is highly recommended that you avoid submerging the display completely.

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

- Please exercise caution when using this product.

- Do not use paint thinners or other solvents to clean the display, as these substances can cause damage.

- Wear and tear due to normal use/aging is not covered by the warranty.

2. Display Introduction

- Model: DP C240.CAN BUS

- The housing material is polycarbonate (PC); the display window is made of acrylic materials.

- The label marking is as follows:

Note: Please keep the QR code label attached to the display cable. It can be used to access possible software updates.

3. Product Description

3.1 Specifications

- Operating temperature: –20 ℃–45 ℃

- Storage temperature: –20 ℃–50 ℃

- Waterproof rating: IP65

- Storage room humidity: 30–70% RH

3.2 Overview of Functions

- Speed indicator (including real-time speed, maximum trip speed, and average trip speed)

- Imperial and metric unit options

- Battery capacity indicator

- Automatic lighting system

- Backlight brightness settings

- Support instructions

- Odometer (including single-trip distance, total distance, and remaining distance before recharge)

- BOOST function (with compatible controller)

- Assist level indicator

- Ride time indicator

- Motor power usage indicator

- Walk assist function

- Error message indicator

- Calories burned indicator (with compatible controller)

- Distance to recharge indicator (with compatible controller)

- Button vibration settings

- USB charging (5V and 500mA)

4. Display Example Image

1: Headlight indicator

2: USB connection indicator

3: Battery capacity

4: Real-time speed

5: Assist level

6: Data mode indicator

5. Buttons

6. Normal Operation

6.1 Power On/Off

Press and hold ⏻ (>2 seconds) to turn on the display (the screen should show the boot up logo). Press and hold ⏻ again (>2 seconds) to turn off the display.

The display will automatically power down if not used for the amount of time designated by the Auto Off setting.

6.2 Assist Level Selection

When the display turned on, short press or to change the assist level (the level of motor power provided by the controller), The lowest level is 0 (no assistance), and the highest level is 5. The interface looks like this:

Note: If the controller on your e-bike has the BOOST function, you can activate it by short pressing .

6.3 Ride Information

Short press the button to cycle through settings information.

- For systems with a torque sensor, the settings list is as follows: current trip distance (TRIP, mi or km) → total distance (ODO, mi or km) → maximum trip speed (MAX, mph or km/h) → average trip speed (AVG, mph or km/h) → distance until recharge (RANGE, mi or km) → energy consumption (CALORIES/CAL, kCal) → real-time power usage (POWER, W) → current trip time (TIME, min).

- For systems with a speed sensor, the settings list is as follows: current trip distance (TRIP, mi or km) → total distance (ODO, mi or km) → maximum trip speed (MAX, mph or km/h) → average trip speed (AVG, mph or km/h) → distance until recharge (RANGE, mi or km) → current trip time (TIME, min).

6.4 Backlight and Headlight

Press and hold ⊞ (>2 seconds) to turn on the backlight and headlight. Press and hold ⊞ again (>2 seconds) to turn off the backlight and headlight. The brightness of the backlight can be changed using the Brightness setting. If the display is turned on in a dark environment, the backlight and headlight will be turned on automatically. However, if the backlight and headlight are turned off manually, they will need to be turned on again manually.

6.5 Walk Assist

The walk assist function should only be activated when the bike is stationary.

To turn on walk assist, short press the [button icon] button so that the [walk icon] symbol appears. Next, with the [walk icon] symbol displayed, hold down the [button icon] button. Walk assist should now be activated. The [walk icon] symbol will flash and the bike will move at approximately 3.7 mph (6 km/h). Releasing the [button icon] button will cause the motor to stop automatically, and if no action is detected within 5 seconds, the motor will automatically return to level 0.
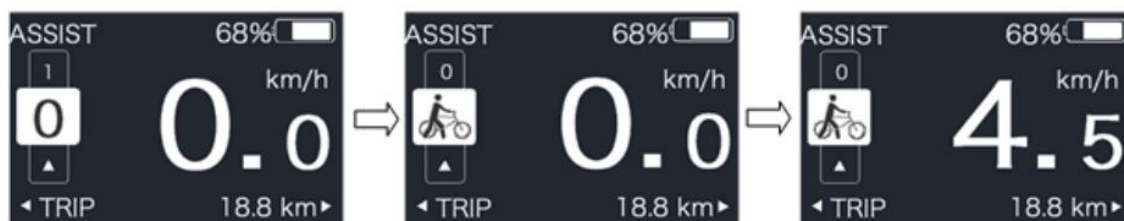
6.6 BOOST Function

While riding, when your speed reaches 15.5 mph (25km/h), you can press and hold the [button icon] button (>2 seconds) to enter BOOST mode. The [button icon] indicator will flash and the motor will switch to maximum output. Releasing the button or otherwise using the display will deactivate BOOST mode.

Note: If the bike has not reached 15.5 mph (25 km/h), the BOOST function cannot be activated. Pressing and holding the [button icon] button (>2 seconds) under these circumstances will cause the display to power off.

6.7 Battery Capacity

The current battery capacity is displayed on the screen in accordance with the figure below.
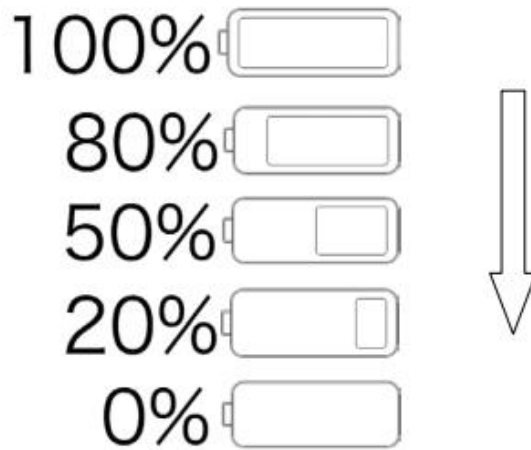
6.8 USB Charging

When the display is off, you can insert a USB adapter into the charging port and then turn on the display to charge the connected device. The maximum charging voltage is 5V, and the maximum charging current is 500mA.

7. Settings

With the display on, press and hold the 🔲 and ▬ buttons to enter the settings menu. Short press the 🔲 or ▬ button to select Settings, Information, or Exit, then short press the 🔘 button to confirm.

- Setting
- Information
- Exit
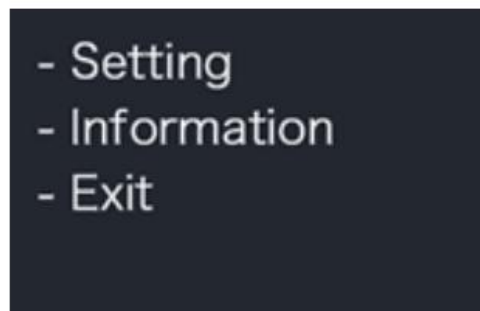
You can press and hold the ⊕ and ⊖ buttons to return to the main menu.

7.1 Display Settings

With the display powered on, press and hold the 🔲 and ▬ buttons to enter the settings menu. Short press 🔲 or ▬ to select Settings and short press 🔘 to confirm.

- Unit
- Auto Off
- Brightness
- Power View
- AI Sensitivity

- Trip Reset
- Vibation
- Service
- Assist Mode
- Back
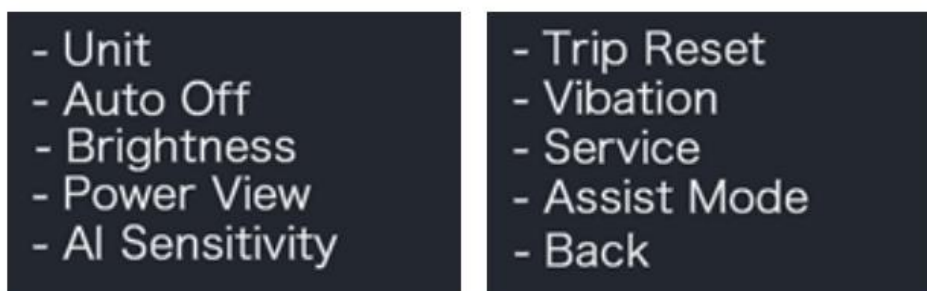
7.1.1 Unit Settings

Short press 🔲 or ▬ to select Units, then short press 🔘 to enter the menu. Choose between Metric (kilometers) and Imperial (miles)

using the ![plus] and ![minus] buttons. Press the ![power] button to save your changes and exit back to Settings.

Unit	Unit
Metric	Imperial
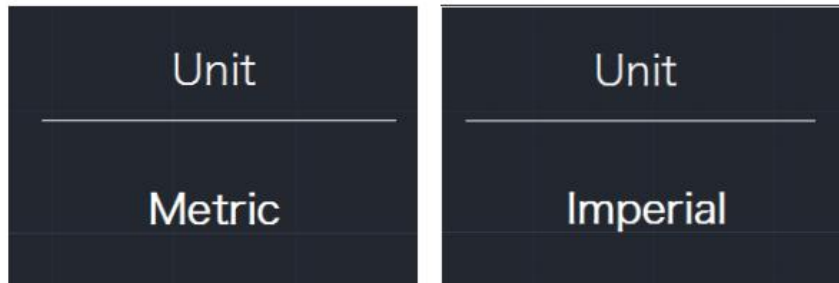
7.1.2 Auto Shutoff Time

Short press ![plus] or ![minus] to select Auto Off, then short press ![power] to enter the menu. Set the automatic shutoff time by selecting OFF or a number from 1 to 9 using the ![plus] and ![minus] buttons. Short press the ![power] button to save your changes and exit back to Settings.

Note: OFF means this function is off, and 1 through 9 is the shutoff time in minutes.

Auto Off	Auto Off	Auto Off
9	1	OFF
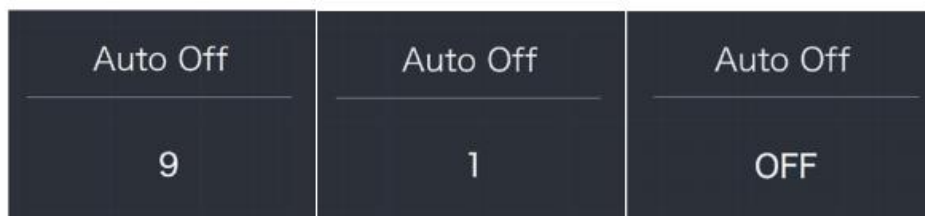
7.1.3 Display Brightness

Short press ![plus] or ![minus] to select Brightness, then short press ![power] to enter the menu. Select from 10%, 30%, 50%, 75%, and 100% with the ![plus] and ![minus] buttons. Short press the ![power] button to save your changes and exit back to Settings.

Note: 10% is the weakest brightness and 100% is the strongest.

Brightness	Brightness	Brightness
100%	75%	50%

Brightness	Brightness
30%	10%
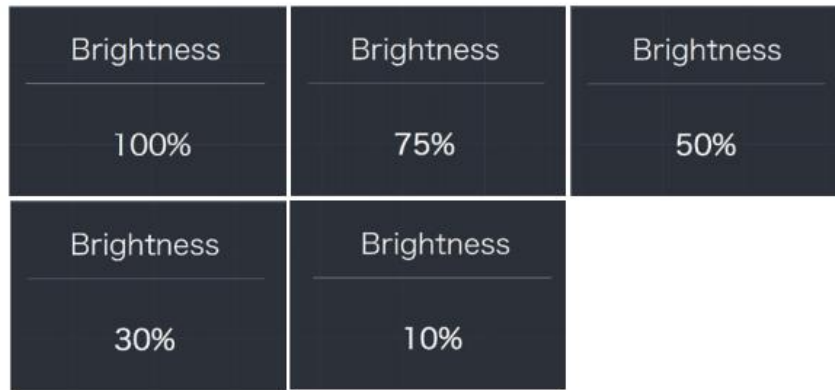
7.1.4 Power Usage Settings

Short press [+] or [−] to select Power View, then short press [⏻] to enter the menu. Select the power usage display mode as Power or Current with the [+] and [−] buttons. Short press the [⏻] button to save your changes and exit back to Setting.

Power View	Power View
Current	Power

7.1.5 Automatic Light Sensitivity

Short press [+] or [−] to select AL Sensitivity, then short press [⏻] to enter the menu. Select the level of sensitivity from 0 to 5 using the [+] and [−] buttons. Short press the [⏻] button to save your changes and exit back to Settings.

Notice: Level 0 means the automatic light sensor is off, 1 is the weakest sensitivity, and 5 is the strongest sensitivity.

| AI Sensitivity	AI Sensitivity	AI Sensitivity
5	1	0

7.1.6 Trip Reset

Short press [+] or [−] to select Trip Reset, then short press [⏻] to enter the menu. Select YES or NO (YES to clear, NO to cancel) with the [+] or [−] button. Short press the [⏻] button to save your changes and exit back to Settings.

Note: The current ride time (TIME), average trip speed (AVG), and maximum trip speed (MAX) will also be reset when you reset a trip.

Trip Reset	Trip Reset
Yes	No
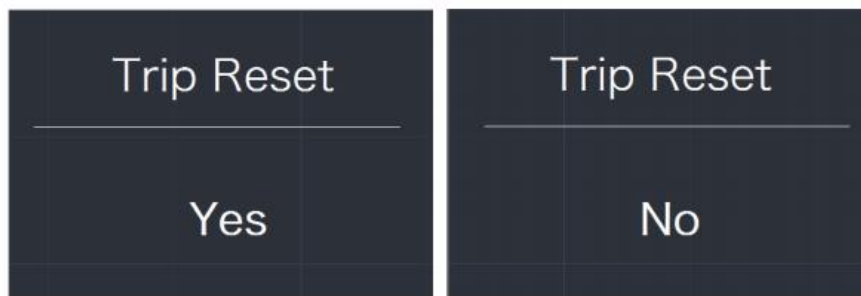
7.1.7 Button Vibration

Short press [+] or [−] to select Vibration, then short press [⏻] to enter the menu. Select YES or NO (YES meaning button vibration is on, NO meaning button vibration is off) with the [+] or [−] button. Short press the [⏻] button to save your changes and exit back to Settings.

| Vibration	Vibration
No	Yes
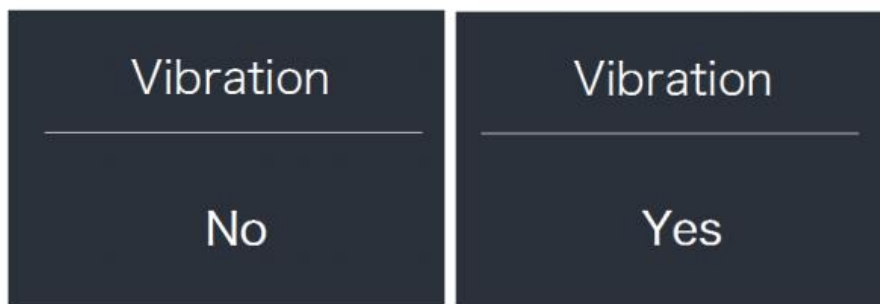
7.1.8 Service Indicator

Short press [+] or [−] to select Service, then short press [⏻] to enter the menu. Select YES or NO (YES meaning the service indicator is on, NO meaning the service indicator is off) with the [+] or [−] button. Short press the [⏻] button to save your changes and exit back to Settings.

Service	Service
No	Yes

7.1.9 Maximum Assist Level

Short press [+] or [−] to select Assist Mode, then short press [⏻] to enter the menu. Select a maximum assist level of 3, 5, or 9 with the [+] and [−] buttons. Short press the [⏻] button to save your changes and exit back to Settings.

Assist Mode	Assist Mode	Assist Mode
3	5	9
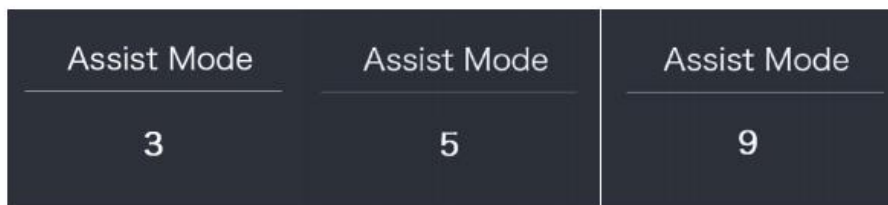
7.2 Information

With the display powered on, press and hold [+] and [−] to enter into the settings menu.

Short press [+] or [−] to select Information, then short press [⏻] to confirm.

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

Note: The information here can only be viewed, not edited.

7.2.1 Wheel Size

Short press [＋] or [－] to select Wheel Size, then short press [⏻] to view the default wheel size.

Short press the [⏻] button to exit back to Information.

```
Wheel Size
_____

28 Inch
```

7.2.2 Speed Limit

Short press [＋] or [－] to select Speed Limit, then short press [⏻] to view the default speed limit.

Short press the [⏻] button to exit back to Information.

```
Speed Limit
_____

25 km/h
```

7.2.3 Battery Info

Short press ▣ or ▬ to select Battery Info, short press ⏻ to enter the menu, and then short 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).

Short press the ⏻ button to exit back to Information.

Note: If the battery does not have communication functionality, you won't see any data.

Battery information menu
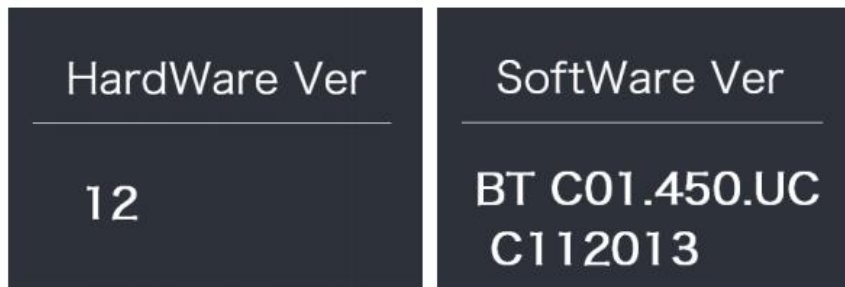
Hardware and software version menus

Code	Code Definition	Unit
b01	Current temperature	℃
b04	Battery voltage	mV
b06	Current	mA
b07	Remaining battery capacity	mAh
b08	Battery capacity of Full charged	mAh
b09	Relative SOC	%

Code	Code Definition	Unit
b10	Absolute SOC	%
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	Battery Hardware Version	
Software Ver	Battery Software Version	

7.2.4 Display Information

Short press ▣ or ▭ to select Display Info, short press ⏻ to enter

the menu, and then short press ▣ or ▭ to view Hardware Ver or

Software Ver.

Short press the ⏻ button to exit back to Information.

HardWare Ver	SoftWare Ver
DP C240.C 2.0	DPC240CI1020 2.0
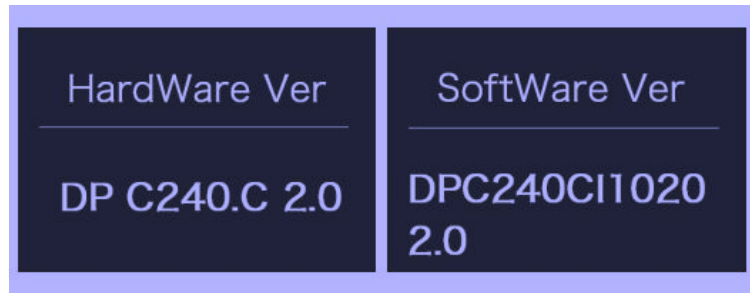
7.2.5 Controller Information

Short press ▣ or ▭ to select Ctrl Info, short press ⏻ to enter the

menu, and then short press ▣ or ▭ to view Hardware Ver or Soft-

ware Ver.

Short press the ⏻ button to exit back to Information.

HardWare Ver	SoftWare Ver
X10B.350.FC 1.0	CRX10BC4313 E101003.0

7.2.6 Torque Sensor Information

Short press ▣ or ▭ to select Torque Info, short press ⏻ to enter

the menu, and then short press ▣ or ▭ to view Hardware Ver or

Software Ver.

Short press the ⏻ button to exit back to Information.

HardWare Ver	SoftWare Ver
SR PA212.32. ST.C 1.0	SRPA212CF1 0101.0

Note: If your e-bike doesn't have a torque sensor, "--" will be displayed