7 USER MANUAL FOR DP C271.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 C271.CAN BUS

- The housing material is PC, the window is high hardness glass, as following:

- The label marking is as follows:

ℹ️ **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: IPX6
- Bearing humidity: 30%-70% RH

7.3.2 Functional Overview

- Speed indication (including maximum speed and average speed, unit switching between km and mile).
- Battery capacity indicator.
- Automatic sensors explanation of the lighting system.
- Brightness setting for backlight.
- Indication of assistance level.
- Motor output power and output current indicator.
- Kilometer stand (including single-trip distance, total distance and remaining distance).
- Walk assistance.
- Indication for error messages
- Support level setting.
- Indication for consumption of energy CALORIES (Note: If the display has this function).
- Display for the remaining distance.
  (Depends on your riding style)
- Power-on password setting.
- Two UI interfaces are available for users to choose.
- Six languages are available for users to choose.
- USB charging (5V and 500mA)
- Bluetooth function. (the display can connect to the mobile through Bafang Go APP)

7.4 DISPLAY INFORMATION
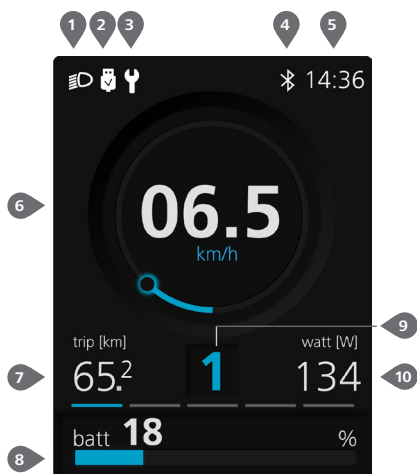
1 The display shows ⏏ this symbol, if the light is on.

2 USB charging indicator displays the icon, if an external USB device is connected to the display.

3 Maintenance indicator.

4 Bluetooth indicator.

5 Time indication.

6 Speed indication.

7 Multi-function indication: Single mileage (trip) - total mileage (odo) - Maximum speed (max) - Average speed (avg) - Range (range) - Cadence (rpm) - Travel time (time) - Energy consumption (calories(only with torque sensor fitted)) -cycle.

8 Indication for the capacity of battery in real time.

9 Support level/ Walking assistance 🚲 .

10 Input power indication/current indication.

7.5 KEY DEFINITION

Headlight

Up

Down

System On/Off

System On/Off

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.

If the "automatic shutdown time" is set to 5 minutes (it can be set with the "Auto Off" function, See **"Auto Off"**), the display will automatically be turned off within the desired time when it is not in op-eration. If the password function is enabled, you must enter the correct password to use 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 0, 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 Selection Mode

Briefly press the ⏻ (0.5s) button to see the different trip modes.

daily kilometers (trip) - total kilometers (odo) - Maximum speed (max) - Average speed (avg) - Range (range) - Cadence (cadence) - Travel time (time) - Energy consumption (calories(only with torque sensor fitted)) -cycle.
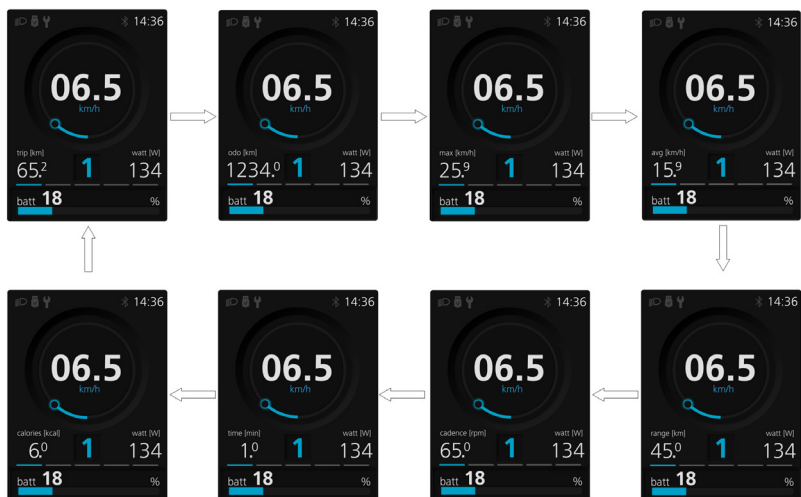
7.6.4 Headlights / backlighting

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

Hold the 🔅D (>2S) button again to turn off the headlight. The brightness of the backlight can be set in the display settings **"Brightness"**. If the display /Pedelec is switched on in a dark environment, the display backlight/headlight will automatically be switched on. If the display backlight/headlight has been manually switched off, the automatic sensor function is deactivated. You can only turn on the light manually, after switching on the system again.
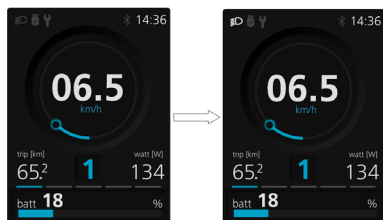
7.6.5 Walk Assistance

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

Activation: Press the ❤ button until this symbol 🚲 appears. Next hold down the ❤ button whilst the 🚲 symbol is displayed. Now the Walk assistance will activate. The symbol 🚲 will flashes and the pedelec moves approx. 6 km/h. After releasing the ❤ button, the motor stops automatically and switches back to level 0.

7.6.6 USB Charge Function

When the display is off, insert the USB device to the USB charging port on the HMI, and then turn on display to charge. If the display is on, you can direct charge for USB device. the maximum charging voltage is 5V and the maximum charging current is 500mA.

7.6.7 Maintanence

With a mileage of more than 5000 km (or 100 charge cycles), the "🔧" icon will displayed on the display. Every 5000 km the icon "🔧" is displayed every time. This function can be set in the display settings.

7.7 SETTINGS

After the display is turned on, double press the ⏻ button to access the "Setting" menu. By pressing the ⌃ or ⌄ button (<0.5S) , you can select: Display Setting, Information, Language, Themes or EXIT. Then press the ⏻ (<0.5S) button to confirm your selected option.

If no button is pressed within 20 seconds, the display will automatically return to the main screen and no data will be saved.

Setting
Display Setting
Information
Language
Themes
Exit
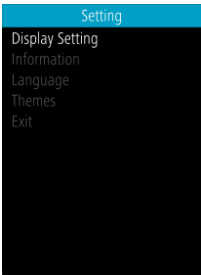
You can press and hold the ⌃ and ⌄ (>1S) button at any time, to return to the main screen.

7.7.1 "Display setting"

In "Setting" interface, briefly press the ⌃ or ⌄ (<0.5S) button to select Display Setting, and then briefly press the ⏻ (<0.5S) button to access the following selections.

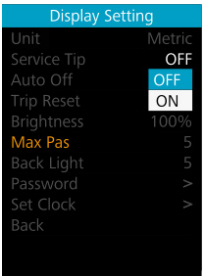| Display Setting	
Unit	Metric
Service Tip	OFF
Auto Off	Off
Trip Reset	No
Brightness	100%
Max Pas	5
Back Light	5
Password	>
Set Clock	>
Back	

7.7.1.1 "Unit" Selections in km/Miles

Press the ⌃ or ⌄ (<0.5S) button to highlight "Unit" in the Display setting menu, and then press the ⏻ (<0.5S) button to select. Then with the ⌃ or ⌄ button to choose between "Metric" (kilometer) or "Imperial" (Miles). Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	Metric
Auto Off	Imperial
Trip Reset	No
Brightness	100%
Max Pas	5
Back Light	5
Password	>
Set Clock	>
Back	
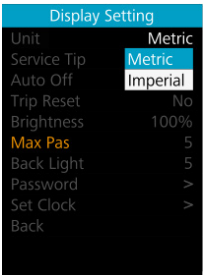
7.7.1.2 "Service Tip" Switching the notification on and off

Press the ⌃ or ⌄ (<0.5S) button to highlight "Service Tip" in the Display setting menu, and then press ⏻ (<0.5S) to select. Then with the ⌃ or ⌄ button to choose between "ON" or "OFF". Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	OFF
Auto Off	OFF
Trip Reset	ON
Brightness	100%
Max Pas	5
Back Light	5
Password	>
Set Clock	>
Back	

7.7.1.3 "Auto Off" Set Automatic system switch off time

Press the ︿ or ﹀ (<0.5S) button to highlight "Auto Off" in the Display setting menu, and then press ⏻ (<0.5S) to select. Then with the ︿ or ﹀ button to choose the automatic Off time as "Off" / "1Min" - "10Min", OFF means don't turn off. Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	OFF
Auto Off	**Off**
Trip Reset	Off
Brightness	1Min
Max Pas	2Min
Back Light	3Min
Password	4Min
Set Clock	5Min
Back	6Min
	7Min
	8Min

7.7.1.4 "TRIP Reset" Reset mileage

Press the ︿ or ﹀ (<0.5S) button to highlight "TRIP Reset" in the Display setting menu, and then press ⏻ (<0.5S) to select. Then with the ︿ or ﹀ to select "YES" to reset or "NO" don't to reset , by reset the maximum speed (MAXS), includes average speed (AVG), single-trip distance (TRIP) will be to clear. Then press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	OFF
Auto Off	Off
Trip Reset	**No**
Brightness	No
Max Pas	YES
Back Light	5
Password	>
Set Clock	>
Back	

7.7.1.5 "Brightness" Display brightness

Press the ︿ or ﹀ (<0.5S) button to

highlight "Brightness" in the Display setting menu. Then press ⏻ (<0.5S) to select. Then with the ︿ or ﹀ button to choose between "25%" / "50%" / "75%" /"100%" . Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	OFF
Auto Off	Off
Trip Reset	No
Brightness	**100%**
Max Pas	25%
Back Light	50%
Password	75%
Set Clock	**100%**
Back	

7.7.1.6 "MAX PAS" Support level

The "Max Pas" can't be set.

7.7.1.7 "Back Light" Set light sensitivity

Press the ︿ or ﹀ (<0.5S) button to highlight "Back Light" in the Display setting menu. Then press ⏻ (<0.5S) to select. Then with the ︿ or ﹀ button to select the level of the light sensitivity as"0"/"1"/"2"/"3"/"4"/ "5". Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Display Setting	
Unit	Metric
Service Tip	0
Auto Off	1
Trip Reset	2
Brightness	3
Max Pas	4
	5
Back Light	5
Password	>
Set Clock	>
Back	

7.7.1.8 "Password"

Press the ︿ or ﹀ (<0.5S) button to highlight "Password" in the Display setting menu. Then by briefly pressing ⏻ (<0.5S) to enter the password selection. Now again

with the ⌃ or ⌄ (<0.5S) buttons highlight "Start Password" and press the ⏻ (<0.5S) button to confirm. Now again using the ⌃ or ⌄ (<0.5S) Button choose between "ON" or "OFF" and press the ⏻ (<0.5S) button to confirm.
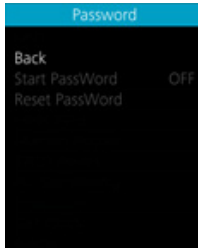
Starting password:

Select "ON" in"Start PassWord" interface, then briefly pressing ⏻ (<0.5S) to confirm. Now you can input your 4-digit pin code. By using the ⌃ or ⌄ (<0.5S) button choose numbers between "0-9". By briefly pressing the ⏻ (<0.5S) button you can move on to the next number.

After entering your desired 4-digit code, you must re-enter the 4-digits you chose, to ensure the code is correct. Then the interface exit back automatically to original interface within two seconds.

After selecting a password, the next time you turn on the system it will ask you to input your password. Press the ⌃ or ⌄ (<0.5S) button to select the numbers, Then press briefly ⏻ (<0.5S) to confirm.

After entering the wrong number three times, the system switches off. If you have forgotten the password, please contact your retailer.

Changing the password:

Press the ⌃ or ⌄ (<0.5S) button to choose Password in the menu. Then by briefly pressing ⏻ (<0.5S) to enter the password section. Now again with the ⌃ or ⌄ (<0.5S) button highlight "Reset Password" and press the ⏻ (<0.5S) button to confirm. Now with the ⌃ or ⌄ (<0.5S) buttons and highlight "Reset Password" and with the ⏻ (<0.5S) button to confirm.

By entering your old password once, followed by inputting the new password twice, then your password will be changed.
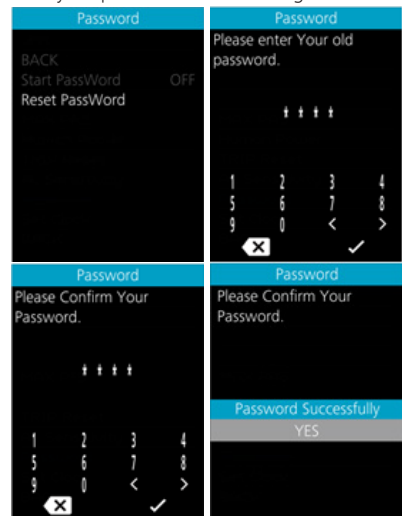

Deactivating the password:

In the "Password" interface, with the ⌃ or ⌄ (<0.5S) buttons to highlight "Start Password" and press the ⏻ (<0.5S) button to confirm. Then use the ⌃ or ⌄ (<0.5S) Button to choose "OFF" and press the ⏻ (<0.5S) button to confirm.

Now enter your password, to deactivate it.
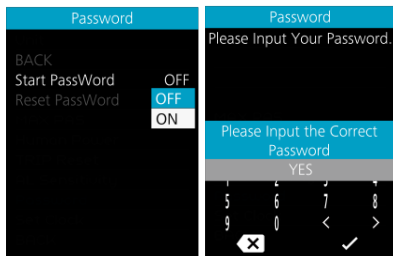
7.7.1.9 "Set Clock"

Press the ⌃ or ⌄ (<0.5S) Button to high-light "Set Clock" in the Display setting menu. Then briefly press the ⏻ (<0.5S) button to confirm selection. Now press the ⌃ or ⌄ (<0.5S) button and input the correct number (time) and press the ⏻ (<0.5S) button to move to the next number. After entering the correct time, press the ⏻ (<0.5S) button to confirm and save.
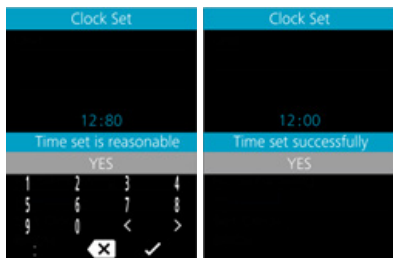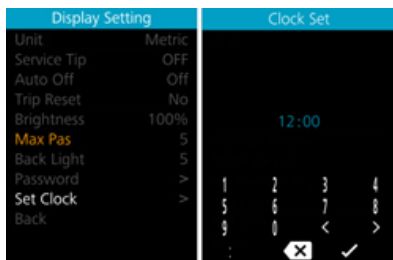
7.7.2 "Information"

Once the system is turned on, double press the ⏻ button to access the "Setting" menu. Now by pressing the ⌃ or ⌄ (<0.5S) button to highlight the "information", and press the ⏻ (<0.5S) button to confirm.

7.7.2.1 Wheel Size and Speed Limit

The "Wheel Size" and "Speed Limit" cannot be changed, this information is here to be viewed only.

7.7.2.2 Battery Information

Press the ⌃ or ⌄ (<0.5S) button to access the "Battery Info" menu, and then press the ⏻ (<0.5S) button to confirm. Now press the ⌃ or ⌄ (<0.5S) button to select "Back" or "Next Page", now you can view all the battery information.
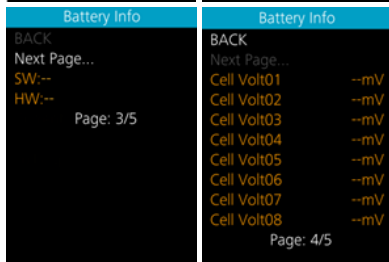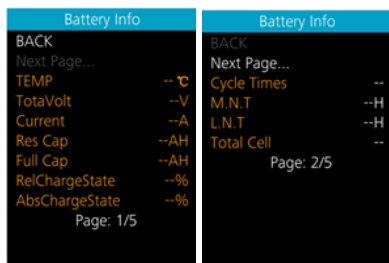
| Content	Explanation
TEMP	Current temperature in degrees (°C)
TotalVolt	Voltage (V)
Current	Discharge (A)
Res Cap	Remaining Capacity (Ah)
Full Cap	Total Capacity (Ah)
RelChargeState	Default Loader Status (%)
AbsChargeState	Instant charge (%)
Cycle Times	Charging cycles (number)
M.N.T	Maximum time in which no charge was made (Hr)
L.N.T	Last Uncharge Time (Hr)
Total Cell	Number (individual)
SW	Software Version
HW	Hardware Version
Cell Voltage 1	Cell Voltage 1 (mV)
Cell Voltage 2	Cell Voltage 2 (mV)
Cell Voltage n	Cell Voltage n (mV)

NOTE: If no data is detected, "--" is displayed.

7.7.2.3 Controller Information

Press the ⌃ or ⌄ (<0.5S) button and select "Ctrl Info", and then press the ⏻ (<0.5S) button to read the software and hardware data of the controller. To exit, press the ⏻ (<0.5S) button, or select "Back" to return to the information interface.
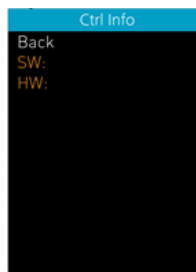

7.7.2.4 Display Information

Press the ⌃ or ⌄ (<0.5S) button and select "Display Info", then press the ⏻ (<0.5S) button to read the software and hardware data of the display. To exit, press the ⏻ (<0.5S) button, or select "Back" to return to the information interface.


7.7.2.5 Torque Information

Press the ⌃ or ⌄ (<0.5S) button and select "Torque info", then press the ⏻ (<0.5S) button to read the software and hardware data of the torque. To exit, press the ⏻ (<0.5S) button, or select "Back" to return to the information interface.
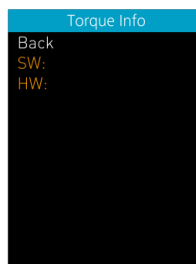
7.7.2.6 Error Code

Press the ⌃ or ⌄ (<0.5S) button and select "Error Code", and then press the ⏻ (<0.5S) button to confirm. It shows error information for the last ten errors of the pedelec. Error code "00"means that there is no error. To exit, press the ⏻ (<0.5S) button, or select "Back" to return to the information interface.

Error Code	
BACK	
E-Code0:	00
E-Code1:	00
E-Code2:	00
E-Code3:	00
E-Code4:	00
E-Code5:	00
E-Code6:	00
E-Code7:	00
E-Code8:	00
E-Code9:	00

7.7.3 "Language"

Once the system is turned on, double press the ⏻ button to access the "Setting" menu. Now by pressing the ⌃ or ⌄ (<0.5S) button to highlight the "Language", and press the ⏻ (<0.5S) button to confirm. Now press the ⌃ or ⌄ (<0.5S) button to select "English", "German", "Dutch", "French", "Italian" or "Czech", Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save, then select "Back" to return to the setting interface.

Setting	Language
Display Setting	English
Information	German
Language	Dutch
Themes	French
Exit	Italian
	Czech
	Back

7.7.4 "Themes"

Once the system is turned on, double press the ⏻ button to access the "Setting" menu. Now by pressing the ⌃ or ⌄ (<0.5S) button to highlight the "Language", and press the ⏻ (<0.5S) button to confirm. Now press the ⌃ or ⌄ (<0.5S) button to select "Fashion" or "Sporty", Once you have chosen your desired selection, press the ⏻ (<0.5S) button to save.

Setting	Themes
Display Setting	Fashion
Information	Sporty
Language	Back
Themes	
Exit	

7.8 ERROR CODE DEFINITION

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

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.

See Appendix B for the detailed error code list.