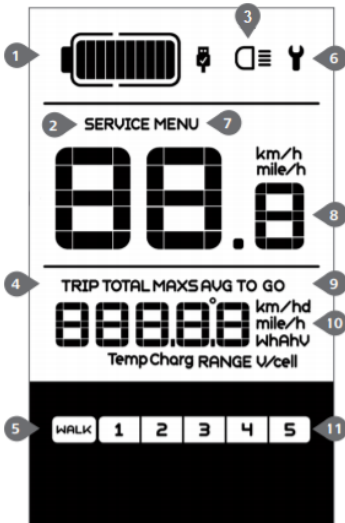


NORMAL INDICATION AREA



- 1 Battery level
- 2 Maintenance warning
- 3 Headlight indicator
- 4 Distance mode
- 5 Walk Assistance
- 6 Malfunction indication
- 7 Menu
- 8 Speed display
- 9 Speed model
- 10 Distance indication
- 11 Level indication



- Battery level: 10-segment battery level indicator.
- Maintenance Warning: When there is a need for maintenance the symbol **SERVICE** will be displayed (riding distance or the number of battery charge cycles exceed the set value, function can be deactivated).
- Headlight indicator: only shows when headlight or backlight are on.
- Distance mode: display of maximum speed MAXS, average speed AVG, the single-trip distance TRIP, the total distance TOTAL, remaining distance TO GO, power W, energy consumption C.
- Level indication: The chosen level 1–5 will be displayed; if there is no numeric display, it means that there is no assistance (by the motor). If the rider is walking and pushing the e-bike, **WALK** will be displayed.
- Error display: When a fault is detected the symbol **Y** will be displayed.
- Speed display: display of the speed, km/h or mph.
- Speed mode: average speed (AVG km/h), maximum speed (MAXS km/h).
- Distance indication: display of the distance depending on the setting.

BUTTON DEFINITION





NORMAL OPERATION

• ON/OFF Switch


Turn on the display, press and hold .
Press and hold  again to power off the display, If the bike is not used for 5 minutes (this time can be set) the display will automatically turn off.

• Assist Mode Selection

Press  or  choose the desired level of assistance from the motor. The lowest level is Level 1, the highest Level 5. When the display is powered on, the default mode is Level 1. When there is no number displayed, there is no power assistance. (power assistance level selection interface as image below)





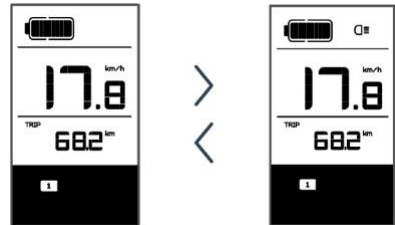
• Switch between Distance and Speed Mode

Briefly press the  button to switch between distance and speed readings. Single-trip distance (TRIP km), total distance (TOTAL km), maximum speed (MAXS), average riding speed (AVG km/h), remaining distance (RANGE) and energy consumption (C) are displayed in successive order. (Mode interface switches as below)





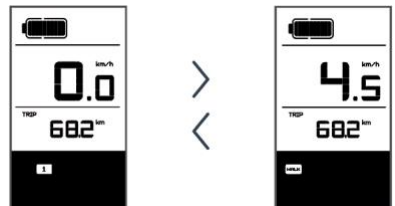
• Headlight/ Display Backlight Operation

Hold the  button. The backlight of the display as well as the headlight and tail-light will turn on. Hold the  again to power off these lights. There are 5 levels of backlight brightness that can be selected by the user. If the display is turned on in a dark environment, the lights will be turned on automatically. If the lights are turned off manually, they also need to be turned on manually afterwards.



• Walk Assistance

Hold the  button. The e-bike will enter walk assistance mode, and the WALK symbol is displayed. Once the  button is released, the e-bike will exit the walk assistance mode.



- **Battery Status Indication**

When the battery status is normal, a certain number of the battery LCD segments as well as the border will light up according to the level of charge. If all 10 segments go blank and the border starts blinking, the battery needs to be charged immediately.



- **Battery status key**

Number of Segments	Percentage Range	Number of Segments	Percentage Range	Number of Segments	Charge in Percentage
10	100% to 90%	6	50% to 60%	2	15% to 25%
9	80% to 90%	5	45% to 50%	1	5% to 15%
8	70% to 80%	4	35% to 45%	Border blinking	0% to 5%
7	60% to 70%	3	25% to 35%		

- When the display turns off, connect a USB cable to the port on the display then the display will turn on and charge. If the display is turned on, only connect the USB cable to the port to the display and display begin charge. Maximum charge voltage is 5V, maximum charge current is 500mA



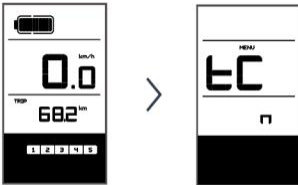
PARAMETER SETTING

• Items to be Set

- 1) Data reset
- 2) Km/mile
- 3) Light sensitivity
- 4) Display backlight brightness
- 5) Automatic off time
- 6) Maintenance warning settings
- 7) Check wheel diameter
- 8) Speed Limit Setting
- 9) Speed model
- 10) Battery information

• Setting Preparation

1) When the display is active, press the **i** button twice. The system will enter the MENU parameter setting state, in which the display parameters can be set. Press **i** twice again to return to the main menu.



2) If no operation is performed for 10 seconds, the display will return to the normal view.

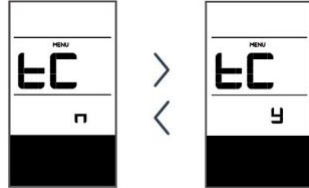
3) In the parameter setting state, when the parameter you want to set begins to flash, press the **+/-** buttons to adjust the parameter value. Press the **i** button to switch between the parameters to be set. Press **i** twice to exit the submenu.

• Data reset

Press **i** twice and the display will enter the MENU state. In the speed field tC will be displayed. If you press



a "y" will be also displayed. Now all temporary data, e.g. maximum speed (MAXS), average speed (AVG) and single trip distance (TRIP) can be cleared. Press the **i** button to enter the km/mile setting interface.

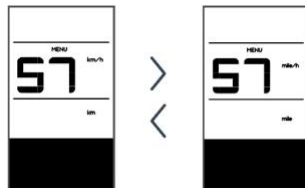


If the user does not reset the data, the single trip distance and the accumulated total riding time will be automatically cleared when the accumulated total riding time exceeds 99 hours and 59 minutes.

* The data will not be cleared when the display's light-sensing function is set to 0 or when it is switched off!

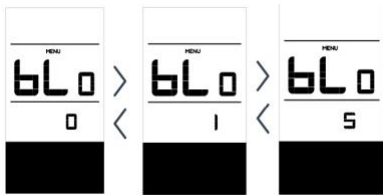
• Km/mile


When the speed field displays S7, press the **+/-** buttons to switch between km/h and mph as well as setting km or miles. After changing this setting, press the **i** button to enter the option for light sensitivity. The default display unit is km.





• Light Sensitivity

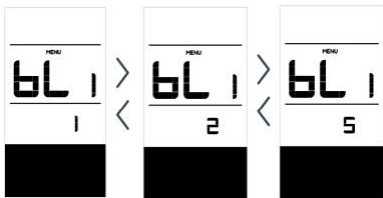
When the speed field displays bL0, press the **+/-** buttons to choose a value between 0 and 5. The higher the chosen value, the higher the light sensitivity.




After changing this setting, press the  button to enter the option for backlight brightness.



• Display Backlight Brightness

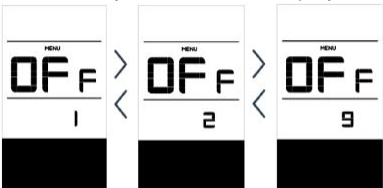
When the speed field displays bL1, press the / buttons to choose a value between 1 and 5. A value of 1 represents the lowest brightness while 5 indicates the highest display back-light brightness.




After changing this setting, press the  button to enter the option for automatic off time.



• Automatic Off Time

When the speed field displays OFF, press the / buttons to choose a value between 1 and 9. The chosen value indicate the minutes that it takes to automatically shut down the display.



After changing this setting, press the  button to enter the option for maintenance warning.

• Maintenance Warning (can be deactivated)


When the speed field displays nnA, press the / buttons to select 0 or 1. 0 disables this function while 1 enables it.



1) The display will prompt maintenance necessity based on information such as accumulated riding distance and battery charge cycles.

2) When the accumulated total riding distance exceeds 5,000 km (can be customized by the manufacturer), the display will show the symbol **SERVICE** . When the display is powered on, the **SERVICE** icon will flash for 4 seconds, indicating that maintenance is necessary.

3) When the number of battery charge cycles exceeds 100 the display will the symbol **SERVICE** . When the display is started up, the sign for battery will flash for 4 seconds, indicating that maintenance is necessary.

After changing this setting press the  button to enter the option for wheel diameter.

● **Wheel Diameter check**

Speed position displays Wd, measurement is in inches. A wrong wheel diameter can lead to speed abnormalities. After changing this setting, press the **i** button to enter the option for speed limit.



● **Speed Limit Setting**

When the speed field displays SPL, the distance field displays the of the speed limit value. Minimum speed limit is 12km/h, maximum speed limit is 60km/h.



After changing this setting, press the **i** button to enter the battery communications menu.

● **Battery Communication**

The speed field displays b01 and the distance field displays the speed limit. Press the **i** button to cycle backward. After viewing this setting, press the **i** button to enter the menu for error codes in memory.



1) Only when communication has been established between the battery and the controller the following information will be displayed, otherwise the display will only show “- - -”.

2) Information in the battery menu:

The speed field displays	Definition	Unit
b01	Current	°C
	Temperature	
b04	Total Voltage	V
b06	Average Current	A
b07	Remaining Capacity	Ah
b08	Full Capacity	Ah
b09	Relative state of charge	
b10	Absolute state of charge	
b11	Charge/discharge cycle	
b12	Longest Period without a charge	h
b13	Period since last charge	h
d00	Cell quantity	
d01	Voltage of cell 1	V
d02	Voltage of cell 2	V
.....	
dn	Voltage of cell n	V

ERROR CODE DEFINITION

i The DP C10.UART display can show e-bike faults. When a fault is detected, the **Y** icon will be displayed. In the speed field one of the following error codes will be displayed. If you cannot troubleshoot the error and resolve the issue contact Biktrix support.



warning interface

Error Code	Error Definition	Trouble-shooting Method
"04"	Throttle has not returned to neutral position	Check if throttle has returned to neutral position, unplug throttle and plug back in
"05"	Throttle Fault	Check the throttle
"07"	Overvoltage Protection	Check the battery voltage
"08"	Motor hall signal cable fault	Check the motor module
"09"	Motor phase cable fault	Check the motor module
"11"	Controller temperature sensor failure	Check the controller
"12"	Current sensor failure	Check the controller
"13"	Battery temperature fault	Check the battery
"14"	Motor temperature fault	Check the motor
"21"	Speed sensor fault	Check installation position of speed sensor
"22"	BMS communication fault	Replace the BMS or battery
"30"	Communication fault	Check the controller connection