



eKit LED Dashboard User Manual

Cyclotricity Electric Bike Conversion Kit

June 2016, 3rd edition

These instructions only apply to you if you have chosen to purchase an upgraded kit with a **Pedal Assistance Sensor (PAS)** and a handlebar display/dashboard.

LED handlebar Dashboard

- 1- The LED has an on/off switch. This must be switched on for the bike to receive power.
- 2- If you leave it on without using the throttle, the bike will start giving you automatic assistance as you pedal along (provided you have installed the PAS).
- 3- You can use the MODE buttons to set the amount of assistance you would like the bike to provide (LOW, MEDIUM, HIGH or OFF).
- 4- Setting the MODE to OFF will transform your bike into a normal push bike.
- 5- The LED also provides a speed function (see LED setup).
- 6- Please note that the battery indicators on the LED dashboard may not necessarily show the amount of capacity left on the battery, but the amount of load the battery is experiencing at any one point. Decreasing battery levels on the dashboard means you ought to be pedalling more. We do not recommend you run on the throttle alone for long distances as this will impact the performance and lifecycle of the battery.
- 7- The battery performs best with a payload less than 80Kg. Heavier cyclists may notice the battery levels dropping on the dashboard as the throttle is being used. This is an indication that the battery is getting overloaded and, therefore, sharing the load with some pedalling is strongly recommended.
- 8- To see the actual capacity left on the battery, check the indicators on the battery itself.



LED Instructions and Setup

- Function of buttons

On/Off

- To switch the device on/off, press and hold the on/off button (or the device will automatically switch off when the bike is left without use for 5 minutes).

Change level of assistance

- Under normal operating conditions, use the MODE button to change the level of assistance.

Push aided mode

- It is possible to use the 6km/h assistance mode while walking your bike. To do so, press and hold the 6km/h button, the push aided indicator will start flashing. The bike will run at no more than 6km/h as you walk the bike along.
- Release the 6km/h button to suspend this function.

- User Setup

You will need to configure the following functions on your device:

- a. Maximum speed.
- b. Wheel diameter (12"-28").

Speed Setup

- Press and hold the on/off button to switch the device on.
- Press and hold both on/off and MODE buttons simultaneously for 3-5 seconds. This will take you into the LED setup state.
- Once you enter the setup state, the LOW indicator as well as the speedometer indicators will flash. Press the on/off or MODE buttons to increase/decrease the maximum speed parameter (please note that 25km/h is the maximum legal speed limit allowed on the road in the UK/EU). Each light on the speedometer indicators equates to 1km/h.
- You can save this setting and exit the setup state by holding down the MODE button. Alternatively, you can stay on the setup state and move on to configuring the wheel diameter by pressing the 6km/h button.

Wheel Diameter Setup

- Having adjusted the maximum speed and pressed the 6km/h button, you are now in the wheel diameter setup state.
- You will notice that the MED indicator as well as the speedometer indicators is flashing. Press on/off or MODE to set the right size of your wheel:
 - The first of the speedometer lights corresponds to a 12" wheel.
 - The second light corresponds to a 14" wheel.
 - Thereafter 16", 18", 20", 22", 24", 26", 700c and 28" in this order. I.e. the 10th light will correspond with a 28" wheel.
- NOTE: Choosing the wrong wheel size will result in non-accurate speed readings on your LED speedometer.
- Press and hold the MODE button to save your settings and exit the setup state.
- NOTE: The LED will exit the setup state automatically if no buttons have been pressed for more than 1 minute. In which case, your settings will not be saved.