

CONNECT+ CONTROL SYSTEM

Owner Manual



BATRIBIKE®
ELECTRIC BICYCLES

Quality Design and Build

Thank you for purchasing a **BATRIBIKE** Electric Bicycle

The **CONNECT+** control system fitted to your bicycle has been designed and developed by our Danish partner Promovec.

Your bicycle can be operated with just the handlebar mounted control / display or, to enhance your experience, you can access additional features via your smartphone*.

You will need to download the app. either iOS or Android, please search for **Promovec Connect**.

*If you choose to mount your smartphone on the handlebars you will need a suitable bicycle phone holder - *not supplied*.

For the bicycle functions of your **BATRIBIKE** Electric Bicycle please see separate manual.

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Handlebar Control

UP and DOWN buttons



Handlebar Control Operation

Switching On

To use under electric power, switch on at the battery if required, (bike model specific), then switch on by pressing and holding the POWER button on the handlebar unit until the display lights (blue).



Display LED Colours



The handlebar display utilises two different colour LEDs for different functions.



Battery Meter BLUE

Assistance Level GREEN

Control Buttons



By means of the UP and DOWN buttons on the handlebar mounted display unit, the various functions of the power controller can be utilised.



There are 5 levels of pedal assistance available from the motor. Using the UP and DOWN buttons you can select from Level 1 (Lowest), to Level 5 (Highest). The motor will then be activated upon pedalling.



The GREEN LEDs will light when the UP and DOWN buttons are pressed indicating the assistance level.

The LEDs will then return to BLUE showing the battery meter, until pressed again.

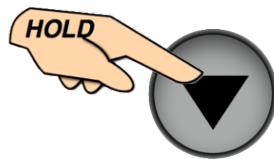
For extended features see the section on using the app.

*assistance
level 2
selected*

Assisted Walking Mode (6 km/h)

If your BATRIBIKE bicycle has a Walk Assist Mode (model specific) it is designed to propel the bike under power at a low speed of 6 km/h (4 MPH). Walk Assist is ideal to help you when pushing the bike up steep hills. It is not designed for prolonged use or whilst riding.

This feature only operates whilst the down button is pressed.



Switching Off

To turn off the LED and the power to the bike, press and hold the POWER button for 2 seconds.

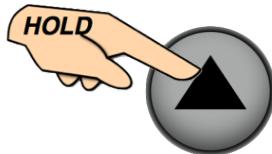
If the power is left on for an extended period and the bike is not used, then the power will automatically be turned off.



To fully turn off the power, switch off at the battery if required, (bike model specific).

Bicycle Lights

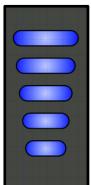
If your BATRIBIKE Electric Bicycle is supplied with lights on the front and rear, then these are switched on by pressing and holding the UP button on the handlebar display.



To turn the lights off, again press and hold the UP button.

Handlebar Battery Meter

Battery Meter



The vertical row of BLUE LEDs show the charge remaining in the battery. The indicators will gradually go out as the battery power is used up. Refer to the table below for details.

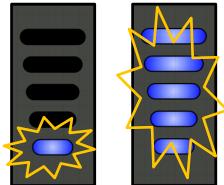
When the LEDs are GREEN they indicate assistance level.

BATTERY METER DISPLAYS THE CHARGE REMAINING IN THE BATTERY					
SYMBOL DISPLAYED					EMPTY
70% to 100%	50% to 70%	30% to 50%	15% to 30%	0 to 15%	First Light Flashes 4 Times
CHARGE REMAINING					BATTERY IS EXHAUSTED AND SHOULD BE RECHARGED AS SOON AS POSSIBLE

TROUBLESHOOTING

Diagnostic Error Messages

Initially the first LED in the battery indicator (blue) starts to flash as it finds a connection to the battery. When an error is detected all of the LED's will flash. The number of flashes determines the error code.



Number of Flashes	Error Type	Action Required
1	Motor Error	Check Motor Plug, if all OK Contact Dealer for Assistance
2	Controller Error	Contact Dealer for Assistance
3	Display Error	Contact Dealer for Assistance
4	Low Battery Voltage	Charge the Battery
5	Brake Sensor Error (if fitted)	Check brake lever returns fully and restart the system, if all OK Contact Dealer for Assistance
6	Speed Sensor Error	Contact Dealer for Assistance
7	Battery Error	Contact Dealer for Assistance
8	High Current or Overload	Contact Dealer for Assistance
9	Communication Error	Contact Dealer for Assistance
10	Battery Voltage too High	Contact Dealer for Assistance
11	Display Error	Contact Dealer for Assistance

Extended Features - Using the App.

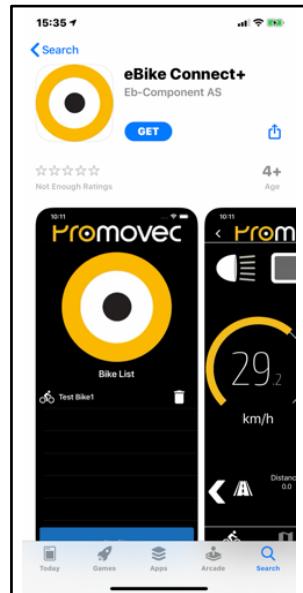
Features

Connecting your smartphone to your BATRIBIKE Electric Bicycle via Bluetooth, using the Promovec app will give a range of additional features including

- Current Speed
- Trip Distance
- Different Driving Modes
- Battery Status

Additionally the phone can be used as a display to control your bike*.

*If you choose to mount your smartphone on the handlebars you will need a suitable bicycle phone holder - *not supplied*.



Download the app.

You will need to download the app. either iOS or Android. Requires iOS 10.2 or later, or Requires Android 4.4 or later

Please search for **Promovec Connect**

Alternatively use these links

iOS - [https://apps.apple.com/dk/app/promovec-connect/
id1458723615?l=da](https://apps.apple.com/dk/app/promovec-connect/id1458723615?l=da)

Android - [https://play.google.com/store/apps/details?
id=com.ektos.e.bike.client](https://play.google.com/store/apps/details?id=com.ektos.e.bike.client)

Connecting to Your Bike

Open the app and allow connection to Bluetooth.

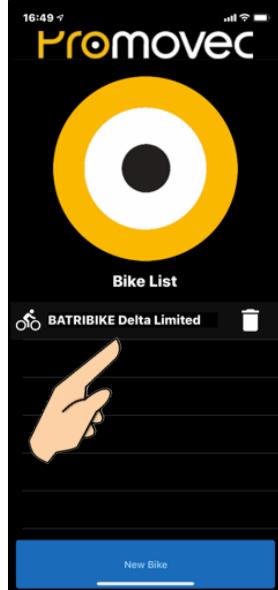
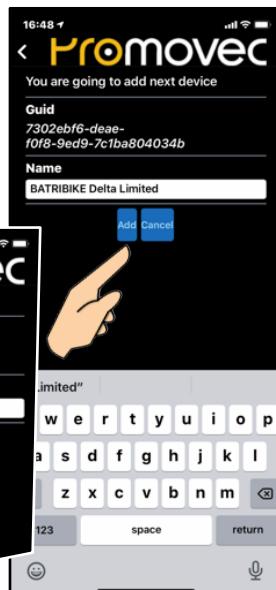
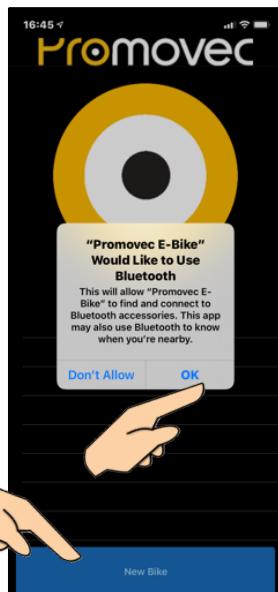
Switch on your bike using the handlebar display

Make sure any other nearby bikes with connect+ are switched off.

Press New Bike on your phone and the phone will search for your bike.

Select the located bike. You can now change the name of the bike to one you choose, before pressing ADD.

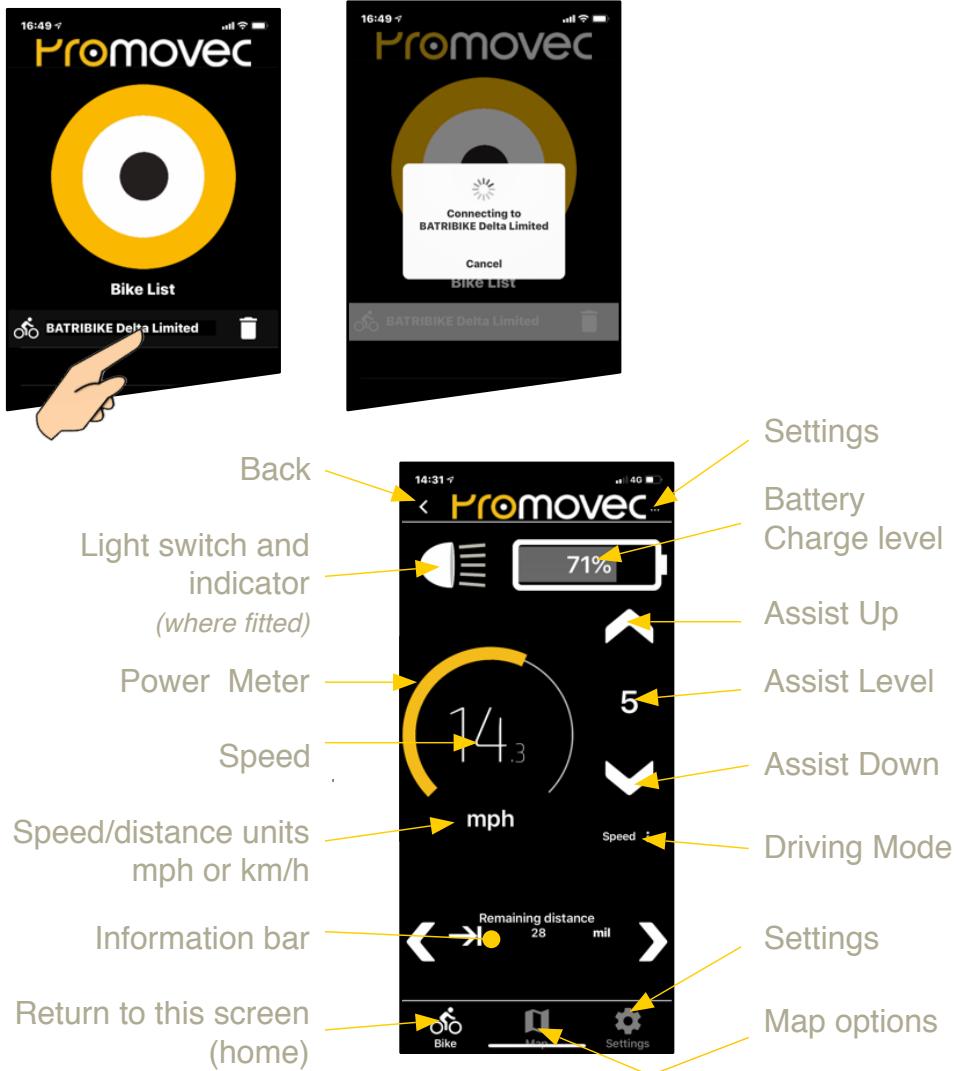
Your bike will now appear on your Bike List. (You can have more than one bike on your app.) To add another bike repeat the steps above.



App. Display

Select your bike from the list.

The app. will connect to the selected bike. All the features on the app. are now available.



Setting the units

When you first connect to your bike the units will be set to metric (km and cm)

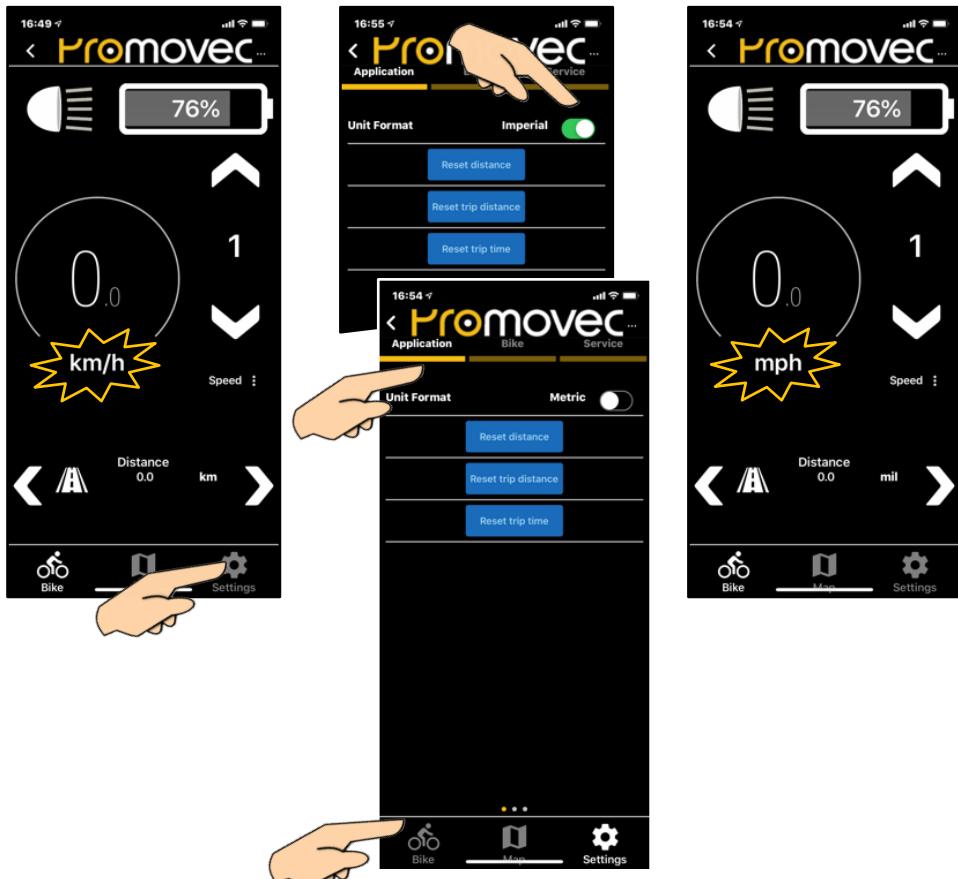
To change to Imperial units (mph and inches)

- choose Settings, Application

Toggle the unit format button to select your choice.

Distances and trip time can also be reset on this screen.

The bike icon will return you to the main screen.



Setting Wheel Size (Circumference)

To ensure that the speed, distance and battery distance remaining readouts are as accurate as possible it is important to have the wheel size (circumference) set to the tyre for your bike.

See page 23 for guide sizes.

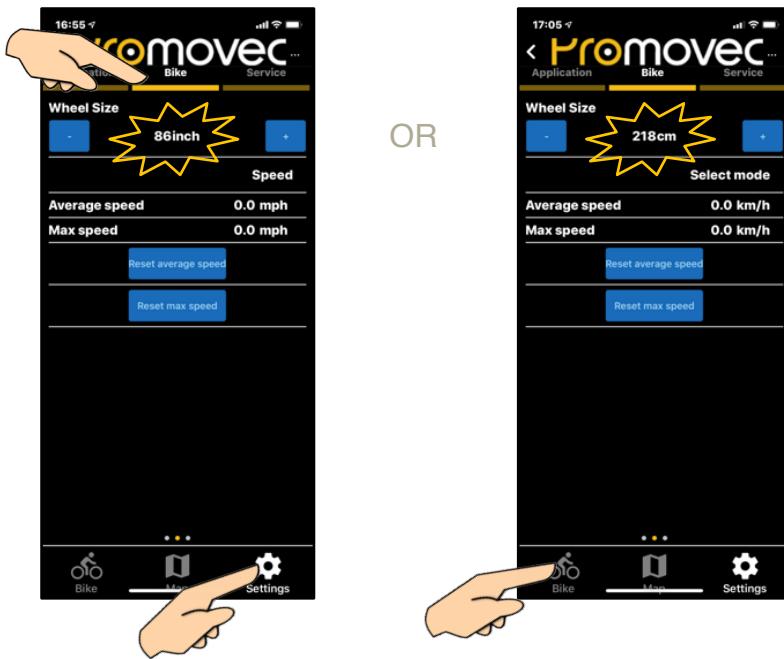
Choose settings and bike.

The size will appear as inches or cm depending on the units selected on page 11.

Use the + and - to change size.

The average speed and max speed recorded can also be reset on this screen.

The bike icon will return you to the main screen.



Backlight - Android only

To set the Backlight Intensity - choose Settings, Application.

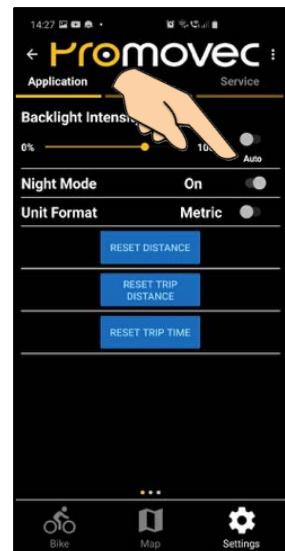
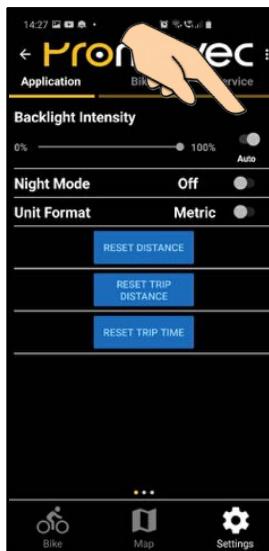
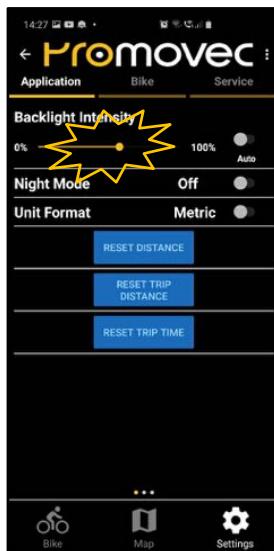
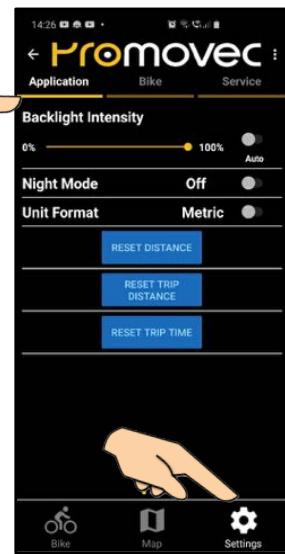
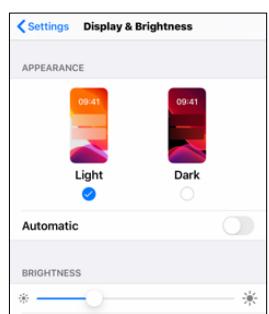
Use the slider or set to Auto.

When using Auto the slider is grey.

Intensity is set by Night Mode which can be toggled on or off.

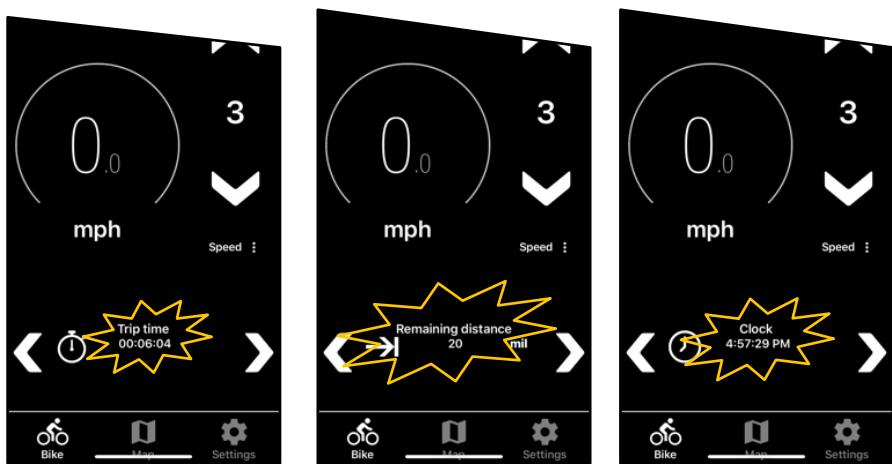
For iOS the intensity is set by the phones own brightness.

Use the phone settings to change this.



Information Bar

Various distance and time information is available at the bottom of the display and is accessed by the left and right arrows.



Assist Levels

The assistance levels can be changed via the app. or the LED handlebar mounted display.

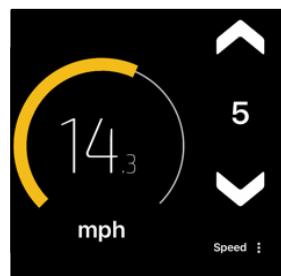
The higher number gives more assistance.

The number on the app. and the number of lights on the LED display will be the same.



Power Meter

This shows the amount of power being drawn from the battery. (How hard your Batribike is working).



Driving Mode

The app. allows you to change the way the power is delivered, giving 3 different "driving modes". Speed, Eco and Set Distance.

Speed Mode - displays as Speed

The help level is defined by a percentage of maximum speed.

This provides adjustable SPEED in five selectable steps. Level 1 powers up to 6 mph, whilst level 5 powers up to 15 mph. Each level operates at up to full power, and power cuts out at the selected speed level. The rider can of course propel the bicycle faster than the cut off speed but this will be unassisted.

Eco Mode - displays as Power

The help level is defined by best motor performance.

The "Eco" mode has five selectable POWER levels. Level 1 gives 20% of the power, level 2 - 40% up to level 5, 100% power. Speed range is from 0 to 15 mph in all levels.

The "Eco" mode is also applied when using just the handlebar LED and not the app.

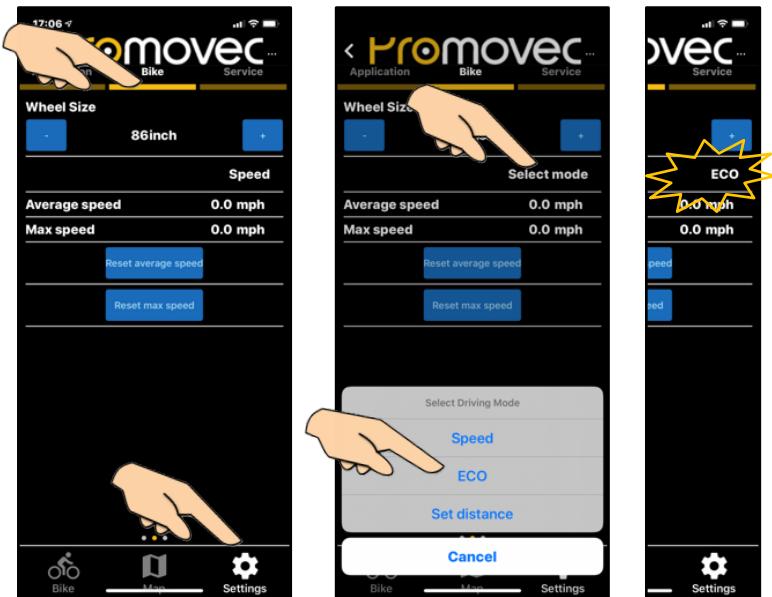
Set Distance - displays as mil or km

The desired distance is set and the help level is set by the battery's performance.

The "Distance" mode evens out the use of the battery to give you assistance across your journey. When selected the assistance bar shows the advised distance available, you can change this using the up and down arrows. See page 18.

Choose

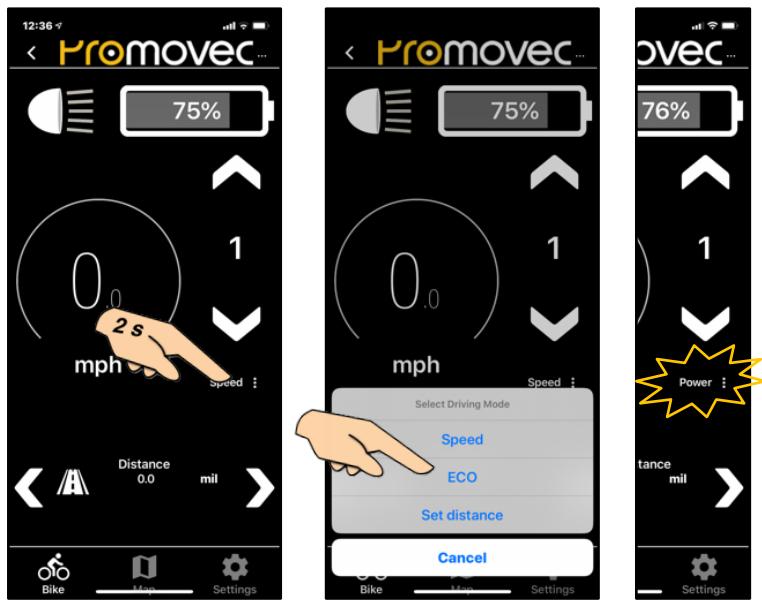
- Settings
- Bike
- Select mode
- Pop-up will auto close
- Bike Icon
- Mode shown on right



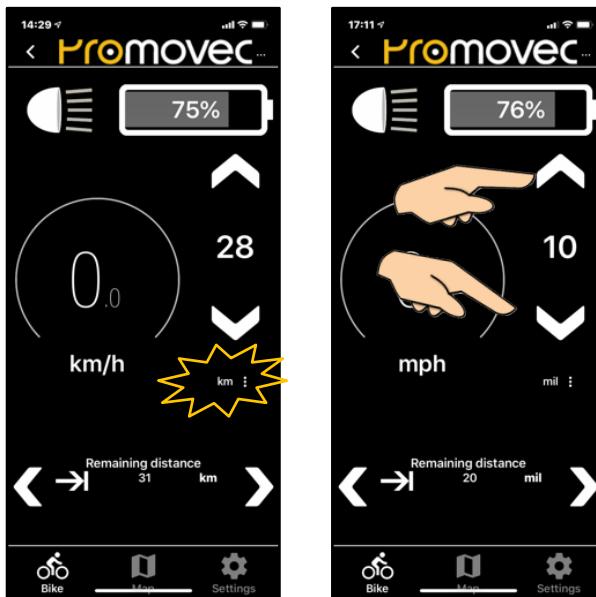
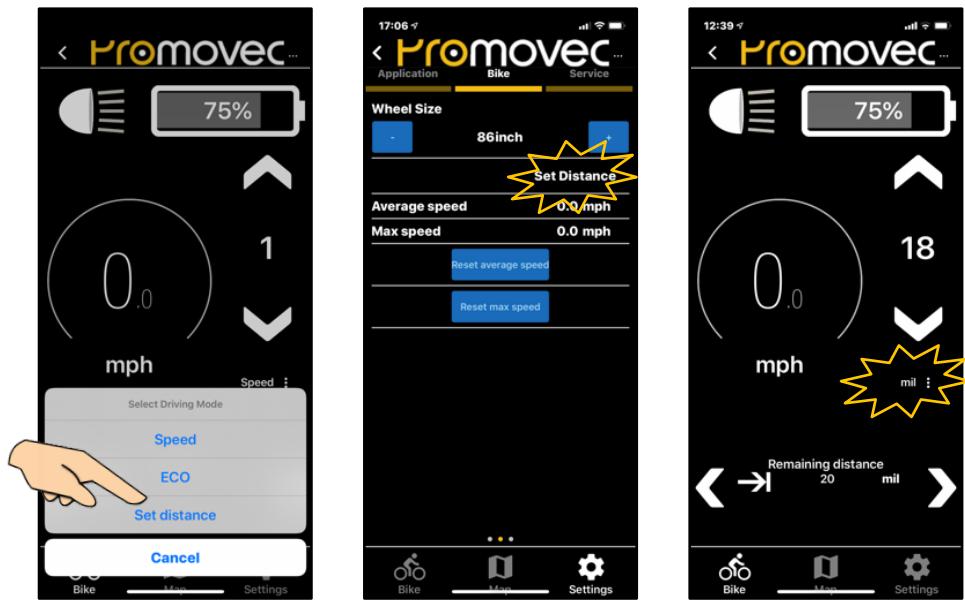
OR

Choose

- Mode
- Select mode
- Pop-up will auto close
- Mode shown on right



Set Distance



When the Set Distance mode is chosen this will show as either mil (miles) or km in the Driving Mode area of the screen.

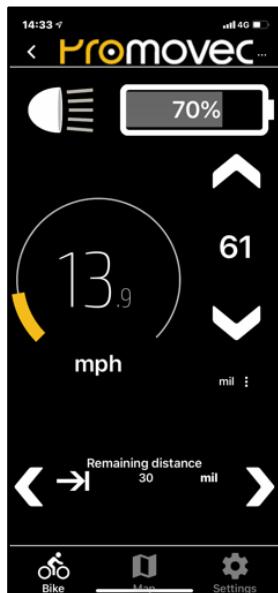
The distance of the journey can be set using the up and down arrows on the display to a maximum of 99km (61 miles).

If the Set Distance is the same as or less than the distance remaining in the battery the rider will gain maximum assistance from the motor.

If the Set Distance is greater than the remaining distance the controller will reduce the amount of assistance so that the whole journey can be assisted.

If there is a large difference between the Remaining distance and the Set Distance the rider will get only minimal assistance.

The up and down buttons on the handlebar display can be used as a temporary manual override to the assistance level set by the bike. This will work for a short time before the app. and the controller work together to maintain the assist level required to complete the journey.

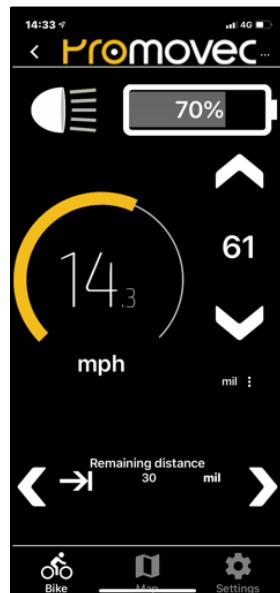


Left:

A small amount of power being used - set by the app.

Right:

Using the manual override to briefly boost the assistance.



Weather and terrain will affect the performance of an electric bike. In hilly areas, in a strong headwind, or when the bike is heavily loaded, there will be a significant increase in the power used from the battery and hence the range will decrease accordingly. A lightly loaded bike will achieve higher performance levels.

No Assistance - Normal Pedal Bicycle

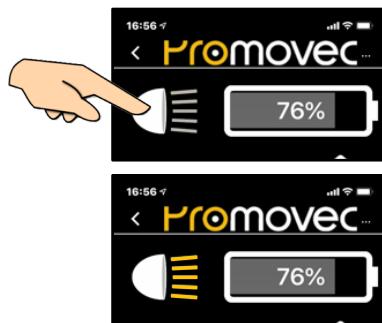
In Speed and Eco modes the assistance level can be set to ZERO, then the motor will not be turned on. Your BATRIBIKE will now act and feel like a normal bicycle. The app. will still record your distance and trip time.



Light - where fitted

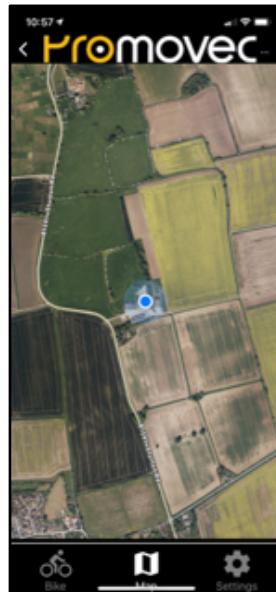
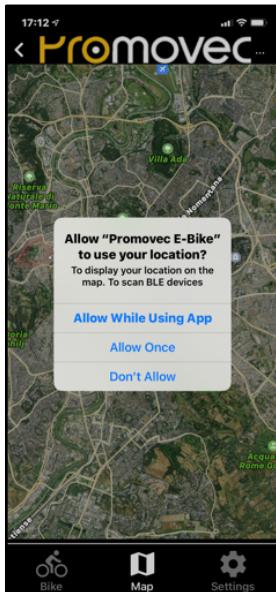
The lights on the bike can be turned on or off using the light icon.

The lights can also be accessed via the handlebar unit (see page 5).



Map

The map feature can display your location.



Service Tab

The Service Tab displays any error codes and the Battery State of Health.

16:56		ProMovec	Application	Bike	Service
Battery State of Health (SOH)		100 %			
Controller status	0	Error code	0	Last error code	0
Motor Enabled	ENABLED				
Display Status	0	Brake Status	NON ACTIVE	Walk Assist	NON ACTIVE
		Light Status	DISABLED		
Bike Controller Firmware Version	1				
Smartphone Application Version	0.23.25.0				
...		Bike	Map	Settings	

Please consider the environment before disposing of any part of your Batribike Electric Bicycle.



The Battery Pack contains Lithium and Special Consideration should be given to its safe disposal. Your Local Authority should have the necessary facilities in place.



If you prefer you may take your original battery to BATRIBIKE for recycling.

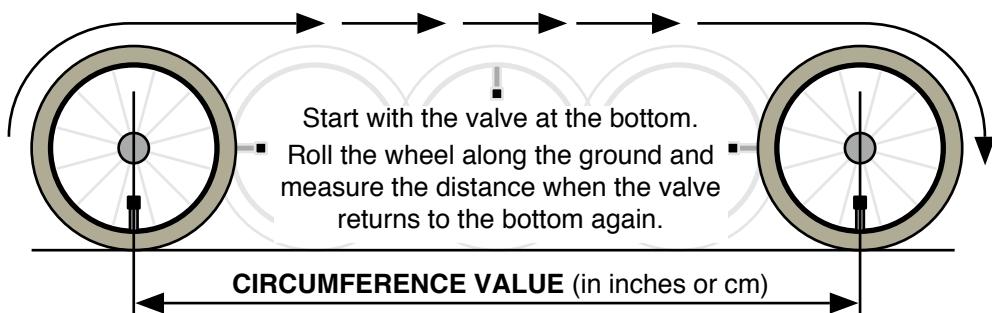
Never dispose of batteries in a fire or subject to puncture or crushing.

Circumference Settings for BATRIBIKE Models
with Standard Tyres fitted

MODEL	TYRE SIZE (Inches) STANDARD TYRE DESCRIPTION	VALUE
VISTA	28 x 1.60 <i>Schwalbe 42-622 Spicer</i>	86in / 218cm
GAMMA	28 x 1.60 <i>Schwalbe 42-622 Silentio</i>	86in / 218cm
DELTA	27.5 x 2.25 <i>Tough Tom/ Schwalbe 57-584 Rapid Rob</i>	86in / 218cm

Measuring the Circumference

If you have a non-standard tyre fitment you can determine the value to use by measuring the circumference as follows:-



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incorporates
Danish
designed **Promovec**®
sustainable e-bikes

electronics
& drive
system

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