

Daymak Drive Application iOS

User Guide



Thank You

Thank you for your purchase of our Daymak product. By choosing to utilize an electric vehicle, you are actively doing your part to reduce your carbon footprint. In order to fully take advantage of all features of your Daymak product, it is advised to download our application that can be found in the App Store.

If you are experiencing issues or cannot locate the file in the app store, please contact info@daymak.com or call us at 1-800-649-9320

The following information will guide you through installation, usage, and troubleshooting various features of the app.

About Daymak

Daymak, a Toronto-based company, incorporated in 2002, is a leading developer and distributor of personal light electric vehicles. Daymak's goal is to reduce the carbon footprint one electric vehicle at a time! Please visit www.daymak.com for more information.

Our electric bicycles represent an energy-efficient and eco-friendly alternative for people who need to get around the city. They greatly increase the practicality of bicycle transportation in urban centres. Costing only a few cents to charge, an e-bike can make city life more convenient and much less expensive.

While there are many new Green technologies that are still in their infancy, electric bicycles have been developing over the last 40 years or more. E-bike technology has been dramatically refined since the introduction of the first custom-conversion bicycles. Today, electric bicycles are a supremely reliable and affordable means of transportation.

Daymak is constantly developing new eco-friendly alternative transportation strategies, led by its own Research and Development department in Toronto, Canada. We are always improving our products. Our innovative in-house engineering and quality testing provide customers with many new kinds of reliable, eco-friendly vehicles, designed to help change the lives of our customers and the world.

Daymak warranties, services, and stocks parts for everything it sells.

We support our products.



Installation

To begin, go to the App Store on any iOS device and search for Daymak Drive App. Once you see it simply click on the download button.



The next screen should outline what e-bikes are available to be paired. Click on the desired device to be paired, and click connect.

A prompt will ask to confirm if this is the desired device to pair, click connect.

The Password to connect to your device is **12345678**

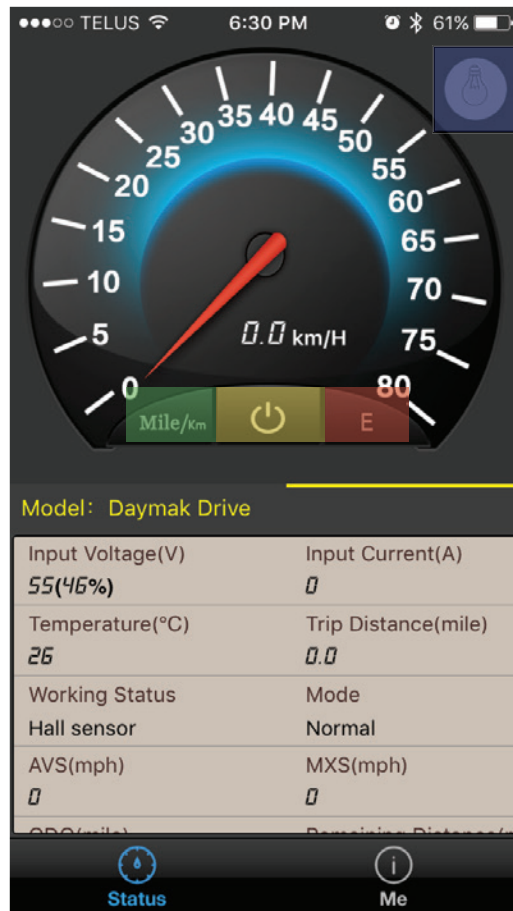
If you do not see your device there, check to make sure your bluetooth is turned on and that your unit is turned on.

toggle kilometers to miles

disconnect from e-bike

toggle language

change led



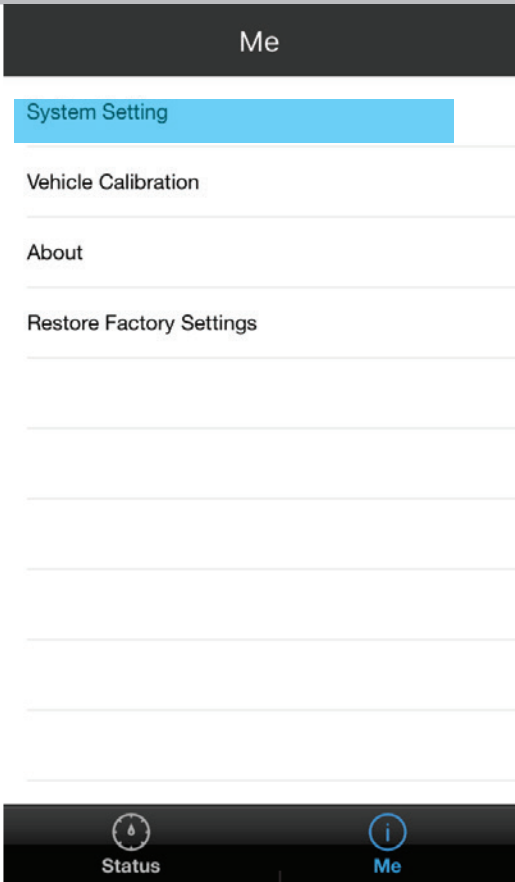
Status Screen

Once connected, by default the screen is set to the Status tab, as indicated by the blue highlighted button on the bottom row.

This screen shows important information regarding your e-bike, including the input voltage, input current, the temperature of the controller, the trip distance odometer, a confirmation of the status of the Hall Sensor, Mode (turbo, ECO, boost), and your average speed as well as maximum speed (in kilometers per hour).

The fourth button on the bottom row, called "Me," brings up features that the user can tweak to change settings on the controller for the e-bike.





On the “Me” tab, you can access the controller settings by clicking on controller settings.

All features are explained in the next page.

Saving screenshot...	
Back	setting
Fast Start	off >
Soft Start	5 >
Overspeed On/Off	[15,80] >
Forward/Reverse	Positive >
Manual Cruise	ON
Auto Cruise	OFF
Speed Limit	off >
Reverse Speed Limit	50% >
EBS Brake	5 >
Save Device data backup	

Saving screenshot...	
Back	setting
Fast Start	off >
Soft Start	5 >
Overspeed On/Off	[15,80] >
Forward/Reverse	Positive >
Manual Cruise	ON
Auto Cruise	OFF
Speed Limit	off >
Reverse Speed Limit	50% >
EBS Brake	5 >
Save Device data backup	

Saving screenshot...	
Back	setting
Battery Current Limit (A)	100% >
Phase Current Limit (A)	100% >
Hall Sensor Phase Angle	120 >
ECO Mode	OFF
Adjust Accelerator Curve	ON
BOOST	OFF
Under Voltage Thresholds	40 >
Motor LOCK	OFF
Restore Factory Settings	OFF
Save Device data backup	



Controller Features

Fast Start: Fast start has priority while opening at the same time as soft start. Reduces the time needed to achieve maximum speed. Higher values make your bike accelerate quicker (1-10) Fast start supersedes slow start when it is activated.

Soft Start: Display the star mode and range adjustment of controller while starting. The range is divided into 10 grades. The higher, the slower. Entering the following interface, soft star can be set, turn on or off and turn up or down. The acceleration of your bike will slow down. Higher values make acceleration slower (values 1-10)

Overspeed On/Off: Weak magnetic overdrive grades (10 grades). The higher, the faster. That's to say, speed up to 120%~130%. Low speed ratio, speed of first gear (10%~80%), Matching with low speed switch.

Forward/reverse: Spins the motor positive or negative direction. Only works if the motor supports this.

Manual Cruise: Turn on or off the button of manual cruise. The controller keeps the real-time speed, matching with manual button.

ON/OFF values: Controller keeps the real-time speed when turned on.

Auto Cruise: Turn on the button of Auto Cruise or keep hold of the throttle for 8 seconds, auto cruise begins. If manual cruise turns on, auto cruise will be invalid. When this is on, the rider must hold the throttles position for 8 seconds to allow controller to hold the speed. Auto cruise does not work when Manual is on.

Speed Limit: Adjust the highest speed (30%-60%) of vehicle. Too Low speed limit affects starting torque. Adjust the speed of the motor. You can limit the speed of the motor by 30-60%. Low Values can affect the acceleration speed.

Reverse speed Limit: Adjust the highest speed (10%-100%) of reverse. Much too low speed affects reverse torque. Similar to speed limit. This controls the spin rate of the motor in reverse (10%-100%). Low values will affect acceleration in reverse.

EBS Braking Force: intensity range of electronic braking (10 grades) The higher, The stronger, matching with braking function. Increases the sensitivity of your Electronic braking (1-10 Values) higher values require less pressure on the brake lever.



Controller Features

Battery Current Limit (A): Adjust the max output of battery (50%~100%) Too small output current affects starting torque. Change the max output current of the battery. (50-100%) Smaller values can have an effect on acceleration and torque.

Phase Current Limit (A): Adjust the max phase current of motor (50%~100%) Too small phase current affects starting torque. Adjust the max Phase current of motor (50-100%)

Hall Sensor Phase Angle: Motor hall installation angle (120° or 60°). Phase can't be matched if choose wrong angle.

Eco mode: After starting all current becomes weak. It is suitable for small battery to increase mileage. Preset mode that reduces battery current after starting the bike. This feature increases mileage and is ideal for small batteries.

Adjust Accelerator Curve: Start linear control and nonlinear control shift, increasing controllability of low speed.

Boost: Higher mode output, torque by 20%. Auto Shutoff while controller temp exceeds 80°C. High torque mode. Controller pushes the torque up to 20% or until the motor temperature reaches 80°C.

Low Voltage Cutoff: Adjust cut-off voltage of controllers. When the battery reaches this voltage, controller stops working and protects itself. Adjusting range depends on the controller setting. This feature allows you to set a low voltage setting. If your battery reaches your setting it will shut off.

Motor Lock: Manual start locks the motor mode so that vehicle can't be moved. This mode is kept even more power off until the power on next time, unless shut down by app, being used when the power switch turns on. This feature disables the motor. Can be used for anti-theft measures of act as a kill switch. (On/Off Values)

Restore factory settings: Restore Controller's Original factory setting. Controllers inside parameters will be restored to original factory settings. All adjusting parameters will be substituted with factory settings parameters. Double confirm after clicking and sending directly without clicking send button. Restores the settings back to the original state.



LED Lights

On the main screen, click the lightbulb in the upper right hand corner to change the colour of the LED lights. (This only applies to vehicles that have the appropriate LED's / LED case. Tap on the colour that you want to change it to.

