

Riding the Priority eCoast

Starting Out

The e-Coast was designed for adult use only. To turn on your e-Coast, press the power button before you start riding. Give the bicycle a moment to turn on before pedaling fully. When the bicycle turns on, it will be on pedal assist level 0. This allows you to ride the bicycle like a standard non-ebike.

Display

The top right number indicates the pedal assist level. This will be 0 - 5, use the “+” and “-” button to cycle through the levels.

The bottom right number is your current trip distance.

The middle left number is your current speed

Throttle

The throttle is a sensitive component of the bike. When walking alongside your bicycle, make sure the bicycle is off or at least in pedal assist level 0. This will help prevent you from accidentally engaging the throttle.

The throttle is located on the right side of your handlebar. If at pedal assist level 0, the throttle will not engage. To use your throttle, you must be in pedal assist mode 1 – 5. You do not have to pedal to use the throttle. To accelerate, twist the throttle gently toward you. A smaller twist provides less power, and a larger twist provides more power. Note, that the throttle is set to stop once you reach the speed limit of the bicycle. Hold the throttle in a fixed position partially twisted towards you to maintain a constant speed.

Pedal Assist

The eCoast is a pedal-assist bike. This means the motor will only provide power if you are pedaling or using the throttle. To use the pedal assist, press the “ + ” button on the top left of the controller and begin pedaling. On your display, you will see five pedal assistance levels. As you go up from 1 – 5, your motor will provide more power when pedaling. Squeezing the brakes will immediately cut the power from the motor until the bike senses that you are pedaling once again.

Walk Assist

Walk assist mode will give you a boost when walking beside the bike. With the bicycle in pedal assist level 0, press and hold the “ – ” button. The bicycle will maintain 1.5 mph as long as the button is held. To stop the walk assist, release the “ – ” button.

Adjusting the Priority eCoast

Settings

A short press on the power button will cycle through the different metrics.

The bicycle will record Trip Distance, Max Speed, Average Speed, and Time of Your Ride.

Lights

The front and rear lights operate by holding the "+" button for 2 seconds. The rear light will also shine bright when you use your brake and act as a brake light.

Change Settings

Hold the "+" and "–" together to open the settings menu.

Holding the "+" and "–" buttons will exit the settings menu.

There are 5 pages within the settings interface. Pressing "+" and "–" will cycle between the pages. A short press on the power button will enter the menu and allow you to change the setting on each page.

Use the + and – buttons to move between the options of the menu. Press the power button to select the highlighted option.

P1 sets whether the speed readout is in mph or kph.

P2 sets the maximum speed for pedal assist or throttle.

P3 sets the bike's wheel size.

P4 sets the displays' brightness.

P5 sets the time until auto shutdown if the bike is not being used.

P6 resets the current trip, (you cannot reset the total mileage).

Changing the speed limit does not mean that the bike cannot go any faster than the set speed, but that the motor will not provide assistance higher than this speed. When you first assemble the bicycle, it will be set at a pedal assist speed limit of 20mph.

Please check your local laws and spend some time getting used to the bicycle before raising the speed limit beyond 20. We also recommend visiting any reputable bike shop for a safety check before embarking on your first adventure!

Charging and Storing the Priority eCoast

Battery

The eCoast battery is designed to charge both on and off the bicycle. On the left side of the battery is the charging port and off/on switch. If you take a look at the left side of the battery, you will find a lock. You don't need the key to install the battery, the key is used to remove the battery from the rack. To remove the battery, turn your key in the lock and then pull the battery straight back away from the bicycle.

Charging

Plug the charger directly into a wall outlet, please do not use a power strip. It should be the only plug in the outlet, sharing power with no other devices. Charging the battery from 0% to 100% takes about 2 – 3 hours.

Range

Depending on pedal assist level, throttle usage, speed, outdoor temperature, total weight, the level of hills in your ride, we see a range from 20 – 60 miles per charge.

Battery Life Tips

You want to limit the number of times the battery goes to 0%. You also want to keep it from overcharging and remove the charger once at or near 99%. When the eCoast is not in use, please keep the battery on the "off" position.

Storage and Temperature.

It is best to store the battery indoors, a garage could be better due to fluctuating temperatures. Room temperature is ideal for storage, no lower than 32°C and 110 °C. When the bicycle is not in use, it is best to keep the battery disconnected from the bicycle. When storing the battery, ensure the power is between 60% - 95%. Check on the battery every few months, if you see it is below 60% then give the battery a short charge.