

Quick Start Guide V2.0

Optibike Pioneer Allroad



This is the Quick Start Guide for the Optibike Pioneer Allroad electric bicycle. The Guide provides for basic information required to ride the Allroad. It is not intended to be an extensive manual. It is recommended that you always ride your Allroad with a helmet and observe all traffic regulations.



Where You Can Ride



- ▶ The Pioneer Allroad is considered an electric bicycle by Federal Guidelines.
- ▶ It can be operated where electric bicycles are legal.
- ▶ Laws for electric bicycles vary by town and state.
- ▶ Generally, electric bicycles are allowed on all bicycle lanes on streets.
- ▶ Their use on dedicated bike paths or off road trails varies.
- ▶ Consult your local municipality for their regulations.
- ▶ In general electric bicycles are subject to the same regulations as regular bicycles.
- ▶ If you plan to ride at night, a headlight and taillight are required and should be purchased at your local bicycle shop.



Special Electric Bike Riding Tips

- ▶ Electric bikes travel faster than conventional bikes.
- ▶ Car drivers may think you are going slower than you are and pull out in front of you.
- ▶ This may happen when they pull out from a side street or have just passed you and turning right.
- ▶ Use Hand Signals



- ▶ Be Aware! 
- ▶ Be Courteous to pedestrians and other cyclists.

Riding Gear

- ▶ The following riding gear is recommended
 - Properly fitted helmet
 - Bicycle Gloves
 - Eye Protection
 - Bright Clothing
- ▶ In areas with rapidly changing weather conditions, be sure to bring extra clothing.
- ▶ It is highly recommended that you carry a spare inner tube, basic tool kit, and tire pump when you ride.
- ▶ A water bottle for hydration is also a good idea.
- ▶ Use Sun Screen if riding in sunny areas.



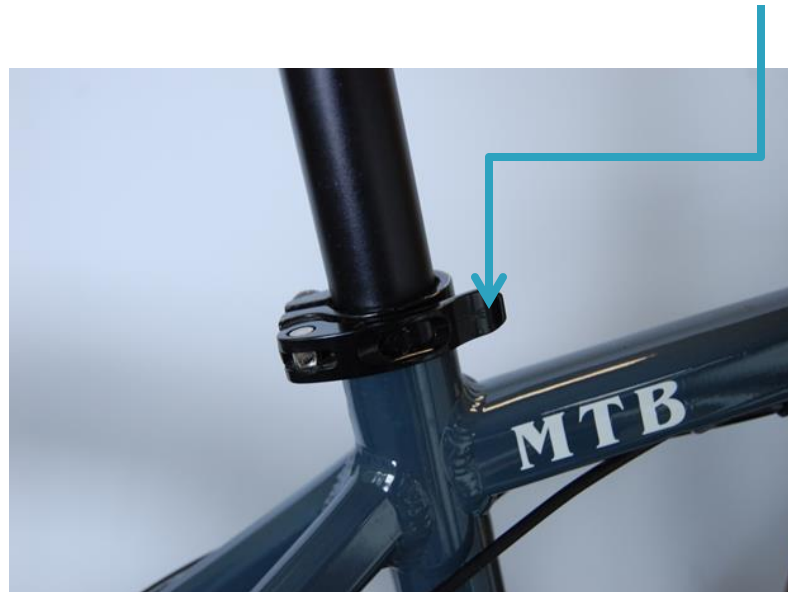
Before You Ride Each Time

- ▶ Check the tires for proper inflation and wear (35 psi is a good pressure)
- ▶ Be sure the brakes are in good working order and adjusted
- ▶ Make sure the chain is lubricated
- ▶ Have the battery charged
- ▶ Check the throttle for free operation, prior to turning on the bike.



How to Adjust the Seat

- ▶ The seat should be adjusted for each rider. It is easily adjusted by rotating the lever on the seat clamp. Adjust the seat to your desired height and then retighten clamp.



How to Turn On the Bike

- ▶ Place the battery in the frame mount.
- ▶ Turn the green switch on the right lower side of the battery to “1”.
- ▶ Hold down the “MENU” button on the keypad until the display turns on.



How to Check the Charge Level of the Battery

There are two ways to check the charge level of the battery.

1. The charge level is shown on the display in the form of a small battery. When the last segment of the battery is flashing, the battery is nearly empty.



2. Push the button on the battery and the led will light up. There are five LED. As the battery is drained, each LED will go off. The LED are not as accurate as the display for battery charge level.



How to Engage the Motor

On the Pioneer Allroad, there are two ways to engage the motor.

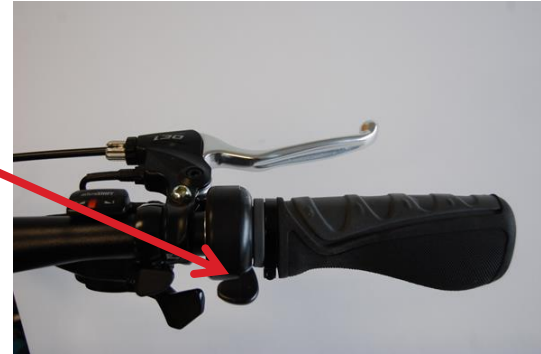
1. Thumb Throttle
2. By Pedaling (Pedalec)

▶ The **thumb throttle** is located on the right handlebar. Push the thumb throttle forward to engage the motor.

▶ Alternatively, you can just **start pedaling** and the motor will engage. Both methods have their advantages.

▶ It is nice to use the throttle when accelerating from a stop, while the pedal activation is nice when you are riding down a longer street.

▶ When you stop pedaling the motor will stop. It will take a second for the power to stop. If you desire to stop quicker, pull the Rear Brake lever (located on the right handlebar) and this will instantly stop the motor.



Pulling on the brake lever will always stop the motor instantly.

How to Adjust the Assist Level

- ▶ The Pioneer Allroad had 5 Assist Levels for the Motor.
- ▶ When the bike first turns on it will be in Assist Level 1, which is lowest power level.
- ▶ To increase the Assist level, push the “+” Button on the keypad.
- ▶ The Assist Level is shown on the display.
- ▶ Level 5 is the highest level of assist.
- ▶ To reduce the level, push the “-” button on keypad.
- ▶ To turn off the pedal assist, keep pushing the “-” button until the “0” level is displayed
- ▶ When the Power Assist is at “0”, the Thumb throttle will also not work.



The motor power, in watts, is displayed here



Riding in higher assist levels will increase speed, but reduce the run time of the battery.

How to Change the Display

- ▶ The display has multiple screens that can display different data.
- ▶ On start up, the display will show the speed.
- ▶ To change display, press the MENU button. You can cycle through the following options:
 - Speed
 - Average Speed
 - Max Speed
 - Odometer (Total miles on bike)
 - Trip Distance
 - Trip Time



To reset the Trip Time and Distance

1. Hold the “+” and “-” buttons for two seconds.
 2. Press the + button once.
 3. Press and hold MENU button.
- If you get mixed up, turn the switch on battery off and try again.

When riding in Assist Level “5”, without stopping, the bike will run for about 35 minutes. In Assist Level “1” the bike will run for over 2.5 hours.

How to Stop

- ▶ Like regular bicycles the Allroad has front and rear brakes.
- ▶ The brakes are disk brakes and offer good stopping ability.
- ▶ Stopping ability is reduced in wet or slippery conditions. In this conditions, plan for extra time to stop.
- ▶ The rear brake is actuated with the lever on the right handlebar, and should always be used first.
- ▶ The rear brake helps stabilize the bike.
- ▶ The front brake is actuated with the lever on the left handlebar, and should always be used after the rear brake has been applied.
- ▶ The front brake accounts for 75% of the stopping ability.



Rear Brake Lever




Front Brake Lever



ATTENTION

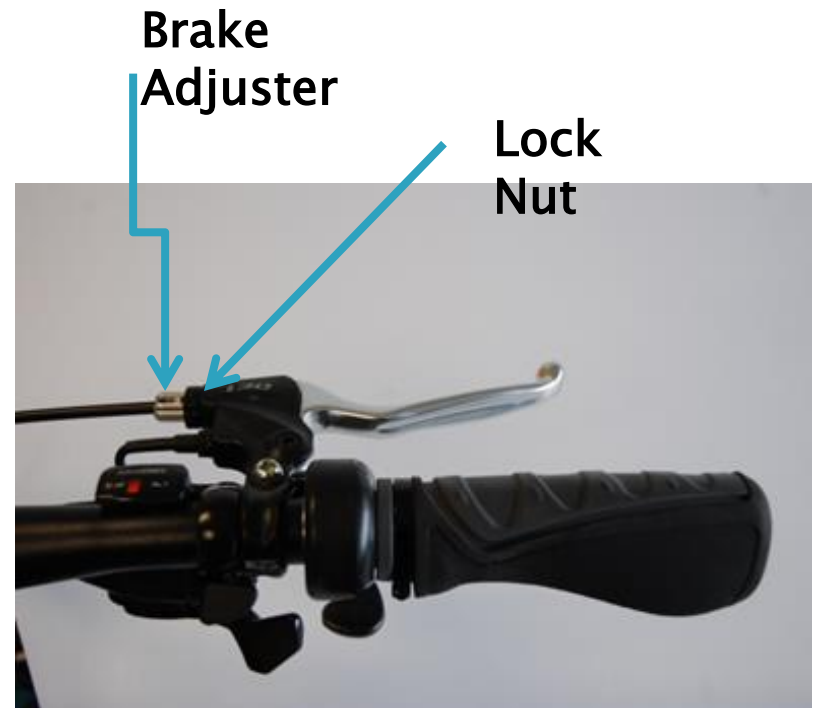
Always apply rear brakes first.

How To Improve Your Braking

- ▶ To be a safe rider, good braking skills are essential
 - ▶ It is recommended that you practice braking in a vacant parking lot.
 - Begin by braking gently and increase braking power as your skill level improves.
 - Always start with rear brake and then apply front brake.
 - You are braking too hard when your wheel begins to skid.
 - Skidding can be dangerous, as it results in the bike losing traction.
 - If you find yourself skidding, release pressure on the brake slightly and shift your weight slightly to the skidding wheel.
 - This is definitely a skill where practice makes perfect.
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How to Adjust the Brakes

- ▶ The front and rear brakes can be adjusted with the adjuster located on the lever assembly.
- ▶ Adjust the brakes so they engage fully before the lever touches the grip.
- ▶ Some people like to adjust the rear brake (right lever) so it engages sooner than the front brake (left lever).
- ▶ Be sure to firmly tighten the lock nut on the adjuster when done.



How to Shift – Overview

- ▶ The Pioneer Allroad has a 24 speed Shimano Microshift Derailleur gear shifting system. There are front and rear Derailleurs. With the Microshift system, each click of the lever, shifts one gear.
- ▶ There are 8 gears on the rear wheel cassette, which are shifted by the levers on the right handlebar. This is the rear derailleur system.
- ▶ There are 3 front chain rings on the cranks which are shifted by the levers on the left handlebar. This is the front derailleur system.
- ▶ The rear Derailleur is easier and quicker to shift and is used for making small changes in gearing, such as riding around town.
- ▶ The front Derailleur system, is slower to shift, and makes big changes in the gearing. These gears would be changed when you need a large overall change in gearing.

Rear Derailleur System



Front Derailleur System



It is recommended that you start riding with the front chain ring in the middle and the rear gear also in the middle. Then adjust the gears as necessary for your terrain.

How to Shift – Rear Derailleur

- ▶ There are 8 gears on the rear wheel cassette, which are shifted by the levers on the right handlebar. This is a Microshift system, so each click of the lever will shift one gear.
- ▶ There are two levers on right side for shifting.
- ▶ The upper lever will shift to a higher gear, for more speed.
- ▶ The lower lever will shift into a lower gear (bigger sprocket, better hill climbing)



You must be pedaling when shifting gears.

How to Shift – Front Derailleur

- ▶ There are 3 front chain rings on the cranks which are shifted by the levers on the left handlebar. This is the front derailleur system.

- ▶ There are two levers on left side for shifting the front derailleur, one to shift into a higher gear and one to shift into a lower gear.

- ▶ The upper lever will shift into a lower gear (smaller sprocket, better hill climbing)

- ▶ The lower lever will shift to a bigger sprocket (higher gear) for more speed.

- ▶ The front derailleur takes time to shift, so have patience.



You must be pedaling when shifting gears.

How to Charge the Battery Part 1

- ▶ The battery can be charged on the bike or taken off the bike to charge in another location. This is handy if your bike is stored in the garage and you wish to charge indoors.
- ▶ To remove the battery, insert the key and rotate. The battery will slightly pop up. Pull the battery back slightly and remove from the frame. There are no connectors to take apart.



CAUTION

The battery and room temperature must be above 40 degrees to charge the battery.

How to Charge the Battery Part 2

- ▶ Select a dry area
- ▶ Plug the charger into a AC wall outlet.
- ▶ The charger is automatically compatible with voltages from 100–230 volts.
- ▶ Plug the small round charge connector into the port on the lower left side of the battery.
- ▶ When the bike is charging, the rectangular LED on the charger will change from Green to Red.
- ▶ When the bike is charged, the LED will be Green again.
- ▶ Charging of a battery will take up to 6 hours.



How to Turn the Bike Off

- ▶ The bike can be turned off two ways.
 - Turn the green switch on the battery to “0”
 - Or push and hold the “MENU” button on the keypad until display turns off.



If You Need More Range

- ▶ If you need to ride longer between charges, you can purchase a second battery.
- ▶ The second battery can be kept at home, or taken with you on rides.
- ▶ The battery can be stored during riding in the optional rear pannier sold by Optibike.
- ▶ This is also a great place to store tools, water and extra clothing.

