

# **TRIAXE** >>>

**S C O O T E R**

# **SPORT**

**By Enhance Mobility**



## **User Manual**

September 2019

Thank you for choosing the **TRIAXE SPORT** Folding Scooter. Please read this manual carefully before operating the **TRIAXE SPORT**. If you have any questions or need further assistance, please contact your **TRIAXE SPORT** Dealer.

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This manual covers the **TRIAXE SPORT**'s characteristics, components, functions, safety guidelines, battery, and maintenance.



The following symbol is used to indicate warning, therefore, it is extremely important you fully understand the content. Failure to follow the warnings may cause personal injury and/or damage the scooter.

Please note all information and photos in this manual are for reference only and are subject to factory changes and modifications.

Before using your **TRIAXE SPORT** Scooter please be sure that the delivery is complete. Your **TRIAXE SPORT** package should include the owner manual, battery, key (2), battery charger and soft sided basket. If you did not receive a complete delivery, contact your authorized **TRIAXE SPORT** dealer.

If damage has occurred to the packaging or contents during transport, contact the delivery company immediately.

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Children should not operate the **TRIAXE SPORT**.

People with health concerns should consult a physician before use.

# 1. TRIAXE SPORT Feature Guide


The TRIAXE SPORT is composed of the following parts: handlebar, handbrake, rear tires, front tire, anti-tip wheels, bumper, tiller, tiller lock lever, foldable seat, seat supporting frame, footboard, luggage rack, battery, charger port, headlight, bumper/pull handle.



- |  |                           |
|--|---------------------------|
| 1. Handlebar                             | 8. Rear Tires             |
| 2. Luggage Rack with<br>Stability Wheels | 9. Anti-Tip Wheels        |
| 3. Handlebar Tube                        | 10. Battery Charging Port |
| 4. Handlebar Tube<br>Release Lever       | 11. Headlight             |
| 5. Front Tire/Motor                      | 12. Back Rest             |
| 6. Bumper/Pull Handle                    | 13. Cushioned Seat        |
| 7. Seat Frame                            | 14. Foot Board            |
|  | 15. Tiller Lock Lever     |
|  | 16. Tiller                |

## 2. TRIAXE SPORT Specifications

Model	TRIAXE SPORT T3045
Overall Length	34"
Overall Width	20.5"
Tires	8" solid front tires
	10" solid rear tires
Maximum Speed	Up to 12mph
Range	Up to 35 miles
Turning Radius	33 inches
Weight (without battery pack)	44 lbs
Color	Red, Light Blue, Orange, Purple, Black, Silver
Brake	Hand brake controlled rear disc brakes
Drive system	Front Wheel Drive, Brushless Motor
Handlebar	Steel with Rubber Hand Grips
Maximum weight capacity	Up to 350lbs
Seat Width	13" standard, 18" optional
Seat Height (from the ground)	22"
Battery	48V/12AH or optional 48V/6AH (travel)
Motor	48V - 500W
Battery Charger	48V - 2AH

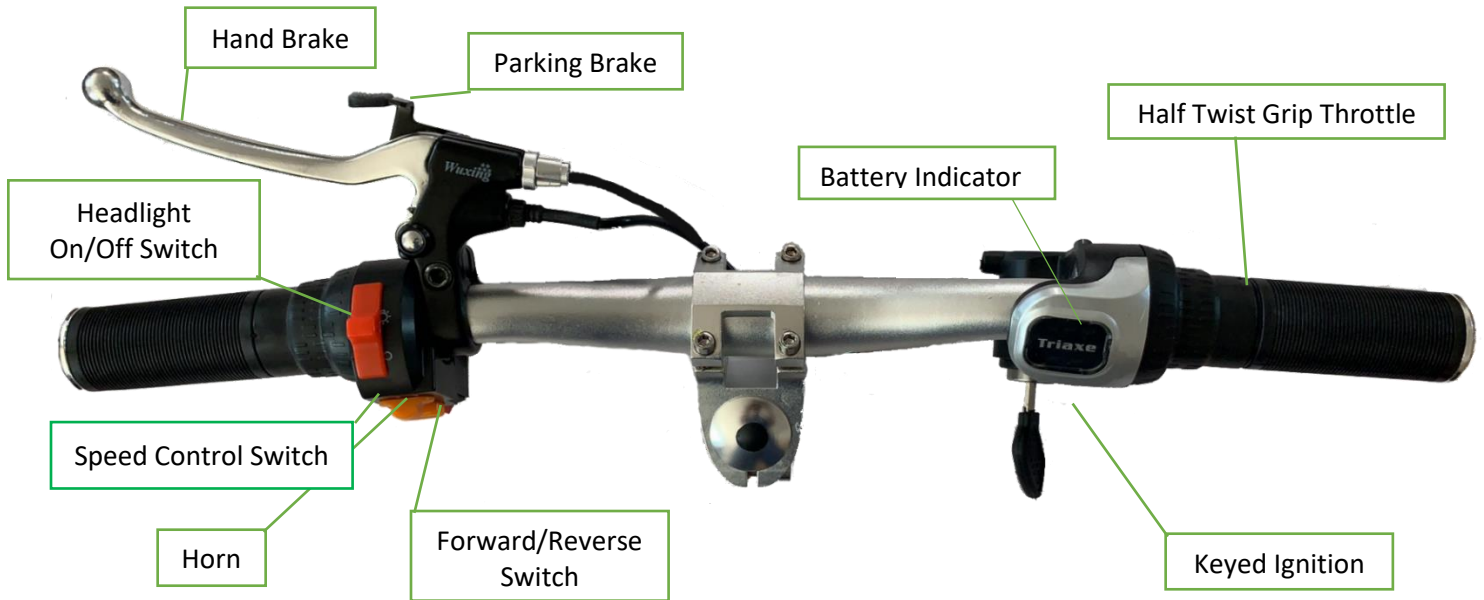
 Always pull out the luggage rack with stability wheels (Fig 1) before operating the TRIAXE SPORT to the first pin placement.



**Fig 1**

### 3. Key Components

#### Handlebar Controls



The Handlebar Control consists of a keyed ignition, twist grip throttle, forward-reverse indicator, horn, headlight on/off switch and handbrake that also acts as a parking brake.



Always protect the TRIAXE SPORT Handlebar Controls from humidity and water. If the handlebar controls have been affected by moisture, dry before operation.



Twist the throttle grip **SLOWLY**. Never twist all the way back when starting. This will accelerate very quickly and cause the front tire to spin.



Do not adjust the speed to maximum when turning or operating in reverse.

## 4. Operating Instructions

### Turning on the Power

Turn battery switch to On (I) position. (Fig 2)

Put key in ignition and turn clockwise to turn on. (Fig 3)

Turn key counter-clockwise to turn power off when you stop.



Fig 2



Fig 3



Fig 4

### Luggage Rack with Stability Wheels

The luggage rack with stability wheels should be pulled out whenever the TRIAXE SPORT is in motion. To pull out the luggage rack with stability wheels locate the pin ring (FIG 4) on the lower left-hand corner of the back of the scooter. Hold pin ring out while pulling the luggage rack with stability wheels out until it locks in place. There are 2 pin lock locations, the 2<sup>nd</sup> location is used for luggage, the 1<sup>st</sup> location is used for normal riding. To return the luggage rack with stability wheels to the transport and storage position, pull pin ring out while pushing the luggage rack with stability wheels back into place.

### Speed Control

Speed is controlled by the half twist grip throttle (Fig 5) and the speed switch control (Fig 6).

Twisting the throttle grip towards you will increase the speed. The speed control switch is located on the lower left of the handlebar. Always start with the speed switch control at 1. This will take you to speeds up to 4 mph. Switching to 2 will increase speed up to 8 mph and 3 will increase speed up to 12 mph. You can switch from 1<sup>st</sup> to 2<sup>nd</sup> and 3<sup>rd</sup> and back again while the scooter is in motion. The speed you travel at depend on many factors including weight of rider and conditions of the surface you are riding. Releasing the throttle grip will reduce the speed of the motor but to stop you must use the hand break.

The Reverse/Forward indicator (Fig 7) is also found on the left side of the handlebar. Press switch to R for Reverse and F for Forward.



Fig 5



Fig 6



Fig 7

## Battery Indicator

The battery level indicator (Fig 8) will show the battery level when the scooter is on. When 3 green lights are lit, the battery is fully charged, 2 green lit, the battery is ½ charged. One green lit, the battery needs to be charged. The red light in the left-hand corner indicates the power is on.



Fig 8

## Brakes

The rear disc brakes are controlled by the hand brake (Fig 9) on the left side of the handlebar. Squeeze the handbrake towards you to stop the scooter. The parking brake will lock the rear wheels in place and will prevent rolling. It also acts as a cut-off switch, if parking brake is engaged and the throttle is turned, the scooter will not move. The parking brake is on the left handgrip, beyond the hand brake. To engage - squeeze handbrake fully and then press in black parking brake lever. To release the parking brake squeeze the handbrake. There are 2 settings on the parking brake. The 1<sup>st</sup> setting keeps the scooter from rolling freely. The 2<sup>nd</sup> setting locks the wheels in place for no movement.



Fig 9

## Horn

The horn button (Fig 10) is an orange button on the left side of the hand grip. When you press the button, the horn will sound.



Fig 10

## Headlight

The headlight turns on by pushing the switch on the handlebar up for off (Fig 11) and down for on (Fig 12).

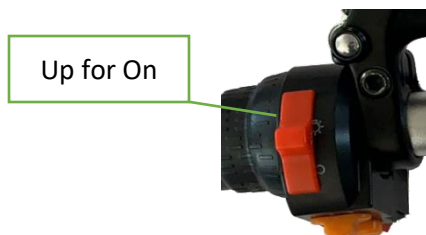


Fig 11

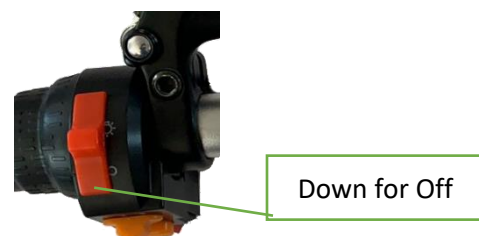


Fig 12



## 5. Folding and Unfolding the TRIAXE SPORT

### To Open the TRIAXE SPORT

1. Pull front tiller forward and squeeze tiller lock lever (fig 13) towards steering tube until it locks in place.
2. Raise back rest.
3. Lift seat straight up until it locks in place (Please note some TRIAXE models are designed to stop midway up and you will have to squeeze the lever under the seat again to raise the seat the rest of the way).
4. Pull handlebars up to a comfortable height and lock into place by squeezing handlebar tube release lever. If handlebar does not stay in place, open the handlebar tube release switch and turn the lever clockwise one revolution to tighten, then close the handlebar release lever. If handlebar is still loose, repeat last step until tight.
5. Pull luggage rack pin ring and hold while pulling out luggage rack with stability wheels. The luggage rack with stability wheels should be out anytime the TRIAXE SPORT is in motion.
6. Pull out bumper/pull handle by holding pin ring out while pulling the luggage rack with stability wheels out until it locks in place.



Fig 13



Fig 14

### To Fold the TRIAXE SPORT

1. Pull luggage rack pin ring (Fig 3) and push luggage rack with stability wheels in.
2. Locate the lever under the seat. (Fig 14)
3. Squeeze lever towards the back of the seat to lower. (Please note some TRIAXE models are designed to stop midway down and you will have to squeeze the lever again to lower the rest of the way).
4. Fold back rest down.
5. Release handlebar tube release lever and lower handlebar.
6. Release tiller release lever by pulling up on the knob and pulling lever towards front wheel.
7. Bumper/pull handle can be used as handle to transport the TRIAXE SPORT like rolling luggage.



## 6. Safety Requirements

### Driving Surface

The TRIAXE SPORT has the best stability under normal driving conditions (dry, level ground with concrete or asphalt). Extra care must be taken when riding on other surfaces (grass, gravel, etc).



It is unsafe to drive the TRIAXE SPORT up steep inclines.  
Please read the manual instruction completely before operation.

- Check the physical conditions of the scooter (tires, battery, bolts) before driving the scooter.
- ***ALWAYS SLOW DOWN BEFORE TURNING.***
- ***ALWAYS TURN THE KEY OFF AND SET PARKING BRAKE BEFORE GETTING ON OR OFF THE SCOOTER.***
- ***The TRIAXE SPORT should only be used with the luggage rack with stability wheels pulled out.***
- TRIAXE SPORT Scooters can be used safely in short grass and hard gravel.
- Avoid driving in loose gravel, covered soil and sandstone.
- Do not drive the scooter in unknown road conditions.
- The TRIAXE SPORT can ride over small obstacles within a certain height, but you must minimize the speed and slowly drive over the obstacle.
- Do not operate the scooter before you have fully read and understand this manual.
- Do not carry additional riders on the scooter, chassis or lap.
- Do not operate while under the influence of alcohol or drugs.
- Ensure the seat is fixed and fastened.
- Slow down when operating on uneven or soft ground.
- Do not park on slopes.
- Changing the initial setting or refitting your scooter is forbidden.
- Use caution when operating near busy streets, markets or shopping centers. Do not operate in unsafe areas. Please consult local authorities about the traffic rules for scooters.
- Hold the handlebar with both hands and put both feet on the footboard when operating.
- Never sit on the TRIAXE SPORT in a moving vehicle.
- Do not exceed the maximum gradient when driving
- Do not exceed the TRIAXE SPORT's maximum weight capacity of 350lbs. This weight includes rider, accessories and baggage.
- Do not reverse on uneven slopes or uneven ground; be careful when passing over slopes.
- Never use the TRIAXE SPORT to go up and down stairs.
- Never take your TRIAXE SPORT on an escalator.
- Do not operate on frozen, slippery or salty ground.
- Never charge a frozen battery.
- Do not hang bags, clothing or other personal property from handlebars of the TRIAXE Sport.

## 7. Battery Maintenance & Charging

The TRIAXE SPORT Scooter is designed to use one maintenance free 48V/12AH lithium ion battery or the 48V/6AH travel battery. It comes with an easy to use 48V-2AH charger.

- Charge the battery completely before the first operation. Not charging the battery completely prior to operating your TRIAXE SPORT for the first time can cause damage to the battery.
- Be sure the key is in the off position before charging your TRIAXE SPORT.
- Take battery off charger if storing the TRIAXE SPORT for a long period.
- When storing the scooter put the battery switch in the Off (O) position. (Fig 4)

### Removing the Battery from the TRIAXE SPORT

1. Disconnect the battery from the power connector.
2. Pull down on the pin ring (Fig 15) while sliding the battery up and towards you.

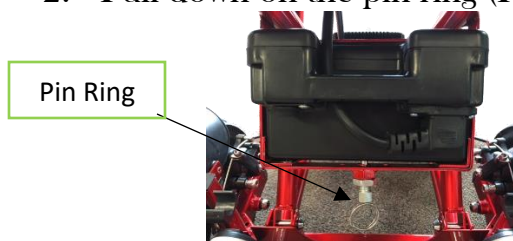


Fig 15

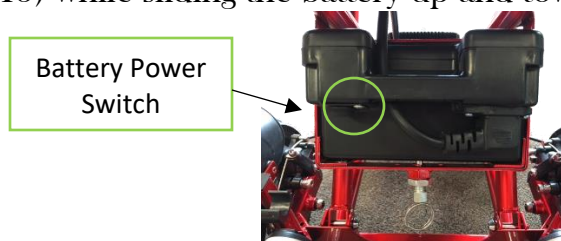


Fig 16

### Charging your TRIAXE SPORT

The Triaxe Battery can be charged in or out of the scooter by following these steps.

1. Turn ignition off and be sure the battery power switch is in the Off “O” Position. (Fig 16)
2. Unplug the plug, shown above, on the right side of the scooter.
3. Plug charger cord into the receptacle on the right side of the battery.
4. Plug the other end of the charger cord into a wall outlet.
5. Turn the battery power switch to the On “I” position.
6. The battery is fully charged when the light on the charger cord turns green.



Match the charger socket and charger plug properly. Do not force.

## Guide to a Safe and Long Lasting Battery

### How does the charger work?

When the battery voltage is low, the battery charger outputs a large current to charge the battery. When the battery voltage is near full, the battery charger outputs a small current. When the battery is full, the battery charger will output very little current. Therefore, the battery will continually charge after connecting the charger, but will not overcharge. It is better to charge the battery for less than 24 hours

### What do the lights on the charger mean?

The red light indicates that the battery is charging. The green light indicates the battery is fully charged.

### Can other chargers be used?

To charge safely and efficiently, use the charger supplied by the manufacturer only.

### How often should you charge the battery?

The charge time depends on the use.

- If you're operating the scooter every day, charge after each use so it will have a full charge the next day. The time to charge the battery fully can vary from 4 up to 8 hours.
- If you're operating the scooter once a week, then the battery should be charged once a week.
- Be sure the battery is fully charged before operating.



Do not let the battery fully discharge before charging.

### How can you get the maximum operating distance?

Driving conditions such as hills, uneven and soft surface, temperature and user weight will affect the distance or running time for battery life.

### Methods of obtaining the maximum driving distance

- Fully charge your battery before operating the TRIAXE SPORT.
- Maintain a constant speed when possible.
- Only carry the necessities to reduce weight.
- Avoid intermittent driving.

### Why is the power of the new battery weak?

Deep-cycle batteries use a unique chemical technology and design. It can be charged quickly and be used for a long time after full charge. The battery is fully charged before leaving the factory but may change its initial performance during the transportation due to the temperature. The power of the battery will lessen in high temperatures and it will extend the charging time in low temperatures. The battery requires a few days to adapt to the surrounding environment before it gets stable performance. More importantly, a deep cycle battery will get better performance after

several charging – discharging cycles. **Do not fully discharge battery.**

**Please follow the steps below to improve the battery performance:**

- The new battery must be fully charged before using
- Low speeds are recommended for the first time. Do not travel too far until you are familiar with the operation of the scooter and the battery.
- Fully charge the battery after operating TRIAXE SPORT the second time.
- The battery capacity will reach 100% and extend the driving time after four to five charging and discharging cycles.

**How to ensure the battery life**

A fully charged battery will provide better performance and extend battery life. **Do not fully discharge battery.**

**How to store scooter and battery**

- Charge your battery fully before you store it.
- Remove battery from the TRIAXE SPORT.
- Store your scooter and battery in a warm, dry place (not hot).
- Avoid storing the scooter in area with temperature variations.
- If storing scooter, charge battery at least once per month.
- For optimal battery life, be sure to use your scooter monthly.



Do not dismantle the Li-polymer battery and do not add water. Failure to observe this warning will void the warranty and damage the battery and scooter.



If battery is frozen, warm for several days before charging.

## 8. Maintenance

With care and regular maintenance, the TRIAXE SPORT is designed to provide years of enjoyment. The following will keep your TRIAXE SPORT running at optimum levels.

### Battery

- Make sure battery is fully charged.
- Store the battery in a dry environment.
- Check electrode connections for corrosion.
- Never charge a frozen battery (warm for a couple days before charging).

### Seat

- Clean seat cover with clean, damp cloth.

### Cleaning

- A clean, damp, non-abrasive cloth works best to wash and clean the TRIAXE SPORT.
- Do not wash your TRIAXE SPORT with a water hose as this may create an electrical short and damage the electrical system.

### Wiring

- Check all wire connections and wiring insulation for wear and damage regularly. This includes the charger power cord.

### Motor, Bearings and Transmission parts

- These components have been lubricated and sealed by the factory, there is no need to lubricate these parts.
- Store in dry environment. Electric components should avoid moisture. If they do come into contact with moisture, dry before use.
- Check and tighten bolts regularly.

### Tires

- For optimal performance, tire life, ride quality and battery life the tire pressure should be checked often and kept at 36 PSI.

## 9. Basic Troubleshooting

### Power stops while operating

- Make sure key is in the ON position.
- Make sure battery is properly inserted.
- Make sure battery is properly charged.
- Battery switch is in the ON position.

### If Scooter doesn't move

- Check to be sure parking brake is not engaged.
- Battery is installed properly.

### Slow speeds while driving

- Make sure battery is properly charged.

If you continue to have trouble with your TRIAXE SPORT, contact your authorized TRIAXE dealer.

## 10. Warranty

Our standard warranty is as follows...

**TRIAXE SPORT Scooter**

**1 year parts on all components \***

**6 month warranty for battery**

**3 year warranty on frame**

\*Please note, tires, rims, inner tubes and disc brakes are not covered under the warranty.

Enhance Mobility will ship the parts directly to the customer or to the service center of their choice. Enhance Mobility will provide technical assistance and documentation to ensure the scooter is repaired properly.

If after calling in to the Enhance Mobility Service line 800-296-4151- Option 2 and speaking to a service representative it may be determined that the repair is covered under the warranty and requires return to the factory. In this case the customer will prepay for shipping to and from Enhance Mobility. Shipping Labels will be provided. Labor costs are not included if scooter is not shipped back to Enhance Mobility.

Return shipping must be in Original Packing to protect against damage. Enhance Mobility is not responsible for damage caused by shipping. Enhance Mobility will perform the necessary labor and replace covered parts at its expense and ship back to the customer.