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Titan
Mobility Scooter
GIO Electric eScooter Owners Manual - EN

www.giomobility.com

**PLEASE INSPECT YOUR GIO ELECTRIC TITAN MOBILITY SCOOTER
UPON ARRIVAL AND REPORT ANY DAMAGES THAT MAY HAVE
OCCURRED DURING SHIPPING**



SAFETY INFORMATION



Please note the following information to ensure your safety and get better use out of your GIO Titan Long Range Mobility Scooter

Please read the manual prior to first use and do not permit anyone who has not, operate the vehicle.

This scooter is designed only for one adult only. Never exceed the max load capacity of the vehicle. 440lbs(200kg)

Take extra care when handling the batteries inside your scooter. Avoid directly touching contacts with damp hands or metal tools to prevent electrocution.

To ensure the safety and reliability of your scooter, do not modify your scooter, and always use parts, i.e. charger, specifically designed for the GIO Titan.

⚠ ALWAYS APPLY BRAKES WHILE GOING DOWNHILL TO CONTROL SPEED AND AVOID SHARP TURNS AT HIGHER SPEEDS TO PREVENT TIPPING SIDWAYS! ⚠

⚠ THIS VEHICLE WAS NOT MANUFACTURED PRIMARILY FOR USE ON THE PUBLIC ROADS AND THUS IS NOT A MOTOR VEHICLE SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY, BUMPER AND THEFT PREVENTION STANDARDS OR THE EQUIPMENT ITEM IS NOT A SYSTEM, PART, OR COMPONENT OF A MOTOR VEHICLE AND THUS IS NOT AN ITEM OF MOTOR VEHICLE EQUIPMENT SUBJECT TO THE FEDERAL MOTOR VEHICLE SAFETY STANDARDS. [591.5(A)] ⚠

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Riding Safety

ALWAYS wear an approved helmet when riding your scooter

ALWAYS steer with both hands

ALWAYS drive with caution at appropriate speeds

ALWAYS use your scooters turn signals and horn

ALWAYS obey local traffic laws

ALWAYS be aware of your surroundings, pedestrians, traffic, etc

ALWAYS take extra care when driving in spaces shared with motor vehicles, parking lots, driveways, crosswalks etc

ALWAYS apply brakes while driving downhill to regulate speed

ALWAYS take extra care driving in wet conditions

ALWAYS allow extra room for braking in wet conditions

ALWAYS wear reflective clothing while driving in darker conditions

ALWAYS use your lights when driving in darker conditions

AVOID driving while fatigued or tired

AVOID driving under the influence of drugs or alcohol

AVOID distracted driving by not using a cell phone while driving

AVOID driving off-road or on surfaces that may lead to scooter damage

AVOID driving in conditions that may get the electric components wet

AVOID driving in conditions where you are not visible

Overview

Thank you for your purchase of the GIO Electric Titan Long Range Mobility Scooter. It is an easy to operate mobility scooter designed for indoor and outdoor use. This stylish recreational mobility scooter doesn't require any licensing, registration or insurance. (unless required locally) Inspired by motorcycle design, the Titan is packed with features from backup claxon to generous top speeds, long driving range, front and rear suspension, highly adjustable seat and more! This manual contains a wide range of general information and should be read before you operate it.

Assembly

Your Titan arrives 98% assembled and is ready in 5 simple steps.

Step 1 - Unboxing

Untie or snip the wires holding your Titan in its protective frame and remove it from its packaging. Double check that your Titan includes the following components:

Rear Basket



Mirrors



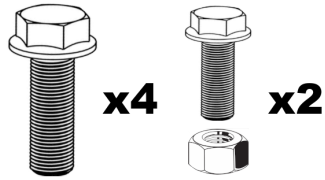
Key & Fob (x2)



Charger



Basket Hardware



Storage Tray Hardware



Riding Poncho

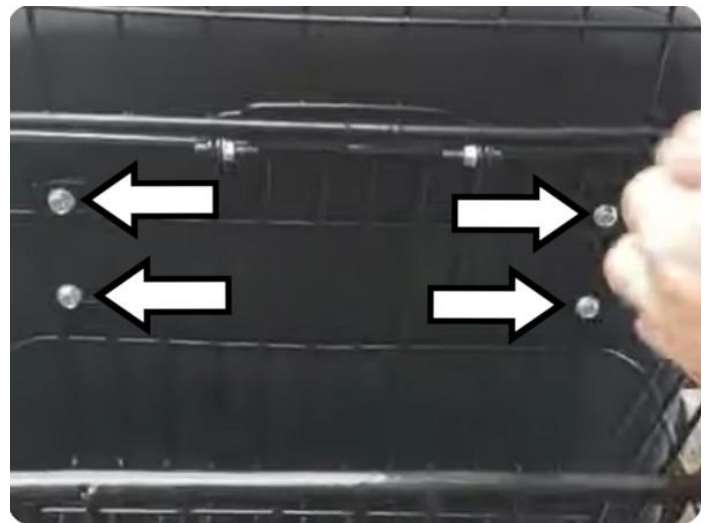
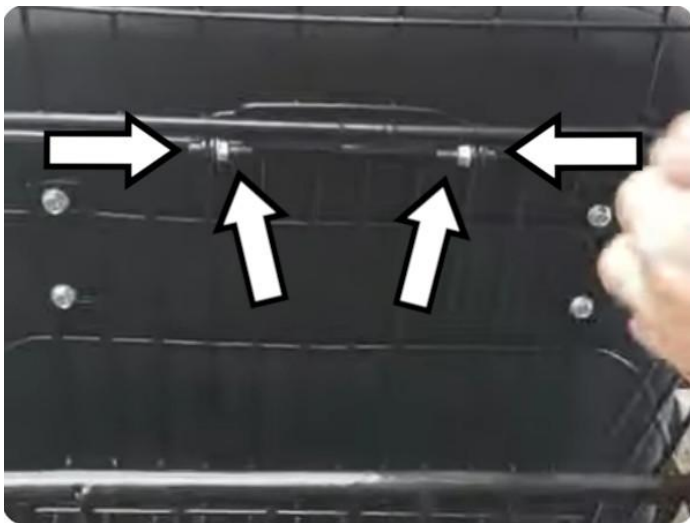


Security Lock



Step 2 - Installing the Basket

First attach the top to the rest of the basket with the provided small nuts & bolts x2 and then attach the entire basket to the rear of the seat with the included long bolts x4.



Step 3 - Installing the mirrors

Safely stored for shipping, twist in the mirrors into place and tighten with a wrench.

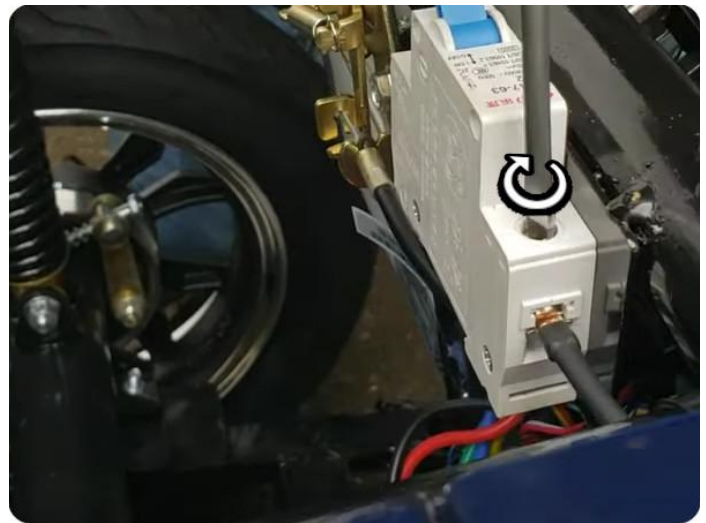
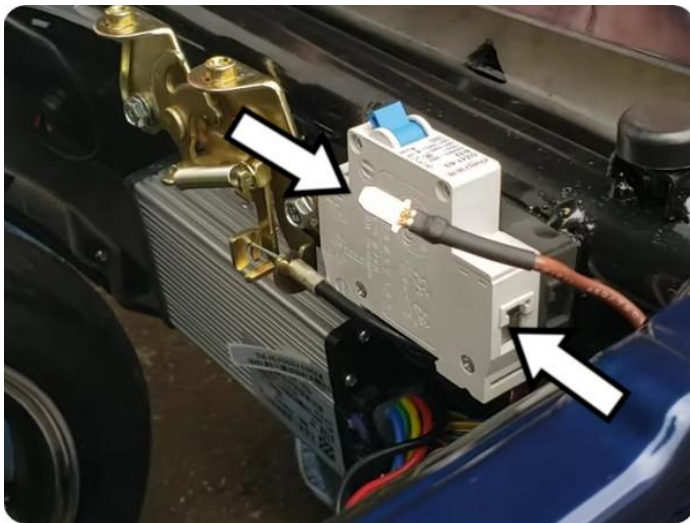


Step 4 - Reconnecting the Battery

Your battery ships with the battery disconnected. Open the underseat compartment then lift and remove the gray plastic under-seat tray. Below the tray sits your scooter's electronics including the battery, controller and breaker.



Locate the disconnected wire near the breaker switch, plug it back into the empty slot on the side of the breaker (side may vary by individual scooter) and tighten the screw above it to secure it into place.



You can now flip the breaker to the on position (your alarm should chirp), replace the under seat tray and secure the tray into place with the medium bolts (x4).



Step 5

Charge your battery for the first time - Your scooter does not arrive fully charged and will need charging before it is ready to drive. See instructions for charging on page 13.

Scooter Diagram



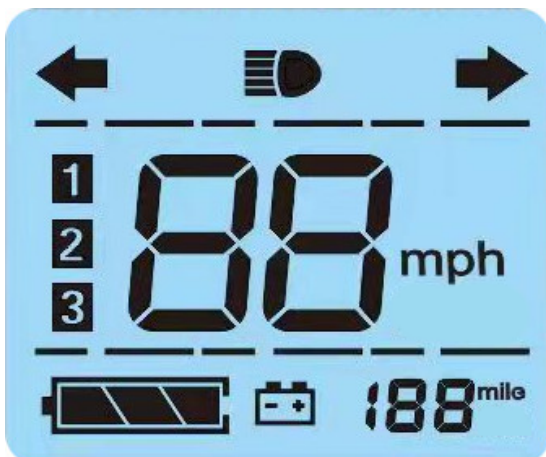
- | | | | |
|---|---------------------------|----|---------------------------------|
| 1 | Mirrors | 10 | Armrests |
| 2 | Headlight | 11 | Seat Adjustment Levers |
| 3 | Front Turn Signal Lights | 12 | Basket |
| 4 | Front Wheel & Fender | 13 | Underseat Compartment |
| 5 | Front Fork & Brakes | 14 | Battery & Controller (internal) |
| 6 | Steering Controls/Display | 15 | Rear Turn Signal Lights |
| 7 | Ignition | 16 | Rear Brakes & Wheels |
| 8 | Scooter Charging Port | 17 | Motor (internal) |
| 9 | Seat | 18 | Tip protection wheels |

Control Diagrams



- 1 Rear brake lever
- 2 Headlight level switch
- 3 Turn signal switch
- 4 Horn button
- 5 USB power port
- 6 Coin holder
- 7 LCD display (see below)
- 8 Bag hook

- 9 Front brake lever
- 10 Twist grip throttle
- 11 3 speed switch
- 12 Reverse switch
- 13 Hazard light switch
- 14 Light control switch
- 15 Horn button
- 16 Ignition



- Turn signal & headlight indicators

- Speed Setting & Speedometer

- Battery Level

Operating & Adjusting your Scooter

Turning your Scooter ON/OFF

To turn the scooter on, insert the key and turn clockwise. To turn your scooter off, turn the key counterclockwise from the on position. The LCD display should activate indicating the scooter is on. Your scooter can also be turned on & off remotely with the included key fob, see further instructions on pg 12. Once the scooter is turned on using a specific method (keys or fob) it can ONLY be turned off with the same method.

Driving your Scooter

The Titan features a variable twist throttle on the right handlebar. (See steering controls diagram) Gently twist the throttle grip inwards to slowly accelerate to the desired speed. Avoid twisting too hard or too quickly as this may result in jumps in accelerations making steering less controllable.

To slow or stop your scooter, release the throttle and squeeze both brake levers to apply both front and rear brakes. Always apply both brakes at the same time, especially when traveling at higher speeds. Please note the electric braking function of your scooter will prevent the motor from starting if the brakes are applied.

⚠ Drive with care on wet/slippery/icy surfaces as it will increase the distance needed to stop, allow extra room for braking in these conditions. When driving downhill it is recommended to release the throttle & apply brakes as needed to control the scooter's speed. ⚠

Your scooter features control switches next to the throttle grip that adjust driving features. The upper switch labeled 1-3 sets the current speed setting of the scooter. The lower green switch drives the scooter in reverse. **Bring your scooter to a complete stop before switching between forward and reverse.**

Speeds:

Speed 1 - 5mph(9km/h)

Speed 2 - 10mph(15km/h)

Speed 3 - 15mph(32km/hr)

Reverse - 3mph(5km/h).

The brake lever also features a parking brake option. Once stopped you can apply the parking brake by squeezing the brake normally and then pressing in the parking brake button. To release the parking brake simply squeeze the brake lever again. Always attempt to park on a level surface if possible.



Using the electric features of you Scooter

Your scooter has several features that have controls also located on either side of the display screen. (See control diagram for locations)

Right Side Controls

The uppermost switch labeled with  toggles the blinking “hazard lights” of your scooter on and off.

The center sliding switch controls the scooters lights:

- () All lights including headlight ON
- (>DC<) Daytime signal & running lights only or
- () All lights OFF

The lowermost of the switches is a button labeled with a horn symbol that activates the scooter's horn.

Left Side Controls

When the light control switch is set to ON (☀) the headlight brightness can be adjusted between low beam and high beam with the uppermost switch.

The center switch controls the turns signals by pushing it in the direction you want to indicate.

The lowermost of the switches is a button labeled with a horn symbol that activates the scooter's horn as well as the first on the right side.

Remote fob and alarm system

The GIO Titan features an alarm system that is controlled with the included fob. This fob can also be used to turn the scooter on and off remotely. To turn on the scooter, press the center power button (🔌) on the fob twice. The scooter will beep once and the display will show the scooter is turned on. Press the power button (🔌) twice again to turn off.

The Titan's built in security alarm is movement sensitive, once activated it will first provide a warning chirp twice and then sound the scooters alarm if it is interfered with further.

Activating the alarm can be done in 2 ways. The scooter will automatically set the alarm when the keys are removed and it sits idle for over 3 min. The second method to activate the alarm is using the key fob. The lowermost button on the fob is the lock button (🔒), press this button to turn the alarm on. The scooter will chirp to indicate the alarm is active.

Once activated, via either method, or if triggered the alarm can be deactivated by pressing the unlock button (🔓), the top most button on the fob.

Charging your Scooter

Your scooter does not come fully charged and requires a full charge before your first use. To maintain the batteries life charge after use and don't allow the battery to empty completely. Locate the charging port just below the front of the seat, insert the corresponding end of your charger and then plug into a standard wall socket. The light on the charger will illuminate **red** while your scooter is charging and will switch to **green** when charging is complete. (Approximately 8-10 hours)

Please note that your charger may become warm or emit sound during charging, this is normal. Oppositely if it doesn't, this does not indicate a problem with your charger.

Avoid dropping your charger and keep away from moisture & cold temperatures! Your scooter will only charge and operate with the breaker in the ON position!

Adjusting your scooters seat

The seat on the Titan has several adjustments. The position of the seat can be shifted forward or backward by engaging the lower adjustment handle, on the right hand side below the armrest, and moving the seat's position. The angle of the seat back can be adjusted by engaging the upper seat adjustment handle and moving the seat back to the desired angle.

Storage on your Scooter

Your scooter comes complete with several storage options. The largest being the basket on the seat located on the back of the seat. There is a bag hook located just below the LCD screen, perfect for shopping bags or a purse. There is also a locked hidden storage compartment located beneath the seat. This small compartment, perfect for a wallet, cell phone, portable scooter charger, etc, can be accessed by inserting the key into the lock located on the rear body below the seat. Once the key is turned and lock disengaged the seat can be lifted from the rear to reveal the storage compartment.

Maintenance & Care

The GIO Titan requires minimal maintenance which can be performed by most users, a friend or family member, or scooter technician. Visually inspect your scooter regularly for any signs of damage, especially after any collisions or accidents.

⚠ To ensure the safety and reliability of your scooter, do not modify your scooter, and always use parts, i.e. charger, specifically designed for the GIO Tron. Always make sure your scooter is turned off before performing any maintenance! ⚠

Safety Inspection List

BEFORE YOUR FIRST RIDE and periodically after, check the following:

Brakes:

- Do the brakes prevent movement when they are squeezed?
- Does the power supply correctly cut out while braking?
- Is there any friction or noise when driving?

Tires:

- Are they properly inflated, with no visible damage? (20-25 PSI)

Lights:

- Do the turn signals function properly?
- Does the headlight function properly?

Steering Handle:

- Does it turn freely?

General:

Are there any loose parts, nuts, bolts etc?

Any issues found should be addressed before riding the scooter!

Battery

⚠ Always charge your battery with the included charger, do not substitute with a different charger. For best performance, charge after use and avoid completely draining the battery by recharging it before the meter reaches zero. ⚠

The battery in your scooter requires regular charging, even when not in use, to maintain its life. This maintenance charge should be performed at least once a month if no other charging has occurred. If storing the scooter for an extended period of time, such as during winter, ensure that it is accessible to perform the required maintenance charging.

All batteries are affected by environmental temperature. The battery will discharge faster at lower temperatures, resulting in a shorter trip time. Prolonged exposure to subzero temperatures may result in damage to the battery.

Ensure the battery does not come in contact with flames or alkaline materials and avoid direct prolonged exposure to sunlight.

The speed the scooter is driven at will directly affect the range and battery life of each ride. The faster the scooter is driven the shorter total ride time will be. Lower speeds will provide the best performance.

Please note that the fobs for your scooter come with the battery preinstalled. If your fob is no longer working or lighting up when pressed, it is recommended that you first replace the battery. Carefully pry the 2 halves of the fob apart revealing the electronics inside. Locate the slot where the battery is and replace it with 1x CR2032 battery. Play the components back in the same order removed and press and click the 2 halves back together.

Tires

The Titan is equipped with tubeless tires, these require less maintenance, and are less prone to flats compared to traditional tube tires. However, damage and flats are still possible. The condition of your tires not only directly affects the ability to drive your scooter but also its general performance.

In the event your tire is unable to hold air, check it for any cuts or punctures. If a puncture is found in the tire can be repaired at home with a basic patch kit for tubeless tires, or by a shop that repairs tires. If there is a cut or greater damage to your tire(s), replacement parts are available to order, please contact customer service.

⚠ The tread on the tires is crucial to the scooter's handling and safety. Worn out treads will reduce the grip between the tire and the driving surface resulting in less control and possible accidents. ⚠

Lubrication

This vehicle is designed with a differential motor for the rear axle and the gearbox needs lubrication with the gear oil. This should be changed every 2-3 years under normal driving conditions.

Cleaning

To clean your scooter use a damp cloth with a neutral soap to wipe clean surfaces. Avoid high pressure or excess water as this may cause corrosion or shorts in electrical components.

Specifications & Troubleshooting

Specifications

Motor:	Differential 48v 500w	Ground Clearance:	2.5" (6cm)
Battery:	48v 20ah lead acid	Seat Height:	29" (74cm) from ground*
Brakes:	Drum Front/Back	Wheel Base:	48" (120cm)
Tires:	10" D3.00 Tubeless	Wheel Track:	27" (67cm)
Top Speed:	15mph(25km/h)	Turning Radius:	47" (117cm)
Range per Charge:	Up to 30miles (50km)	Max Load:	440lbs (200kgs)
Charge Time:	8-10 hours	Dry Weight:	275lbs (125kgs)
Dimensions:	62"x28"x48" (157x72x122cm)	Max Incline:	25°

Troubleshooting

Issue	Possible Cause	Solution
Battery gauge doesn't register anything when, scooter is ON	Loose connection near the power switch or battery pack.	Check connections, tighten loose connections
	Battery is completely discharged.	Charge battery
Scooter turns ON and has battery charge but doesn't work	Motor wire is loose or disconnected	Check connections near the motor, tighten loose connections
	Throttle is defective	Replace throttle
	Controller is defective	Replace controller
Noise coming from motor	Defective or damaged motor	Replace motor
Scooter doesn't decelerate when throttle released	Throttle is defective	Replace throttle
	Controller is defective	Replace controller
Scooter slowing down	Low battery	Charge battery
	Defective battery	Replace battery
	Defective throttle	Replace throttle
Trip distance per charge reduced	Low tire pressure	Adjust tire pressure (20-25PSI)
	Low battery	Charge battery
	Defective battery	Replace battery
	Over weight limit	Reduce scooter load
	Driving conditions (headwind, slopes)	Avoid these conditions for best performance

Troubleshooting continued...

Issue	Possible Cause	Solution
Battery not charging	Defective wall socket	Check power or use a different outlet
	Loose external connection	Check that charger is securely plugged into wall socket and charging socket on the scooter
	Loose internal connection	Check connections near the battery and charging socket, tighten loose connections
	Defective charger	Replace charger
	Defective battery	Replace battery

The tips above are meant as a basic guide. Do not attempt to repair the scooter without proper knowledge and skill. Please contact our technical support for help with any scooter issues and possible solutions or seek the expertise of a local technician experienced in scooter repair.

Warranty

The limited warranty as contained herein is exclusive and in lieu of all other warranties expressed or implied. There are no warranties that extend beyond the description in this limited warranty.

GIO Electric guarantees this product, including charger, motor, controller, to be free of manufacturing defects for a period of 12 months. All warranty periods commence from the date of shipment.

This limited warranty does not cover normal wear and tear items/parts. (tires, brake pads, cables, etc) It does not cover the product issues due to misuse, neglect, or accident. Nor any damage, failure, or loss caused by improper assembly, set up, storage, maintenance, or improper servicing.

For any request regarding warranty, spare parts or replacement devices do not hesitate to contact us by phone or e-mail. Have your order number ready before contacting us.

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