



gio



Supra

LSM ELECTRIC SCOOTER

GIO Electric eScooter Owners Manual - EN

www.gioescooters.com



PLEASE INSPECT YOUR GIO ELECTRIC SUPRA LSM E-SCOOTER UPON ARRIVAL AND REPORT ANY DAMAGES THAT MAY HAVE OCCURRED DURING SHIPPING TO YOUR GIO DEALER OR GIO ELECTRIC DIRECTLY IF PURCHASED DIRECTLY



Before operating, please read this entire manual carefully and familiarize yourself with GIO Electric scooter, it's components and how they function

1. Please ensure your LSM (low-speed motorcycle) is properly registered/licensed and observe all local traffic laws. Remember: ignorance of the law is no excuse.
2. Always wear an approved helmet and other protective gear. Do not ride under the influence of drugs or alcohol.
3. Check often for proper function of components and for loose fasteners, especially the wheel nuts, handlebars and saddle fasteners.
4. Twist the right side handle grip to go, release throttle and squeeze both front and rear brake levers to stop.
5. Please check both front and rear brakes before operating and adjust if necessary. Always allow distance for braking especially in wet, slippery conditions
6. Avoid disassembling the bike or wiring without proper knowledge, as this may damage the bike or void your warranty.
7. Please be responsible and dispose of all old batteries through a local battery recycler.
8. Illustrations/images in this manual may differ from the final product.
9. If you have any concerns or questions in regards to you e-Scooter please contact the GIO Dealer from which your purchased or GIO Electric Customer Service

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Safe Operation Guide

Always ride in proper accordance with local laws and regulations. Being classified as a low speed motorcycle or LSM, ensure the vehicle is properly registered and rider properly licensed. Always obey local traffic laws.

Do not lend to, or let anyone not properly trained and licensed operate this scooter.

This scooter is not a toy, please keep children away from the scooter, its battery charger and charging ports.

Never operate your GIO electric scooter without wearing an approved helmet that fits properly.

Always be alert to your surroundings. Do not ride while using headphones/cell phones as they mask traffic sounds and emergency vehicle sirens, and cause distracted driving which can lead to accidents.

Never consume drugs or alcohol before or while operating your GIO electric scooter, they can impair your judgment and reaction time.

Take extra care when driving at night and use the headlight.

Before riding your GIO electric scooter, check throttle control and brakes for proper operation. Do not ride the scooter if both are not fully functional.

Always inspect your GIO scooter before each use to make sure it is in safe operating condition. Check for loose screws, nuts, bolts, parts, brakes, drive chain, etc.

Always keep both hands on the handlebars and both feet on the footrest while in motion. Never stand on a scooter whether moving or not. Do not hang items on the handlebars

Do not turn at excessive speeds or make sudden or sharp turns.

Safe Operation Guide Cont.

Allow for extra braking room in slippery conditions, ice, snow, rain, etc.

Always follow the inspection and maintenance procedures described in this manual.

Always maintain proper tire pressure as described in this manual. Type of tire and inflation can affect scooter handling.

Avoid operating in heavy rain or through water deeper than the ground clearance. Keep switches and throttle dry.

Do not operate near flammable liquids or materials.

Never attempt to repair when power is ON.

Follow all charging and battery safety guidelines, avoid charging within living areas.

Do not park or store the scooter in hallways, stairways or doorways where it may impede exit in the event of an emergency.

To avoid accidental damage to the scooter or people around it ensure kickstands are properly set and that the scooter isn't in a position where it may fall.



Do Not Make Any Alterations Or Modifications To This Gio E-Scooter Or Add Any Parts Not Authorized By Gio Except Those Discussed In This Manual Or Those Required By Law. Do Not Remove Any Reflectors, Lights Or Other Standard Equipment. Failure To Follow These Operation Instructions Can Result In Serious Injury Or Death Or Could Result In An Electrical Short And Or Fire.

Gio Electric Is Not Responsible For The Consequences Of Failure To Comply With State And Local Regulations Relating To The Use Of This Electric Scooter!

Scooter Diagrams



- | | |
|---|---|
| a Mirrors | f Front wheel, fender, brakes |
| b Throttle, right brake lever,
front R signal light, control switches
(speed setting, lights) | g VIN number cover plate |
| c LCD Display, left brake lever,
front L signal light, control switches
(headlight intensity, turn signals, horn) | h Footrest |
| d Ignition, bag hook, cupholder,
usb power port | i Charge port |
| e LED headlight | j Seat, battery & controller (internal) |
| | k Rear light, turn signals |
| | l Plate mount, plate light |
| | m Rear wheel, fender, brakes, motor |
| | n Foot pegs, kickstands (side & center) |

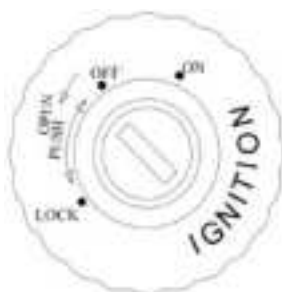
LCD Display Screen



- | | |
|--------------------------|---|
| a Turn signal indicator | g Odometer (displays total distance for 5s
then switches to current trip distance) |
| b Headlight indicator | h Motor temperature |
| c System ready indicator | i Air temperature |
| d Dry braking distance | j Speed setting |
| e Speedometer | k Battery gauge |
| f Roll to stop distance | |

Scooter Operation

Powering your Scooter On/Off



Your Supra features a keyed ignition and remote fob. Insert the key into the ignition located on the steering column and turn it clockwise to "ON". The LCD display will activate, indicating that the scooter is on. Always turn the key to the OFF position to power down the scooter when not in use to prevent excess battery drain, theft or unauthorized use leading to accidents. Do not remove the key while the scooter is in motion, this will result in loss of power and possible loss of control.

Your ignition switch also operated the latch to the battery compartment located under the seat. To access it, turn the key counterclockwise past the off position to release the seat latch. Ensure that the seat is securely latched back into position before riding.

The scooter can also be turned on/off and has its anti-theft system controlled remotely with the included fobs. Each button functions as follows:



Arm

Press once to arm the anti-theft system. Alarm will chirp indicating it is armed, motor is disabled, alarm triggered if the scooter is moved. Press again, while the alarm is armed, to trigger a continuous siren.



Disarm

Press once to disarm the anti-theft system. Alarm will chirp twice indicating it is disarmed. Pressing once also powers the scooter off.



Start

Double press to turn the scooter on. Horn will sound once.



/ X

Siren

Press to remotely sound the horn. Press while the anti-theft siren is active to mute the siren.

Accelerating



Please note, your scooter comes equipped with a pair of additional safety features to prevent accidental acceleration. Refer to the information below to achieve proper function.

Acceleration for your scooter is controlled by the twist grip throttle on the right handlebar. Rotate throttle towards you to accelerate and release to slow down.

The throttle includes 2 additional safety cut offs to prevent unintentional acceleration. At startup, once the LCD screen indicates “READY” the **brakes must be squeezed and released once** to engage throttle operation. This feature is to prevent children or anyone not trained in the scooter’s use from operating the throttle. The throttle will also not engage if the scooter currently has its main center kickstand extended. Please properly release and stow said kickstand in order to engage the throttle.

Your scooter has 2 overall operating speeds, set the speed with the 2 position switch next to the throttle. For better control ease into throttle and avoid sharp twists. It’s more efficient if you add power gradually when accelerating and coast as far as possible before braking.



Always keep hands on the brake levers in order to control your speed.


Braking

Brakes are applied by squeezing the levers that are located on both sides of the handlebars. The right brake lever controls front brakes and the left lever controls the rear brakes. It is recommended to release the throttle and use both brakes simultaneously. To avoid tipping, refrain from applying the front brake only. Please take extra care to balance between the brakes in slippery or wet conditions.

Brake cut out switches integrated into both brake levers will shut off the power to the motor whenever either front or rear brakes are applied. In the event your scooter does not start or accelerate, ensure brakes are not being applied.

Lights and turn signals

The lights on the vehicle are operated using switches on either side of the handlebars. The right handlebar features a 3 position switch for overall lights operations.

-  - All lights including headlight ON
- >DQ< - Signal & Brake lights only
- - All lights OFF


The turn signals are operated with the 3 position switch located on the left hand side of the handle bars. Push the switch in the desired direction to activate the signal and back to the center position.

The strength of the headlight (low beam or high beam) is controlled by a switch located just above the turn signal controls. Please note that the right side switch for lights must be in the “all lights on” position for the headlight to illuminate.

Horn

Press the red button label with “” to activate the scooter's horn.

Steering Lock

Your Supra features a steering lock to make it more difficult for thieves to steal/operate. Turn the handlebars all the way to the left. Then with the key inserted in the ignition, push the key inwards and turn clockwise to the locked  position. If the steering lock doesn't engage, wiggle the handlebars slightly left and right until it does. Remove the key.

Kickstands

The Supra includes a pair of kickstands, a main center kickstand which raises the rear wheel slightly off the ground and a small side kickstand. To use the side kickstand, push the kickstand down, with your foot into the extended position and rest the scooter on the kickstand. When not needed, straighten the scooter and push the kickstand back into position. Avoid using the side kickstand on sloped or soft surfaces.

To use the main center kickstand, grip the handlebars for stability and firmly press down on the bracket attached to the kickstand. Guide the scooter up onto the kickstand while pushing it down, into the completely extended position. To release the kickstand gently push the scooter forward to guide it off the kickstand until it's spring returns it to the stored position.

Always ensure that kickstands are in the fully stowed position before accelerating.

Charging



Please carefully read and understand all battery and charger care details and safety information (pg11) prior to your first charge cycle. To avoid electrocution do not touch powered electrical contacts with hands or other objects.

Your Supra ships with minimal battery charge and must be charged prior to first use.

To charge your scooter, first ensure the main breaker (under seat) is in the ON position, your scooter will not charge with the breaker turned off. With the ignition key switched to off, plug the output plug from the charger into the charging socket on the scooter below the seat. Once connected to the scooter, plug the charger into a standard wall socket. The light on the charger should turn red which indicates that it is charging and then turn green when the battery is fully charged. Remove the charger from the wall outlet first and then from the scooter/battery as soon as charging is complete.

Ensure to charge your scooter in an environment between 0-35 °C, for best results charge your battery before it is completely depleted. Connected batteries will also slowly discharge even when not in use. Unless the riding distance was very short, it is generally advisable to fully recharge the battery after each ride. The charging time for the scooter's batteries is 6-8 hours, do not charge for longer than 12 hours. If charging does not finish after 12 hours, it is likely a problem has developed, unplug the charger and contact your dealer or GIO Customer Service. You should never recharge your batteries unattended. Keep away from children while actively charging. If at any time you notice your batteries getting hot to the touch or if they emit any odor, or immediately stop the charging process and contact your dealer or GIO Electric Customer Service.

Your Supra comes complete with charger, do not use a charger not designed for your specific scooter model. It is normal for the charger to get warm or emit a faint sound while in use. Ensure your charger is situated on a stable flat surface to prevent any damage from falling. Never put anything on top of the charger when charging, always be sure it is located somewhere well ventilated, unobstructed and kept dry at all times. If your charger shows signs of visible damage or malfunctions, discontinue use and contact your dealer or GIO Electric Customer Service To avoid damaging or shortening the life of the charger itself, always unplug from the wall socket when not actively charging.

Electrical System Operation

Your scooter is protected with a central circuit breaker located between the batteries and controller. In the event that the current exceeds the rated value of the protector the scooter will automatically shut off to avoid burning out the motor or other components. Possible causes include excess weight capacity, driving up slopes greater than recommended, rough road conditions or riding against a strong headwind. If this shutdown occurs, allow several minutes for the unit to rest, reset the ignition and avoid the conditions that caused the shutdown. Always set the main break to off when performing any repairs or maintenance.

Maintenance and Care

The frequency of maintenance and cleaning depends on how much you ride and under which conditions. Recreational riders should need far less maintenance than daily commuters. The harder you ride or harsher your riding conditions, the more you have to take care of your scooter if you want it to last. There are various time intervals for proper maintenance. Quick checks and maintenance should be done before & after every ride. More in depth maintenance steps should be taken every couple of months or as issues are identified.

Continues next page...

Pre-ride Checklist

- ☐ Ensure horn, turn signals and headlight are in working condition
- ☐ Ensure brakes are in proper working order and can be easily and comfortably engaged when the levers are squeezed. Check fluid levels.
- ☐ Ensure kickstands are in working order
- ☐ Ensure all screws, nuts, bolts and parts are securely fastened and adjusted.
- ☐ Make sure the tires are not excessively worn, do not have tears or cuts, are properly seated on the rim and correctly inflated
- ☐ Make sure the wheels spin straight and that the rims are not bent or damaged
- ☐ Ensure you are wearing a well fitted helmet of the correct rating.
- ☐ Ensure battery is fully charged

Cleaning

Cleaning is the number one thing you can do in order to ensure your GIO will serve you for a long time. In the long run, it will save you money and a lot of time waiting for the scooter to be repaired. Ideally, you should clean your GIO after each ride. But it really depends on your riding style and on how much you ride. A good rule of thumb is that if you ride more than 2 or 3 times a week, clean your scooter weekly.

Ensure all caps covering electrical connectors are securely in place and the seat is completely latched prior to cleaning. Always clean the scooter with care, the electrical components don't take kindly to increased pressure water streams. A strong enough water stream could breach the waterproof seals of the electrical components and even force water into them and cause premature failure. Therefore, don't use aggressive water sprays or power jets when washing the scooter and keep water away from the battery/motor/brain module and other electrical components as possible.

Clean gently with a neutral soap and sponge or soft cloth removing any dirt, debris, sand, mud, and grit that got caught on the scooter. Ensure the scooter is dry, after cleaning or after getting wet riding in wet conditions. Always make sure the outer casings of electric parts are dry and do not attempt to open them to clean inside. You will, most likely, not be able to properly reseal the components which will lead to further exposure to water.

Brakes



If your brakes are not working properly, discontinue scooter use and contact your GIO dealer or GIO customer service.

The Supra is equipped with front and rear hydraulic disc brakes which require little user maintenance. Insufficient brake fluid may allow air to enter the brake system, possibly causing it to become ineffective. If the brake fluid level is low, be sure to check the brake pads for wear and the brake system for leakage. A soft or spongy feeling in the brake lever can indicate the presence of air in the hydraulic system. If there is air in the hydraulic system, it will need to be properly bled. Air in the hydraulic system will diminish the braking performance, which may result in loss of control and an accident.

Lubrication

After cleaning, it is also advisable to lubricate moving components. (Do not lubricate brake pads, wheels and tires.) A clean, lubricated scooter will tend to be faster, smoother and quieter. A lubricant should be applied on all moving and/or rubbing components such as: brake lever pivots, axles, bushings, free wheels etc. approximately every 6 months. (Lubricate more often under heavy or bad weather use.)

Apply the lubricant to the different parts and let it sit a few minutes and then wipe off the excess lubricant with a rag. After a while, clean the different parts with a degreaser to remove any excess dirt that has been collected on them and then relubricate.

Motor & Controller

The electric scooter motor is usually a permanent magnet (brushless) motor which features high output torque and efficiency. Maintenance is not normally required and should only be performed by a qualified technician.

Check and ensure all motor mounting hardware is secure on a regular basis. If any are found to be loose, tighten them to avoid motor damage when riding.

Ensure the controller is properly fastened, and tighten if necessary. When accelerating gradually ease the throttle to avoid jumps in current between motor, controller and battery. This will help to aid in the longest possible lifespan of your scooter.

Tires

Make sure that the air pressure for all tires is between **XX** PSI. If the tires have less than the recommended amount of pressure, it may result in a decrease in battery usage time, poor handling, and damage to the tires and rims.

In the event tires or wheels need to be completely replaced, the front wheel and tire have a replacement process similar to most bikes, scooters or motorcycles. Since the rear wheel involves the hub and electric circuit, please pay attention to the wiring when disassembling. Ensure axle nuts are correctly tightened.

Battery

Battery life varies based on environment, usage and maintenance. They do not require fluid checks or additional fluids to maintain. To maximize battery lifetime and prevent premature diminishment, operate at medium speeds with gentle acceleration, store at 50% to 100% charge capacity, and **recharge the battery every 4-6 weeks**. Failure to recharge regularly can result in premature end of life of your battery, and you will need to replace it. Do not mix old and new or different brands or types of batteries.

The recommended temperature for the battery is between 0 and 35°C. Battery capacity is based on the ambient temperature of 25°C, the battery capacity will decrease below 15° by 20-30%. Temperatures below -10°C may result in permanent damage to the battery. Keep the battery away from fire, heat, direct sunlight and caustic substances. Do not break or damage the battery. The battery acid contained inside is highly corrosive, flammable and may cause severe injuries or explosion. If this should occur, rinse with plenty of water and call emergency services immediately.

Your Supra, its batteries and charger are specifically designed for each other, and are not interchangeable with other models of scooters. There are many chargers in the market that look similar, use of any other chargers may result in serious damage to all components. The polarity, as well as the input and output voltages of the charger supplied with your scooter is of the correct rating and type for your scooter. This information should be located on a label on the bottom of the charger.

Regularly inspect your batteries, charger, charging port for any signs of damage, leaking, dirt, corrosion, smoke, odor, etc. In the event of any abnormalities upon inspection or during use, stop using the scooter and contact your dealer or GIO Electric Customer Service for more information. All batteries are sealed and SHOULD NOT be taken apart without proper knowledge. Battery acid is poisonous and dangerous, it contains sulfuric acid and leads to dangerous burns. Avoid skin, eye and clothing contact. Protect your eyes always when working near the battery. Upon contact with the battery acid, immediately perform FIRST AID. or skin/eye contact rinse the affected areas with plenty of water. When accidentally swallowed battery acid drink large amounts of water. In both cases, seek immediate medical attention.



Always dispose of old batteries through an approved battery recycler, and keep children and pets away from batteries.

Storage

When storing your scooter for extended periods such as during winter, we suggest switching your breaker to the off position and storing inside a temperature and humidity controlled space. If removing and storing batteries, do not store batteries in a sealed container.

Recharge your batteries fully prior to putting them in storage for any period of time and then recharge them once every **4-6 weeks** when they're not in use. Recharging your scooter batteries on a monthly basis should take no longer than a few hours (until the charger light turns green). Always use the specific charger for your scooter. Never store or recharge your batteries in an area where the batteries are exposed to high heat sources.

NOTE: You should never recharge your batteries unattended. If at any time you notice your batteries getting hot to the touch or if they emit any odor, immediately stop the charging process and contact customer service.

Specifications

Rated Motor Power	1200w 6X Liquid Cooled Rear Hub Motor	Top Speed	45 km/hr
		Range	Up to 75 km
Battery	72V20AH Sealed Lead Acid Battery	Brakes Front/Rear	Hydraulic Disc
		Suspension	Hydraulic Front / Rear
Controller	72V35A	Lighting	LED
Battery	60V20AH Sealed Lead Acid Battery	Measurements	177 x 72 x 107cm
		Wheelbase	130cm

Troubleshooting

Issue	Possible Cause	Solution
No power / no lights	Ignition Key "OFF"	Turn to "ON"
	Fob not working	Replace battery, check range
	Breaker in OFF position	Ensure breaker on
	Battery not connected	Ensure battery properly connected
	Battery needs charging	Charge battery
	Loose or damaged wiring	Check connections between ignition, battery etc.
Power ON but scooter doesn't move	Scooter not finished startup	Wait for READY icon to show
	Startup safety on	Squeeze and release brakes once
	Brakes safety switch is engaged	Check that brake levers are released/not applied.
	Center kickstand extended	Stow kickstand
	Throttle connection	Check throttle wires for proper connection
	Battery not connected properly	Check and connect both battery packs, fuse, etc.
	Battery low	Charge battery
	Wires to controller loose	Check and reconnect wires

VIN

Please write down the VIN (vehicle identification number) for registration, application for insurance or in the event the vehicle should be stolen. The number is stamped into the frame, located behind the cover plate on the steering column just above the foot rest.



Warranty

When purchased from a GIO Dealer:

Please refer to the warranty details provided by your GIO Dealer. In the event of shipping damages or warranty issues please contact them directly.

When purchased from GIO Electric directly:

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 covers the replacement of defective parts, it does not include their installation or costs related to doing so. It does not cover normal wear and tear items/parts (tires, brake pads, cables, etc). It does not cover 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.

In the event of shipping damages or warranty issues please contact us directly.

Technical Support and Parts

Having a technical issue or need to order spare parts? Do not hesitate to contact us by phone or email. Have your order number ready before contacting us.

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