



Rogue Series

Owner's Manual



2022 Edition

For:

Rogue 2000 Gen 3.5

Rogue 1600 Gen 3

Rogue 1200 Gen 1



Thanks for Choosing Voltrium

We are committed to bring you desirable & environmentally friendly Micro Transport.

Developed in Melbourne Australia, each vehicle is designed and tinkered on by a team of talented, passionate engineers and technicians who's mission is to put a smile on your face.

Because to us it is more than just a scooter.

-The Voltrium Team.





Important! **Always wear a helmet & obey all laws!**

Variants of the Rogue series scooters conform to the Australian Personal Mobility Device (PMD) vehicle category in some states of Australia.

Please check with your local state & territory's road rules before riding in public.

To minimise risk, riders should wear safety equipment such as:

- Full Face Motorcycle Helmet
- Full Face Bicycle Helmet
- Cycling Goggles
- Cycling Gloves
- Elbow pads
- Knee Pads
- Closed Footwear

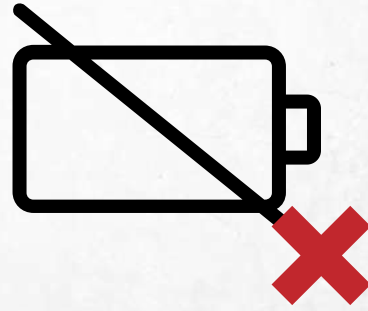
The rider assumes ALL risks associated with operating this scooter.

The recommended rider age is 14+

Precautions



Do Not Hose down or pressure wash. Use a towel with soapy water to clean.



Do not allow the battery to fall into a state of deep discharge



Do not jump the scooter.



Do not ride with more than 1 person onboard



Do not overload the scooter.



Periodically maintain the scooter and check for proper operation before riding.



Use Genuine replacement parts & Accessories. Damage & Improper performance of the scooter may occur otherwise

Package Contents

1x Rogue Series Scooter

1 x Charger

1 x Tool Kit

1 x Spare Fuse

1 x Seat

1 x Seatpost & Clamp

Accessories (Optional)



Assembly

Carefully remove the scooter from the box



Unfold the scooter by pressing down on the Folding lever with one hand while gently pulling up on the steering column with the other.

Fully Extend the Steering column to the upright position, until you feel the mechanism lock into place.



Affix handlebars, by sliding the assembly onto the steering column. The correct orientation is with the throttle on the right hand side.

Ensure the alignment of the handlebar assembly is true with the front wheels of the scooter.



Tighten the bolts on the handlebar assembly clamp.

It is recommended that you use high quality workshop grade tools to complete the assembly.



Insert Seat Post into the seat stem by sliding the post downwards.

Place the seat onto the seat post.

Adjust the rake of the seat to the desired level while the nuts on the underside of the seat are loose.



Tighten the nuts of the seat on the left and right hand side evenly to secure it's position to the seat post.

Assembly



Affix Headlight to the steering column at your desired height.

Split the circular clamp, position the light assembly, recombine the circular clamp and tighten the two Allen bolts to secure the light.

Plug the headlight connector(s) into the wiring harness of the scooter.



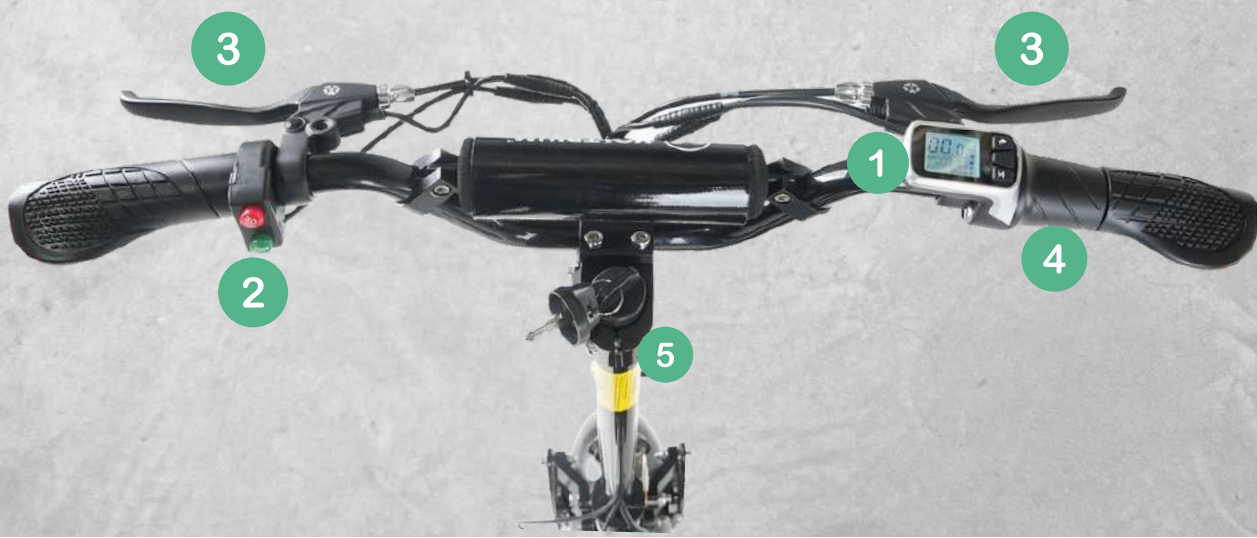
Place the scooter on charge until the battery is topped up.

The battery should be approximately half charged out of the box.

The charging process should take between 2 - 4 hours

Controls Layout

1. Multifunction Display (MFD)
2. Headlight & Horn Switch
3. Brake Levers
4. Throttle
5. Ignition Key



Charging



The charging process takes between 2 - 4 hours.



When the scooter's battery meter is flashing on 0 bars, recharge immediately



- The charge port is located on the front right hand side of the battery box. Ensure the cap is closed when not charging to prevent water ingress.
- Insert the Round, three pronged connector into the charge port, then insert the AC plug into a power socket. Switch power on to charge.
- LED1 and LED2 will be red when scooter is charging.
- LED2 will turn green and cooling fan will stop once scooter is fully charged.



Ensure charge port is dry before inserting charger.



In extreme temperature conditions, the battery may not charge.



Avoid charging under direct sunlight



Let the scooter cool down for at least 10 minutes after riding before charging.




Ensure cooling fan on charger is operating at all times during charging.

Riding

Pre - Ride Checks

1. Check Tyre Pressures (50PSI)
2. Ensure all bolts and screws are tight
3. Ensure Chain drive system is properly lubricated, adjusted and clean.

Starting up the scooter

1. Turn the ignition key clockwise by 1 "Click"
2. Press and hold  on the Multi - Function Display (MFD)
3. Once the MFD is powered on, the scooter is ready to go



Do not apply throttle when dismounted.



It is best practice to switch the scooter off when parked and not in use.

Headlights

1. Press the green headlight button to turn on

Rogue 1200 & Rogue 2000

The headlight(s) have 3 modes that can be cycled through by switching the light on and off:

Mode 1: High Beam - Full Brightness
Mode 2: Low Beam - Half Brightness
Mode 3: Strobe - Flashing

Rogue 1600

The headlight has a single operation mode.

Horn

1. Press red horn button to activate

Ride Modes

Eco Mode

- Limits top speed of scooter to 25km/h (Can be adjusted in P-settings)
- Reduces performance of scooter

High Mode

- Unrestricted performance.

The ride modes are changed on the MFD by pressing the "M" Button


MFD Unit



Press the "M" button to toggle between ECO and HIGH mode.

Riding

Information Displays

The MFD unit outputs information that can be cycled through by pressing 

| Odometer | Trip Meter | Live Battery Voltage |
|------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------------------------|
| Displays overall mileage of scooter. | Displays distance travelled since powering on the scooter. | Displays instantaneous reading of battery voltage. |
| Throttle Duty Cycle | Error Code Readout | |
| Displays the requested throttle level as a number between 0-1000 | Displays any errors as E-xxx. where xxx is a number. For example - E-001 | |



Instrumentation



Brake Override with e-ABS

The Rogue series scooters are equipped with brake override switches that completely disable any throttle inputs when either the front or rear brakes are applied.

e-ABS stabilises the scooter under hard braking by utilising regeneration to balance out the overall braking force when only one brake is applied.

Riding

Performance Settings (P-Settings)

The rider can adjust the performance characteristics of the scooter via the MFD by entering the scooter's P-Settings programming mode.

1. Entering programming mode

Simultaneously press and hold "M" & ↶

2. Cycling through the programmes

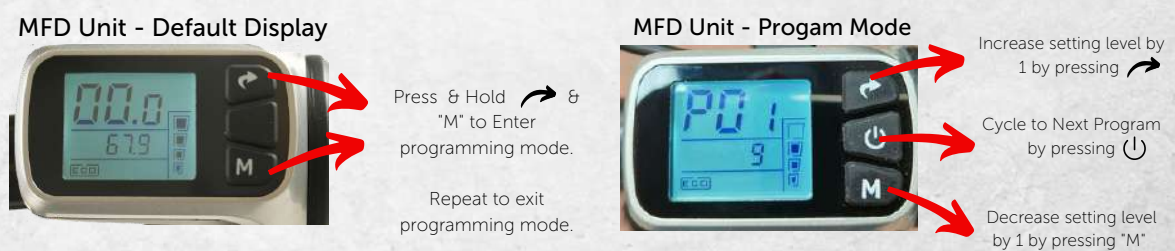
Press ⏻ to cycle through the programmes, one at a time.

3. Adjusting the setting level of the programme

Press to ↶ increment setting level by 1 and "M" to decrement setting level by 1

4. Exit & Return to Normal Display

Simultaneously press and hold "M" & ↶ again



P - Setting Functions

Only several programmes should be adjusted. Consult the list below:

P10 - Adjusts the limited speed in ECO MODE. (025 = 25Km/h Default)

P12 - Adjusts take off sensitivity (0 = Aggressive, 2 = Soft)

P13 - Adjusts throttle sensitivity at low speeds (0 = Aggressive, 24 = Soft)

P14 - Adjusts overall throttle sensitivity (0 = Soft, 5 = Aggressive)



P settings not listed on this manual are for workshop use only. Adjusting P settings beyond the list can cause improper performance of the scooter.

Riding

Folding

The Rogue Series folds and the steering column locks into place for ease of carrying.

1. Remove & Stow Seat

- Remove the seat locking pin from the socket in the seat stem.
- Remove seat by lifting the seat post upwards



2. Remove Safety Pin

- Pull the safety pin out of the socket on the gooseneck



3. Pull Folding Lever

- Pull firmly backwards.
- Watch your head as the steering column will begin to fold down.

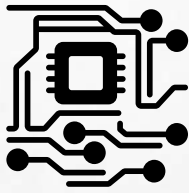


4. Lower Steering Column

- Fully lower the steering column until it locks into place in the folded position
- Re insert the safety pin into the gooseneck
- Re insert the seat locking pin into the seat stem.



Maintenance



Electronics
Maintenance Free



Chain & Sprockets
Replace every 1500 - 2000km

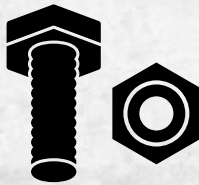
Clean & Lubricate with Spray
degreaser and quality
motorcycle grade Chain lube
as needed.

Tighten chain at 100km and
then every 750km after (or as
required).



Brakes
Adjust Calipers as
necessary.

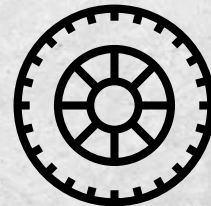
Replace Pads when
running low.



Nuts and Bolts
Tighten every 1500km
(or as required)



Cosmetics
Clean and remove dirt
as necessary. DO NOT
hose the scooter down.



Wheels & Tyres
Maintain at 50PSI



Do not carry out electronic repairs without guidance from Voltrium.



Use genuine parts for repairs and maintenance.



It is recommended that repairs and maintenance be carried out by a professional, experienced technician

Voltrium Warranty

What is covered by this warranty?

Voltrium covers the Voltrium branded scooters, accessories against defects arising from manufacturing and materials and when the products are using in accordance with our guidelines. The cover begins from the date of the original retail purchase by the end - user purchaser.

Warranty Periods

Scooter (Excluding Battery)

1 Year

Battery Packs

2 Years

What is not covered by this warranty?

This warranty does not apply to:

- (a) Consumable parts including but not limited to tyres, brake pads, chains and sprockets that are diminish over time from operation, unless the failure has occurred due to a defect in materials or workmanship
- (b) Cosmetic damage, including but not limited to scratches and dents unless failure has occurred due to a defect in materials or workmanship.
- (c) Damage caused by use with a non genuine component or product.
- (d) Damage caused by accidents, abuse, misuse, fire, liquid contact, natural disasters or other external causes.
- (e) Damage caused by operating the vehicle outside of specified guidelines.
- (f) Damage caused by DIY (Do it Yourself) modifications or repairs.
- (g) To a Voltrium product that has been modified to alter functionality or capability without written permission of Voltrium
- (h) To defects caused by normal wear & tear or otherwise due to normal aging of the Voltrium product
- (i) Products that have been obtained by theft or other illegal means or if there is no method of proving ownership of the product.

Support & Information

Contact Information

Voltrium Tech Pty Ltd
71B Sarton Rd Clayton, Vic 3168
(03) 9056 9063

Extension 1 for Spare Parts
Extension 2 for Technical Support

Technical Support email: support@voltrium.com.au

Website: www.voltrium.com.au



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