



USER MANUAL

ROVER ELECTRIC SCOOTER



The more you know about
scooters, the
more confident you'll
feel when riding them.

Thank you for choosing BACKFIRE ROVER Electric Scooter !

CONTACT INFORMATION

WEBSITE: www.backfireboards.com

Help Center:

support@helloskate.com

adi@helloskate.com

The mission of BACKFIRE is to offer our riders a perfect riding experience for their daily commute. BACKFIRE ROVER is a portable and trendy mobility vehicle designed specifically for commuting.

To make sure you enjoy your ride as much as possible, please read this user manual carefully and always follow the instructions when operating. We also recommend keeping this manual for future reference.

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ROVER

BACKFIRE

PRODUCT OVERVIEW



WARNING!

Improper assembly of your BACKFIRE scooter can cause component or performance failure resulting in loss of control, serious injury, or death. In the event of a malfunction or any damage to any of the components during set up of your scooter, please discontinue set up immediately, do not ride the scooter, and contact our support team. If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual and the assembly video, consult our support team or a local electric scooter shop.

Intro

Setting up your scooter right is the single most important step to your safety. Please note that this process is also available in video format through our Servicing & Support Center. We recommend having the following items ready prior to starting the setup process:

- Box cutters or knife
- Stool or bench
- Air pump
- Someone to help

Unbox your scooter

Open the box using the box cutter and fold open the top. Inside you should see protective styrofoam along with the following contents:

- BACKFIRE electric scooter
- Manual
- Charger and cable
- Hex key
- Screw Kit

If any of these items are missing, please contact us immediately.

With the help of someone, remove the scooter from the box and place it on a flat surface. We recommend using a stool or bench as the wheels need to be able to spin freely. Carefully remove the protective material from the scooter and set it aside. We require you to keep both the styrofoam and the box in case you need to ship your scooter back to us. Otherwise recycle the materials wherever possible.

⚠ WARNING!

Always follow the below instructions when unfolding your scooter and prior to each ride. Failure to ensure the safety button of the folding mechanism is clipped into the scooter stem and to ensure the stem is fully secured before your ride may lead to the stem coming undone during your ride, which can result in loss of control, serious injuries and death. Do not operate the scooter if you notice anything wrong with the scooter stem, the safety button, or the locking mechanism.

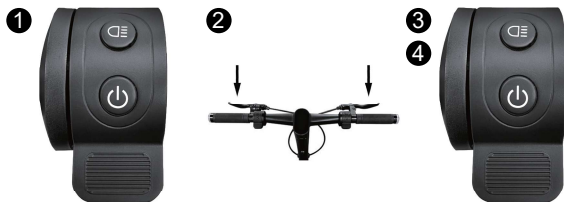
**Unfolding**

- 1 The first step is to unfold your BACKFIRE ROVER. To do so, ensure the hook is not clipped into the rear foot rest. If it is, push down on the stem and unhook it from the rear foot rest.
- 2 Unfold the stem by pulling it to a vertical position. Ensure you do so until the stem is completely vertical.
- 3 Locate the folding latch and bring it up, locking the stem. The latch will require some force to lock fully upright.
- 4 Lastly, make sure the safety button of the folding mechanism is clipped in the stem. This safety mechanism prevents the latch from unlocking due to vibration or shock.

Attach handlebar

- 1 Connect the male connection cable coming out of the handlebar into the female cable coming out of the front stem. Make sure the pins are aligned.
- 2 Make sure the male port and the female port are aligned properly. Insert the handlebar at the top of the front stem and tighten into place with the four hex screws provided.
- 3 Caution: Be careful not to damage the cable when connecting the handlebar to the front stem.
- 4 You will find that the latches and buttons on your handlebar are not tight. We deliver this way to avoid damage during shipping. Before tightening the screws, adjust the left button panel. Twist it upward or downward until it reaches a comfortable angle, keep in mind that once on a scooter, you will be higher up than you are while setting up your scooter. When you have found a comfortable position, go ahead and tighten the screws.
- 5 Repeat the same process for the screws on the right hand side of your handlebar.



Perform test

- 1 Locate the power button on the right side of the handlebar and press it for 3 seconds to power on the scooter. You should now be able to see the display powered on. Keep the scooter elevated on the stool or bench, as the testing will involve spinning both wheels. The scooter should be in Kick to Start mode, to begin testing the motor, spin the wheel manually and then press the throttle. The wheel should begin to spin normally. You may notice the motor emitting a noise at low speeds, this is normal.

The motor is communicating with the controller and identifying its position as well as which direction to roll in. If after performing this test the wheels are spinning normally, you can now move to step 2.

! WARNING!

If you notice one of the motors is not spinning, **DO NOT ATTEMPT TO OPERATE THE SCOOTER.** Contact us immediately via our Support Page.

- 2 Begin by testing your brakes. Press the throttle on the right side of your handlebar and notice rear wheels start to accelerate and spin the front wheel with your hand. Continue to accelerate for 5 seconds, then release the throttle and slam both brakes at the same time. The wheel should stop immediately.
- 3 Test gear change by pressing the Power Button. A short click will change the speed levels.
 - 1 click – Eco mode
 - 2 clicks – Dynamic mode – after a second click you should see a "D" on the display.
 - 3 clicks – Sport mode – another short click should display a Red "S".

To read more about the speed of each mode, refer to the Display section in this manual.

- 4 Next, to turn on the lights press the Light button. Confirm all of the lights power on: headlight and one rear tail light.

PREPARE FOR ASSEMBLY

BACKFIRE**ROVER**

Perform test

5**6**

- 5** Test your right and left signals. Start by testing your right signal by pressing the right arrow button on the left side of your handle bar. Your right signals should turn on. To turn them off, click on the button again.
- 6** Test your left indicator, press the left arrow button on the left side of the handle bar. Your indicators should turn on. To turn them off, click on the button again.

7 8

- 7** Next, grab an air pump and locate the air valve on the front tire. Remove the safety cap and attach the pump tube to the tire valve. Turn on the air pump and read the PSI measure – the ideal tire pressure for the BACKFIRE is 45PSI.
- 8** Inflate or deflate the tire as needed until the pressure is 45PSI. Repeat the step with the rear tire.

Congratulations, you have successfully set up your BACKFIRE Electric Scooter.

 WARNING!

Incorrect assembly, maintenance, or use of your BACKFIRE scooter can cause component or performance failure, loss of control, serious injury, or death. Even if you're an experienced scooter rider, you must read and understand the entire manual and any documentation provided for subcomponents or accessories before riding. In the event of a malfunction of any of the components during set up or use, please discontinue set up or use and contact our support team. If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual, consult our support team or a local electric scooter shop.

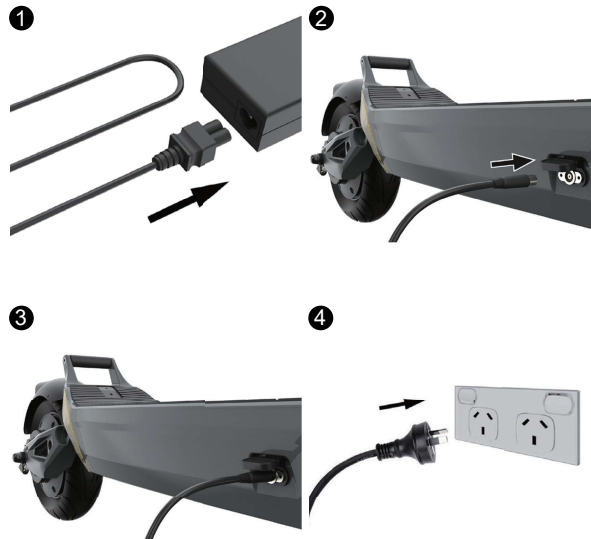
Charging

This section focuses on how to charge your scooter correctly. For information about battery health and best practices, please review the Battery Information section. The battery pack comes with a built-in battery management system.

This includes overcharging protection amongst other features, allowing your scooter to stay plugged in even after it is fully charged. Please note that this applies to short periods of overcharging, such as the scooter being plugged in overnight.

Please do not leave the scooter plugged in and charging for extended periods of time as it may result in battery damage or fire.

- ❶ First, ensure the two parts of the charger are connected securely. The wall AC plug should be connected to the charger box. The connection between the cable and box should feel firm with no wobble or play.
- ❷ Next, locate the charging port cap on your scooter and open it to find the charging port. Locate the round connector on one end of the charger, this is the end you must insert in the charging port.
- ❸ Gently insert the cable.
- ❹ Proceed to plug the AC plug on the other end of the charger into power outlet. If the battery is 100% full, the charger light will turn green. If the battery is not fully charged, the charger light will light up red.



Throttle

The BACKFIRE ROVER comes equipped with two thumb throttles, one on each side of the handlebar for ease of use. The left hand side throttle is the regenerative brake, the right hand side throttle is for acceleration. The acceleration throttle is designed to be progressive this means that a soft press on the throttle will exert proportionately little acceleration. Full pressure on the throttle will trigger maximum output and therefore peak acceleration.

WARNING!

In rain or wet weather, braking distances increase. A failure to take this into consideration in such conditions can cause component or performance failure, loss of control, serious injury, or death.

Important

We recommend you not to use the regen brake when the battery is 100% charged. This can cause an overcharged battery and result in damage to the controller or the battery. You should only start using the regen break when the battery is at 90% charge level or less.

Additionally, keep in mind that using the regen brake for long periods of time (for example a long downward hill) can generate a lot of heat and have a negative impact on the controller. We recommend using the regen brake only for short period of time.

How to brake

The BACKFIRE ROVER has two different types of brakes. The regen brake which allows you to capture energy from braking and recharge your battery, and the drum brake. The regen brake will allow you to have a smoother and more efficient stop. To use it, press on the left hand side thumb throttle.

The regen throttle is designed to be progressive – this means that a soft press on the throttle will exert proportionately little braking power. Full pressure on the throttle will trigger maximum output and therefore peak braking power.



Folding

- 1 To fold, begin by locating the safety button and press it to unlock the folding lever.
- 2 Grab the folding latch, and pull it down to fold the stem. Make sure to keep one hand on the stem at all times as it will drop down instantly after the folding latch is released.
- 3 Pull it down until you feel the latch is fully open.
- 4 Fold down the stem towards the foot stand.
- 5 Make sure it is folded all the way down before moving on to the next step.
- 6 Locate the locking hook on the inside of the from stem and take it out.
- 7 Attach the hook on the stem to the locking ring located at the end of the deck, near the foot rest and the rear wheel. Attach the hook to the locking ring.

1



2



7



3



4



5



6



Handlebar features

- 1 Display
- 2 Accelerator throttle (right-hand side of the handlebar)
- 3 Accelerator throttle- Power button-Gear change
- 4 Accelerator throttle- light signal
- 5 E-brake throttle (left side of the handlebar)
- 6 E-brake throttle- left turning signal
- 7 E-brake throttle- right turning signal

DISPLAY

The display screen, located on the handlebar, shows you the speed, the battery charge, whether the front and rear lights are on, and any failure displays.

The scooter is controlled by three buttons:

1 ON/OFF BUTTON

One click — Eco mode

Two clicks — Comfort mode - after a second click you should see a "D" on the display

Three clicks — Sport mode - another short click should display a Red "S".

2 TURN SIGNALS

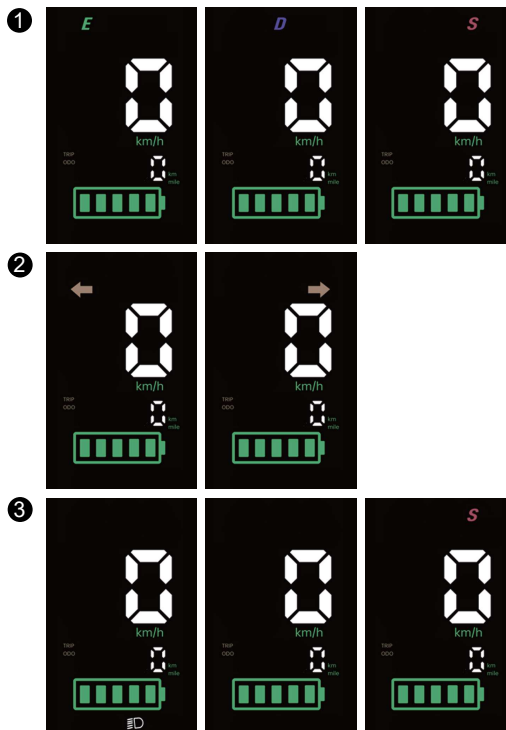
Left arrow short click — Left turning signal

Right arrow short click — Right turning signal

3 MODE BUTTON (M)

Short click — turn on/off light

2 Short clicks — Switch from Trip Mileage to ODO While riding you may notice an occasional beeping noise, indicating you are riding above the speed of the selected gear.



Charging

- Charge the scooter fully after every ride. This will prolong the battery life.
- When charging, wait for the charger light to turn green. The charging process will then be complete and all the cells will have been balanced by the battery management system.
- If not used, power on the scooter once at least once a month to check the charge level. Ideally, the charge level should be between 70% and 90%.

Storage

- The storage temperature needs to be between 10°C–25°C / 50°F–77°F
- For long term storage (such as the winter season), the ideal battery level is approximately 70% (50V). This is based on the fact that at 70% charge level, the energy inside the battery cells is the most stable..

NOTICE

When there is only one battery bar remaining, it is advisable to stop using the scooter if possible and to recharge it in order to prolong the lifespan of the battery, a deep discharge will decrease the lifespan of the battery.

Improper Storage and Charging Can Lead to Scooter Damage

- Do not leave the scooter in cold spaces (such as unheated garages or outdoor sheds).
- Do not leave the battery undercharged for 48 hours or more. This can result in battery damage which is not covered by warranty.

Do not use chargers that are not sold or approved by BACKFIRE Scooters.

- Wait 30 minutes after a ride before attempting to charge the battery.

Do not use chargers that are not sold or approved by BACKFIRE Scooters.

Keep the battery away from heat or fire, a failure to do so may result in a serious injury or death.

If there is any damage to the battery, the scooter will not turn after charge or it will not charge. DO NOT ATTEMPT TO OPERATE THE SCOOTER. Contact us immediately.



WARNING!

Incorrect assembly, maintenance, or use of your ROVER scooter can cause component or performance failure, loss of control, serious injury, or death. Even if you're an experienced scooter rider, you must read and understand the entire manual and any documentation provided for subcomponents or accessories before riding. In the event of a malfunction of any of the components during set up or use, please discontinue set up or use and contact our support team. If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual, consult our support team or a local electric scooter shop.

Road safety & legislation

You are responsible to perform due diligence, understand and follow all laws, rules and regulations, for the safe and lawful operation of your electric scooter, in the locations in which you choose to operate it. If not used properly or lawfully, electric scooters can lead to injury or death. By purchasing a BACKFIRE scooter, you assume the responsibility for its safe and lawful operation as well as the risks for any failure to safely and lawfully operate it. Any fines due to illegal or unauthorized use, including but not limited to any failures to wear protective equipment, are your responsibility. Should you have any questions or concerns, feel free to contact us.

Education

Please read the entire manual carefully. If uncertain about any section, contact us to find more information. We always recommend starting slow and getting used to the scooter before riding for longer distances.

Age

BACKFIRE Scooters are designed to be used and operated by adults and should not be used by anyone younger than 18 years of age. Should the rider have any disabilities or impairments (visual, hearing, language, seizure, etc), please consult your physician before any ride or purchase of an electric scooter.

Protective Gear

We strongly recommend wearing protective equipment any time the scooter is in use. The equipment includes, but is not limited to, helmets, knee and elbow pads, and protective armour.

 WARNING!

BACKFIRE Scooters are designed to be used and operated by adults and should not be used by anyone younger than 18 years of age. Should the rider have any disabilities or impairments (visual, hearing, language, seizure, etc), please consult your physician before any ride or purchase of an electric scooter.

You are responsible to perform due diligence, understand and follow all laws, rules and regulations, for the safe and lawful operation of your electric scooter, in the locations in which you choose to operate it.

If not used properly or lawfully, electric scooters can lead to injury or death. By purchasing an BACKFIRE scooter, you assume the responsibility for its safe and lawful operation as well as the risks for any failure to safely and lawfully operate it. Any fines due to illegal or unauthorized use, including but not limited to any failures to wear protective equipment, are your responsibility. Should you have any questions or concerns, feel free to contact us .

Please read the entire manual carefully. If you are uncertain about any section, contact us directly or visit our Servicing & Support Center to find more information. We always recommend starting slow and getting used to the scooter before riding at faster speeds and for longer distances.

- ALWAYS wear a helmet when riding.
- ALWAYS inspect your scooter before riding. Do not ride if you notice any damage to your scooter.
- ALWAYS make sure the safety button of the folding mechanism is clipped into the stem and that stem is fully secured before beginning your ride.
- ALWAYS keep both hands on the handlebar when riding.
- ALWAYS ride safely and at an appropriate speed to avoid falls and collisions.
- ALWAYS avoid contact with moving parts of the scooter, such as the motor and wheels.
- NEVER ride under the influence of any drugs, alcohol or substance that could limit or affect judgement, control or rider safety. You must always ride with a fully conscious and sober mind to ensure a safe ride.
- NEVER exceed the maximum capacity weight of the scooter.
- NEVER ride on sidewalks, motorways or highways.
- NEVER ride with more than one rider.
- NEVER ride on stairs, jump the scooter, or operate it at high speeds over bumps for risk of loss of control.
- NEVER race or perform stunts with the scooter.

Operating in Wet Conditions

WARNING

In rain, snow, ice, or other wet conditions, braking distances increase and the risk of loss of control increases. Riding in these conditions, and/or failing to take into account increased braking distances, can cause loss of control, serious injury, or death.

Riding your scooter in heavy rain or wet condition may introduce moisture in the main compartment which could damage the scooter's electronics.

WARNING

Maximum and minimum rider weight:
50~100kg

Maximum speed: 50 km/h

Disposal: Handle according to local regulations.

Protective Gear

WARNING

We strongly recommend wearing protective equipment any time the scooter is in use. In addition to always wearing a helmet, it is recommended that you also wearing other protective gear, including but not limited to, knee and elbow pads, and protective armor.

Operating in Cold Conditions

WARNING

Operating in cold conditions could cause condensation and moisture to accumulate in the main compartment which could damage the scooter's electronics.

Avoid Exposure to Water and Humidity

NOTICE

You must avoid exposing your scooter to water and humidity. BACKFIRE scooters are not waterproof and are not designed for extreme or prolonged exposure to water or humidity. Operating your scooter in rain, wet, or other extreme (ice, snow, etc.) conditions can cause component or performance failure, in addition to loss of control, serious injury, or death. Please note that any damage to the scooter due to water exposure is not covered by warranty.

⚠ WARNING!

Incorrect assembly, maintenance, or use of your BACKFIRE scooter can cause component or performance failure, loss of control, serious injury, or death.

NOTE:

This section is available in a video tutorial which can be found on our Servicing & Support Center.

Operating in Wet Conditions

We recommend doing maintenance to your scooter every 6 months to make sure all of the components are working properly. Below you can find the steps to perform a basic maintenance of your BACKFIRE ROVER.

However, if you need additional information or help, please contact our support team directly.

A tune up consists of the following steps:

- Tire pressure check
- Bearing lubrication
- Suspension lubrication
- Brake adjustment
- Screw tightening

You will need a few things to get these done, all of them can be purchased at a local hardware store. If you have difficulty locating these items, contact our support team for help:

- Electric tire pump/inflator
- Jig-a-loo lubricant (or any other lithium grease in spray format)
- Brake pads
- Blue Loctite
- Basic toolkit

These are low cost items that, if used regularly, can make your scooter last dramatically longer. In other words, they're an investment definitely worth making.

Tire pressure

Let's get started with a tire pressure check, which will allow you to see the tire pressure of your tires. The idea is to allow you to see the tire pressure of your tires. The ideal tire pressure for BACKFIRE scooters is 45PSI.

It is important to keep your tires at the correct pressure for a better riding experience and to avoid getting a flat tire.

To get started place your scooter on a bench, chair, or box, making sure that the tires are easy to access. Start with the front tire-locate the air valve and remove the safety cap.

Attach the air hose and flip the latch to tighten it. You should be able to power on your electric pump and get a read of the current tire pressure. If it's below 45PSI, start to inflate until the dial reads exactly 45.

If the pressure is higher than 45PSI, deflate the tire by pressing down on the air valve mechanism. To do so, find a small object such as a pen or key, and insert it into the air valve. You will hear the air escape. Do so until the tire feels flat, then reattach the electric pump and inflate until at 45PSI. When the tire is properly inflated, put the cap back on the air valve.

Repeat the process with the other tire.

Bearing lubrication

The next maintenance step is to lubricate the bearings. Your bearings are the connection between the rotating wheels of your scooter and the non-rotating frame that holds them stable. As you use your scooter, the friction can cause the bearing to get worn out. We prevent this from happening by lubricating them regularly.

Start by cleaning/wiping the bearings using with a clean and wet towel, you can spin the wheel at the same time which might make it easier for you to clean. After your bearings are clean, it's really important for you to add lubricant to the bearings, if you don't they will get worn very rapidly.

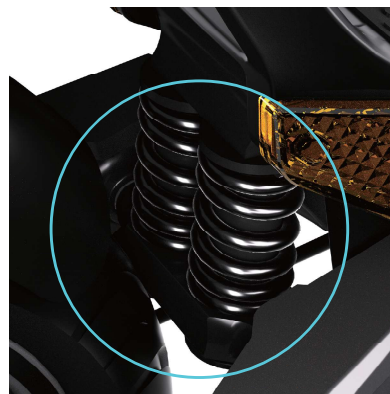
Spray the lubricant generously. Spray directly at the bearings and in the general bearing direction, since they are sealed for better protection. Spin your wheel at the same time to make sure the lubricant is dispersed effectively.

Suspension lubrication

The suspension must only be lubricated if it is making noise. The constant movement of the suspension causes friction and may result in noises or squeaking sounds.

Ensure the suspension is clean before lubricating. Spray the lubricant inside the spring and on the travel shaft of the spring located inside the coil. Then spray on the top and bottom pivot points of the suspension.

A good way to distribute the lubricant inside of the suspension spring is to jump lightly on the scooter following the application of lubricant. The up-down movement will create friction and will help distribute the lubricant throughout the suspension system.



Drum Brake Adjustment



Your brakes are an important component of your scooter. If you feel your brakes are not performing as well as they should, you might want to tighten your brakes.

- 1 The first point of control of your brakes is your brake handle. Locate the adjustment screw at the connection of the brake line to the brake handle. Turn it counterclockwise to tighten your brake. Turning it clockwise will loosen your brake. If you have reached the maximum position of the adjustment screw and the brakes are not comfortably tight, proceed to the next step.

- 2 Find the brake lever located on the left hand side of the wheel and lift it up. Then gently pull the line down to release the tension on the brake line. If the brake is too loose then you can tighten the nob.

- 3 Release the line and the lever to check the brake on the handle-bars. If you find your brakes are too tight now, then you can reverse the process and untighten the brakes a little bit. A properly adjusted brake should leave about 2 cm of space between the brake lever and the grip handle.

Screw Tightening

Use the included allen key to tighten the screws highlighted on the following graphics.

Your scooter motor creates vibrations when you ride it, which may cause the screws on your scooter to loosen over time. We recommend checking your screws every few months to make sure they remain tight. You can use a medium strength headlocker adhesive to further improve their stability.



Turn on/off the light:

Press the right  "lighting button" to turn the light on/off.

Switch gear:

A short click of the  "power button" will change gear.

Speed up:

Press the right throttle dial to speed up.

Electric brake function:

Press the left dial to slow down the motor.

The turn signal:

Click the left & right arrow button to select the direction of the turn signal.

Unit switch:

Double-click the right  "power button" to switch KM units (KM/H) and miles (MPH).

Unit switch:

Quick press the right  "power button" three times to switch odometer and trip distance.

Cruise control function:

Quick press the right  "power button" four times to turn the cruise control function on/off. The buzzer rings twice, indicating that the cruise function has been activated, and the buzzer rings one sound indicates that the cruise function has been turned off.

When the cruise control function is enabled, the scooter will enter the cruise mode when it keeps the same speed for 8 seconds. At this point, you can release the acceleration dial, and the scooter will automatically maintain that speed.

In the cruise mode, press the acceleration button again, or pinch the brake, and the cruise mode will be deactivated. If you need to enter the cruise mode again, continue to press the acceleration dial to maintain your required speed for 8 seconds to enter the cruise mode.

Zero start function:

Quick press the right  "power button" five times to turn the zero start on/off. Zero start means the scooter can be started and accelerated instantly by holding the throttle control while it stands still. Please take care of your safety when this function is turned on.

Failure displays / Error Codes

If a malfunction occurs while using your BACKFIRE ROVER , then one of the following failure display codes will appear on the screen:

E1 F1 BRAKE ERROR

F1 is reported when the power-on self-test fails.

E1 is reported when the error occurs during operation.

Error Code:

If E1/F1 is reported, the brake handle or it's connection could be faulty.

Solution 1:

Check whether the brake handle wire is connected properly.

Solution 2:

Replace brake handle to test, if the error code goes away the handle was the issue.

Solution 3:

Replace the handlebar assembly to test, if the error code goes away the display was the issue.

E2 F2 THE THROTTLE ERROR

F2 is reported when the power-on self-test fails.

E2 is reported when the error occurs during operation.

Error Code:

If E2/F2 is reported, the throttle or its connection could be faulty.

Solution 1:

Check whether the throttle wire is connected properly and the throttle isn't out of position.

Solution 2:

Replace the throttle to test, if the error code goes away the throttle was the issue.

Solution 3:

Replace the handlebar assembly to test, if the error code goes away the display was the issue.

E3 COMMUNICATION ERROR

E3 will show the error in power system running.

Solution 1:

Check if the connection between the handlebar assembly and the communication cable in the stem is good.

Solution 2:

Replace handlebars to test, If the error code goes away the handlebars were the issue.

Solution 3:

Replace the controller to test, if the error code goes away the controller was the issue.

E4 OVER CURRENT PROTECTION

If E4 error is reported continuously, it is considered to be hardware fault of controller.

Solution 1:

Check whether the brake handle wire is connected properly.

Solution 2:

Replace brake handle to test, if the error code goes away the handle was the issue.

Solution 3:

Replace the handlebar assembly to test, if the error code goes away the display was the issue.

E5 UNDER VOLTAGE PROTECTION

If E5 is reported continuously, check whether the battery voltage is too low (Below 30 Volts).

Solution:

Replace with a new battery to test, if the error goes away the battery was

E6 OVER VOLTAGE PROTECTION

If E6 is reported the battery voltage is too high.

Solution:

The battery voltage is too high, avoid sudden braking, rushing actions and it will return to normal when part of the power has been used up.

E7 MOTOR SENSOR ERROR

If E7 is reported this means that a faulty motor sensor is present.

Solution:

Replace the motor to test, if the error goes away the motor was the issue.

E8 MOTOR PHASE LOSS

If E8 is reported this means that one or more phase connectors are not properly connected or properly working.

Solution 1:

Check if the phase wires are properly connected.

Solution 2:

Replace the controller to test, if the error goes away the controller was the issue.

Solution 3:

Replace the motor to test, if the error goes away the motor was the issue.

E9 CONTROLLER ERROR

If E9 is reported continuously, this means that the controller is faulty.

Solution:

Replace the controller to test, if the error goes away the controller was the issue.

SPECIFICATIONS



ROVER

Scooter Parameters	Net Weight	29.5Kg
	Meas: Length*Width*Height	1276*230*633mm
	Max Payload	120Kg
	Rider Age	18+
	Max Speed	50Km/H
	Max Range	72Km
	Temperature	-10°C~40°C
	Storage Temperature	5-25°C
	Charging Temperature	5-25°C
Battery Pack	Battery Type	Lithium-ion Battery
	Rated Capacity	48V20AH
	Rated Energy	960Wh
	Charging Time	7h
	Nominal Voltage	48V
Motor	Rated Motor Power	500W*2
	Maximum Motor Power	1000W*2
	Rated Rotating Speed	1045RPM
Charger	Input Voltage	AC100-240V 50/60Hz
	Output Voltage	54.6V
	Output Current	3.0A
Others	Tire	10 Inch CST Tubeless Tire
	Front Brake	Front Drum Brake
	Rear Brake	Rear Drum Brake+Electronic Brake
	Handle Grip Material	PVC

FCC COMPLIANCE STATEMENT

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications to this unit not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RADIATION EXPOSURE STATEMENT

The device has been evaluated to meet general RF exposure requirement.

The device can be used in mobile(min20cm) exposure condition.

IC STATEMENT

This device complies with Canada Industry licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference; and
- (2) this device must accept any interference. Including interference that may cause undesired operation of the device.

Avis d'Industrie Canada

Le présent appareil est conforme aux CNR d'industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1) l'appareil ne doit pas produire de brouillage; et
- 2) l'utilisateur de l'appareil doit accepter le brouillage radioélectrique subi même si le brouillage est susceptible d'empêcher le fonctionnement de l'appareil.

CAN ICES-3 (B)/ CAN NMB-3 (B)

RADIATION EXPOSURE STATEMENT

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

- The North American customer could enjoy up to a 12-month limited warranty according to North American law. For all return shipping, please keep your original product box, which can be used for return shipping. The warranty does not include damage from return shipping in insufficient packaging. Products are not guaranteed against natural wear and deterioration from normal use and aging.

WARNING!

The warranty does not apply in the following cases:

Unauthorized Usage and Neglect:

- Any use beyond the intended purpose, or improper handling, care, maintenance, or storage (e.g., damage caused by moisture, extreme temperatures, or neglect of the product). Unsanctioned maintenance, misuse, collisions, negligence, abuse, tampering, accidents, or using the product in an unauthorized manner. In cases of inadequate packaging or transportation. When the product is subjected to undue mechanical forces or external influences.

Excluded Circumstances:

- Any damage or malfunction unrelated to the product's manufacturing process (e.g., falls, impacts, external damage, fire, earthquakes, flooding, lightning, etc.).

Proof of Purchase:

- Warranty claims will not be honored without the presentation of the original purchase receipt.

Commercial Use Disclaimer:

- If the product is employed for commercial purposes, all warranty terms become void.

Return Costs:

- In situations where the product is returned, and it does not qualify for warranty coverage or a return right, the associated costs shall be the responsibility of the purchaser.

DISPOSAL OF YOUR BACKFIRE E-SCOOTER

When your BACKFIRE e-scooter is no longer usable, dispose of it according to state and federal regulations. The motor, display, battery, accessories, and packaging should be disposed of in accordance with these regulations. State regulations regarding electronics disposal vary, so it is important to adhere to the rules in your state.

The manufacturer reserves the right to modify the product, issue firmware updates, and revise this manual at any time.



USER
MANUAL
ROVER ELECTRIC SCOOTER