



GYROCOPTERS

BRIO MOUNTAIN E-BIKE INSTRUCTION MANUAL

Do not use this product without carefully reading this instruction manual and understanding the performance of electric bicycles.

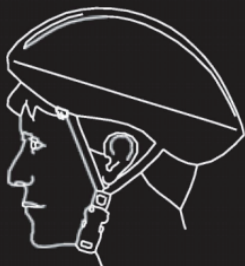
Please keep the instruction manual properly.

HELMETS SAVE LIVES!

Always wear a properly fitted helmet that complies with CPSC or CE safety standards when you ride your Gyrocopters Brio e-bike.

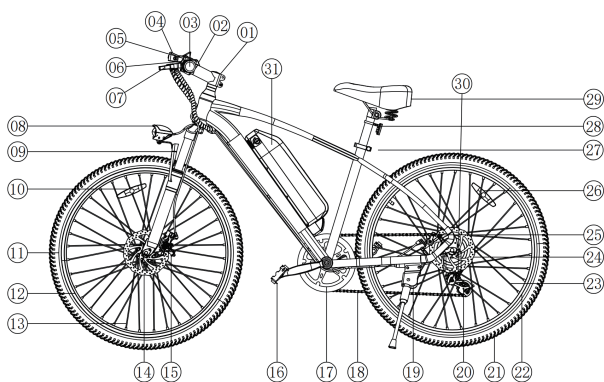


Correct Fitting:
Make sure your helmet covers your forehead.



Incorrect Fitting:
Forehead is exposed and vulnerable to serious injury.

PARTS & COMPONENTS



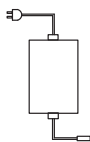
- 1.The riser
- 2.Acceleration handle
- 3.Handle grip
- 4.Variable speed finger
- 5.Battery display
- 6.Front reflector
- 7.Brake lever
- 8.Headlight
- 9.Front fork
- 10.Front wheel reflector
- 11.Tyre
- 12.Wheel
- 13.Spoke
- 14.Disc
- 15.Brake
- 16.Pedal
- 17.Chain wheel
- 18.Chain
19. Parking rack
- 20.Transmission
- 21.Tyre
- 22.Wheel
- 23.Spoke
- 24.Brake disc
- 25.Brake
- 26.Rear wheel reflector
- 27.Sitting clamp
- 28.Rear reflector
- 29.Seat
- 30.Transmission lever
- 31.Battery

Note: As we upgrade our eBikes, the one you own may be slightly different from the one shown above.

In the Package



2× Pedals



1× Charger



1× Feedback Card



1× Instruction Manual

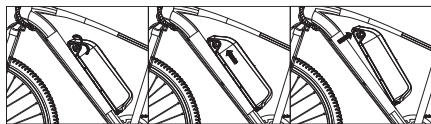


1× Hex Key



1× 15mm
(or 0.59 inch) Spanner

Battery Removal & Installment



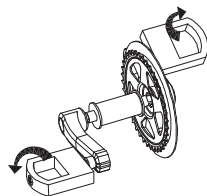
1. Turn the key clockwise to lock the battery. Turn the key counterclockwise to open the battery lock.

2. To remove the battery, gently lift it upwards and slide the battery from the tube.

3. Pull out the battery and to install it again, open the lock, gently slide the battery into the tube and lock the battery.

Installing the Pedals

Screw in the right pedal clockwise, and the left counter-clockwise.



GETTING STARTED

1. **Assembling:** Open the box, remove the packaging, and remove your Gyrocopters Brio e-Bike. Straighten the riser and fasten the latch. Adjust the seat to your desired height, and lock the quick release. To align the handlebar, quickly release the latch, align it, and lock it into place. Gently pull the brake levers a couple of times till the brake cables are well positioned.

Switch the power on and enjoy your ride with a helmet on.

2. **Charging:** Connect the DC jack of the original charger to the charging port of your Gyrocopters Brio e-bike and the AC plug to the mains. The charger light turns from red to green when the charging is complete. (Note: do not charge your e-bike unattended. Please avoid rain and sunlight over the charger if charging outside.)

3. **Power on and off:** Locate the power button on the left handle. Press the power button to switch on and power off. Holding the switch will also display the battery level when turned on.

4. **Light on and off.** Locate the button below the display on the right handle, and press and hold for three seconds to switch the headlight.

5. **Cruise control:** After driving at a constant speed, maintaining a certain speed, press the cruise button to enter cruise mode. Release the cruise bar, or brake exit cruise mode.

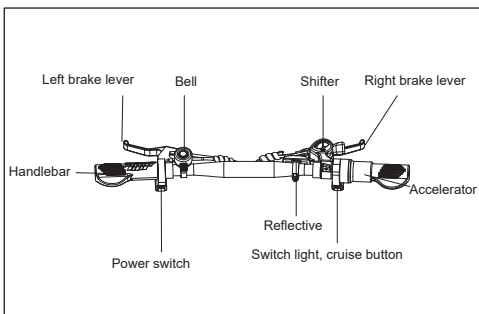
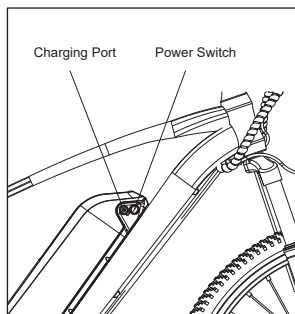
6. **Ride assistance :**

a. **Throttle Assist:** In Throttle Assist Mode, when the power is on, you can accelerate and start the ride without pedaling by twisting the throttle.

b. **Pedal Assist:** Pedal Assist Mode, when the power is on, and you are also pedaling, the mode provides power for an easier and more energy-efficient ride.

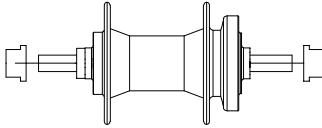
7. **Powercut-off brakes:** When you pull the brake levers, the controller cuts off the motor output, and the mechanical disc brakes are engaged. Pedal Assist Mode or Throttle Mode remains disabled as long as the brake levers are not ultimately released.

8. **Removing and Installing the Battery:** Gyrocopters Brio e-bike offers a removable battery feature. To remove the battery, open the battery lock and push the battery upwards along the tube. Disconnect the battery from the controller and pull it out. To install the battery, slide it into the tube, connect it to the controller below, and lock it. (For battery replacement due to damage, please contact our official customer service.)"



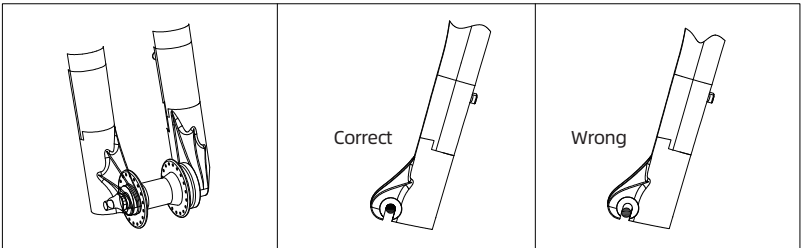
INSTALLING THE FRONT WHEEL

Turn the anchor nuts clockwise to increase clamping, and anti-clockwise to decrease.

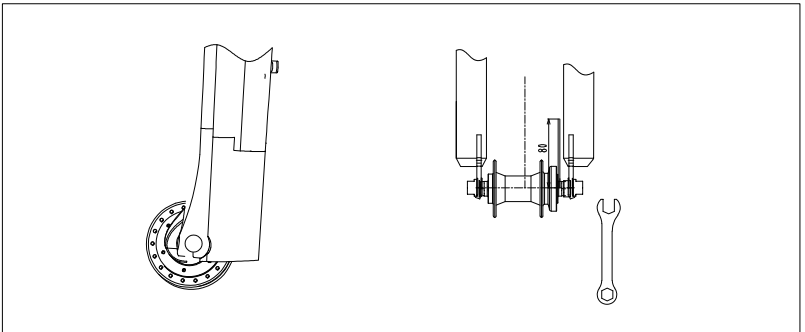


II. How to install

1. To insert the front wheel, manually turn the anchor nuts anti-clockwise to loosen them up, and then insert the front wheel all the way into the dropouts of the front fork.



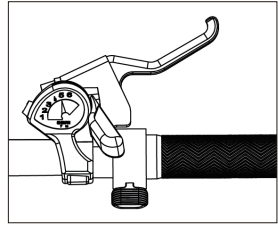
2. To secure the front wheel, manually turn the anchor nuts clockwise. Ensure that the front wheel is located at the very center of the front fork and that the disc brake rotor is parallel to the disc brake caliper towards the end of the front fork with space in between. Keep some space on both sides and tighten with a spanner as indicated below:



GEARS

Gyrocopters Brio Mountain e-bike comes with Seven gears, which consist of:

- Rear sprocket cluster/freewheel/cassette
- Rear derailleur
- Shifter
- Control cable
- Front sprocket / countershaft sprocket
- Drive chain



The gear mechanism differs in ergonomic design, performance, and price.

A downshift is moving from high to low gear, making pedaling easier for the rider. An upshift is moving to a higher or faster gear, which makes pedaling harder. While riding Brio e-bike, you can upshift to go faster and downshift to go uphill. A shift is possible only when you are pedaling forward, i.e. the drive chain is moving forward and under some tension.

CAUTION

Never shift when pedaling backward. Also, do not pedal backward after a shift. Either action may jam the chain and cause serious damage to your Gyrocopters Brio e-bike.

SPECIFICATION

Build	Model	BRIO
	Material	Aluminum alloy frame
	Expanded size	1870*580*1110 mm
	Pedal height from ground	130 mm
	Wheel hub	27.5 inches
	Body color	Black
Performance	Net Weight	21.5 kg
	Maximum Load	120 kg
	*Max speed	32km/h
	*Range in throttle mode	40±3km
	*Range in pedal assist mode	55±5KM
	*Hill climbing capacity	15 degrees
	Operating temperature	-10~45 degrees Celsius
	IP rating/	IP54
	Battery type	18650 lithium-ion
	Battery capacity	10 AH
	Battery rated voltage	36 V
	Charging voltage	DC42V
	Charger input voltage	AC100-240V
	Charging time	4-6H
Motor rated power	350 W	
Features	Headlight	Yes
	Speed sensor	Yes
	Adjustable seat height	Yes
	Braking	Front and rear disc brakes

Note: *The max speed varies depending on the battery level, load, tire pressure, terrain, lubrication state of the chain and bearings, etc. *The range of the e-bike may vary, depending on your riding behavior, ambient temperature, load, tire pressure, terrain, etc. The specs are measured with a load weight of 75kg, leveling & hardening road surface, and the battery completely exhausted from a full charge, uninterrupted test. Driving habits, temperature, loading, tire pressure, road environment, and other factors will affect the mileage.

MAINTENANCE

About the charger

- Use only the factory designated charger and avoid charging in residential buildings. Keep it out of reach of children.
- Be careful with the charger plug to avoid damaging it and causing poor input/output. Make sure the charger is moisture-proof and waterproof.
- Do not use the charger in unstable, excessively oily or dusty, humid, or direct sunlight environments. Do not connect other electrical appliances during lightning and maintain good ventilation.
- Keep external objects out of the charger and prevent any liquid or metal from entering it to avoid short circuits. Be aware of impacts or violent shocks.
- Only open the charger if you are a professional. Do not change the plug or wire of the charger by yourself since there is high voltage inside.

Charging process

- It is recommended to charge the battery after each use, or at least once every two weeks to maintain its performance and lifespan.
- Avoid charging the battery in extremely hot or cold temperatures, as it can damage the battery and reduce its lifespan.
- Do not charge the battery for longer than the recommended time specified in the user manual, as it can cause overheating and damage to the battery.
- Do not leave the battery charging unattended, especially overnight or for extended periods, as it can be a fire hazard.
- Always use the original charger provided by the manufacturer, as using a different charger can damage the battery and may void the warranty.

About the battery (Non professionals should not dismantle it)

Additionally, it is important to note that non-professionals should not attempt to dismantle the battery. Mixing different types of batteries and applicable voltages should be avoided. The battery should only be charged in a well-ventilated environment and never in residential buildings, confined spaces, or in hot weather. Any odors or excessively high temperatures during charging should be addressed immediately by stopping the charging process and seeking maintenance.

About the motor

It's important to protect the motor outlet to prevent short circuits caused by motor line wear, which can lead to burning of the motor. Additionally, the motor should not be immersed in water for extended periods of time.

About the controller

Attention should be paid to protect the exposed wires of the vehicle, to avoid causing the short-circuit burn out of the controller. Strictly prohibit contacting the controller with water.

NOTICE

Before riding, it is important to wear a helmet, gloves, kneecap, and elbow protectors for safety. It is recommended to ride at a medium speed and to avoid pedaling when slowing down. Riding on motorways, around pedestrians, or on steep slopes is strictly prohibited (the climbing gradient should be less than 20 degrees). The e-bike should not be ridden by individuals exceeding the maximum weight limit of 120KG. It should not be used in extremely hot or cold environments, or on bumpy, wet roads. It is important to note that the e-bike should not be used by children under the age of 16, as illegal use may result in unexpected dangers. The company does not take any responsibility for any damage to life, personal injury, or property damage resulting from not following the instructions in this manual.

DECLARATION OF RESPONSIBILITY

The company reserves the right to amend the product type, specifications, or related information mentioned in the manual and holds the final interpretation right.

The specific functions mentioned in this manual apply to this particular type only. Any changes or modifications to the product type, specifications, or related information mentioned in this manual will not be notified to the user.

No copy, modification, retransmission, dissemination, or release of the manual version shall be made in any form without the company's written permission.

Please read the handbook carefully before using the product and operate it in accordance with the manual. Otherwise, the company is not responsible for any damage to the product caused by improper use or error or the loss of personal property.

For product-related information, please inquire on Gyrocopters.ca

WEIGHT AND SPEED LIMITATIONS

Speed and weight limits are set for your own safety. Please do not exceed the limits listed in the "Specifications" section of this manual.

WARNING

Overweight exertion on the device may increase possibility of injury or product damage.

OPERATING RANGE

The following are some of the major factors that will affect the operating range of your device.

- 1) **Terrain:** Riding distance is highest when riding on a smooth, flat surface. Riding uphill and/or on rough terrain will reduce distance significantly.
- 2) **Weight:** A lighter user will have further range than a heavier user.
- 3) **Ambient temperature:** Please ride and store the device under recommended temperatures, which will increase driving distance; battery life, and overall performance of your device.
- 4) **Speed and Riding Style:** Maintaining a moderate and consistent speed while riding produces maximum distance. Traveling at high speeds for extended periods, frequent starts and stops, idling and frequent acceleration or deceleration will decrease overall distance.

Do not attempt to stop suddenly as this may lead to injury or damage to your brake discs.

WARNING

Proper use of your brake is vital to safe, efficient stopping. To avoid misuse and potential injury, do not apply sudden or excessive force to your brake. Apply the brake gradually and give yourself enough room to come to a complete stop safely.

Please follow all local, state and federal laws in regards to recycling, handling and disposing of Lead-acid battery

WARNING

Seek immediate medical assistance if you are exposed to any substance that is emitted from the battery.

SAFETY ALERTS

- "Error code" displayed on the screen.
- Flashing LED lights or beeping sounds.
- Power off or sudden stop of the e-bike.
- Abnormal vibration or noise from the e-bike.
- Overheating of the battery, motor or controller.
- Unusual or unexpected behavior of the e-bike.
- Warning message displayed on the screen, such as "brake failure" or "motor overheating".
- Any other abnormality that may occur during use.

If any of these Safety Alerts appear during use, the rider should stop the e-bike immediately, turn off the power, and check for any issues. If the problem cannot be solved, the user should seek professional help or contact the manufacturer for assistance. Ignoring these alerts could lead to serious injury or damage to the e-bike.

Prohibited riding surfaces (uneven, too steep, unsafe, etc.). Battery voltage is too low. The device is still charging. Overheating, or the motor temperature is too high. When the battery is about to run out of power, the battery icon will flash. If one or both tires are blocked, the device will stop after 10 seconds. When the battery level is below the protection mode, the device motor will power off after 15 seconds. While sustaining a high discharge current during use (such as riding up a steep slope for a long period of time), the device motor will power off after 15 seconds.

WARRANTY

Manufacturer warranty does not cover any physical or accidental damage due to improper usage. The warranty also does not cover normal wear and tear, damage to wheels, fenders, or any other physical damage, or water/liquid damage to your parts and units.

For warranty information,

Please visit us at www.gyrocopters.ca or

Email us at customercare@gyrocopters.ca



Website: Gyrocopters.ca

Phone: 647 846 1064

Address: 11-2340 Meadowvale Blvd, Mississauga, Ontario. Canada