

Gotrax EBE1 Black

Gotrax 16" Folding Electric Bike User Manual

Model: EBE1 Black

1. INTRODUCTION

Thank you for choosing the Gotrax 16" Folding Electric Bike. This manual provides essential information for the safe operation, assembly, and maintenance of your new electric bicycle. Please read it thoroughly before your first ride to ensure optimal performance and safety. This electric bike is designed for comfortable and efficient commuting, featuring a powerful motor, long-lasting battery, and a convenient foldable design.



Figure 1.1: Gotrax 16" Folding Electric Bike (EBE1 Black) in its operational and folded states.

2. SAFETY INFORMATION

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. This electric bike complies with UL-2849 standards for electrical safety.

- Always inspect the bike before each ride, checking brakes, tire pressure, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in heavy rain or extreme weather conditions.
- Ensure the battery is securely locked in place before riding.
- Be aware of your surroundings and other road users.

3. PACKAGE CONTENTS

Upon unboxing, please verify that all components are present and undamaged:

- Gotrax 16" Folding Electric Bike (90% pre-assembled)
- Battery Charger
- Keys for Battery Lock (2 sets)
- User Manual (this document)
- Basic Assembly Tools

4. ASSEMBLY

The Gotrax electric bike arrives approximately 90% pre-assembled. Follow these steps for final assembly:

1. **Unfold the Bike:** Carefully unfold the frame and secure the folding mechanisms.
2. **Install Handlebars:** Insert the handlebar stem into the frame and tighten the quick-release lever. Adjust the handlebar height to your preference and secure it.
3. **Install Seat Post:** Insert the seat post into the frame. Adjust the seat height for comfortable pedaling and secure with the quick-release lever.
4. **Attach Pedals:** Identify the left (L) and right (R) pedals. The left pedal screws counter-clockwise, and the right pedal screws clockwise. Tighten securely with a wrench.
5. **Check Tire Pressure:** Inflate tires to the recommended pressure indicated on the tire sidewall.

5. COMPONENTS OVERVIEW

Familiarize yourself with the key components of your Gotrax electric bike:

- **Rear Suspension:** Effectively reduces road vibration for a comfortable ride.
- **Dual Mechanical Disc Brakes:** Provide reliable stopping power for enhanced safety.
- **LED Headlight:** Illuminates the road for safe night riding.
- **Adjustable Handlebar & Seat:** Allows customization for rider comfort and different sizes.
- **36V 7.8Ah Removable Lithium Battery:** Powers the motor and offers convenient recharging.
- **Peak 500W Motor:** Delivers powerful performance for speeds up to 25 km/h (15.5 mph).
- **Dual Mudguards:** Protect the rider from splashes and mud, keeping the bike cleaner.

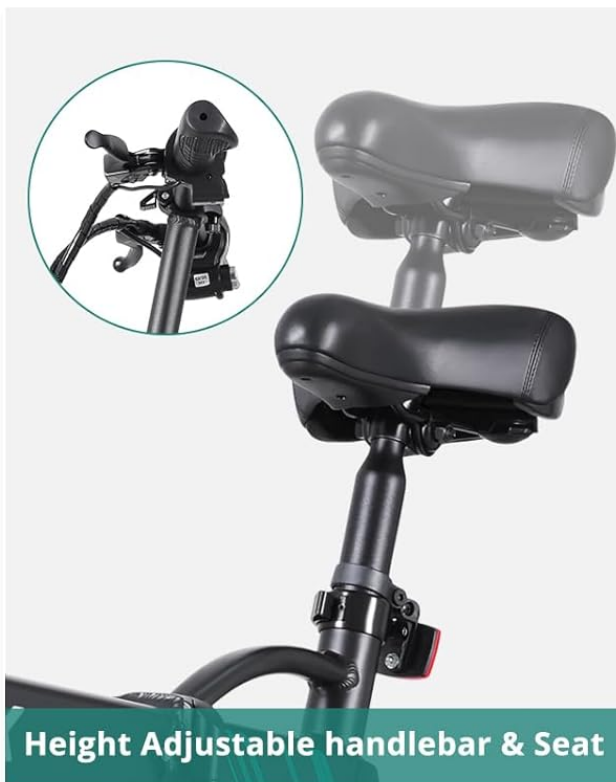


Figure 5.1: Key features including adjustable components, suspension, lighting, and braking system.



36V 7.8Ah Removable Battery

The removable battery offers the convenience of quick and easy recharging, increased flexibility in extending your ride, and enhanced security by preventing battery theft.



Figure 5.2: The removable 36V 7.8Ah lithium battery.



Control at Your Fingertips

The handlebar assembly operation offers seamless convenience for quick adjustments to suit your preferred riding posture.

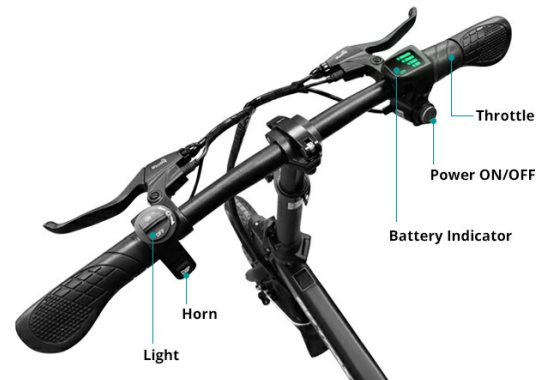


Figure 5.3: Handlebar controls for easy operation.

6. SETUP

1. **Initial Charge:** Before first use, fully charge the battery. Connect the charger to the bike's charging port or remove the battery to charge it separately. The charging indicator on the charger will change when fully charged (typically 4-5 hours).
2. **Battery Safety Lock:** Ensure the battery safety pin is inserted out of the frame and the battery is locked in the frame using the provided key. This prevents theft and ensures secure operation.

7. OPERATING INSTRUCTIONS

Operating your Gotrax electric bike is straightforward with controls conveniently located on the handlebars.

1. **Power On/Off:** Insert the key into the ignition and turn it to the ON position to power on the bike and activate the display screen. Turn the key to OFF to power down.
2. **Battery Level:** The display panel shows the current remaining battery charge. Monitor this to plan your rides accordingly.
3. **Throttle Acceleration:** Once switched on, turn the throttle on the right handlebar to accelerate forward. This bike operates with a single gear.
4. **Headlight:** Push the ON button on the handlebar to turn on the LED headlight. Push the OFF button to

turn off the headlight.

5. **Horn:** Press the horn button on the handlebar to alert others.
6. **Braking:** Squeeze the brake levers on both handlebars to engage the dual mechanical disc brakes for effective stopping.

8. FOLDING AND PORTABILITY

The Gotrax electric bike features a foldable design for easy transportation and compact storage.

- **Folding Process:** Locate the folding latches on the frame and handlebar stem. Release them and carefully fold the bike. Ensure all latches are securely fastened when unfolded for riding.
- **Compact Size:** When folded, the bike measures approximately 32.6in x 14.1in x 23.6in (83cm x 36cm x 60cm).
- **Lightweight:** Weighing only 45lbs (20kg), it is convenient to carry and store.



32.6"*14.1"*23.6"
Folded size



20kg/45lbs
Bicycle weight

Figure 8.1: The Gotrax electric bike in its folded state, highlighting its compact dimensions.

9. BATTERY INFORMATION

The bike is equipped with a removable built-in 36V 7.8Ah lithium battery.

- **Range:** Approximately 25KM (15.5 Miles) in pure electric mode and 45KM (27.9 Miles) in pedal-assist mode.
- **Charging:** Use only the provided charger. Charging time is typically 4-5 hours for a full charge.
- **Care:** Store the battery in a cool, dry place. Avoid extreme temperatures. Do not attempt to open or modify the battery pack.

10. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your electric bike.

- **Cleaning:** Wipe the bike with a damp cloth. Do not use high-pressure water jets directly on electrical components.
- **Brakes:** Periodically check brake pads for wear and ensure proper brake lever tension. Adjust as needed.
- **Tires:** Maintain recommended tire pressure. Inspect tires for wear or damage.
- **Lubrication:** Lubricate the chain and other moving parts regularly.
- **Fasteners:** Periodically check all bolts and fasteners to ensure they are tight.

11. TROUBLESHOOTING

If you encounter issues with your Gotrax electric bike, refer to the following common problems and solutions:

- **Bike not turning on:** Ensure the battery is fully charged and securely locked in place. Check that the key is turned to the ON position.
- **Motor not engaging:** Verify the battery level. Ensure the throttle is engaged correctly.
- **Reduced range:** This can be due to low tire pressure, riding uphill frequently, or carrying heavy loads. Ensure proper tire inflation and consider pedal-assist mode for longer distances.
- **Brakes squealing:** This may indicate dirty brake pads or rotors. Clean them or have them inspected by a professional.

For persistent issues or problems not listed here, please contact Gotrax customer service.

12. SPECIFICATIONS

Feature	Specification
Product Dimensions	85.98 x 38 x 63.98 cm (33.85 x 14.96 x 25.19 inches)
Item Weight	20.41 kg (45 lbs)
Item Model Number	EBE1 Black
Motor Wattage	350W (Peak 500W)
Battery	36V 7.8Ah Lithium Ion (Removable)
Max Speed	25 km/h (15.5 mph)
Max Range (Pure Electric)	25 KM (15.5 Miles)
Max Range (Pedal-Assist)	45 KM (27.9 Miles)
Wheel Size	16 Inches
Frame Material	Aluminum
Brake Type	Disc
Suspension	Rear
Recommended Rider Height	150-175 cm (59-68.9 inches)
Load Capacity	Max 120 kg (265 lbs)



Recommended Height
59-68.9inch/150-175cm



Load Capacity
MAX 265lbs

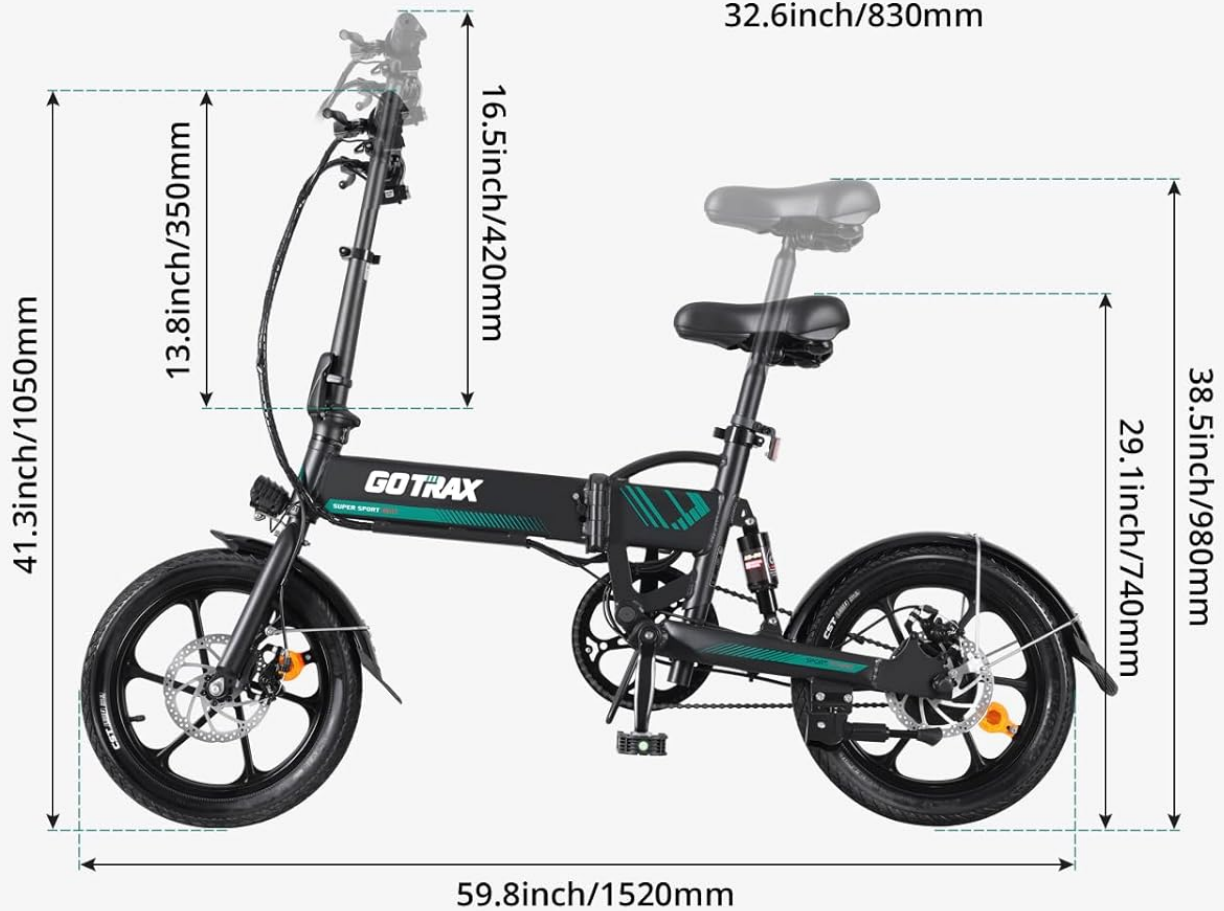






Figure 12.1: Detailed dimensions of the electric bike.

13. WARRANTY AND SUPPORT

Gotrax provides a **SIX-month Assurance** for this product. If you experience any issues with your electric bike, please do not hesitate to contact our customer service team. We are committed to providing 100% satisfactory after-sales service and aim to respond within 24 hours.

For support, please visit the official Gotrax website or refer to the contact information provided with your purchase documentation.

Related Documents

	<p>GOTRAX Nephele Electric Bike User Manual: Assembly, Operation, and Maintenance Guide</p> <p>Your essential guide to the GOTRAX Nephele electric bike. Learn how to assemble, operate safely, charge, maintain, and understand the warranty for your e-bike.</p>
	<p>GOTRAX G4 Electric Scooter User Manual</p> <p>Comprehensive user manual for the GOTRAX G4 Electric Scooter, covering assembly, operation, charging, maintenance, troubleshooting, and safety guidelines.</p>
	<p>GOTRAX NANO Folding Electric Bike User Manual</p> <p>Comprehensive user manual for the GOTRAX NANO folding electric bike, covering assembly, operation, maintenance, safety precautions, and warranty information.</p>
	<p>GOTRAX EBE6 Electric Bike User Manual</p> <p>Discover how to assemble, operate, and maintain your GOTRAX EBE6 electric bike with this comprehensive user manual. Featuring safety guidelines, product specifications, and riding tips for an optimal e-bike experience.</p>