

## Gotrax EBE1

# Gotrax EBE1 16" Folding Electric Bike User Manual

Model: EBE1 | Brand: Gotrax

## IMPORTANT SAFETY INFORMATION

Your safety is paramount. Please read and understand all safety warnings before operating the Gotrax EBE1 Electric Bike.

- **Always wear a helmet:** Ensure your helmet is properly fitted and secured before every ride.
- **Inspect before each ride:** Check brakes, tires, battery level, and all connections to ensure they are in good working order.
- **Understand local laws:** Be aware of and comply with all local traffic laws and regulations regarding electric bikes.
- **Ride responsibly:** Avoid riding in adverse weather conditions, on slippery surfaces, or at excessive speeds.
- **UL2849 Certified:** This product is UL2849 safety certified, ensuring adherence to high safety standards.

## PRODUCT OVERVIEW

The Gotrax EBE1 is a 16-inch folding electric bike designed for commuting and leisurely rides. It combines portability with powerful electric assistance, making it an ideal choice for adults and teens seeking an efficient and comfortable mode of transport.



Figure 1: The Gotrax EBE1 16" Folding Electric Bike in its full and folded configurations.

## ASSEMBLY AND INITIAL SETUP

The Gotrax EBE1 electric bike arrives 90% pre-assembled, simplifying the setup process. Follow these steps to prepare your bike for its first ride:

1. **Unpack:** Carefully remove the bike and all components from the packaging.
2. **Handlebar Installation:** Insert the handlebar stem into the fork tube and secure it firmly using the provided tools. Ensure the handlebar is aligned with the front wheel.
3. **Seat Post Adjustment:** Insert the seat post into the frame and adjust the height to a comfortable riding position. Secure the quick-release clamp.
4. **Pedal Attachment:** Identify the left (L) and right (R) pedals. Thread them into the corresponding crank arms. Note that the left pedal threads counter-clockwise. Tighten securely.

5. **Tire Inflation:** Inflate both tires to the recommended pressure indicated on the tire sidewall.
6. **Brake Check:** Test both front and rear brakes to ensure they engage properly and provide adequate stopping power. Adjust if necessary.
7. **Initial Charge:** Fully charge the battery before your first ride. Refer to the 'Battery Charging and Care' section for detailed instructions.

## KEY COMPONENTS

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### Rear Suspension System

The EBE1 is equipped with a rear suspension system designed to absorb shocks and vibrations from uneven terrain, providing a smoother and more comfortable riding experience.



Figure 2: Detail of the rear shock absorber for enhanced ride comfort.

### Dual Mechanical Disc Brakes

For reliable stopping power, the EBE1 features dual mechanical disc brakes on both the front and rear wheels, ensuring effective and safe deceleration.



Figure 3: Close-up of the 160mm dual disc brakes and integrated LED front light.

### LED Headlight

An integrated LED headlight provides illumination for safe riding during low-light conditions or at night.

### Foldable Design

The bike's foldable design allows for easy transportation and compact storage. When folded, it measures 32.6in x 14.1in x 23.6in and weighs only 45lbs (20kg).





# GO ANYWHERE ANYTIME

**IBS** **WEIGHT** 45lbs/20kg

**FOLDED** 32.6"\*14.1"\*23.6"

Figure 4: The Gotrax EBE1 showcasing its compact folded size and portability.

### High Capacity Lithium Battery

The EBE1 is powered by a removable built-in 36V 7.5Ah lithium battery, offering a range of 25KM (15.5 Miles) in pure electric mode and 45KM (27.9 Miles) in pedal-assist mode. It features a built-in battery lock for security.



Figure 5: Illustration of the 36V 7.5Ah battery and its 4-5 hour fast charge capability.

### Powerful 350W Motor

A dependable 350W motor provides high torque and allows the bike to reach speeds of up to 15.5 mph (25 km/h), suitable for daily commutes and recreational rides.





Figure 6: Visual representation of the 350W hub motor and its speed capability.

### LED Display Panel

The handlebar-mounted LED display shows essential information such as current remaining battery charge, speed, and selected riding mode.

### OPERATING YOUR GOTRAX EBE1

#### Powering On/Off

To power on the bike, press and hold the power button on the display unit. To power off, press and hold the same button until the display turns off.

## Riding Modes

The EBE1 offers multiple riding modes to suit your preference:

- **Pure Electric Mode:** Engage the throttle for full electric power without pedaling. Max range: 15.5 Miles (25 KM).
- **Pedal-Assist Mode:** The motor provides assistance as you pedal, extending your range and making rides easier. Max range: 27.9 Miles (45 KM).
- **Sport Mode (Manual):** Ride the bike like a traditional bicycle, using only pedal power.

## Speed Control

Use the accelerator on the handlebar to control your speed in pure electric or pedal-assist modes. The bike can reach speeds of up to 15.5 mph.

## Braking

Apply the brake levers on the handlebars to engage the front and rear disc brakes. Apply both brakes simultaneously for optimal stopping performance.

## Folding and Storage

To fold the bike, locate the folding mechanisms on the frame and handlebar stem. Release the safety latches and fold the bike according to the instructions in the quick start guide. This allows for compact storage and easy transport.





**Recommended Height**  
**59-68.9inch/150-175cm**



**Load Capacity**  
**MAX 265lbs**



**Bicycle weight**  
**45lbs/20kg**

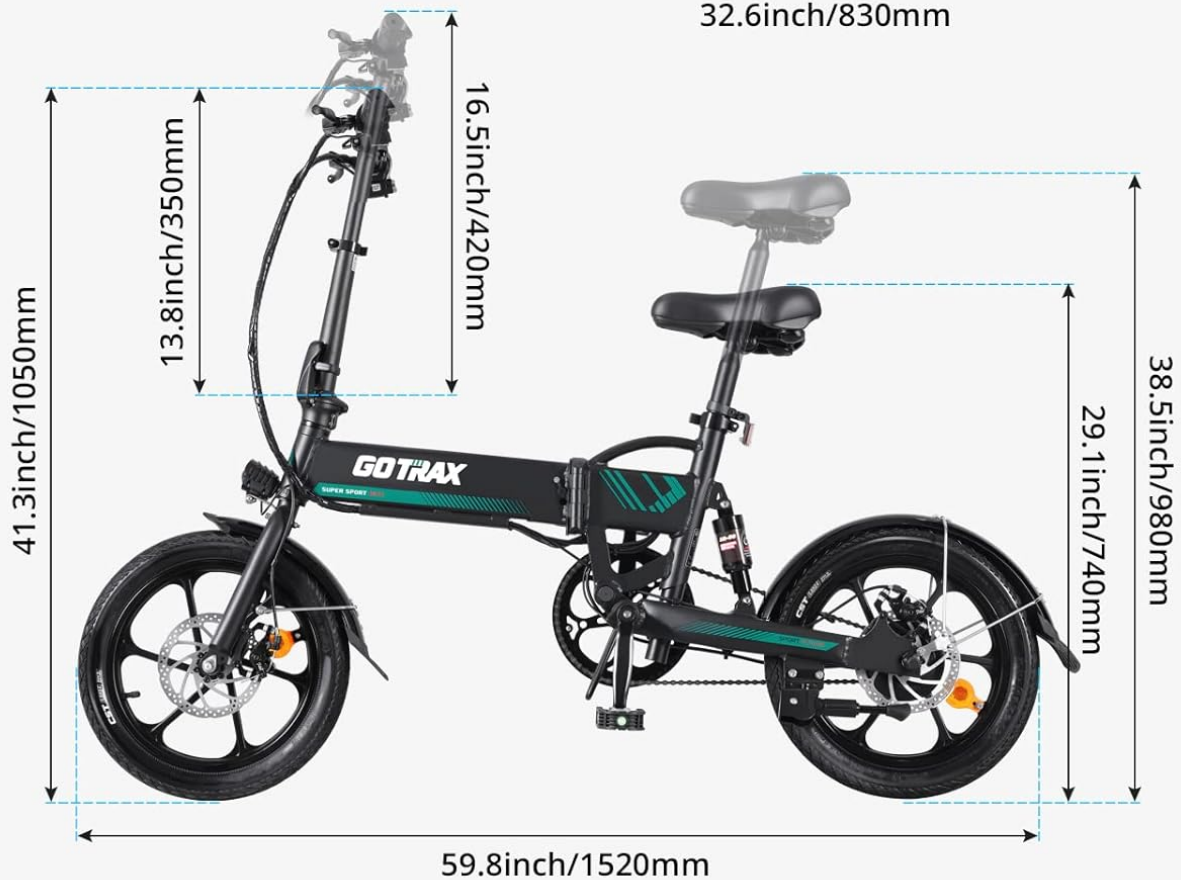


Figure 7: Detailed dimensions of the Gotrax EBE1, including its folded size.

## BATTERY CHARGING AND CARE

The EBE1 features a removable 36V 7.5Ah lithium battery. Proper battery care ensures longevity and optimal performance.

- **Charging:** Connect the charger to the bike's charging port and then to a standard wall outlet. The battery typically charges in 4-5 hours. The display panel shows the current remaining charge.
- **Battery Lock:** Utilize the built-in battery lock to secure the battery in place during rides and when stored.
- **Storage:** If storing the bike for an extended period, ensure the battery is charged to approximately 50-70% and store it in a cool, dry place.

## Maintenance Guidelines

Regular maintenance is crucial for the safe and efficient operation of your Gotrax EBE1 electric bike.

- **Tires:** Regularly check tire pressure and inspect for wear or damage.
- **Brakes:** Periodically inspect brake pads and discs for wear. Ensure brake levers are responsive and provide firm stopping power.
- **Chain:** Keep the chain clean and lubricated to ensure smooth operation and prevent rust.
- **Fasteners:** Check all bolts, nuts, and quick-release mechanisms regularly to ensure they are tight and secure.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.

## Troubleshooting Common Issues

If you encounter any issues with your Gotrax EBE1, refer to the following common problems and solutions:

- **Bike not powering on:** Check if the battery is properly seated and charged. Ensure the power button is pressed correctly.
- **Motor not engaging:** Verify that the battery is charged and connected. Ensure you are in an electric or pedal-assist mode.
- **Reduced range:** This can be due to low tire pressure, riding uphill frequently, or riding in colder temperatures. Ensure proper tire inflation and consider riding in pedal-assist mode.
- **Brakes squealing:** This may indicate worn brake pads or contamination. Clean the brake discs and pads, or replace pads if necessary.

For issues not listed here or if problems persist, please contact Gotrax customer support.

## Technical Specifications

Feature	Specification
Bike Type	Electric Bike
Model Name	EBE1
Age Range	Adult
Brand	Gotrax
Number of Speeds	5
Color	Black
Wheel Size	16 Inches
Frame Material	Aluminum
Suspension Type	Rear
Special Feature	Foldable
Included Components	tools

Brake Style	Disc
Wheel Width	2.6 Inches
Specific Uses	Trail, Commute, Road
Item Weight	44 Pounds
Theme	Travel, Sport, Commute
Power Source	rechargeable-battery
Wattage	374.4 Watt-hours
Lithium Battery Energy Content	270 Watt Hours (36V 7.5Ah)
Maximum Weight Recommendation	264 Pounds
Assembly Required	Yes
Bicycle Gear Shifter Type	Trigger
Skill Level	Beginner



### WARRANTY AND CUSTOMER SUPPORT

Gotrax is committed to providing satisfactory after-sales service.





- **Warranty:** The Gotrax EBE1 comes with a SIX-month warranty.
- **Customer Service:** If you experience any issues with your e-bike, please do not hesitate to contact Gotrax customer service. We aim to provide a response within 24 hours.
- **Online Support:** For additional support and resources, visit the official[Gotrax Store on Amazon](#).

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### Related Documents - EBE1

	<p><a href="#">GOTRAX Nephele Electric Bike User Manual: Assembly, Operation, and Maintenance Guide</a></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><a href="#">GOTRAX EBE1 Electric Bike User Manual</a></p> <p>Comprehensive user manual for the GOTRAX EBE1 electric bike, covering assembly, operation, safety guidelines, maintenance, and troubleshooting. Learn how to safely operate and care for your GOTRAX EBE1.</p>



 The image shows the cover of the GOTRAX EBE6 Electric Bike User Manual. It features a black and white photograph of the electric bike. Above the bike, there is a logo consisting of three slanted parallel lines, followed by the text 'GOTRAX EBE6 ELECTRIC BIKE' and 'USER MANUAL' in a small box.	<p><a href="#">GOTRAX EBE6 Electric Bike User Manual</a></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>
 The image shows the cover of the GOTRAX NANO Folding Electric Bike User Manual. It features a black and white photograph of the folding electric bike. Above the bike, there is a logo consisting of three slanted parallel lines, followed by the text 'GOTRAX NANO Folding Electric Bike' and 'USER MANUAL' in a small box.	<p><a href="#">GOTRAX NANO Folding Electric Bike User Manual</a></p> <p>Comprehensive user manual for the GOTRAX NANO folding electric bike, covering assembly, operation, maintenance, safety precautions, and warranty information.</p>
 The image shows the cover of the GOTRAX R2 Electric Bike User Manual. It features a black and white photograph of the electric bike. Above the bike, there is a logo consisting of three slanted parallel lines, followed by the text 'GOTRAX R2 ELECTRIC BIKE' and 'USER MANUAL' in a small box.	<p><a href="#">GOTRAX R2 Electric Bike User Manual</a></p> <p>A comprehensive user manual for the GOTRAX R2 electric bike, detailing assembly, operation, safety guidelines, maintenance, troubleshooting, and warranty information.</p>
 The image shows the cover of the GOTRAX ENDURA Electric Bike User Manual. It features a black and white photograph of the electric bike. Above the bike, there is a logo consisting of three slanted parallel lines, followed by the text 'GOTRAX ENDURA ELECTRIC BIKE' and 'USER MANUAL' in a small box.	<p><a href="#">GOTRAX ENDURA Electric Bike User Manual</a></p> <p>Comprehensive user manual for the GOTRAX ENDURA electric bike, covering assembly, operation, safety guidelines, specifications, and troubleshooting.</p>