

Gotrax Dolphin

Gotrax Dolphin 26" Electric Bike User Manual

Model: Dolphin (Endura-001)

1. INTRODUCTION

Welcome to the user manual for your new Gotrax Dolphin 26" Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your electric bicycle. Please read this manual thoroughly before your first ride to ensure optimal performance and safety.

The Gotrax Dolphin Electric Bike is designed for urban commuting and recreational riding, offering a blend of traditional cycling and electric assistance. It features a robust aluminum frame, a powerful motor, and multiple pedal-assist levels to enhance your riding experience. This product is UL2849 safety certified, ensuring adherence to high safety standards.

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. Perform a pre-ride inspection before each use, checking tire pressure, brake functionality, and battery charge level.

The Gotrax Dolphin Electric Bike is UL2849 certified, indicating compliance with electrical system safety standards for electric bicycles. However, this certification does not negate the importance of safe riding practices and regular maintenance.

For detailed safety guidelines and warnings, please refer to the official user manual PDF provided with your product or available for download from the Gotrax website.

3. PACKAGE CONTENTS

Upon unboxing, please verify that all components are present and undamaged. The standard package for the Gotrax Dolphin 26" Electric Bike typically includes:

- Gotrax Dolphin Electric Bike (partially assembled)
- Removable Battery
- Battery Charger
- Tool Kit for Assembly
- User Manual (this document and/or PDF)
- Reflectors

If any items are missing or damaged, please contact Gotrax customer support immediately.

4. SETUP AND ASSEMBLY

The Gotrax Dolphin Electric Bike arrives mostly pre-assembled. The primary assembly steps involve attaching the front wheel, handlebars, pedals, and seat. Clear instructions and necessary tools are provided to facilitate this process.



Figure 4.1: Key components of the Gotrax Dolphin Electric Bike.

Step-by-step Assembly:

1. Carefully remove the bike and all components from the packaging.
2. Attach the front wheel to the front fork, ensuring the quick-release skewer is securely fastened.
3. Insert the handlebar stem into the fork tube and tighten the bolts. Adjust the handlebar angle for comfort.
4. Attach the pedals. Note that pedals are typically marked 'L' for left and 'R' for right, and have different threading.
5. Insert the seat post into the frame and adjust the seat height to your preference, ensuring the quick-release clamp is tightened.
6. Install the front and rear reflectors as per local regulations.
7. Ensure all bolts and fasteners are securely tightened before your first ride.



Figure 4.2: Fully assembled Gotrax Dolphin Electric Bike.

5. OPERATING INSTRUCTIONS

The Gotrax Dolphin Electric Bike offers versatile riding options with its electric motor and traditional bicycle components.

5.1 Riding Modes

Your e-bike supports three distinct riding modes:

- **Pure Electric Mode:** Engage the throttle for motor-only propulsion. This mode allows for effortless cruising without pedaling.
- **Pedal-Assist Mode:** The motor provides assistance as you pedal. This mode offers 5 different speed levels, allowing you to customize the level of assistance based on terrain and desired effort.
- **Normal Bike Mode:** Ride the bike like a traditional bicycle, with no motor assistance.

GOTRAX

20 MPH
Max Speed

30 MILES
Pedal-Assist Mode

15.5 MILES
Pure Electric Mode

5.5 HOURS
Fast Charge

! TIPS: Gear Defaults to 0 at Power-On.

Figure 5.1: Performance metrics of the Gotrax Dolphin Electric Bike.

5.2 Boost Mode

For an extra push, especially when starting or going uphill, utilize the Boost Mode. Press and hold the designated button for 2-3 seconds to activate a 6 Km/h (3.7 mph) boost. Press any button to exit this mode.



Figure 5.2: Activating Boost Mode for easier uphill travel.

5.3 Gear System

The bike is equipped with a Shimano 7-speed gear system, allowing you to adjust your pedaling effort for various terrains. Selecting a lower gear minimizes strain on your legs, particularly on inclines.



7-Speed Gear

Elevate Your Riding with 7-speed Gear.

Tips: Lower Gear Means Less Effort.



Figure 5.3: The 7-speed gear system for versatile riding.

5.4 Battery and Charging

The 280.8Wh removable battery provides a range of up to 15.5 miles in pure electric mode and over 30 miles in pedal-assist mode 1. A full charge takes approximately 5.5 hours. The removable design allows for convenient charging both on and off the bike.



Figure 5.4: Removable battery for flexible charging.

6. MAINTENANCE

Regular maintenance is crucial for the longevity and safe operation of your Gotrax Dolphin Electric Bike.

6.1 General Care

- **Cleaning:** Wipe down the bike with a damp cloth after each ride. Avoid using high-pressure water jets directly on electrical components.
- **Storage:** Store the bike in a cool, dry place, away from direct sunlight and extreme temperatures. If

storing for extended periods, ensure the battery is charged to 50-70%.

6.2 Component Checks

- **Tires:** Check tire pressure before each ride. Recommended pressure is typically indicated on the tire sidewall.
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. The bike features dual disc brakes for enhanced stopping ability.
- **Chain:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent premature wear.
- **Fasteners:** Periodically check all bolts and nuts for tightness, especially on critical components like handlebars, wheels, and seat.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Gotrax Dolphin Electric Bike. For more complex problems, please consult the official user manual or contact customer support.

Problem	Possible Cause	Solution
Bike does not power on.	Battery is not charged or not properly seated.	Ensure battery is fully charged and securely inserted into the frame. Check power button.
Motor not engaging in electric or pedal-assist mode.	Throttle or pedal-assist sensor issue; brake levers engaged.	Ensure brake levers are fully released. Check connections to throttle/sensor. Restart the bike.
Brakes feel weak or make noise.	Worn brake pads; misaligned calipers.	Inspect brake pads for wear and replace if necessary. Adjust brake caliper alignment.
Unusual noises during operation.	Loose components; dry chain; motor issue.	Check all fasteners. Lubricate the chain. If noise persists, seek professional assistance.

8. SPECIFICATIONS

Below are the technical specifications for the Gotrax Dolphin 26" Electric Bike:

Feature	Specification
Bike Type	City Bike, Electric Bike
Age Range (Description)	Youth, Adult
Brand	Gotrax

Feature	Specification
Number of Speeds	7
Color	Black
Wheel Size	26 Inches
Frame Material	Aluminum+ABS
Suspension Type	Front Shock Absorbing Fork
Special Feature	20Mph Max Speed, 30 Miles Max Range (Pedal-assist1), 5 Pedal-Assist Levels, Shimano 7-Speed, Three Cycling Modes
Included Components	Reflectors
Size	26inch
Brake Style	Dual Disc Brake
Item Weight	22.2 Kilograms
Style	350w Black
Model Name	Dolphin
Power Source	rechargeable battery
Wattage	350 watts
Wheel Material	Aluminum
Lithium Battery Energy Content	280.8 Watt Hours
Seat Material Type	Vinyl
Warranty Type	365 Days
Maximum Weight Recommendation	264 Pounds
Assembly Required	Yes
Bicycle Gear Shifter Type	Trigger
Number of Handles	2
Minimum User Height	5.2 Feet
Fender Material	Aluminum
UPC	810132393570
Bicycle Drivetrain Type	Chain
Electric Assist Type	Pedal-Assist and Throttle-on-Demand

Feature	Specification
Manufacturer	ZHE JIANG TAOTAO VEHICLES CO.,LTD
Item Package Dimensions L x W x H	56.7 x 29.99 x 9.4 inches
Package Weight	24.27 Kilograms
Item Dimensions LxWxH	70.1 x 27.2 x 46.1 inches
Brand Name	Gotrax
Warranty Description	365 days
Material	Aluminum
Suggested Users	unisex-adult
Part Number	Endura-001
ASIN	B0CG96T4MC
Date First Available	August 22, 2023



Figure 8.1: Gotrax Dolphin Electric Bike dimensions and weight specifications.

9. WARRANTY AND SUPPORT

Gotrax provides a 365-day part assurance for your Dolphin Electric Bike. If you encounter any issues or require assistance, please contact Gotrax customer support. We are committed to providing satisfactory after-sales service.

For further support and to explore other Gotrax products, visit the official [Gotrax Store on Amazon](#).

