

ACTBEST Race

ACTBEST Race Electric Bike User Manual

Models: Race-27.5", Race-26"

1. INTRODUCTION

Thank you for choosing the ACTBEST Race Electric Bike. This manual provides essential information for the safe assembly, operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding and adherence to these instructions will ensure optimal performance and longevity of your e-bike.

2. SAFETY GUIDELINES

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Familiarize yourself with local traffic laws and regulations regarding electric bicycles. Perform a pre-ride inspection before each use.

- **Helmet Use:** Always wear a certified helmet.
- **Traffic Laws:** Obey all local traffic laws, signs, and signals.
- **Pre-Ride Check:** Before each ride, check tire pressure, brake function, battery charge, and ensure all quick releases and fasteners are secure.
- **Weather Conditions:** Exercise caution when riding in wet conditions, as braking distance may increase.
- **Night Riding:** Use headlights and taillights when riding in low-light conditions.
- **Weight Limit:** Do not exceed the maximum weight recommendation of 330 pounds.
- **Battery Safety:** Only use the provided charger. Do not expose the battery to extreme temperatures or puncture it.

3. PACKAGE CONTENTS

Upon unpacking, verify that all items listed below are present:

- 1 x ACTBEST Race Electric Bike (partially assembled)
- 1 x Battery charger
- 1 x Installation Tool Set
- 1 x User Manual
- Battery (pre-installed or separate)

4. ASSEMBLY INSTRUCTIONS

The ACTBEST Race Electric Bike comes partially assembled. Follow these steps carefully for complete assembly. For a visual guide, please refer to the assembly video below.

Your browser does not support the video tag.

Video Description: This video provides a detailed step-by-step guide for unboxing and assembling the ACTBEST Race Electric Bike. It covers attaching the handlebars, front wheel, seat, pedals, lights, and reflectors, as well as battery installation and initial display setup.

4.1. Handlebar Assembly

1. Use the provided tools to loosen the screws on the stem.
2. Turn the stem to the correct riding position and securely tighten the screws.
3. Remove the front cover of the stem.
4. Carefully place the handlebar into position, ensuring all cables are free and not pinched.
5. Reattach the front cover and tighten the screws evenly to secure the handlebar.

4.2. Front Wheel Installation

1. Remove the protective screw and plastic cap from the front fork.
2. Carefully lift the front of the bike and align the front wheel with the fork dropouts, ensuring the brake rotor slides into the brake caliper.
3. Insert the quick-release skewer through the wheel hub.
4. Tighten the quick release nut and close the lever firmly.

4.3. Headlights and Taillights Installation

1. Attach the headlight to the designated mounting point on the front fork using the provided bracket and tools.
2. Attach the taillight to the seat post or rear rack (if applicable) using its mounting mechanism.

4.4. Seat Post and Saddle Installation

1. Insert the seat post with the saddle attached into the frame's seat tube.
2. Adjust the seat height to a comfortable and safe riding position.
3. Secure the seat post by closing the quick-release lever firmly. Ensure the minimum insertion mark on the seat post is not visible.

4.5. Pedal Installation

Note: Pedals are marked 'L' for left and 'R' for right. The right pedal tightens clockwise, and the left pedal tightens counter-clockwise.

1. Identify the 'R' pedal and thread it into the right crank arm (chain side) clockwise. Tighten with a wrench.
2. Identify the 'L' pedal and thread it into the left crank arm counter-clockwise. Tighten with a wrench.

4.6. Reflector Installation

1. Attach the front reflector to the front of the bike, typically on the handlebars or front fork.
2. Attach the rear reflector to the seat post or rear rack.
3. Attach wheel reflectors to the spokes of both wheels.

4.7. Battery Installation and Activation

1. If the battery is separate, insert it into the frame's battery compartment.
2. Use the key to lock the battery securely in place.
3. Press the power button on the battery to activate it.



Image Description: A fully assembled ACTBEST Race Electric Bike, white in color, showcasing its mountain bike design with front suspension, disc brakes, and integrated battery.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off and Display

1. Ensure the battery is locked and powered on.
2. Press and hold the power button on the handlebar display to turn on the e-bike system.
3. The display will show speed, battery level, assist level, and other ride data.
4. To power off, press and hold the power button on the display again.

5.2. Riding Modes

Your ACTBEST Race Electric Bike offers multiple riding modes for a customizable experience:

- **Pedal Assist Mode (PAS):** Provides electric assistance as you pedal. Adjust the assist level (1-5) using the '+'

and '-' buttons on the display. Higher levels provide more assistance.

- **Throttle-Only Mode:** Engages the motor without pedaling. Use the thumb throttle to control speed.
- **Manual Mode:** Ride the bike like a traditional bicycle without any electric assistance.
- **Walk Mode:** Provides low-speed assistance (typically up to 6 km/h) to help push the bike while walking. Activate via the display.



Image Description: An illustrative image depicting the three primary riding modes: Pedal Assist, Manual, and Throttle-only, with a cyclist riding an e-bike on varied terrain.

5.3. Gear Shifting

The bike is equipped with a Shimano 21-speed gear system. Use the shifters on the handlebars to change gears according to terrain and desired effort. Shift smoothly to avoid strain on the drivetrain.

5.4. Braking System

The ACTBEST Race features dual disc brakes for reliable stopping power. Apply both front and rear brakes simultaneously for effective and controlled deceleration. Avoid sudden, hard braking, especially with the front brake, to prevent loss of control.

27.5" Wider Tires



Stability



Traction



Comfort



Shock
absorption



Image Description: A detailed view of the 27.5-inch wider tire and disc brake system, emphasizing its design for stability, traction, comfort, and shock absorption.

6. MAINTENANCE

Regular maintenance is crucial for the performance and safety of your e-bike.

- **Battery Care:** Charge the battery regularly, even when not in use, to maintain its health. Store in a cool, dry place. Avoid fully discharging the battery.
- **Tire Pressure:** Check tire pressure before each ride. Maintain pressure within the range indicated on the tire sidewall.
- **Brake Inspection:** Regularly check brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent wear.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.
- **Cleaning:** Clean your e-bike with a damp cloth. Avoid high-pressure washing directly on electrical components.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your ACTBEST Race Electric Bike.

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, battery not properly installed/locked, power button not pressed correctly.	Charge battery, ensure battery is fully inserted and locked, press and hold power button on display.
Motor not assisting	PAS level set to 0, loose motor cable, faulty pedal assist sensor (PAS).	Increase PAS level, check motor cable connections, contact support if PAS error (e.g., E30) appears.
Brakes feel weak or noisy	Worn brake pads, misaligned caliper, contaminated rotor.	Inspect and replace brake pads, adjust brake caliper, clean rotor with disc brake cleaner.
Gears are not shifting smoothly	Dirty or unlubricated chain, misaligned derailleur, stretched cable.	Clean and lubricate chain, adjust derailleur, or have a bike mechanic inspect cables.

If you encounter issues not listed here or cannot resolve a problem, please contact ACTBEST customer support.

8. SPECIFICATIONS

Key technical specifications for the ACTBEST Race Electric Bike:

Feature	Detail
Bike Type	Mountain Bike
Motor	Peak 1000W Brushless Motor
Top Speed (Assisted)	Up to 28 MPH
Battery	48V 10.4 Ah Li-ion (UL Certified, 500.8 Watt Hours)
Range per Charge	40-55 miles (Pedal Assist Mode)
Charge Time	8-9 Hours
Gears	Shimano 21-Speed
Suspension	Front Fork Suspension
Brakes	Disc Brakes (Front & Rear)
Frame Material	Carbon Steel
Wheel Size	27.5 Inches (also available in 26 Inches)
Maximum Weight Recommendation	330 Pounds

Feature	Detail
Minimum User Height	64 Inches

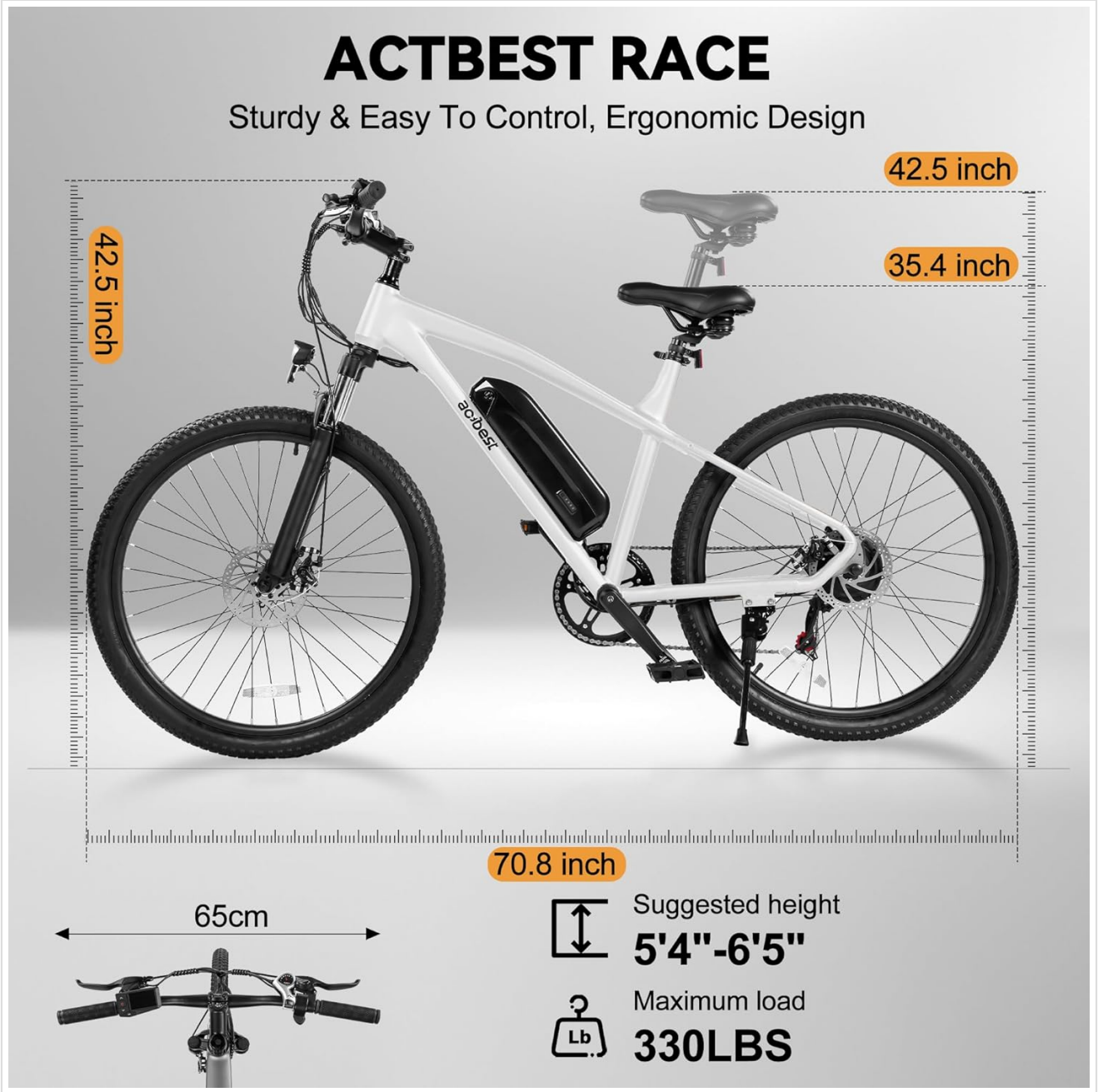

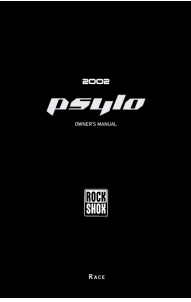





Image Description: A side profile of the ACTBEST Race Electric Bike with key dimensions labeled, including overall length, height, seat height, handlebar width, suggested rider height range, and maximum load capacity.

9. WARRANTY AND SUPPORT

The ACTBEST Race Electric Bike comes with a limited warranty. For specific warranty details, registration, or to obtain technical support, please refer to the warranty card included with your purchase or visit the official ACTBEST website. For any inquiries, contact ACTBEST customer service.

Related Documents - Race

	<p>Actbest AT54 Ebike User Manual - Operation and Safety Guide</p> <p>Comprehensive user manual for the Actbest AT54 Ebike, covering setup, operation, safety precautions, battery charging, maintenance, and troubleshooting.</p>
	<p>RockShox Judy Forks 2000 Owner's Manual: Installation, Tuning, and Maintenance Guide</p> <p>Comprehensive owner's manual for RockShox 2000 Judy Race, SL, XC, and XL bicycle forks. Includes installation, tuning, maintenance, safety, and warranty information.</p>
	<p>2002 RockShox Psylo Race Owner's Manual</p> <p>Comprehensive owner's manual for the 2002 RockShox Psylo Race bicycle fork, covering installation, performance tuning, maintenance, and warranty information.</p>
	<p>Ridley Bicycle Use and Maintenance Manual</p> <p>Comprehensive guide for using, maintaining, and troubleshooting your Ridley bicycle, covering safety, parts identification, types of bikes, fit, maintenance schedules, and warranty information.</p>
	<p>Manual de Usuario BH Lynx Race 2026</p> <p>Guía completa para el uso, mantenimiento y ensamblaje de la bicicleta BH Lynx Race 2026. Incluye información sobre garantía, especificaciones técnicas, advertencias de uso y recursos de soporte.</p>
	<p>Bosch eBike Drive Unit Manual: Performance Line CX, Cargo, CX Race Edition, Speed</p> <p>Official operating manual and technical specifications for Bosch eBike Drive Units, including Performance Line CX, Cargo, CX Race Edition, and Speed models. Features safety, assembly, operation, maintenance, and disposal guidelines.</p>



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2 https://www.youtube.com/playlist?list=PLQJGYnGRy4DoHfb4SwLLI2_LQis06hoEd
14 Take out the quick disconnecting rod and insert it into the front drum as shown in the figure. The safety washer is matched with the front fork hole. Take out the quick disconnecting rod and insert it ...

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[\[pdf\]](#) User Manual Accessories

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2 https://www.youtube.com/playlist?list=PLQJGYnGRy4DoHfb4SwLLI2_LQis06hoEd
The installation sequence of the front axle accessories is shown in the figure. Take out the quick disconnecting rod and insert it into the front drum as shown in the figure. The safety washer is matched wi...

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