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DEEPOWER R700

DEEPOWER R700 Electric Bicycle User Manual

Model: R700 | Brand: DEEPOWER

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1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and care of your DEEPOWER R700 Electric Bicycle. Please read this manual thoroughly before your first ride and keep it for future reference. Proper understanding of your bicycle's features and functions will ensure a comfortable and dynamic riding experience.



Image 1.1: The DEEPOWER R700 Electric Bicycle in action on a mountain trail.

Important Safety Notice

Before operating the DEEPOWER R700, ensure you are familiar with all local traffic laws and regulations regarding electric bicycles. Always wear a helmet and appropriate safety gear. Perform a pre-ride inspection as outlined in this manual before each use. Failure to follow safety guidelines may result in serious injury or property damage.

2. WHAT'S IN THE BOX

Upon unpacking your DEEPOWER R700 Electric Bicycle, please verify that all components listed below are present:

- Electric Bicycle × 1
- Battery × 1
- Charger × 1
- Fenders × 2
- Installation Kit × 1

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

3. SETUP AND ASSEMBLY

Your DEEPOWER R700 Electric Bicycle comes 90% pre-assembled from the factory. The remaining assembly steps are straightforward and can be completed by following these instructions.

3.1 Unpacking and Initial Inspection

1. Carefully remove the bicycle and all components from the packaging.
2. Inspect the bicycle for any visible damage that may have occurred during shipping.

3. Ensure all parts listed in the 'What's in the Box' section are present.

3.2 Handlebar Installation

Attach the handlebar to the stem, ensuring it is centered and tightened securely. Adjust the angle for comfortable riding posture.

3.3 Front Wheel and Fender Installation

Install the front wheel and fender. Ensure the quick-release skewer or axle nuts are properly tightened. The fender should be securely attached to prevent movement during riding.

3.4 Pedal Installation

Identify the left (L) and right (R) pedals. The left pedal has a reverse thread. Apply a small amount of grease to the threads and screw the pedals into the crank arms. Tighten them firmly with a wrench.

3.5 Seat Post and Saddle Adjustment

Insert the seat post into the frame and adjust the saddle height to ensure your feet can comfortably touch the ground when stopped, or for optimal pedaling efficiency. Secure the quick-release clamp or bolt firmly.

3.6 Battery Installation and Initial Charge

Insert the 52V 25Ah removable battery into its compartment. Ensure it clicks securely into place. Before your first ride, fully charge the battery using the provided charger. Refer to the 'Battery Management' section for detailed charging instructions.



Image 3.1: The removable 52V 25Ah battery, showing its capacity and charging time.

3.7 Tire Inflation

Inflate the 20"x4.0" fat tires to the recommended pressure indicated on the tire sidewall. Proper tire pressure is crucial for safety, performance, and battery range.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the bicycle, press and hold the power button on the LCD display. To power off, press and hold the same button until the display turns off.

4.2 Understanding the LCD Display

The intelligent LCD display provides real-time information:

- **Speed:** Current riding speed.
- **Mileage:** Total distance traveled or trip distance.
- **Battery Level:** Indicates remaining battery charge.
- **Assist Level:** Shows the current level of electric pedal assistance.



Image 4.1: The intuitive LCD display provides essential riding information at a glance.

4.3 Riding Modes

The DEEPOWER R700 offers three interchangeable riding modes, adaptable to various terrains and preferences:

- **Pedal-Only Mode:** Ride the bicycle like a traditional bike, using only your leg power.
- **Pedal-Assist Mode (PAS):** The motor provides assistance as you pedal. You can adjust the level of assistance via the LCD display. This mode offers a range of 80 to 115 km.
- **Full Electric Mode:** Use the throttle to engage the motor without pedaling. This mode offers a range of 50 to 70 km.



Image 4.2: Visual representation of the three distinct riding modes available on the R700.

4.4 Gear Shifting (Shimano 7-Speed)

The Shimano 7-speed shifting system allows for smooth transitions across different terrains. Use the shifter on the handlebar to select the appropriate gear for your speed and incline. Lower gears are for climbing, higher gears for flat terrain and speed.

4.5 Braking System (Hydraulic Disc Brakes)

The DEEPOWER R700 is equipped with high-performance hydraulic disc brakes for sensitive, powerful, and stable stopping power. Apply both brake levers simultaneously for optimal braking performance. Avoid sudden, hard braking, especially at high speeds or on loose surfaces.



Image 4.3: Detail of the hydraulic disc brakes, providing reliable stopping power.

5. BATTERY MANAGEMENT

5.1 Charging the Battery

- Ensure the bicycle is turned off before charging.
- Connect the charger to the charging port on the battery or directly to the removed battery.
- Plug the charger into a standard wall outlet.
- The charging indicator on the charger will show the charging status (e.g., red for charging, green for fully charged).
- A full charge typically takes 5-8 hours. Do not overcharge the battery.
- Always use the original charger provided by DEEPOWER.

5.2 Battery Care and Safety

- The 52V 25Ah lithium-ion battery features an integrated Battery Management System (BMS) to prevent

overcharging, over-discharging, and overheating.

- The battery has an IPX4 waterproof rating, ensuring reliable performance in various weather conditions, but avoid submerging it in water.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing the bicycle for an extended period, charge the battery to approximately 50-70% and recharge every 2-3 months to maintain battery health.

6. SAFETY GUIDELINES

6.1 Pre-Ride Checklist

Before each ride, perform the following checks:

- **Brakes:** Ensure both front and rear brakes are functioning correctly and levers are responsive.
- **Tires:** Check tire pressure and inspect for any damage or punctures.
- **Battery:** Verify the battery is securely installed and sufficiently charged.
- **Lights:** Confirm front and rear lights are working, especially for night riding.
- **Fasteners:** Check that all quick releases and bolts (handlebars, seat post, wheels) are securely tightened.

Front Suspension Fork 500LBS Shock Absorber



Image 6.1: The front suspension fork, crucial for absorbing impacts and ensuring a smooth ride.

6.2 Riding Safely

- Always wear a certified helmet and other protective gear (gloves, knee pads).
- Be aware of your surroundings and traffic.
- Use hand signals for turns and stops.
- The high-brightness front and rear lights enhance visibility during day and night. Ensure they are on when riding in low-light conditions.
- The 20"x4.0" fat tires provide excellent grip on various surfaces including city roads, sand, snow, mud, and gravel. However, always exercise caution on slippery or uneven terrain.

20"x4.0" Fat Tire

Suitable for Different Terrains



/ City / Mountain / Sand / Snow / Mud / Gravel /

Image 6.2: The 20"x4.0" fat tires are designed for stability and traction across diverse terrains.

6.3 Legal Compliance

While the DEEPOWER R700 Electric Bicycle has CE conformity documentation, local regulations regarding electric bicycle registration or licensing may vary. It is your responsibility to consult and comply with all applicable local laws before riding.

7. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DEEPOWER R700.

7.1 Cleaning

Clean your bicycle regularly with a damp cloth and mild soap. Avoid using high-pressure washers directly on electrical components, bearings, or the motor.

7.2 Brake System

Periodically check brake pads for wear and replace them when necessary. Ensure brake levers have proper tension and hydraulic lines are free from leaks.

7.3 Tires and Wheels

Regularly inspect tires for wear, cuts, or embedded objects. Maintain correct tire pressure. Check wheel spokes for tension and ensure wheels run true.

7.4 Chain and Drivetrain

Keep the chain clean and lubricated. Inspect gears and derailleur for proper function and alignment.

7.5 Suspension

Check the front suspension fork and rear hydraulic damping for proper function and adjust as needed for your weight and riding style.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEEPOWER R700. For problems not listed here, please contact customer support.

- **Bicycle not powering on:** Check if the battery is fully charged and properly installed. Ensure all connections are secure.
- **Motor not assisting:** Verify that pedal-assist mode is selected on the display. Check battery level. Ensure no error codes are displayed.
- **Brakes feel weak:** Inspect brake pads for wear. Check for air in hydraulic lines (may require professional service).
- **Unusual noises:** Stop riding immediately and inspect the source of the noise. It could indicate loose components, worn bearings, or drivetrain issues.

9. SPECIFICATIONS

Key technical specifications for the DEEPOWER R700 Electric Bicycle:

Feature	Specification
Model Number	R700
Brand	DEEPOWER
Motor	High-Efficiency Brushless Hub Motor
Battery	52V 25Ah Removable Lithium-ion (1300 Wh)
Charging Time	5-8 hours
Range (Full Electric)	50-70 km
Range (Pedal-Assist)	80-115 km
Gears	Shimano 7-Speed

Feature	Specification
Suspension	Dual (Front Suspension Fork, Rear Hydraulic Damping)
Brakes	Hydraulic Disc Brakes
Tires	20" x 4.0" Fat Tires
Waterproof Rating	IPX4
Max Load Capacity	330 lbs (150 kg)
Assembly Required	Yes (90% pre-assembled)
Recommended Age Range	Adults



Image 9.1: Dimensions and weight specifications for the DEEPOWER R700.



Image 9.2: The robust high-carbon steel frame with a carbon fiber finish, designed for durability and stability.



Image 9.3: The high-efficiency brushless hub motor, providing powerful and stable acceleration.

10. WARRANTY AND SUPPORT

10.1 Product Warranty

DEEPOWER offers an official 1-year warranty for the motor, battery, and frame of your R700 Electric Bicycle, starting from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your original purchase receipt as proof of purchase.

10.2 Customer Support

Our professional technical team is available to provide assistance. If you have any questions, concerns, or require troubleshooting support, please contact us via email. We aim to respond to all inquiries within 24 hours. To ensure full warranty and after-sales service, we recommend keeping the original product packaging.

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