

[Manuals.plus](#) /

› [DEEPOWER](#) /

› DEEPOWER H20pro Electric Folding Bicycle User Manual

DEEPOWER H20pro

DEEPOWER H20pro Electric Folding Bicycle User Manual

Model: H20pro | Brand: DEEPOWER

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your DEEPOWER H20pro Electric Folding Bicycle. Please read this manual thoroughly before using your e-bike and retain it for future reference.

2. SAFETY INFORMATION

Always prioritize safety when operating your e-bike. Adhere to all local traffic laws and regulations. Wear a helmet and appropriate safety gear. Regularly inspect your e-bike for any signs of wear or damage before each ride.

- Ensure brakes are functioning correctly.
- Check tire pressure before each ride.
- Verify battery is securely locked and charged.
- Do not ride under the influence of alcohol or drugs.
- Be aware of your surroundings and other road users.

3. PACKAGE CONTENTS

Upon unboxing, ensure all components are present and undamaged. The package typically includes:

- DEEPOWER H20pro Electric Folding Bicycle (partially assembled)
- Removable 48V 25Ah Battery
- Battery Charger
- Tool Kit
- Fenders
- Rear Rack
- Reflectors
- User Manual
- Pedals

- Front Light



Figure 1: DEEPOWER H20pro Electric Folding Bicycle and included accessories after unboxing.

4. SETUP AND ASSEMBLY

Your DEEPOWER H20pro e-bike comes 85% pre-assembled. Follow these steps to complete the assembly:

4.1 Unboxing and Initial Inspection

Carefully remove the bicycle and all components from the packaging. Inspect for any shipping damage. Remove all protective packaging materials.

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Video 1: This video demonstrates the unboxing and assembly process for the DEEPOWER H20pro Electric Folding Bicycle, including attaching the front wheel, handlebars, pedals, and front light.

4.2 Handlebar Installation

1. Unfold the handlebar stem and secure the quick-release lever.
2. Adjust the handlebar height to your preference and tighten the stem clamp bolts using the provided tools.
3. Ensure the display and controls are correctly oriented and tightened.

4.3 Front Wheel Installation

1. Align the front wheel with the fork dropouts, ensuring the brake rotor slides correctly into the brake caliper.
2. Insert the quick-release skewer or axle bolt through the wheel hub and tighten securely.
3. Ensure the wheel spins freely without rubbing against the brake pads.

4.4 Pedal Installation

Identify the left (L) and right (R) pedals. The right pedal tightens clockwise, and the left pedal tightens counter-clockwise. Use a wrench to securely fasten them.

4.5 Front Light Installation

Attach the front light to the designated mounting point on the front fork or handlebar stem. Secure it with the provided screws and tools.

4.6 Battery Installation and Removal

The 48V 25Ah removable battery is integrated into the frame. To install, slide the battery into its compartment until it clicks into place. Use the key to lock it. To remove, unlock with the key and slide it out. This allows for convenient off-bike charging.



Figure 2: The removable 48V 25Ah lithium-ion battery, offering 75-110 KM range and 5-6 hours charging time.



Figure 3: Demonstrating the removal of the integrated battery for charging or storage.

5. OPERATING YOUR E-BIKE

5.1 Powering On/Off and Display

Press and hold the power button on the LCD display to turn the e-bike on or off. The intelligent LCD display shows speed, battery level, distance traveled, and any fault codes. It also allows you to select riding modes and adjust pedal-assist levels.

INTELLIGENT LCD DISPLAY



Figure 4: The intelligent LCD display provides real-time information such as current speed, battery indicator, PAS level, and total mileage.



LCD Digital Display

Accurately displays battery level, current gear, driving speed, total mileage and fault codes. The practical display always lets you know how far you can go.

Figure 5: The LCD digital display accurately shows battery level, current gear, driving speed, total mileage, and fault codes, providing practical information for your ride.

5.2 Riding Modes

The DEEPOWER H20pro offers three riding modes:

- **Electric-only Mode:** Use the throttle for full electric power without pedaling.
- **Pedal-assist Mode:** The motor provides assistance as you pedal, with adjustable levels of assistance.
- **Pedal-only Mode:** Ride the bike like a traditional bicycle without motor assistance.



Figure 6: The DEEPOWER H20pro features three riding modes: electric-only, pedal-assist, and pedal-only, offering versatility for different riding preferences.

5.3 Gear Shifting

The e-bike is equipped with a 7-speed Shimano gear system. Use the shifters on the handlebar to change gears, adapting to different terrains and riding conditions. Shift smoothly to avoid strain on the drivetrain.



Shimano 7-Speed Gears

Wider gear shift range to cope with complex terrain; sensitive gear shifting, strong speed, easier uphill and relieve leg fatigue.

Figure 7: The Shimano 7-speed gears provide a wider gear shift range for complex terrain, sensitive gear shifting, strong speed, easier uphill riding, and reduced leg fatigue.

5.4 Riding on Various Terrains

The DEEPOWER H20pro is designed with 20" x 4.0" fat tires and dual suspension, making it suitable for various terrains including

snow, sand, mountain roads, and city streets. Adjust your speed and riding style according to the terrain.



Figure 8: The 20" x 4.0" all-terrain fat tires provide good elasticity and smooth rolling, adapting easily to various road surfaces like snow, sand, mountain, and city roads.



20" x 4 Off Road Fat Tire
Adapts easily to a variety of terrains
and provides good traction and support.

Figure 9: Detail of the 20" x 4.0" off-road fat tire, designed for excellent traction and support across diverse terrains.

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Video 2: This video showcases the DEEPOWER H20pro Electric Folding Bicycle being ridden on various terrains, highlighting its versatility and performance.

6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your DEEPOWER H20pro e-bike.

6.1 Battery Care

- Charge the battery fully before the first use.
- Avoid completely draining the battery. Recharge after each ride.
- Store the battery in a cool, dry place when not in use, and charge it periodically if stored for extended periods.

6.2 Tire Pressure

Maintain recommended tire pressure (usually indicated on the tire sidewall) for optimal performance, safety, and battery range. Check pressure before each ride.

6.3 Brake Adjustment

The e-bike features hydraulic disc brakes for excellent stopping power. If you hear a "rustling" sound from the brakes, they may need adjustment. Follow the steps in the video below to adjust the brake clamp so it does not contact the brake disc.

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Video 3: This video provides a step-by-step guide on how to adjust the brake disc to eliminate rustling sounds and ensure proper brake function.

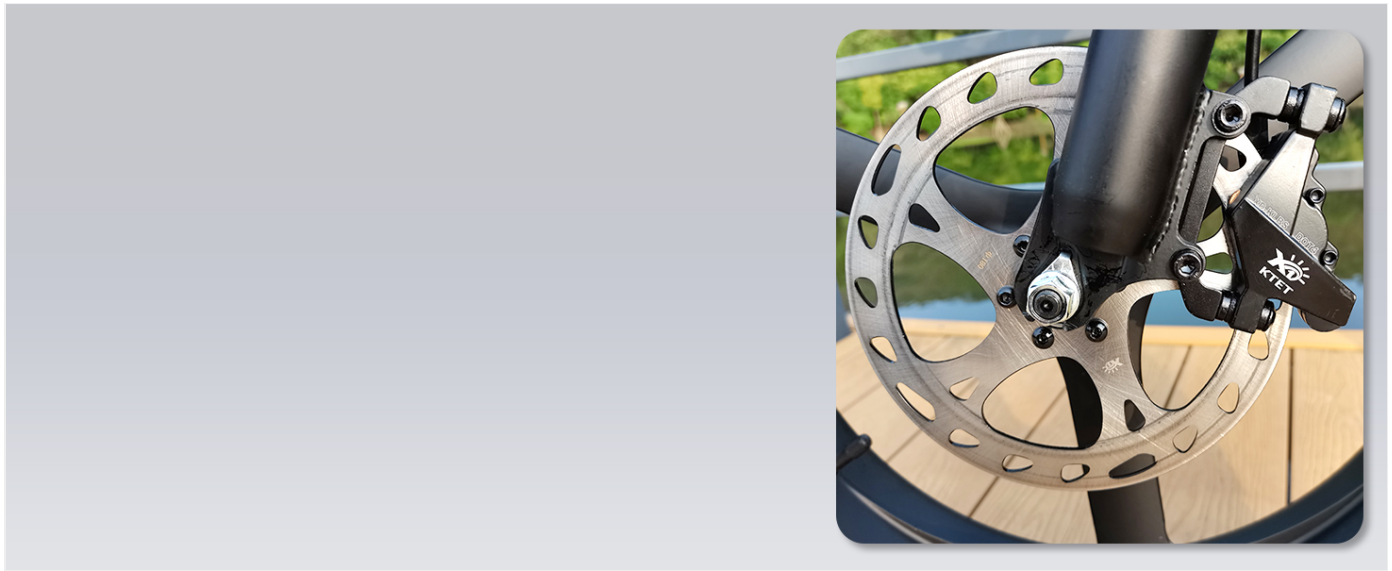


Figure 10: The front hydraulic disc brake system, providing reliable and responsive stopping power.

6.4 General Cleaning and Lubrication

Clean your e-bike regularly with a damp cloth. Avoid high-pressure washing directly on electrical components. Lubricate the chain and moving parts as needed to ensure smooth operation.



Figure 11: The dual front and rear LED lights ensure visibility and safety during night rides.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your DEEPOWER H20pro e-bike.

Problem	Possible Cause	Solution
E-bike does not power on	Low battery, loose battery connection, power button issue.	Charge the battery. Ensure the battery is securely installed and locked. Check power button connection.
Motor not assisting	Low battery, PAS level set to zero, sensor issue.	Check battery level. Increase PAS level on the display. Inspect pedal-assist sensor.
Brakes making noise	Misaligned brake caliper, worn brake pads.	Adjust brake caliper (refer to Maintenance section). Replace brake pads if worn.

Problem	Possible Cause	Solution
Difficulty shifting gears	Derailleur misalignment, stretched cable.	Adjust derailleur. Check and adjust gear cable tension.

8. SPECIFICATIONS

Key technical specifications for the DEEPOWER H20pro Electric Folding Bicycle:

- **Model Number:** H20pro
- **Brand:** DEEPOWER
- **Motor:** 250W Rear-mounted Brushless Motor (57N.M Torque)
- **Battery:** Removable 48V 25Ah Lithium-ion
- **Range:** 75-110 km per charge
- **Charging Time:** 5-6 hours
- **Max Speed:** 25 KM/H
- **Frame Material:** Aluminum
- **Wheel Size:** 20 inches
- **Tires:** 20" x 4.0" Fat Tires
- **Brake Type:** Hydraulic Oil Brakes (Front and Rear)
- **Suspension Type:** Dual Suspension (Adjustable Front Suspension, Central Shock Absorber)
- **Number of Speeds:** 7 (Shimano)
- **Riding Modes:** Electric-only, Pedal-assist, Pedal-only
- **Display:** Intelligent LCD Digital Display
- **Features:** Digital Display, Durable, Foldable, Multiple Speed, Oil Brake
- **Recommended Age:** Adults
- **Load Capacity:** Max 330 lbs (approx. 150 kg)
- **Product Weight:** 63.9 lbs (approx. 29 kg)
- **Included Components:** Reflectors, Tool Kit, Fenders, Rear Rack



Figure 12: Detailed dimensions and load capacity information for the DEEPOWER H20pro, including recommended height and product weight.

9. WARRANTY AND SUPPORT

DEEPOWER offers a comprehensive warranty for your H20pro Electric Folding Bicycle:

- **One-Year Warranty:** Covers major e-bike components including the battery, motor, controller, and display.
- **Six-Month Warranty:** Applies to all other parts.

It is recommended to retain the original packaging in case of returns or warranty claims. For further assistance or technical support, please contact DEEPOWER customer service.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question