

DEEPOWER K100

DEEPOWER Mini Electric Bike K100 User Manual

MODEL: K100

1. Introduction

Welcome to the DEEPOWER Mini Electric Bike K100 user manual. This document provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new electric bicycle. Please read this manual thoroughly before your first ride and retain it for future reference.

The DEEPOWER K100 is a compact, foldable electric bike designed for urban commuting and leisure, featuring a 400W motor, 48V 10Ah removable battery, and 14-inch wheels.

2. Safety Information

Your safety is paramount. Adhere to all safety guidelines to prevent injury or damage.

- Always wear a helmet and appropriate safety gear while riding.
- Perform a pre-ride inspection: check brakes, tire pressure, battery charge, and ensure all components are securely fastened.
- Obey all local traffic laws and regulations.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Keep hands and feet away from moving parts.
- Ensure the battery is charged in a well-ventilated area and avoid overcharging.

3. Product Overview

The DEEPOWER K100 electric bike is equipped with several features for a convenient riding experience.



Figure 3.1: Overview of the DEEPOWER Mini Electric Bike K100.

Key Components:

- **400W Motor:** Provides propulsion up to 20 MPH and assists with inclines up to 25 degrees.
- **48V 10Ah Removable Battery:** Offers a range of 30-45 KM in PAS mode.
- **14-inch Aluminum Alloy Wheels:** Equipped with rubber tires for shock absorption and traction.
- **High Carbon Steel Frame:** Durable and robust construction.
- **Folding Design:** Allows for compact storage and transport.
- **Front Suspension:** Enhances riding comfort.
- **Disc Brakes:** Provides reliable stopping power.

400W Microsound MOTOR FOR EFFICIENT ENERGY UTILIZATION



20MPH
Max Speed



<55dB
Microsound



25°
Slope



Figure 3.2: Illustration of the 400W motor and disc brake system, highlighting efficient energy utilization and quiet operation.



Figure 3.3: Detailed view of the handlebar controls, including the lamp switch, phone stand, brake rod, display, indicator, horn button, speed gear selector, USB port, key hole, and accelerator.



Dual Lights



Foldable Pedals



Rear Seat



Folding Handlebar

Figure 3.4: Visual representation of additional features such as dual lights for visibility, foldable pedals for compact storage, a rear seat for an additional passenger, and a folding handlebar for portability.

4. Setup and Assembly

The DEEPOWER K100 requires some assembly upon arrival. A tool kit is included.

4.1 Unboxing

Carefully remove the electric bike and all components from the packaging. Inspect for any shipping damage. Retain packaging for potential future transport or returns.



Figure 4.1: The DEEPOWER electric bike as received in its original shipping box.



Figure 4.2: The DEEPOWER electric bike unboxed, ready for initial assembly and inspection.

4.2 Initial Assembly and Adjustments

1. **Unfolding the Frame:** Release the frame latch and carefully unfold the bike until the frame locks into place. Ensure the latch is securely engaged.
2. **Handlebar Setup:** Raise the handlebar stem and secure it. Adjust the handlebar height to a comfortable position and tighten the quick-release lever.
3. **Seat Post Adjustment:** Insert the seat post into the frame. Adjust the seat height to allow for a slight bend in your knee when the pedal is at its lowest point. Secure with the quick-release lever.
4. **Pedal Installation:** Attach the pedals to the crank arms. Note that pedals are typically marked 'L' for left and 'R' for right. The left pedal tightens counter-clockwise, and the right pedal tightens clockwise.
5. **Battery Installation:** Insert the 48V 10Ah removable battery into its compartment. Ensure it clicks into place securely.



Figure 4.3: Close-up view of the removable battery compartment on the DEEPOWER electric bike.

4.3 Battery Charging

Before your first ride, fully charge the battery. The charging time is approximately 4-5 hours.

- Connect the charger to the battery charging port.
- Plug the charger into a standard electrical outlet.
- The indicator light on the charger will change (e.g., from red to green) when charging is complete.
- Disconnect the charger once fully charged.

5. Operating Instructions

5.1 Powering On/Off

Insert the key into the keyhole on the handlebar and turn it to the 'ON' position to activate the bike's electrical system. The display will illuminate. To power off, turn the key to the 'OFF' position.



Figure 5.1: The ignition keys for the DEEPOWER electric bike, used to power on the system.

5.2 Riding Modes

The DEEPOWER K100 offers multiple riding modes:

- **Pedal Assist System (PAS):** The motor provides assistance as you pedal. Use the 'M' button on the LCD display to select from 3 speed levels.
- **Throttle Mode:** Engage the throttle on the handlebar to propel the bike without pedaling.
- **Manual Mode:** Ride the bike like a traditional bicycle without any motor assistance.

5.3 Speed Selection

Press the 'M' button on the LCD display to cycle through the 3 available speed settings for pedal assist or throttle mode.

5.4 Braking

The bike is equipped with disc brakes. Squeeze the brake levers on the handlebars to slow down or stop. Apply both brakes simultaneously for balanced stopping power.

5.5 Lights and Horn

Use the lamp switch on the handlebar to turn the front and rear lights on or off. Press the horn button to alert others.

5.6 Folding and Unfolding

To fold the bike, ensure the power is off. Release the frame and handlebar latches, then carefully fold the frame and handlebar stem. The foldable pedals also contribute to a more compact form factor.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your electric bike.

6.1 Battery Care

- Charge the battery regularly, even if not in use, to maintain its health.
- Avoid completely draining the battery.
- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, charge the battery to 50-70% capacity.

6.2 Tire Pressure

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

6.3 Brake Inspection

Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace components as needed.

6.4 General Cleaning

Clean the bike with a damp cloth and mild detergent. Avoid using high-pressure washers directly on electrical components. Lubricate the chain periodically.



Figure 6.1: View of the rear wheel, motor, and chain, areas requiring regular inspection and maintenance.

7. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Bike does not power on	Battery not installed correctly; Battery discharged; Key not in 'ON' position	Ensure battery is seated; Charge battery; Turn key to 'ON'
Motor not assisting	PAS level too low; Throttle not engaged; Brake levers engaged	Increase PAS level; Engage throttle; Release brake levers fully
Battery not charging	Charger not connected; Power outlet issue; Damaged charger/battery	Check connections; Test outlet; Contact support if damaged
Brakes feel weak	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable)	Inspect/replace pads; Adjust cable tension; Seek professional service

8. Specifications

Technical specifications for the DEEPOWER Mini Electric Bike K100.

Feature	Specification
Bike Type	Electric Bike
Model Name	K100
Motor Power	400W
Max Speed	20 MPH

Feature	Specification
Battery	48V 10Ah Li-ion (Removable)
Charging Time	4-5 hours
Max Mileage (PAS)	30-45 KM
Frame Material	High Carbon Steel
Wheel Size	14 Inches
Wheel Material	Aluminum
Brake Style	Disc
Suspension Type	Front
Number of Speeds	3 (Electronic)
Folded Size	Approx. 27x17x26 inches
Assembly Required	Yes
Included Components	Tool Kit



9. Warranty and Support





The DEEPOWER Mini Electric Bike K100 comes with a 90-day warranty from the date of purchase. This warranty covers manufacturing defects under normal use.

For warranty claims, technical support, or inquiries regarding parts and service, please contact DEEPOWER customer service through the retailer where the product was purchased or refer to the contact information provided with your purchase documentation.

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Related Documents - K100

	<p>Deepower S20 Electric Bike User Manual: Assembly, Operation, and Safety Guide</p> <p>Comprehensive user manual for the Deepower S20 electric bike, covering assembly instructions, operational guidelines, safety precautions, maintenance tips, troubleshooting, and warranty information.</p>
	<p>DEEPOWER S26 E-Bike User Manual</p> <p>User manual for the DEEPOWER S26 electric bicycle, detailing assembly, charging, operation, safety, maintenance, and specifications. Includes warranty information.</p>

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