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› WINDHORSE Electric Bike User Manual

WINDHORSE W2B

WINDHORSE Electric Bike User Manual

Model: W2B
Brand: WINDHORSE

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation of your WINDHORSE W2B Electric Bike. Please read this manual thoroughly before your first ride and keep it for future reference. The WINDHORSE W2B Electric Bike features a 630W peak motor, offering speeds up to 25 MPH and a range of 19-35 miles on a single charge. It is designed for both commuting and leisure, featuring a foldable design for easy storage and transport, dual braking system, and comfortable seating.

2. SAFETY INFORMATION

Always prioritize safety when operating your electric bike. Failure to follow safety guidelines can result in serious injury or property damage.

- Always wear a helmet and appropriate safety gear.
- Familiarize yourself with local traffic laws and regulations regarding electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.
- Do not ride under the influence of alcohol or drugs.
- Avoid riding in adverse weather conditions or on slippery surfaces.
- Ensure all components are securely fastened before riding.
- Do not exceed the maximum load capacity of 265 lbs.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- WINDHORSE W2B Electric Bike
- Charger
- Charger Cable
- User Manual (this document)

- Tools for assembly
- Pedals (2)

PACKING LIST



Adapter*1



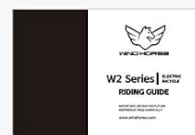
AC Line*1



Tools*2



Pedal*2



Manual*1



Figure 3.1: Included components in the WINDHORSE W2B package.

4. SETUP AND INITIAL ASSEMBLY

Your WINDHORSE W2B Electric Bike comes mostly pre-assembled. Follow these steps for final setup:

1. 4.1 Unfolding the Bike

Carefully remove the bike from its packaging. Unfold the main frame and secure the locking mechanism. Ensure the handlebar stem is upright and locked into position.



Figure 4.1: Unfolded and folded dimensions of the bike.

2. 4.2 Handlebar Adjustment

Adjust the handlebar height to a comfortable riding position. Ensure the quick-release lever is securely tightened after adjustment.

Your browser does not support the video tag.

Video 4.1: Demonstration of handlebar adjustment and initial setup steps.

3. 4.3 Pedal Installation

Identify the left (L) and right (R) pedals. Thread them into the crank arms by hand first, then tighten securely with the provided tools. Note that the left pedal threads counter-clockwise.

4. 4.4 Seat Adjustment

Adjust the seat height for optimal comfort and pedaling efficiency. Ensure the quick-release lever is firmly closed.



Figure 4.2: The adjustable comfort seat for personalized riding.

5. 4.5 Battery Charging

Before your first ride, fully charge the 288Wh lithium-ion battery. The charging time is approximately 3-4 hours. The battery can be charged while installed on the bike or removed for convenience.

STRONG CLIMBING ABILITY

PEAK POWER 630W, THAN LESS THAN 4 HOURS FAST CHARGE



Figure 4.3: Battery charging options and specifications.

5. OPERATING INSTRUCTIONS

1. 5.1 Powering On/Off

Insert the key into the ignition and turn it to the 'ON' position. The display will illuminate. To turn off, turn the key to the 'OFF' position.

2. 5.2 Riding Modes

The WINDHORSE W2B offers different riding modes:

- **Pedal Assist Mode (PAS):** Provides electric assistance as you pedal. The level of assistance can be adjusted via the controls on the handlebar. This mode extends your range up to 35 miles.



Figure 5.1: Pedal Assist mode enhances riding comfort.

- **Pure Electric Mode:** Use the throttle for full electric power without pedaling. This mode provides a range of up to 19 miles.
- **Manual Mode:** Ride the bike like a traditional bicycle without any electric assistance.

3. 5.3 Braking System

The bike is equipped with front and rear mechanical disc brakes for reliable stopping power. Apply both brakes simultaneously for effective and safe braking.



Figure 5.2: Key features including the dual disc brakes.

4. 5.4 Lighting

The bike features a bright LED headlight and a tail light for improved visibility, especially during night rides. Ensure they are functioning correctly before riding in low-light conditions.



REAR SEAT

Figure 5.3: The LED headlight provides clear vision.

5. 5.5 Folding for Storage/Transport

To fold the bike, release the frame and handlebar stem locking mechanisms. Carefully fold the bike until it is compact. This design makes it easy to store or transport in a car trunk or on public transport.



Figure 5.4: The bike's foldable design for easy storage.

6. MAINTENANCE

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

- **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.
- **Tire Pressure:** Check tire pressure before each ride. Maintain recommended PSI for optimal performance and safety. The 16-inch tires are puncture-resistant.
- **Brake Inspection:** Regularly check brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Cleaning:** Clean the bike with a damp cloth. Avoid using high-pressure water jets directly on electrical components.
- **Fasteners:** Periodically check and tighten all bolts and fasteners, especially on the handlebars, seat post, and folding mechanisms.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bike does not power on	Battery not charged, key not fully turned, loose connection.	Charge battery, ensure key is fully engaged, check all cable connections.
Motor not assisting	Low battery, pedal assist level too low, brake lever engaged.	Charge battery, increase pedal assist level, ensure brake levers are fully released.
Brakes feel weak	Worn brake pads, loose brake cable.	Inspect and replace brake pads if worn. Adjust brake cable tension.
Unusual noises during ride	Loose components, chain issues, motor issue.	Check all fasteners. Lubricate chain. If noise persists, contact customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	W2B
Bike Type	Electric Bike, Folding Bike
Motor	630W Peak Motor
Max Speed	Up to 25 MPH
Battery	288Wh Lithium-Ion Battery
Range (Pure Electric)	Up to 19 miles
Range (Pedal Assist)	Up to 35 miles
Charging Time	3-4 hours

Feature	Detail
Wheel Size	16 Inches
Frame Material	Carbon Steel
Brake Style	Dual Mechanical Disc Brakes
Suspension Type	Front
Bicycle Weight	52.8 lbs
Max Load Capacity	265 lbs
Recommended User Height	5.25-6.23 FT



Figure 8.1: Key dimensions and weight specifications.

POWERFUL MOTOR



25MPH
MAX POWER



630W
PEAK MOTOR



288Wh
BATTERY



30°
GRADEABILITY



Figure 8.2: Powerful motor and battery details.

9. WARRANTY AND SUPPORT

The WINDHORSE W2B Electric Bike comes with a **12-month limited warranty**. This warranty covers manufacturing defects and material flaws under normal use. It does not cover damage caused by misuse, accidents, or unauthorized modifications.

For any after-sales questions, technical support, or warranty claims, please contact WINDHORSE customer service. Our after-sales services are located in the USA to provide prompt assistance.

Please refer to the official WINDHORSE website or your purchase documentation for detailed warranty terms and contact information.

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