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> WINDHORSE City Electric Bike F2 User Manual

WINDHORSE F2

WINDHORSE City Electric Bike User Manual

MODEL: F2

1. Introduction

This manual provides essential information for the safe and efficient operation, assembly, and maintenance of your WINDHORSE City Electric Bike, Model F2. Please read this manual thoroughly before your first ride to ensure proper usage and to maximize the lifespan of your e-bike. Keep this manual for future reference.



Image: The WINDHORSE City Electric Bike F2 in use, demonstrating its suitability for various terrains.

2. Safety Information

Your safety is paramount. Always wear a helmet and appropriate safety gear when riding. Adhere to all local traffic laws and regulations. Perform a pre-ride inspection before each use, checking brakes, tires, and battery level.

Battery Safety

- The 36V 468WH lithium-ion battery is IPX5 waterproof, but avoid submerging it.

- Always charge your e-bike fully before riding.
- During charging, a red light indicates charging in progress. A green light indicates the battery is fully charged or there is a connection issue. If the light is green and the battery is not full, check the charging port connection.
- The battery has UL certification and a BMS system for safety. Use only the provided charger.

3. Package Contents

Upon unboxing, please verify that all the following components are included:

- WINDHORSE City Electric Bike F2 (85% pre-assembled)
- Adjustable Saddle
- Double Disc Brakes (pre-installed)
- Headlight (pre-installed)
- Hydraulic Damper (part of suspension)
- Tool Kit for assembly
- User Manual (this document)
- Pedals
- Battery Charger

4. Assembly

Your WINDHORSE F2 electric bike arrives 85% pre-assembled. The remaining assembly steps typically involve attaching the front wheel, handlebars, seat post, and pedals. A tool kit and detailed instructions are included in the package. An assembly video is also available for visual guidance.

Ensure all bolts and quick releases are securely tightened before your first ride. If you are unsure about any assembly step, please consult a professional bicycle mechanic.

5. Operating Instructions

5.1 Battery and Range

The F2 is equipped with a removable 36V 468WH lithium-ion battery, providing a range of 35-50 miles in pedal-assist mode and 25-30 miles in throttle mode per charge. Full charging takes approximately 6-7 hours. The battery is integrated into the frame and features an anti-theft lock.



Image: Visual representation of the 468WH removable battery and its estimated range in different riding modes.

5.2 Motor and Speed

The e-bike features a robust 350W (750W peak) high-speed brushless motor, enabling a top speed of 20 MPH. This motor provides instant acceleration for efficient commuting and enjoyable rides.



Image: Detailed view of the 750W peak brushless motor, highlighting its power delivery.

5.3 Riding Modes and Gearing

The F2 offers 5 working modes and 3 pedal-assist levels to adapt to various riding conditions and preferences:

- **Throttle Mode:** Provides power without pedaling.
- **Normal Bike Mode:** No electric assist, functions as a regular bicycle.
- **Pedal Assist Mode (PAS):** Motor provides assistance based on your pedaling effort (3 levels).
- **Push Assist Mode:** Provides low-speed assistance for walking the bike.
- **Cruise Mode:** Maintains a steady speed. Activate by holding a steady speed for 10+ seconds; braking cancels it.

The professional Shimano 7-speed shifting system allows for effortless gear changes, providing adaptability for various terrains and inclines.

MULTIPLE RIDING MODES

The 3.5" LCD screen with IP67 waterproof and dustproof rating offers a more focused and clear view of your riding status.



Throttle Mode



Cruise Mode



Pedal Assist Mode



Walk Assist Mode



Pedal Only



CRUISE MODE

When the e-bike's cruise mode is active, this level number will blink continuously. Hold steady speed for 10+ seconds to activate cruise; braking cancels it.

Image: The LCD display indicating cruise mode, which can be activated by holding a steady speed.

7 SPEEDS, EFFORTLESS SHIFTS

The 7-speed gearing enables smooth shifting, quick acceleration on level ground, and lets you set your own comfortable pace.



Image: Illustration of the 7-speed gearing system, designed for smooth and effortless shifts.

5.4 Advanced Colorful Display

The 3.5-inch large LCD display provides clear information on battery level, speed, distance, and PAS level. With an IP67

waterproof and dustproof rating, it ensures a focused and clear view of your riding status in various conditions.

5.5 Brakes and Suspension

The e-bike is equipped with dual disc brakes (front and rear) for reliable stopping power and enhanced safety. The lockable front suspension fork absorbs shocks from rough surfaces, providing a more comfortable ride. The suspension can be locked for efficiency on smooth terrain and unlocked for comfort on bumps.



Image: The front suspension system, illustrating its ability to absorb impacts for a smoother ride.



Image: The dual disc brake system, providing effective and reliable stopping power.

5.6 Lights and Fenders

The e-bike features LED headlights, a rear light, and three reflectors for improved visibility, especially during night rides. The horn is also functional even in regular bike mode, provided the battery has sufficient charge. Full-coverage fenders protect you from splashes and debris in wet conditions.

LIGHT UP YOUR RIDE

The LED headlights, rear light, and three reflectors provide clear illumination of the road ahead around the clock.

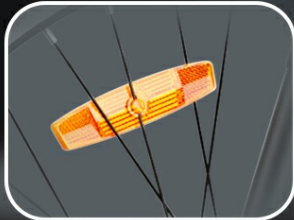


Image: The integrated lighting system, ensuring visibility and safety during rides.

FENDERS WITH COMPLETE COVERAGE

The fenders protect you from the effects of bad weather, so you don't have to worry about going through puddles.



Image: The full-coverage fenders, designed to protect the rider from water and mud splashes.

5.7 Tires

The 26" * 1.95" Chao Yang tires offer a larger diameter for a smoother ride over rough surfaces and provide better grip and traction, enhancing handling and safety across various road conditions.

26"*1.95" CHAO YANG TIRE FOR COMFORT

The larger diameter allows for a smoother ride over rough surfaces, while the width offers better grip and traction. This makes it easier to handle and safer to ride, especially in various road conditions.



Image: The 26-inch Chao Yang tire, emphasizing its design for comfort and traction.

6. Maintenance

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

- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Store in a cool, dry place.
- **Tire Pressure:** Check tire pressure before each ride and inflate to the recommended PSI (found on the tire sidewall).
- **Brakes:** Regularly inspect brake pads for wear and ensure brake levers provide firm and responsive stopping power. Adjust or replace as needed.
- **Chain:** Keep the chain clean and lubricated to ensure smooth shifting and prevent wear.
- **General Cleaning:** Clean the bike with a damp cloth. Avoid high-pressure washing directly on electrical components.
- **Fasteners:** Periodically check all bolts, nuts, and quick releases for tightness.

7. Troubleshooting

This section addresses common issues you might encounter.

Problem	Possible Cause	Solution
Bike not powering on	Battery not charged; Battery not properly seated; Power button not pressed correctly.	Charge battery fully; Ensure battery is securely locked in place; Press and hold power button.
Motor not assisting	PAS level set to 0; Throttle not engaged; Brake levers engaged; Motor connection issue.	Increase PAS level on display; Ensure throttle is fully engaged; Release brake levers; Check motor cable connection.
Charging light remains red or green unexpectedly	Red light: Charging in progress. Green light: Fully charged or connection issue.	If green and not fully charged, check the charging port and cable connection. Ensure charger is plugged into both wall and bike.
Brakes feel weak	Worn brake pads; Loose brake cable; Air in hydraulic system (if applicable).	Inspect and replace brake pads; Adjust brake cable tension; Consult a professional for hydraulic brake bleeding.

8. Specifications

Key technical specifications for the WINDHORSE City Electric Bike F2:

- **Model Name:** F2
- **Bike Type:** City Bike, Electric Bike
- **Age Range:** Adult
- **Brand:** WINDHORSE
- **Motor:** 350W (750W Peak) High-Speed Brushless Motor
- **Battery:** 36V 468WH Lithium-ion (Removable, IPX5 Waterproof, UL Certified)
- **Max Speed:** 20 MPH

- **Range:** 35-50 miles (Pedal Assist), 25-30 miles (Throttle)
- **Charging Time:** 6-7 Hours
- **Gearing:** Shimano 7-Speed
- **Brakes:** Dual Disc Brakes
- **Suspension:** Lockable Front Fork Suspension
- **Display:** 3.5-inch LCD (IP67 Waterproof & Dustproof)
- **Wheel Size:** 26 Inches
- **Tires:** 26" x 1.95" Chao Yang
- **Frame Material:** Carbon Alloy (Step-Thru design)
- **Item Weight:** 52.8 Pounds
- **Maximum Weight Recommendation:** 330 Pounds
- **Minimum User Height:** 63 Inches (5'3")
- **Color:** White
- **Included Components:** Adjustable saddle, Double Disc Brakes, Headlight, Hydraulic damper, Seat, Tool Kit, Manual, Pedals, Charger



750W Peak Power
36V 13Ah



Max Speed
20 MPH



Frame
Step-Thru



Front Fork+Post
Suspension
X2



35-50 Miles
Per Charge



5 Riding Modes



180MM Dual Disc Brakes

Two Colors

CHARCOAL

PEARL WHITE

Image: An overview of the e-bike's main features and specifications.

MORE OPTIONS FOR CARRYING

The maximum payload capacity is 330lbs, which makes it perfect for adding a cargo bag, basket or seat to transport goods or passengers.



330lbs
Totally Payload Capacity



Step-Thru
High-Carbon Steel



Image: The e-bike's design allows for additional cargo, with a total payload capacity of 330 lbs.

9. Warranty and Support

The WINDHORSE City Electric Bike F2 comes with a **1-Year Warranty** from the date of purchase, covering manufacturing defects. Please retain your original purchase receipt for warranty claims.

For any questions, technical assistance, or warranty inquiries, please contact our customer support team. We aim to respond to all inquiries within 24 hours.

Important: Please keep the original packaging box for at least 30 days in case a return or service is required.

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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.

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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