

## ONESPORT OT16-2

# ONESPORT OT16-2 Electric Folding Bike User Manual

Model: OT16-2

## 1. INTRODUCTION

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Thank you for choosing the ONESPORT OT16-2 Electric Folding Bike. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your new e-bike. Please read it thoroughly before your first ride to ensure optimal performance and safety.

The ONESPORT OT16-2 is a versatile 20-inch portable E-City folding electric bike designed for adults. It features a powerful 250W brushless motor, a high-capacity 48V 17Ah removable battery, an intuitive LCD display, and Bluetooth APP connectivity for enhanced control and monitoring. Its foldable design makes it ideal for commuting, leisure rides, and easy storage.



**Figure 1.1:** The ONESPORT OT16-2 Electric Folding Bike in its unfolded state, showcasing its robust design and integrated components.

# PERFECT FOR COMMUTING



Figure 1.2: A user enjoying a ride on the ONESPORT OT16-2 Electric Folding Bike, highlighting its suitability for urban and leisure environments.

## 2. SAFETY INFORMATION

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Your safety is paramount. Always adhere to the following safety guidelines:

- Always wear a certified helmet when riding.



- Familiarize yourself with local traffic laws and regulations for electric bikes.
- Perform a pre-ride inspection before each use, checking brakes, tires, battery, and lights.
- Do not ride under the influence of alcohol or drugs.
- Adjust the seat and handlebars to a comfortable and safe riding position.
- Be aware of your surroundings and ride defensively.
- Avoid riding in extreme weather conditions or on slippery surfaces.
- Do not exceed the maximum load capacity of 330 lbs (150 kg).

### 3. COMPONENTS OVERVIEW

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The ONESPORT OT16-2 is equipped with high-quality components designed for performance and durability:

- **Motor:** 250W brushless motor, providing powerful and efficient assistance up to 15.5 MPH (25 km/h) and a 20-degree climbing capability.



**Figure 3.1:** Detailed view of the 250W brushless motor, engineered for quiet operation and strong climbing ability.

- **Battery:** Removable 48V 17Ah lithium-ion battery, offering a range of up to 60 km in electric mode and up to 120 km in pedal-assist mode on a full charge. The battery is waterproof and features a protection switch/lock.

# SUPERE ENDURANCE

## REMOVABLE BATTERY



Figure 3.2: Close-up of the removable 48V 17Ah battery, designed for easy charging and security.

- **Display:** Smart LCD screen that provides real-time information including speed, battery power, pedal-assist levels, and mileage.



Figure 3.3: The intelligent LCD display showing various ride metrics and controls.

- **Brakes:** Dual disc brakes (front and rear) for sensitive and durable stopping power, reducing braking distance by 50% compared to mechanical brakes.





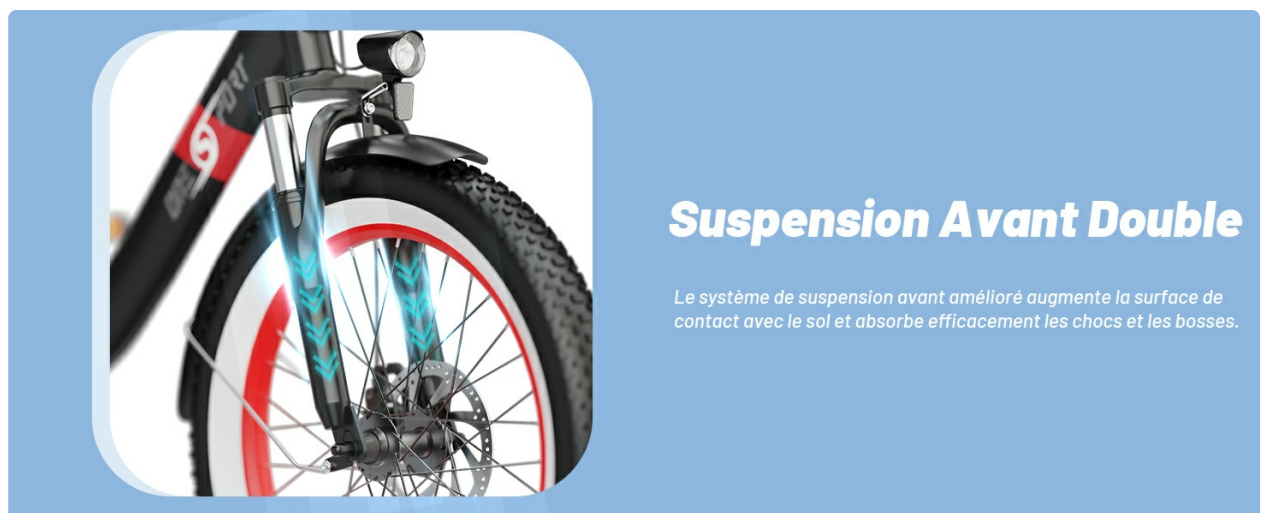
**Figure 3.4:** Illustration of the dual disc brake system, providing enhanced safety and control.

- **Gears:** 7-speed adjustable gears, allowing you to tackle various terrains effortlessly by selecting the appropriate gear combination.



**Figure 3.5:** View of the 7-speed gear system, enabling smooth transitions across different riding conditions.

- **Suspension:** Double front suspension system that increases ground contact and effectively absorbs shocks and bumps for a smoother ride.



**Figure 3.6:** Diagram illustrating the double front suspension, designed to enhance ride comfort.

- **Seat:** Wide and soft spring-loaded saddle for maximum comfort during long rides.



## Siège Large et Moelleux

*Le siège à ressorts vous permet de profiter d'une détente absolue.*

**Figure 3.7:** Close-up of the comfortable, wide, and soft seat with spring suspension.

- **Lights:** Equipped with bright front headlights and rear taillights for high visibility and safe night riding.

## Haute Visibilité

*Nos vélos électriques équipés de phares et de feux arrière lumineux vous offrent un environnement plus sûr et plus agréable pour rouler de nuit, profitez de la conduite sans contraintes de temps.*



**Figure 3.8:** The integrated front and rear lighting system for improved safety and visibility.

## 4. SETUP

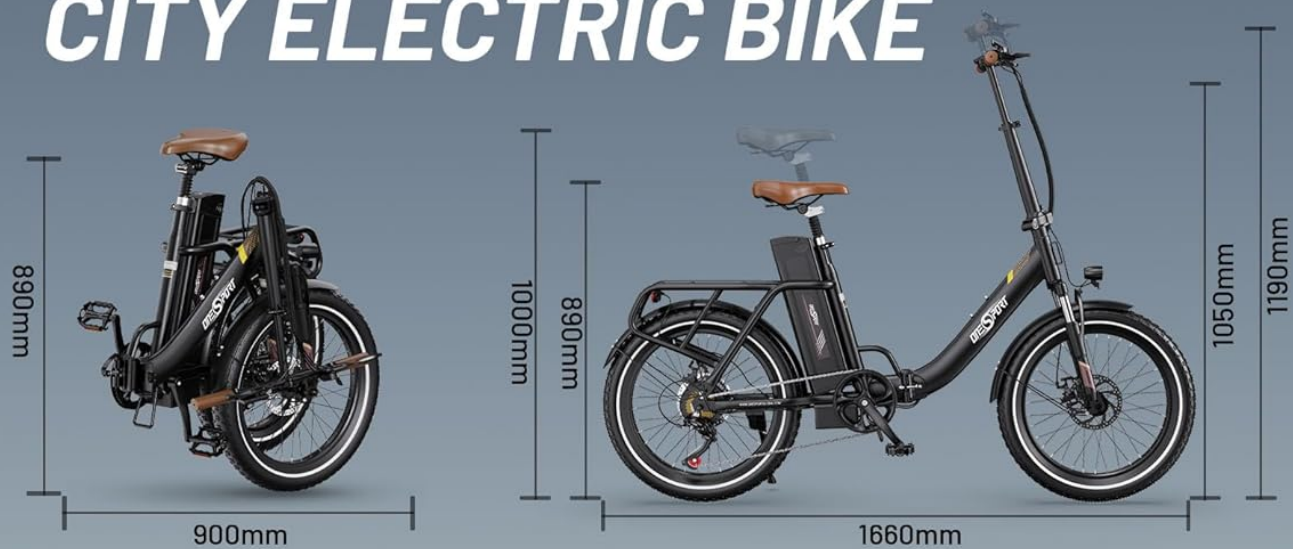
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Your ONESPORT OT16-2 bike comes largely pre-assembled and folded for convenient transport. Follow these steps for initial setup:

1. **Unfolding the Bike:** Carefully unfold the bike frame, ensuring all locking mechanisms are securely engaged. Refer to the folding steps diagram for guidance.
2. **Attaching Components:** Install the pedals, bell, and any included accessories such as the phone holder. Ensure they are tightened securely.
3. **Adjusting Seat and Handlebars:** Adjust the seat post and handlebar height to your preferred riding position. Ensure the quick-release levers are firmly closed after adjustment.
4. **Initial Battery Charge:** Before your first ride, fully charge the battery. The removable battery allows for convenient charging at home or in the office.



# FOLDABLE CITY ELECTRIC BIKE



## EASY TO CARRY AND STORE

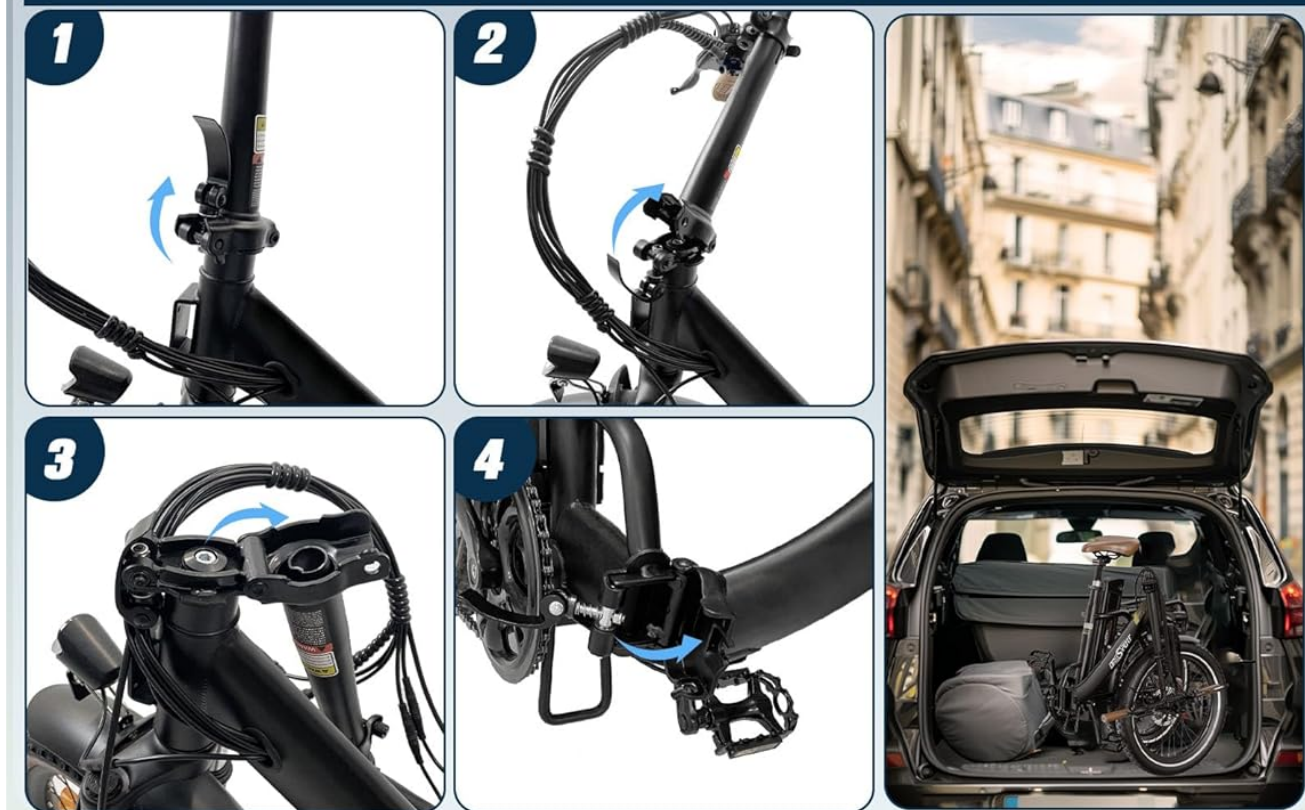


Figure 4.1: Step-by-step guide for folding and unfolding the bike, demonstrating its compact storage capability.





Figure 4.2: The portable battery being charged, illustrating the ease of charging at various locations.

## 5. OPERATING

The ONESPORT OT16-2 offers multiple riding modes and smart features for a customized experience:

- **Riding Modes:** Choose from three distinct riding modes:
  - **Electric Mode:** Pure electric power, no pedaling required.
  - **Pedal-Assist Mode (PAS):** Provides electric assistance as you pedal, with 3 adjustable levels.
  - **Classic Bike Mode:** Ride like a traditional bicycle with no electric assistance.



Figure 5.1: Visual representation of the three available riding modes: Pedal-Assist, Classic Bike, and Pure Electric.

- **LCD Display:** The integrated LCD screen allows you to monitor your ride in real-time. It displays current speed, battery level, selected pedal-assist level, and total mileage.
- **Bluetooth APP Connectivity:** Connect your smartphone to the bike via the dedicated app. This allows you to check the bike's status (mileage, lights, speed, power) and even remotely lock the bike for added security.

# CONNECTING THE RIDE



Light



Mileage



Speed



Lock



**Figure 5.2:** The handlebar showing the LCD display and a smartphone connected via the Bluetooth APP, illustrating real-time data and control options.





Figure 5.3: Overview of the app's control features, including ride data, speed limits, and bike locking.

*Note: No official seller videos were provided with specific URLs and creator types for embedding in this manual.*

## 6. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your ONESPORT OT16-2 bike:

- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its health. Avoid fully discharging the battery. Store the battery in a cool, dry place.
- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) as indicated on the tire sidewall.
- **Brake Inspection:** Regularly inspect brake pads for wear and ensure brake levers are responsive. Adjust or replace as needed.
- **Chain Lubrication:** Keep the chain clean and lubricated to ensure smooth gear changes and prevent rust.
- **General Cleaning:** Clean the bike regularly with a damp cloth. Avoid using high-pressure washers directly on electrical components.
- **Fastener Check:** Periodically check all bolts and fasteners for tightness, especially on critical components like handlebars, seat post, and wheels.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter:

- **Bike Not Powering On:** Ensure the battery is fully charged and properly seated. Check the battery's protection switch/lock.
- **Motor Not Assisting:** Verify that the pedal-assist level is not set to zero and that the battery has sufficient charge. Check for any error codes on the LCD display.
- **Gear Shifting Issues:** If gears are not shifting smoothly or the chain is slipping, the derailleur may need adjustment or the chain may require lubrication.
- **Brakes Squealing or Ineffective:** Brake pads may be worn, contaminated, or require adjustment. Inspect the brake discs for damage.
- **Unusual Noises:** Investigate any new or unusual noises. This could indicate loose components, worn bearings, or issues with the motor or drivetrain.

For issues not covered here or if problems persist, please contact customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	ONESPORT
Model Number	OT16-2
Bike Type	Folding Electric City Bike
Age Range	Adult
Motor Power	250W Brushless
Max Speed	15.5 MPH (25 km/h)
Battery	48V 17Ah Removable Lithium-ion
Electric Mode Range	Up to 60 km
Pedal-Assist Mode Range	Up to 120 km
Wheel Size	20 Inches
Tires	20" x 3.0
Gears	7-Speed
Brakes	Dual Disc Brakes
Suspension	Fork Suspension
Frame Material	Iron
Max Climbing Angle	20 Degrees
Max Load Capacity	330 lbs (150 kg)
Unfolded Dimensions (L x W x H)	166 x 56 x 122 cm (65.35 x 22.05 x 48.03 inches)
Product Weight	29.94 kg (65.9 lbs)
Color	Dark Brown
Included Components	Luggage rack, Saddlebag, Tool kit





Figure 8.1: Detailed dimensions and weight specifications of the ONESPORT OT16-2 Electric Folding Bike.

## 9. WARRANTY AND SUPPORT


ONESPORT is committed to providing high-quality products and excellent customer service. Your ONESPORT OT16-2 Electric Folding Bike comes with the following:






- **30-Day Unconditional Return Policy:** If you are not satisfied with your purchase, you may return it within 30 days.
- **365-Day Limited Warranty:** A limited warranty covers manufacturing defects for 365 days from the date of purchase. This warranty does not cover damage due to misuse, accidents, or normal wear and tear.
- **After-Sales Service:** We strive to provide 100% satisfactory after-sales service. If you encounter any problems or have questions regarding your bike, please contact our customer support team.

For warranty claims or technical assistance, please refer to the contact information provided with your purchase documentation or visit the official ONESPORT website.

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### Related Documents - OT16-2

 <p>Model: OT16 USER MANUAL</p> <p><small>Attention!</small> Please read the instruction manual carefully. To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.</p>	<p><a href="#">ONESPORT OT16 Electric Bicycle User Manual</a></p> <p>Comprehensive user manual for the ONESPORT OT16 electric bicycle, covering assembly, operation, safety, maintenance, and troubleshooting. Learn how to set up, charge, and ride your e-bike safely.</p>
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 <p>Model: OT16 <b>USER MANUAL</b></p> <p><b>Attention!</b> Please read the instruction manual properly! To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.</p>	<p><a href="#">ONESPORT OT16 Electric Bicycle User Manual</a></p> <p>Comprehensive user manual for the ONESPORT OT16 electric bicycle, covering assembly, operation, safety guidelines, maintenance, and troubleshooting. Includes detailed instructions on battery management, charging, display functions, and warranty information.</p>
 <p>Model: OT16 <b>BENUTZERHANDBUCH</b></p> <p><b>Aufmerksamkeit!</b> Bitte lesen Sie die Bedienungsanleitung sorgfältig auf! Um Ihre Sicherheit zu gewährleisten, lesen Sie bitte die Bedienungsanleitung vor der Verwendung des Elektrofahrzeugs sorgfältig durch, um die Leistung des Elektrofahrzeugs zu verstehen.</p>	<p><a href="#">ONESPORT OT16 Elektrofahrrad Benutzerhandbuch   Sicherheit, Wartung &amp; Garantie</a></p> <p>Umfassendes Benutzerhandbuch für das ONESPORT OT16 Elektrofahrrad. Enthält Anleitungen zur Montage, Bedienung, Wartung, Sicherheitshinweise und Garantiefinformationen.</p>
 <p>Model: OT01 <b>USER MANUAL</b></p> <p><b>Attention!</b> Please read the instruction manual properly! To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.</p>	<p><a href="#">ONESPORT OT01 Cargo E-bike User Manual and Safety Guide</a></p> <p>Comprehensive user manual and safety guide for the ONESPORT OT01 Cargo E-bike, covering assembly, operation, maintenance, and warranty information.</p>
 <p>Model: OT16 <b>USER MANUAL</b></p> <p><b>Attention!</b> Please read the instruction manual properly! To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.</p>	<p><a href="#">ONESPORT OT16 Electric Bicycle User Manual</a></p> <p>Comprehensive user manual for the ONESPORT OT16 electric bicycle, covering setup, operation, safety, maintenance, and warranty information.</p>
 <p>Model: OT05 <b>USER MANUAL</b></p> <p><b>Attention!</b> Please read the instruction manual properly! To ensure your safety, please read the instruction manual carefully before using the electric bicycle to better understand the performance of the electric bicycle.</p>	<p><a href="#">ONESPORT OT05 Electric Bicycle User Manual</a></p> <p>This user manual provides comprehensive instructions for the ONESPORT OT05 electric bicycle, covering assembly, operation, safety guidelines, maintenance procedures, error codes, and warranty information.</p>