

# Conductor Plus Electric Bicycle User Manual

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## 1. Introduction

### Welcome to Your New Electric Bike Experience!

Congratulations on your purchase of a Conductor Plus Electric Bicycle! We are thrilled to welcome you to our community of e-bike enthusiasts. Your decision to choose an electric bike is not just a choice for convenient and enjoyable transportation, but also a step towards a more sustainable and environmentally friendly mode of travel.

Our electric bike combines advanced technology, high-quality components, and user-friendly features to offer you an unparalleled riding experience. Whether you're commuting to work, exploring scenic trails, or simply enjoying a leisurely ride around town, your electric bike is designed to provide a reliable, fun, and efficient mode of transportation.

### Purpose of This Manual

This manual is your comprehensive guide to getting the most out of your new electric bike. It has been carefully crafted to provide you with all the information you need for a safe, enjoyable, and trouble-free riding experience. Inside, you will find detailed instructions and valuable information on various aspects of your electric bike, including:

- **Safety Instructions:** Essential guidelines to ensure your safety and the safety of others while riding.
- **Operating Instructions:** Instructions on how to operate your electric bike effectively and efficiently.
- **Maintenance Tips:** Advice on how to care for your bike to keep it running smoothly for years to come.
- **Troubleshooting:** Solutions to common issues you may encounter with your electric bike.

We strongly recommend that you read this manual thoroughly before riding your electric bike for the first time. Familiarize yourself with the features, controls, and maintenance tips to enhance your riding experience and ensure your safety.

Remember, this manual should be used as a guide alongside your own judgement and familiarity with local cycling laws and regulations. Always ride responsibly and be mindful of your surroundings.

Once again, welcome to the exciting world of electric biking! We are confident that your new electric bike will bring you countless hours of joy and transform your daily commute and recreational activities.

## **2. Safety Instructions**

Welcome to your new electric bike! Ensuring your safety and the safety of others is paramount. Please read and follow these safety instructions carefully before operating your bike.

### **2.1 General Safety Guidelines**

- **Know Your Bike:** Familiarize yourself with all the features and controls of your electric bike. Understand how to operate the electric assist and braking systems before your first ride.
- **Inspect Before Riding:** Perform a quick inspection before each ride. Check tire pressure, brakes, lights, and battery charge.
- **Wear Proper Safety Gear:** Always wear a helmet. Consider additional safety gear like gloves, knee and elbow pads, and reflective clothing, especially for long rides or when riding at night.

### **2.2 Appropriate Attire**

- **Clothing:** Wear comfortable, weather-appropriate clothing that doesn't restrict your movement. Avoid loose clothing that could get caught in the bike's moving parts.
- **Footwear:** Closed-toe, flat-soled shoes provide the best footing on pedals. Avoid sandals, flip-flops, or high heels.

### **2.3 Pre-Ride Checks**

- **Brake Check:** Ensure both front and rear brakes are functioning correctly.
- **Tire Check:** Verify that tires are inflated to the recommended pressure.
- **Battery Check:** Make sure the battery is securely mounted and charged.

### **2.4 Riding in Various Weather Conditions**

- **Wet Conditions:** Be cautious when riding in the rain. Wet surfaces may be slippery, and your stopping distance will increase. Use lights and reflective gear in low visibility conditions.
- **Wind and Extreme Weather:** Avoid riding in strong winds or extreme weather conditions, as they can affect your bike's stability and safety.

## **2.5 Night Riding**

- **Lights and Reflectors:** Always use front and rear lights, and ensure your bike has reflective materials visible from all sides.
- **Be Visible:** Wear reflective clothing or accessories. Make eye contact with drivers at intersections to ensure you're seen.

## **2.6 Responsible Riding**

- **Follow Traffic Laws:** Abide by all traffic laws and signals. Ride in designated bike lanes when available.
- **Stay Alert:** Keep your eyes and ears open. Avoid using headphones or mobile devices that can distract you.
- **Signal Intentions:** Use hand signals to communicate your movements to others.
- **Maintain a Safe Speed:** Adjust your speed according to traffic, weather conditions, and your riding ability.

## **2.7 Battery and Electric System Safety**

- **Battery Care:** Do not expose the battery to extreme temperatures. Never immerse the battery in water.
- **Charging Safety:** Use only the charger provided with your bike. Charge the battery in a dry, well-ventilated area away from flammable materials.

## **2.8 Riding Etiquette**

- **Be Considerate:** Yield to pedestrians. Warn other riders or pedestrians when you are passing.
- **Parking:** Park your bike in designated areas without obstructing pathways.
- **Remember:** Safety is a shared responsibility. Always be aware of your surroundings and ride with care and respect for others.

### 3. Assembly and Setup Instructions

Your trike comes 90% assembled. Carefully take out your trike from its box.



What's in the Box:

- 1 Oh WOW Conductor+ Trike
- 1 Charger, (if you bought a double-battery version, you will receive 2 chargers)
- 2 Battery Keys, 2 Power-Switch Keys.

If anything is missing or is damaged, contact us immediately for help.

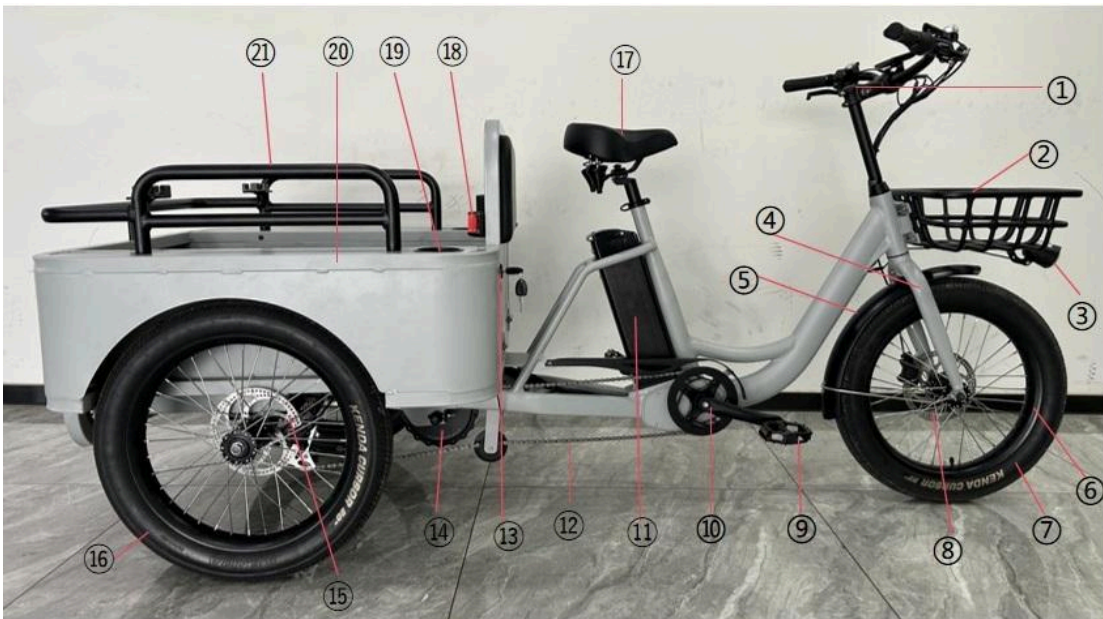
Serial Number

The serial number is located on the headtube of your trike. Please see the picture below.

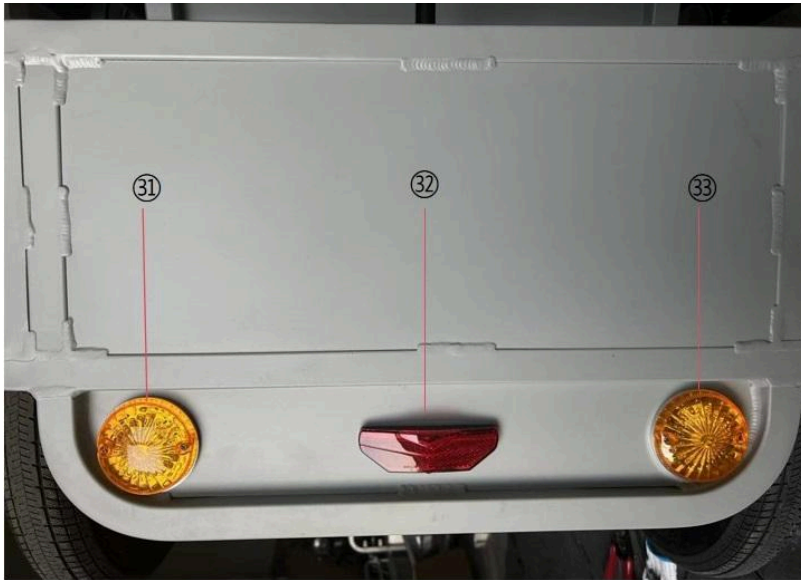
You may be asked for this serial number as part of a warranty request. And if your trike is stolen, this serial number may help with recovery of your trike.



## Bike Parts Overview

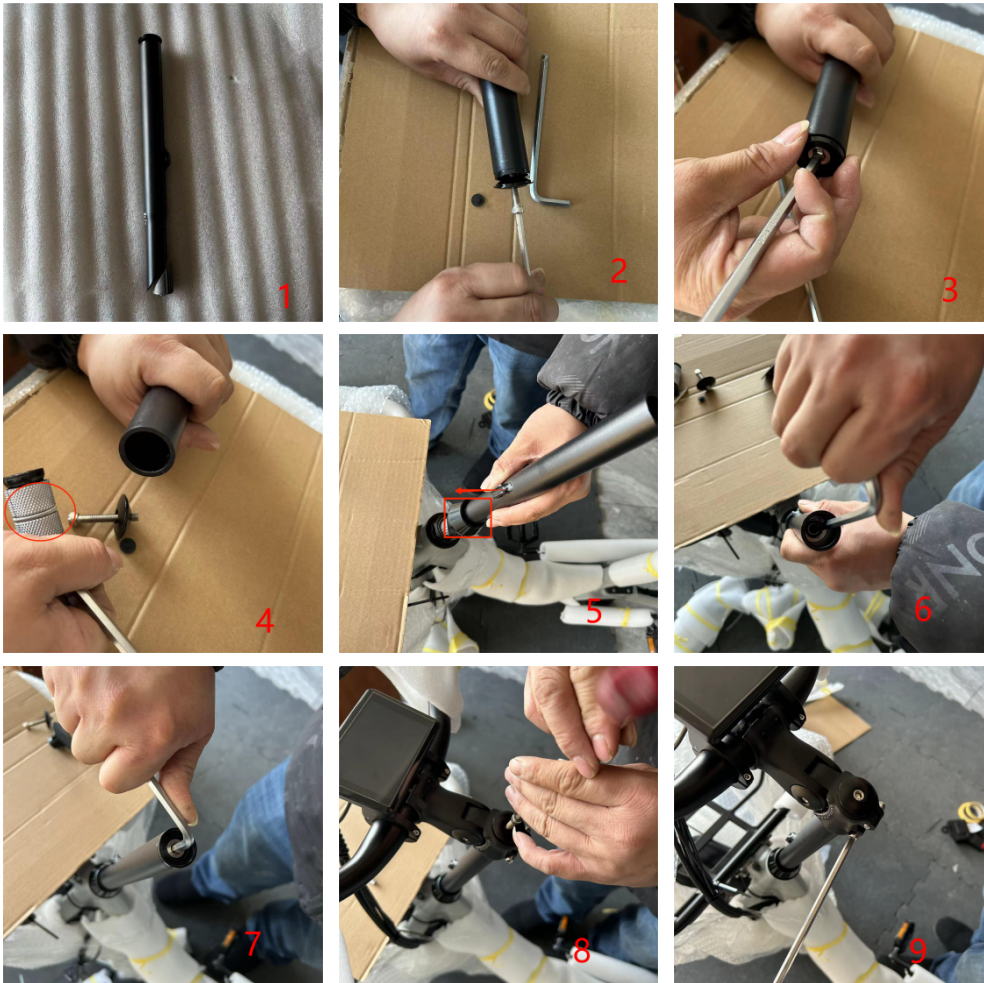






#	Parts	#	Parts
1	Stem	18	Safety Belt
2	Basket	19	Cup Holder
3	Front Light	20	Carriage Box
4	Fork	21	Armrest
5	Fender	22	Left Grip
6	Front Rim 20"	23	Left Brake Lever
7	Front Tire 20"	24	Turn Signal/Horn Switch
8	Front Disc brake	25	Display Switch
9	Pedal	26	LCD Display
10	Crank set	27	Shifter
11	Battery	28	Right Brake Lever
12	Chain	29	Throttle
13	Power Switch	30	Right Grip
14	Motor	31	Left Turn Signal
15	Rear Disc brake	32	Tail Light
16	Rear Tire 20"	33	Right Turn Signal
17	Saddle		

## How to assemble the Handlebars



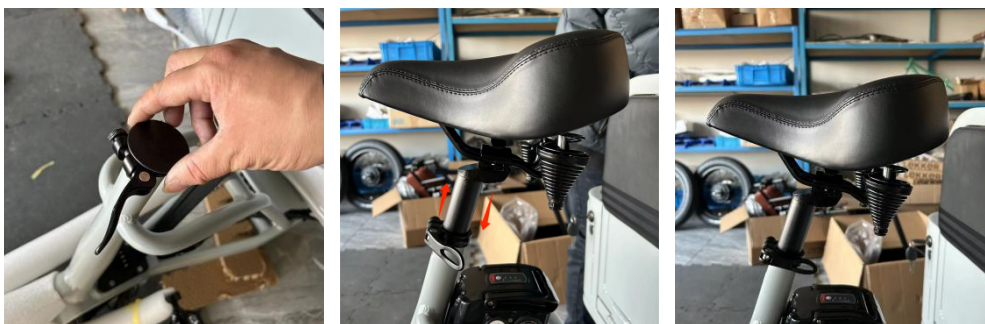
1. Find the Stem bracket in the small box.
2. Remove the top cover.
3. Remove the part shown in picture 4.
4. Insert the stem bracket into the headtube, make sure you put the cap on, and the cable clip towards the front side.
5. Tighten the internal screw.
6. Insert and tighten the part that you removed in step 3.
7. Tighten the top cover.
8. Make sure the handlebar is in a proper position, Tighten the stem screws.

## How to assemble and adjust the battery



1. Find the battery guide rail in the box.
2. Insert and mount the guide rail with 2 screws, note which end goes up.
3. Insert the battery with keyhole oriented up.
4. When you first insert the battery, the key is in the “UNLOCKED” position.
5. Push and turn on the battery to “ON” position, the locking bolt will pop in place and the battery will be activated.

## How to assemble and adjust the saddle



1. Remove the cover and loosen the seat post quick-release clamp.
2. Insert and adjust the height of the seat post.
3. Tighten the seat post quick release clamp.



## How to adjust the front light



1. The front light will be tucked under the basket during unboxing.
2. Flip the light up so it is facing forward and adjust the angle to level.
3. Use a Wrench and Screwdriver to tighten into position.

## 4. Operating Instructions

This section provides comprehensive guidance on how to operate your electric bike safely and efficiently. Familiarize yourself with these instructions to enhance your riding experience.

### 4.1 Starting Your Electric Bike

- Power On: Locate the power button, found on the display and battery.
- Press it to turn on your electric bike.
- Check Display: Ensure the display is clear and showing all necessary information like battery level, speed, and assist mode.
- Engage the Brakes: Before setting off, lightly squeeze the brakes to ensure they are functioning correctly.

### 4.2 Using Electric Assist Modes

- Mode Selection: Your bike has multiple assist modes ranging from low to high. Use the control buttons to select the desired level of assistance.
- Conserving Battery: For longer rides, consider using a lower assist mode to conserve battery power.
- Manual Override: Remember, you can always pedal without electric assist. Switch to manual mode if you wish to ride your bike like a traditional bicycle.

### 4.3 Gear Shifting

- **Understand Gearing:** Familiarize yourself with the gear shifting mechanism. Shifting gears helps you maintain a comfortable pedaling pace (cadence).
- **When to Shift:** Shift to lower gears when starting off or climbing hills. Use higher gears for faster riding or going downhill.
- **Smooth Shifting:** Shift gears while pedaling lightly to avoid strain on the bike's drivetrain.

#### **4.4 Acceleration and Speed Control**

- **Start Slowly:** Gradually increase your speed, especially in crowded areas.
- **Speed Limits:** Be mindful of local speed regulations for electric bikes. Your bike's electric assist may automatically cut off at a certain speed.
- **Braking:** Anticipate stops and begin braking well in advance. Electric bikes can be heavier and faster than traditional bikes, requiring more stopping distance.

#### **4.5 Stopping and Parking**

- **Safe Stopping:** Use both brakes to come to a controlled stop.
- **Kickstand Use:** Engage the kickstand when parked to prevent the bike from falling.
- **Secure Parking:** Always lock your bike when unattended. Use a high-quality lock and secure the bike to a fixed object.

#### **4.6 Turning and Maneuvering**

- **Slow Down for Turns:** Reduce speed before making turns.
- **Lean and Steer:** Lean slightly into the turn while steering, keeping your weight balanced.
- **Obstacle Avoidance:** Practice maneuvering around obstacles at a safe speed in a controlled environment.

#### **4.7 Riding Etiquette**

- **Right of Way:** Always yield to pedestrians and follow local trail or bike lane etiquette.
- **Signal Turns:** Use hand signals to indicate turns and lane changes well in advance.
- **Respect Traffic Signals:** Obey all traffic lights and road signs.

#### **4.8 Emergency Stops and Evasive Actions**

- **Quick Stops:** Apply both brakes firmly but without locking them up.

- Evasive Maneuvers: Practice swerving safely to avoid sudden obstacles. Do this in a controlled environment to understand how your bike handles.

## **5. Battery Charging and Maintenance**

Proper care and maintenance of your electric bike's battery are crucial for ensuring its longevity and optimal performance. Follow these guidelines to effectively charge and maintain your battery.

### **5.1 Charging the Battery**

- Initial Charge: Before first use, fully charge the battery, as this can condition it for future charging cycles.
- Charging Procedure: Connect the charger to the battery before plugging it into an electrical outlet. This order can help prevent electrical surges.
- Charge Location: Charge the battery in a dry, well-ventilated area, away from direct sunlight or extreme temperatures.
- Charging Time: Avoid overcharging the battery. Remove the charger once it's fully charged. Refer to your specific model's guide for charging times.
- Battery Indicator: Check the battery level indicator on the bike's display or battery itself to ensure a full charge.

### **5.2 Regular Battery Care**

- Storage Temperature: Store the battery in a cool, dry place, away from extreme temperatures. Extreme cold or heat can degrade the battery's lifespan.
- Regular Use: Batteries benefit from regular use. If the bike is not in use for an extended period, charge the battery every few months.
- Handling: Handle the battery with care. Avoid dropping it or exposing it to impact.

### **5.3 Long-Term Storage**

- Charge Level: If storing the battery for a long time, charge it to about 40-60% of its capacity. This level is ideal for battery health.
- Storage Location: Choose a cool, dry place for storage. Avoid places with high humidity or temperature fluctuations.
- Check-Up: Periodically check the battery's charge level every few months during long-term storage and recharge it if necessary.

## 5.4 Battery Maintenance and Safety

- **Regular Inspection:** Regularly inspect the battery for any signs of damage, corrosion, or swelling.
- **Clean Contacts:** Keep the battery contacts clean and free from debris. Use a dry cloth to wipe them.
- **Avoid Water Exposure:** While e-bike batteries are generally water-resistant, they should not be submerged in water. Avoid riding in deep puddles or heavy rain.

## 5.5 Replacement and Recycling

- **Battery Lifespan:** Be aware of your battery's expected lifespan. A decrease in performance indicates that it may need replacing.
- **Proper Disposal:** Do not dispose of e-bike batteries in household waste. Take them to a designated battery recycling center.
- **Replacement Batteries:** Always use manufacturer-approved batteries for replacements. Third-party batteries may not be compatible and could be hazardous.

## 6. General Maintenance and Care

Regular maintenance is key to ensuring your electric bike's longevity, safety, and performance. This section provides a comprehensive guide to help you keep your bike in top condition.

### 6.1 Cleaning Your Electric Bike

- **Frequency of Cleaning:** Clean your bike regularly, especially after riding in muddy or wet conditions.
- **Cleaning Materials:** Use a soft cloth, mild soap, and water. Avoid high-pressure hoses as they can damage electrical components.
- **Focus Areas:** Pay special attention to moving parts like the chain and gears. Keep the battery and display unit dry and clean.

### 6.2 Chain and Drivetrain Maintenance

- **Lubrication:** Regularly lubricate the chain to ensure smooth operation. Use a bike-specific lubricant.
- **Cleaning:** Clean the chain, gears, and derailleurs to remove dirt and grime.



- Inspection: Check for wear and tear. Replace the chain or other components if they show signs of significant wear.

### **6.3 Tire Maintenance**

- Pressure Check: Regularly check tire pressure. Riding with incorrect tire pressure can affect handling and increase the risk of punctures.
- Tread Inspection: Check the tread for wear and any embedded objects like thorns or glass.
- Replacement: Replace tires when the tread is worn out or if there are cuts or bulges in the sidewalls.

### **6.4 Brake System Maintenance**

- Brake Pads: Check the brake pads for wear. Replace them if the pad material is worn down to the minimum thickness.
- Brake Adjustment: Ensure that brakes are properly adjusted for effective stopping power.
- Cable and Hydraulic Systems: For bikes with cable-actuated brakes, ensure the cables are not frayed or rusted. For hydraulic brakes, check for any signs of fluid leakage.

### **6.5 Battery Care**

- Storage: Store the battery in a cool, dry place when not in use.
- Contacts: Keep the battery contacts clean and free from corrosion.
- Regular Charging: Follow the charging guidelines provided in Section 5 to maximize battery life.

### **6.6 Checking and Tightening Bolts**

- Regular Checks: Regularly check all bolts and fasteners for tightness.
- Vibration from riding can loosen them over time.
- Correct Torque: Use a torque wrench to tighten bolts to the manufacturer's specifications.

### **6.7 Software Updates**

- **Firmware Updates:** Keep the bike's firmware updated for optimal performance. Check the manufacturer's website for updates.

## **6.8 Storage**

- **Long-Term Storage:** If you plan to store your bike for an extended period, clean it first, slightly deflate the tires, and store it in a dry, cool place. Remove the battery and store it separately following the guidelines in Section 5.

## **6.9 Professional Servicing**

- **Annual Service:** It's advisable to have your electric bike professionally serviced at least once a year. This service should include a comprehensive check of all components.

## **7. Legal Compliance and Regulations**

Understanding and adhering to legal requirements and regulations is crucial for safe and responsible electric bike usage. This section provides general guidance on common legal aspects you should be aware of. However, laws and regulations vary by location, so it is essential to familiarize yourself with the specific laws applicable in your area.

### **7.1 Age and Licensing Requirements**

- **Minimum Age:** Oh Wow Cycles highly recommends riders and passengers be 16 years or older to operate. Many regions have a minimum age requirement for electric bike riders. Verify the age limit in your area.
- **Licensing:** While electric bikes typically do not require a driver's license, some places might have specific licensing requirements, especially for higher-powered models.

### **7.2 Helmet Laws**

- **Mandatory Helmet Use:** In many areas, wearing a helmet while riding an electric bike is mandatory, especially for certain age groups.
- **Helmet Standards:** Ensure that your helmet meets local safety standards. It should be properly fitted and in good condition.

### **7.3 Speed and Power Limits**

- **Maximum Speed:** Electric bikes are often subject to maximum speed limits, especially when using motor assistance.
- **Motor Power Restrictions:** Some jurisdictions limit the maximum power output of electric bike motors. Familiarize yourself with these restrictions to ensure your bike is compliant.

### **7.4 Road and Trail Usage**

- **Permitted Areas:** Understand where electric bikes are legally allowed to operate, such as on roads, bike lanes, or specific trails.
- **Prohibited Areas:** Be aware of areas where electric bikes are not permitted, such as certain pedestrian paths or protected natural areas.

### **7.5 Equipment and Safety Standards**

- **Lights and Reflectors:** Your bike should be equipped with lights and reflectors if you plan to ride at night or in low visibility conditions.
- **Audible Warning Devices:** In some places, bikes are required to have a bell or other audible warning device.

### **7.6 Insurance and Registration**

- **Insurance:** While not always mandatory, obtaining insurance for your electric bike can provide protection against theft, damage, and liability.
- **Registration:** Some regions require electric bikes to be registered, similar to motor vehicles.

### **7.7 Parking and Locking**

- **Legal Parking:** Park your electric bike in designated areas, following local parking regulations.
- **Securing Your Bike:** Always lock your bike securely to prevent theft, using a high-quality lock.

### **7.8 Riding Etiquette and Local Customs**

- **Respect Traffic Laws:** Follow all traffic signals and signs, and ride in the same direction as traffic.
- **Courtesy to Pedestrians:** Always yield to pedestrians and be mindful of other cyclists and motorists.

### **7.9 Modifications and Customizations**

- **Regulatory Compliance:** Any modifications or customizations to your electric bike should comply with local laws and safety standards.

## **8. Warranty and Customer Service**

Your electric bike comes with a warranty and dedicated customer service support to ensure your satisfaction and peace of mind. This section details the scope of the warranty and how to access customer service for any inquiries or issues you might encounter.

## **8.1 Warranty Coverage**

- **Duration of Warranty:** Your electric bike is covered by a warranty of 2 years, starting from the date of purchase. Registration of bike serial numbers is required along with proof of purchase for warranty claims.
- **What's Covered:** The warranty typically includes coverage for the bike frame, motor, battery (limited to one year), and other electrical components. It addresses defects in materials and workmanship under normal use and maintenance.
- **Limitations:** The warranty does not cover normal wear and tear, improper assembly or follow-up maintenance, or installation of components, parts, or accessories not originally intended or compatible with the bike as sold.

## **8.2 Warranty Claims**

- **Process for Filing a Claim:** File a warranty claim at your originally shop of purchase. If purchased online contact our customer service department by filling out our website support form. Be ready with your purchase receipt, detailed description of the issue, and any relevant photographs or videos.
- **Evaluation of Claim:** Our team will evaluate your claim to determine if the issue falls under warranty coverage.
- **Repair or Replacement:** If the claim is approved, we will repair or replace the defective part or product. We reserve the right to replace defective parts with equivalent parts.

## **8.3 Exclusions**

- **Accidental Damage:** Damage resulting from accidents, misuse, neglect, or riding in extreme conditions is not covered.
- **Unauthorized Modifications:** Modifications or alterations not approved by the manufacturer can void the warranty.

## **8.4 Customer Service Support**

- **Contact Information:** For any questions, concerns, or service needs, you can reach our customer service team via the Support and Warranty Claims form online at [www.ohwowcycles.com](http://www.ohwowcycles.com)
- **Support Services:** We offer comprehensive support, including troubleshooting, maintenance advice, and assistance with warranty claims.

## **8.6 Feedback and Suggestions**

- **Your Experience:** We value your feedback and suggestions regarding your electric bike



and the service you receive.

- Continuous Improvement: Your input helps us continuously improve our products and services.

## 9. Technical Specifications

Specification	Details / Value	Notes / Description
Model Name	Conductor Plus	
Frame Material	6061 Aluminum	
Weight	176lbs with one battery. 187lbs with two batteries.	
Color Options	Battleship Grey, or Cream, or Bronze, or Black.	Available color variants.
Motor Type	Hengtai Rear Chain Drive	
Motor Power	1000W	Nominal
Top Speed	20MPH, Class 2	Maximum assisted speed.
Range	25-30/miles	Estimated range per charge under ideal conditions.
Pedal Assist Levels	5 Levels	Number of pedal assist settings.
Battery 1	SSE-012	48V 20AH, 65pcs, LG cells
Battery 2	Custom	48V 30AH 78pcs LG cells.
Charging Time	6 hours	Time taken to fully charge the battery.
Removable Battery	Yes	Indicates if the battery can be removed for charging.
Front Brake Type	Bengal 7E ARES	hydraulic, 180mm disk. with self-locking function.
Rear Brake Type	Bengal 7.5E ARES	hydraulic, 160mm disk. with self-locking function.
Rim	JHT HLQC-GA05	Double wall, Width:55mm 12G*36H A/V H 22mm
Tire Type	Kenda K-1270	20x3.0 A/V with Tyler Liner.
		Crankset Prowheel A10BPP Alu./Steel 1/2*3/32*36T*165mm
		Derailleur Shimano RD-M310-Smart 7S
Gear System	Mixed	Freewheel Shimano MF-TZ500-7-CP 14-28T
Number of Gears	7	Number of gears in the gear system.
Front Fork Suspension	JXD 20*3.0 Alu./Steel 20**3.0", Disc Brake.	

Specification	Details / Value	Notes / Description
Display Type	TC635	48V LCD UART5.8 Protocol, with 5V USB charging port. ⚡ 31.8. No speed limit(adjustable). Default 0 gear when turned on.
Accessories Included	Included as listed	e.g., Fenders, rack, lights, bell.

## 10. Disposal and Recycling

Responsible disposal and recycling of your electric bike and its components are crucial for environmental conservation and adherence to legal regulations. This section provides guidelines on how to properly dispose of or recycle your electric bike and its parts at the end of their life cycle.

### 10.1 Battery Disposal

- **Hazardous Waste:** Electric bike batteries contain materials that can be hazardous if not disposed of properly.
- **Recycling Centers:** Take used or damaged batteries to specialized recycling centers or hazardous waste disposal facilities.
- **Manufacturer Take-Back:** Some manufacturers offer take-back programs for used batteries. Check if this service is available.

### 10.2 Bike Frame and Components

- **Metal Recycling:** The metal parts of your bike, such as the frame, can often be recycled. Contact local metal recycling facilities for guidelines.
- **Plastic Parts:** Plastic components should be separated and recycled where facilities exist.
- **Non-Recyclable Parts:** Dispose of non-recyclable parts in accordance with your local waste management regulations.

### 10.3 Electrical Components

- **Specialized Disposal:** Components like the motor and electronic control unit should be disposed of at an electronics recycling facility.
- **Removing Electronics:** Before recycling the frame, remove all electronic components and dispose of or recycle them separately.

### 10.4 Tire and Inner Tube Disposal

- **Recycling Programs:** Tires and inner tubes should not be thrown in regular trash. Look for local tire recycling programs.

- Repurposing: Old tires and tubes can sometimes be repurposed. Check with local workshops or creative reuse centers.

### **10.5 Packaging Material**

- Cardboard and Paper: Most of the packaging materials like cardboard boxes can be recycled through your regular recycling service.
- Plastic Wrapping: Some plastic materials used in packaging may be recyclable. Check the recycling symbols and local guidelines.

### **10.6 Donation or Resale**

- Second Life: If your bike or its components are still in usable condition, consider donating them to local community programs or selling them second-hand.

### **10.7 Environmental Responsibility**

- Avoiding Landfills: Proper disposal and recycling help in reducing landfill waste and the environmental impact of discarded materials.
- Sustainable Practices: Embracing recycling and proper disposal practices reflects a commitment to environmental sustainability.

## **11. TC635-Color Display Manual**

**Product: Smart Display Type: TC635**

### **Content**

#### **1. Introduction**

#### **2. Manual Guide**

1). Appearance

2). Specifications

3). Functions

- 4). Assembly
- 5). Display Area
- 6). Remote Definition
- 7). Operation
- 8). Settings
- 9). Error Code

### **3. Warranty**

#### **1. Introduction**

- 1). Product: Smart Display
- 2). Type: TC635-Color
- 3). Scope: Electric Pedal Assistance Bikes of Standard EN15194
- 4). Protocol: UART & CAN
- 5). Appearance: Zinc alloy frame as in the following.
- 6). Marking: Laser marking according to the specific customer code.





## 2. Manual Guide

### 1). Appearance



### 2). Specifications

- ① Rated Voltage: 36V/48V
- ② Rated Current: 44.9mA
- ③ Current Limit:  $\leq 70\text{mA}$
- ④ Power-off Leakage Current  $< 1\mu\text{A}$
- ⑤ Output Current to Controller: 25.1mA
- ⑥ Usage Temperature:  $-20\sim 45^{\circ}\text{C}$
- ⑦ Storage Temperature:  $-20\sim 60^{\circ}\text{C}$
- ⑧ Waterproof Grade: IP65
- ⑨ Storage Humidity: 30%-70%

### 3). Functions

- ① Smart battery power indicates. The optimization algorithm provides a stable power prompt, which solves the problem that the battery power fluctuates when the motor start and stop.

- ② Adjust and indicate pedal assist level.
- ③ Indicate speed (Including real-time speed during trip).
- ④ Indicate motor output power (Including digital and graphical).
  
- ⑤ Indicate mileage (Including trip and ODO).
- ⑥ Walk assist control and indicator.
- ⑦ Light witch control and indicator.
- ⑧ Battery Details (Including CAN communication with battery).
- ⑨ Error code logs and indicate.
- ⑩ USB Charging, charging current 500mA max.

#### 4). Assembly

- 1 Fix the display in a suitable position on the handlebar. Then adjust the angle of the auxiliary switch to make it easier to watch and use when riding. (Applied to outer diameter of 22.2-31.8 mm.)



- ② Fix and tighten the bolt with a hex key (M3\*12, stainless, GB/T70.1-2008), the locking torque 1 N·m.



- 2 Fix the remote in a suitable position on the handlebar. Then adjust the angle of the auxiliary switch to make it easier to watch and use when riding. (Applied to outer diameter of 22.2mm.)



### 5). Display Area



- 1.) Batter Power Indicator
- 2.) Light Indicator
- 3.) Real-Time Speed
- 4.) Pedal Assist Level 0-5
- 5.) Turn Light Signal
- 6.) Running Time
- 7.) No Assist Indicator
- 8.) Brake Indicator
- 9.) Motor Information
- 10.) Motor Temperature Indicator
- 11.) Distance Range
- 12.) ODO
- 13.) Trip Distance
- 14.) Display Mode Select

### 6). Remote Definition

Three buttons including “+”, “-” and “on-off”



## 7). Operation

“Long press>2S” referred by “long press” “Short press<0.5S”referred by “press” .

- 1 Power On/Off: Long press “on-off.
- 2 PAS Level: Press “+”or“-”to change the PAS level after display starting up. Motor output power is different under different level. The default levels range is 1-5, and will be set under class 1 when the display starting up.



**PAS Level Selection Interface**

- ③ Function Selection: Press “on-off” to select display function:  
 “Watt”/“Cadence”/“Voltage”/“Current”/“Speed”/“Calorie”



**Function Interface**

- ④ Walk Assistance: Long press “ -”to switch on/off, pedal assist is off when the indicator lights up.





**Walk Assistance Interface**

⑤ Light: On-off switch: long press “+”



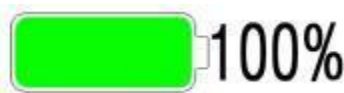
**Light Indicator Interface**

⑦ Main interface display mode: Long press “+” and “-” at same time to enter settings, press “+” or “-” to select “User” and press” on-off” to confirm, then press “+” or “-” to select different modes. Press “Exit” to quit sub-menu, Long press “+”and “-”at same time to quit setting interface.



**Mode Interface**



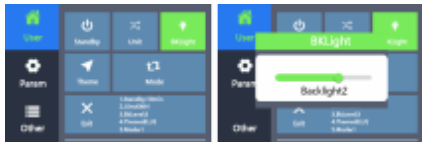
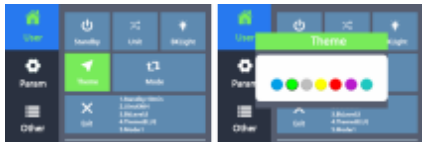
⑧ Battery Power: The battery power indicator is as the following by percentage:




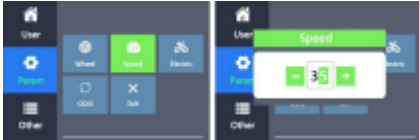
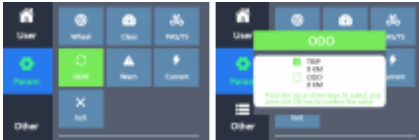



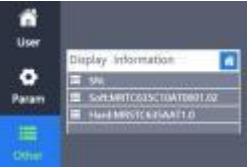
**Battery Power Indicator**

8). Settings: Long press “+”and “-”at same time to enter settings, press “+”or “-”to select “User”,“Param”or “Other”, press“on-off”to enter submenu, select and press “Exit”to quit submenu Long press “+”and “-”at same time to quit setting interface.

Setting Menu	Item	Definition	Setting Interface	Parameter Definition	Note
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<b>User</b>	<b>Sleep</b>	<b>Sleep Time</b>		<b>0-15</b>	<b>Default Value:</b>  <b>10min</b> <b>0: Always On</b>
	<b>Unit</b>	<b>Unit Setting</b>		<b>KM/H MPH</b>	<b>Default Value=KM/H</b>
	<b>Back Light</b>	<b>Backlight Brightness/ Light Sensor</b>		<b>Light Sensor ON</b> <b>Backlight1</b> <b>Brightness 60%</b> <b>Backlight2</b> <b>Brightness 80%</b> <b>Backlight3</b> <b>Brightness100%</b>	<b>Default Backlight3</b>
	<b>Theme</b>	<b>Color Setting</b>			<b>Default Blue</b>

Setting Menu	Item	Definition	Setting Interface	Parameter Definition	Note
User	Mode	Display Mode		Mode1 Mode2	Default  Mode1
	Exit	Exit			
Param	Wheel	Wheel Diam.		8-30	Default  24
	Speed	Max. Speed			Default 20 MPH
	ODO	Mileage clearance		TRIP ODO	Manually Reset

No.	Code	Exit	Exit		Troubleshooting
1	27				
2	07			Over Current	Controller
3	06			Over Voltage	Controller
4	05			Under Voltage	Controller
5	04			Throttle un-reset	Throttle
6	31			Throttle Fault	Throttle
7	32			Under Voltage Protection	Battery
8	08			Over Voltage Protection	Batter
9	09				Motor
10	10	Other	Version No.	Motor Temperature Sensor Fault	Motor
11	11			Motor Temperature Sensor Fault	Motor
12	14			Controller Temperature Sensor Fault	Controller
13	15			Controller Temperature Sensor Fault	Controller
14	12			Current Sensor Fault	Controller
15	23			Light Fault	Light
16	35			15V Power Test Fault	Controller
17	36			Remote Test Circuit Fault	Controller
18	21			Speed Sensor Fault	Speed Sensor/Controller

9). Error Code

**3. Warranty**

Nanjing DMHC Technology Co., Ltd. (hereinafter referred to as "DMHC") guarantees that: The warranty service will be provided by DMHC within the warranty period, for the products purchased from DMHC by vehicle manufacturers and distributors occurred any problem because of product components materials and production processes.

Warranty period and scope:

\* Warranty within 15 months from the date of delivered.

Products conforming to the above warranty statement, but if the damage is caused by one of the following circumstances, it is not covered by the warranty:

1. Due to modification, neglect or improper maintenance, for competition or commercial purposes, or due to misuse or abuse, or damage caused by traffic accidents;
2. Damage occurred during the customer's transportation;
3. Product damage caused by unreasonable installation, commissioning or maintenance;
4. Damage caused by non-material or process reasons, such as damage caused by improper use by consumers;
5. Damage caused by changes in the appearance and surface of the product, and the damage does not affect the function of the product;
6. Damage caused by repairing and installing from non-designated repair points or dealers by DMHC
7. Normal damage to the product.

DMHC has the right to choose to repair or replace, and DMHC's sole responsibility is limited to product repair or replacement. When vehicle manufacturers or dealers encounter quality problems when using or selling DMHC products, they can report the purchase order, production batch number and product serial number to DMHC after-sales service department, it will be repaired or replaced free of charge after the products confirmed to be within the scope of the warranty. If you need repair service expired the warranty period, DMHC will charge the corresponding components, labor and transportation costs.

If DMHC products installed on the vehicle need to be repaired, please contact the vehicle manufacturer or dealer directly. If this warranty statement conflicts with the current laws of China, the laws shall prevail. DMHC reserves the right to modify the above terms without prior notice.