

Welcome to the ECOBIKE family!!! Congratulations, and thank you for deciding to purchase an ECOBIKE. ECOBIKE is a highly-advanced motorized bicycle designed to maximize riding efficiency, integrated with ergonomic components to create a very comfortable cycling experience. By purchasing your ECOBIKE, you have chosen to be a consumer with conscience – thinking beyond the standard, and taking a proactive approach to ecological sustainability that compliments your lifestyle. We guarantee that riding your new ECOBIKE will be a fully enjoyable experience; one that will expand your path to a healthy lifestyle, both physically and environmentally. The goal of ECOBIKE North America is to create the highest quality, most functional, most cost efficient transportation solution to petrol based CO2 emitting vehicles, minimizing the environmental impact, but practical enough to use on a daily basis (weather permitting).

**RIDE FOR
ENJOYMENT
EXERCISE
AND THE
ENVIRONMENT!!**

Due to on-going improvements in our product lines, some parts or structural features of the bike may vary from those illustrated in this manual. As always, if you have any questions, please don't hesitate to contact us.

ECOBIKE Customer Service 541-210-5546

service@ecobike-usa.com

Thank you and welcome to the family,

Sincerely

Scott Shaw, ECOBIKE North America, Founder

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1. About your **ECOBIKE**

Reading this manual in-full will help you with the assembly, proper use and care/maintenance of your new ECOBIKE. Your ECOBIKE has been carefully built in accordance to the highest bicycle standards and in compliance with ISO 9001, UL, and CE factory certifications. We have taken great care to deliver a quality product, free from defects, but we are not perfect, please contact our very capable customer service department with any questions.

Email: service@ecobike-usa.com

Your ECOBIKE has the anatomy of a standard BICYCLE, but it is enhanced with a built-in motor, controller and battery to ASSIST you in motion. This BICYCLE is NOT a scooter. Pedaling this bike will get you the most efficiency and distance; the least amount of wear and tear on the bike and the most amount of exercise for you.



Your ECOBIKE is a specialized motorized machine, please take the time and care to read and understand this manual and all applicable traffic laws. Practice in a safe area before using it in traffic areas.

- **Wear your Helmet at all times!**
- **This bike is designed for a single rider ONLY, NO PASSENGERS.**
- **Be careful in wet/damp conditions or where there is loose dirt/gravel on the road surface.**
- **When braking, use both brakes to provide adequate stopping power.**
- **Do not ride at night, if you must, wear bright clothing and provide additional lights.**
- **Maintain your ECOBIKE properly.**

2. Specifications

Performance

Maximum speed (motor only): 18 miles/hour (30 kilometers/hour)*

Maximum range: pedal assisted 1:1 > up to 18 miles (29 kilometers)* Electro motion only > up to 11 miles (18 kilometers)*

Rated load: 260 lbs (120 Kilograms) *

***Note: many factors affect speed and range capabilities of the ECOBIKE. Terrain, average speed, rider weight, tire pressure, winds, hills, etc., all have an impact on mileage and speed.**

Stats

Frame: Light weight 6061 Aluminum

Tire: 20"x1.75" thorn-resistant tubes and puncture-resistant tire liners

Brake: Front V-brake and rear V-brake

Saddle: CIONLLI comfort with suspension seat post

Motor: 260W geared brushless motor (at rear wheel)

Start Mode: Zero-start, 1:1 assisted power

Battery: 36V 8AH, Lithium Manganese Oxide Li-MnO₂ 8.4 lbs (3.8Kgs)

Charger: AC 100V-240V, 50HZ-60HZ current ≤ 1.8A

Wheelbase: 41.73 inches (1060mm)

Handle bar: Handle bar 130° degree orientation

Net wet: 49lbs (22 Kilograms)

Folded Size: 35"x17"x29" (88*42*74 cm)

Warranty (reference website www.ecobike-usa.com)

Battery: 90 days, full replacement. Does not include shipping or handling. Any misuse can void the warranty.

Electronics: 12 months, full replacement on defective parts only, does not cover labor or freight costs. Any electronic components including the motor

Mechanical: 12 months, full replacement on manufacturer defective parts only, does not cover labor or freight costs

3. Parts Identification



- | | |
|---|--------------------------------|
| 1. Rear Carrier | 13. Twist Grip Throttle |
| 2. Rear LED Light | 14. Bell |
| 3. Quick-Release Seat Post Clamp | 15. Front LED Light |
| 4. Saddle | 16. Fender/Mud Guard |
| 5. Battery Box | 17. Front V-Brake |
| 6. Power On/Off Key Hole | 18. Front Tire/Wheel Clamp |
| 7. Battery Lock Key Hole | 19. Spokes |
| 8. Quick Fold Pedals | 20. Front Fork |
| 9. Quick Release Folding Frame Clamp Assembly | 21. Chain Guard |
| 10. Head Stem Folding Clamp Assembly | 22. Brushless Hub Motor |
| 11. Handlebar Head Stem | 23. Derailleur-SHIMANO Tournay |
| 12. SHIMANO 6-Speed Twist Shifter | 24. Center Frame Stand |
| | 25. Charging Port |

4. Unpacking, Assembly and Operation of your ECOBIKE

(Refer to Parts Identification graphic section 3)

I. UNPACKING- Carefully undo the strapping and tape on the exterior of the box. Make sure there are no protruding staples in the box to avoid scratching the paint. It is best to have two people lift the bike straight up and out of the box. Once the bike is out, set it on a soft flat surface. Remove the remainder of the accessories from the box. Discard box and packaging materials, and always recycle what you can!

The folding bike is completely assembled --- NO TOOLS REQUIRED!
We have included a toolset for future use to make minor adjustments.

II. UNFOLDING MAIN FRAME- Put bike in upright position resting on the tires and center stand (Part Identification #24) under the bottom bracket. Undo any ties holding it in the folded position.



Carefully hold the rear tire stationary and rotate the front section of the bike clockwise to straighten body. At the hinge point, find the quick release lever (Part Identification #9), lift this pin lever up and close frame hinge. **MAKE SURE THE PIN SNAPS BACK DOWN INTO HOLE POSITION WHEN CLOSED, THEN ROTATE QUICK RELEASE LEVER ARM FORWARD.** (If pin is not properly seated you will not be able to rotate this lever arm forward, you will need to close hinge tighter, it will be a snug fit as it is the main body of the frame) Once the quick release lever arm is facing forward, push the quick release down. If all of these steps are not completed **DO NOT RIDE> IF YOU DO NOT UNDERSTAND THESE STEPS- CALL CUSTOMER SERVICE. MAKE SURE THE FRAME CLAMP IS PROPERLY CONNECTED AND QUICK RELEASE CLAMP IS TIGHT BEFORE EACH RIDE.**

III. HANDLEBAR ASSEMBLY- Once frame body is connected and locked in place put the kickstand down and let bike stand alone. Holding bike, rotate the front wheel so it is facing forward position, make sure all cables are untangled and slacked.

At the handlebar head stem hinge clamp assembly (Item #10),

Unscrew the locking mechanism (black plastic wing bolt. Carefully lift the handlebar assembly (Item #11) to the vertical position, make sure cables are unobstructed. Once the handlebar head stem hinge clamp assembly (Item #10) is closed, screw the locking mechanism wedge into receiver to lock tight (snug hand tight fit is fine).

DO NOT RIDE IF YOU DO NOT UNDERSTAND THESE STEPS - CALL CUSTOMER SERVICE.

MAKE SURE THE HEAD STEM CLAMP IS PROPERLY CONNECTED AND IS TIGHT BEFORE EACH RIDE.

IV. SEAT- Insert seat post (Item #3) into the frame and adjust to comfortable safe height with both feet on the ground. Tighten Quick Release clamp.



If your seat post projects from the frame beyond the Maximum Extension mark, the seat tube may break which could cause you to lose control and fall. The Maximum Extension label must not be visible after installation.

Make sure all bolts and quick releases are tight on entire bike. Sit on bike and make sure you are comfortable. We suggest you try riding in an open safe place without the power on to ensure you are comfortable with the shifting mechanism on the left hand grip, rolling it with your index finger and thumb, and (in power off mode) try the throttle, twist/roll the inner part of the right hand grip toward you. When you release the throttle it will automatically roll back to position.



IMPORTANT: CHECK ALL QUICK RELEASE LEVERS TO MAKE SURE THEY ARE TIGHT BEFORE EACH RIDE. FAILURE TO DO SO COULD RESULT IN SERIOUS INJURY OR DEATH.

V. PEDALS- Your ECOBIKE is equipped with special quick-fold pedals. On the interior open area of the tread there is a flat metal plate with a hole, rotate the pedal until you see the arrow. Carefully insert your finger in the hole and slide plate in direction of arrow and lower pedal so it is perpendicular to crank arm. It will automatically lock into

place. Make sure it is locked in place before riding.

VI. TIRES- Check that the tires are inflated to the correct pressure noted on the sidewall of the tire. The ECOBIKE has tires with puncture resistant K-Shield inner band and comes standard with puncture resistant tubes. These are designed to be resistant but are NOT puncture proof, always be aware of the surface you are riding on. If there is rapid tire pressure loss, do not re-inflate, have it inspected by a bicycle tire professional, replace if necessary.



Never inflate a tire beyond maximum pressure marked on the tire's sidewall. Exceeding the recommended tire pressure may blow the tire off the rim, which could cause damage to the bike and injury to the rider and bystanders.

VIII. TIME TO POWER UP!

READ ENTIRE SECTION BELOW COMPLETELY BEFORE RIDING

Take keys and lock battery into place (Item #7). Insert key into Ignition Key Hole (Item #6) and when ready turn clockwise to POWER ON. BE CAREFUL THE BIKE IS NOW POWERED ON- DO NOT TOUCH THROTTLE RIGHT HAND GRIP. Check lights to make sure they are illuminated on the throttle assembly (right-hand grip). Assume a comfortable riding position on the bike. Initiate manual pedaling to get the bike rolling. AFTER SEVERAL ROTATIONS OF THE PEDALS YOU WILL FEEL THE PEDAL ASSIST SYSTEM (PAS) ENGAGE. This will propel you automatically as you pedal BE CAREFUL and make sure you are in a safe open location. IF YOU FEEL UNSECURE SQUEEZE BOTH BRAKE LEVERS AND THE MOTOR WILL AUTOMATICALLY DISENGAGE AND TURN OFF, CAREFULLY ROLL TO A STOP.

After you feel comfortable with the PAS system, begin pedaling to ride the bike again, and when ready, stop pedaling and SLOWLY ROLL THE THROTTLE TOWARD YOU TO ENGAGE THE MOTOR. You can now feel the power! It is important that the bike is rolling before you engage the throttle only feature, DO NOT ENGAGE THE THROTTLE FROM A COMPLETE STOP. This will cause DAMAGE TO THE MOTOR AND CONTROLLER; it will also diminish the battery charge rapidly.

GET OUTSIDE AND ENJOY THE RIDE...SMARTER NOT HARDER!

REMEMBER - ALWAYS WEAR A HELMET

AND PROPER CLOTHING!

Always store your new ECOBIKE, battery and charger in a clean indoor environment.

5. Battery Use, Care and Maintenance

For the proper use, maintenance and storage of this battery, it is highly important that you read and understand ALL the instructions described in this manual. Disregarding this advice will VOID Warranty.

Your ECOBIKE is equipped with a state-of-the-art Lithium Ion battery pack and contains sophisticated battery management components and circuitry, NEVER OPEN THE BATTERY BOX, doing so will VOID ALL WARRANTIES. Call Distributor with any questions or concerns.

Prior to charging make sure key is in the OFF position. Never charge the battery with the key on, this can cause immediate damage.

The battery can be charged conveniently while on the bike if it is near a power outlet, or it can be removed by unlocking the battery lock with the key. Undo quick release on seat post and remove seat post and seat. Lift handle located on top of the battery and pull/slide the battery box vertically out of its holding slot. To re-insert the batter, reverse these steps.

First, make sure charger is UNPLUGGED. Make sure key is in OFF position. Charge battery in an open, well ventilated area, not a closet or confined space.

Second, insert charger pin connector lead into charging port on battery located under handle.

Third, plug charger into 110V wall socket, the charger lights will turn on. DO NOT PLUG INTO 220V

The charger is equipped with an automatic smart charge feature, and there is no danger of overcharging. However, we strongly suggest disconnecting the battery and unplugging the charger as soon as the charging process has been completed. There is no "memory" effect and the battery can be charged at any battery level. Always keep the battery charged up, this will extend the life of the battery. NEVER LET

THE BATTERY SIT FULLY DISCHARGED FOR ANY PERIOD OF TIME, THIS WILL SERIOUSLY DAMAGES THE RECHARGE CELLS.

When storing the battery or when not in use for extended an period of time, (more than 2 weeks) fully charge the battery. Charge the battery at least once a month.

Battery Use, Care and Maintenance

(refer to the **Battery&charger Instruction Manual**)



Never charge the battery in wet or damp conditions. Short circuitry could occur resulting in irreversible damage to electronic components. Fire and electrocution may also pose a serious safety hazard that might result in injury or death.



Never allow children to play with the bike, battery or charger unit. Charging should only be performed by adults.



Keep the battery away from excessive heat and/or open flames. Avoid long-term exposure to direct rays from the sun.

Protect the battery from water or other moisture. If the battery becomes wet from rain during use, dry it as soon as possible. Remove the battery from the electric bicycle before cleaning the bike with any liquid.

6. Before Riding

Check that your bicycle has met with all safety precautions before riding off. The following checklist is designed to be a rough guide to follow:

Frame and Fork



Check to see that the frame and fork are not damaged. Bent or fractured frames or fork will pose a serious safety hazard.

Wheels and Tires



ECOBIKE use KENDA K-SHIELD tires to avoid puncture proof, K-SHIELD is a layer of aramid and ceramic particles inside the tire under the tread area only designed to prevent punctures. This is Kenda's base level of puncture resistant material. We also use firmly double aluminum wall rim.

Check to see that your bicycle wheels have no missing or damaged spokes. Feel the spokes to ensure they are tight. If your wheels are not true (straight) take it to a professional for calibration. Check the tires to see that they are properly inflated to the recommended tire pressure. Tighten bolts and nuts accordingly.

Handlebar and Stem



Make sure that the handlebar and stem are correctly positioned to 'face forward' position. Check the grips to ensure they do not slip.

V-Brakes



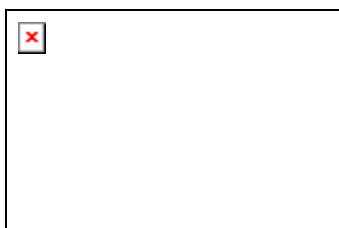
To check, squeeze the brake levers. The brake pads should not exceed beyond 2mm away from the rim. Make sure your brake cables are unobstructed by other cables or accessories. Take your ECOBIKE periodically to a professional bicycle mechanic to have the brakes properly adjusted.

Chain

Turn the pedal crank arms to ensure the chain runs smoothly. Check that the chain is lubricated and clean. Tension of the chain can be changed by tightening or loosening the chain adjuster (located at the end of the frame by the rear wheel). Take your ECOBIKE periodically to a professional bicycle mechanic for proper chain maintenance.

Electronics

Ensure that all wires through the electronic system are securely fastened in place. Loose wires may result in power failure and might even cause a short circuit, damaging sophisticated electronics beyond repair.

Gear:

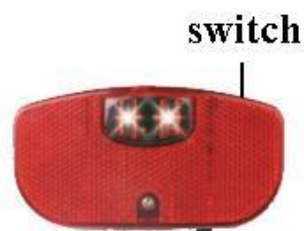
ECOBIKES use SHIMANO 6-speed gears. The Revo shift located on the left-hand grip has been retrofitted to adapt the throttle on the right. IMPORTANT NOTE the numbers you see are upside down. To up-shift to the highest gear roll the grip away from you, to down-shift to the lowest (easiest) gear roll grip toward you. Please consult the SHIMANO operation manual regarding gears that is provided with your purchase for all other operations of the gearing

Night Riding

Riding a bicycle at night is much more dangerous than during the day. You should not ride at dawn, dusk and night unless absolutely necessary. In consideration of your safety, ECOBIKE has s SUPER LIGHT LED front and rear light with powered by separate internal batteries. To install batteries, make sure switch is off. Use small screwdriver to remove body or lens, carefully open unit and install batteries in the direction shown.



4 FUNCTION 5 LED



2 SUPER BRIGHT RED LED

7. Safety Tips

If you are unsure whether your bicycle will operate safely and efficiently, take the bicycle to a professional bicycle service center for proper adjustment. **BY LAW YOU MUST WEAR A HELMET** whenever you ride the bicycle.

Safe and Responsible Riding

Like any sport, bicycling involves risks. By choosing to ride a bicycle, you assume the responsibility of its maintenance, and of your competence as a rider. Awareness and adherence to the rules of safe and responsible riding are inherent aspects of cycling.

Because the ECOBIKE is a comfort city bike, it is made for commuting purposes only. Be advised that its use is not intended for other purposes such as mountain biking, speed cycling, downhill riding and stunt biking. The purpose of the ECOBIKE is for quiet, easy and efficient commuting for fun.



If your seat post projects from the frame beyond the Maximum Extension mark, the seat tube may break which could cause you to lose control and fall. The Maximum Extension label must not be visible after installation.



After any saddle adjustment, be sure to tighten the saddle adjusting mechanism properly before riding. A loose saddle clamp or seat post binder can cause damage to the seat post, causing you to lose control and fall. A correctly tightened saddle adjusting mechanism will allow no saddle movement in any direction. Periodically check to make sure saddle adjusting mechanism is properly tightened.



The shorter the brake lever reaches, the more critical it is to have correctly adjusted brakes, so that the full braking power can be applied within available brake lever travel. Brake lever travel insufficient to apply full braking power can result in loss of control, which may result in serious injury and death.



Many countries require specific safety devices. It is your responsibility to familiarize yourself with the laws of country where you ride and to comply with all applicable laws, including properly equipping yourself and the bike as the law requires.



Pushing the bike

If you have e-bike mode, the motor could be activated accidentally if you have the switch on and if your hand is resting on the throttle while pushing the bike. To avoid this do not turn the power on until you are ready to mount the bike. Always switch off the power key lock or the throttle switch as soon as you get down from the bicycle.



Never inflate a tire beyond maximum pressure marked on the tire's sidewall. Exceeding the recommended tire pressure may blow the tire off the rim, which could cause damage to the bike and injury to the rider and bystanders.



Riding at dawn, at dusk, after dark or at times of poor visibility without a bicycle lighting system which meets local and state laws and without reflectors is illegal, dangerous and can result in serious injury or death.

8. The Basics

1. Always do mechanical and electronics inspections of the bicycle before you get on.
2. Always wear a cycling helmet which meets the latest Snell, ANSI or other approved standards.
3. Be careful to keep body parts and clothing away from the chain wheel, the moving chain; the turning pedal and cranks; and the spinning wheels of the bicycle.
4. Always wear shoes that will stay on your feet and will grip the pedals. Never ride barefooted or wearing sandals.
5. Be thoroughly familiar with controls of your bicycle.
6. Wear bright, visible clothing that is not so loose that it will catch in the moving parts of the bicycle or be snagged by objects at the side of the road.
7. Think about your speed and keep your speed at a consistent level compatible with road conditions.
8. Be reminded that during wet weather conditions, brake distance will vary quite differently from dry weather conditions. Be advised to pay extra attention during these conditions and brake earlier than you usually do during dry weather conditions.
9. Always follow road safety laws in the State or Country you are riding in, especially laws applicable to bicycles. Avoid as much as possible riding a bicycle in wet weather conditions and in poor visibility conditions such as night cycling in a fog.
10. The electronic controls are installed with overload protections. When the power gets cut off in an overload situation, you have to turn the power off with the keys and start again. The second level overload protection is the 30 amps fuse installed at the battery box. If restarting fails, check the fuse. Replace fuse if it has blown,
11. Low voltage protection. To prevent the battery from deep discharge that will irreversibly damage the battery, the power will cut off when it reaches a certain low voltage protection. When you see that the battery level indicator shows the yellow / orange warning light it is necessary to charge your battery again. When the minimum battery level is reached the electric motor will not function smoothly.

9. Things to Avoid

1. Avoid letting the battery sit for more than several days, uncharged.
2. Avoid sitting on the bicycle when it is parked with the kickstand down.
The kickstand is not designed to support the weight of a person on the bicycle when parked.
3. Avoid excessively loading items on the rear carrier, which is designed for a maximum weight of 49 lbs (25 kgs).
4. Avoid riding the bike in heavy rain or loose gravel.
5. Avoid sudden and hard braking.
6. Avoid dropping the battery
7. Avoid short circuiting the battery
8. Avoid deep discharge of battery
9. Avoid carrying or lifting the bicycle by the saddle, this will cause damage to the plastic structure of the saddle.
10. Avoid excessively loading the motor on steep hills, climbs or during maximum acceleration as this will reduce the life span of motor and battery.

10. Maintenance and After-Sale Service

This complete and comprehensive guide to your ECOBIKE provides all the information necessary for you to have an ongoing, enjoyable and fulfilling experience with our new bicycle. The product passed stringent quality testing prior to shipment. If the information in this manual is not clear or you have any problem understanding any part of this manual, please do not hesitate to contact the dealer where you purchased the ECOBIKE, or the after-sale service department of our company.

After-sale: Direct Dial: 541-210-5546

E-mail: Service@ecobike-usa.com

USA or Canada Inquiries Only