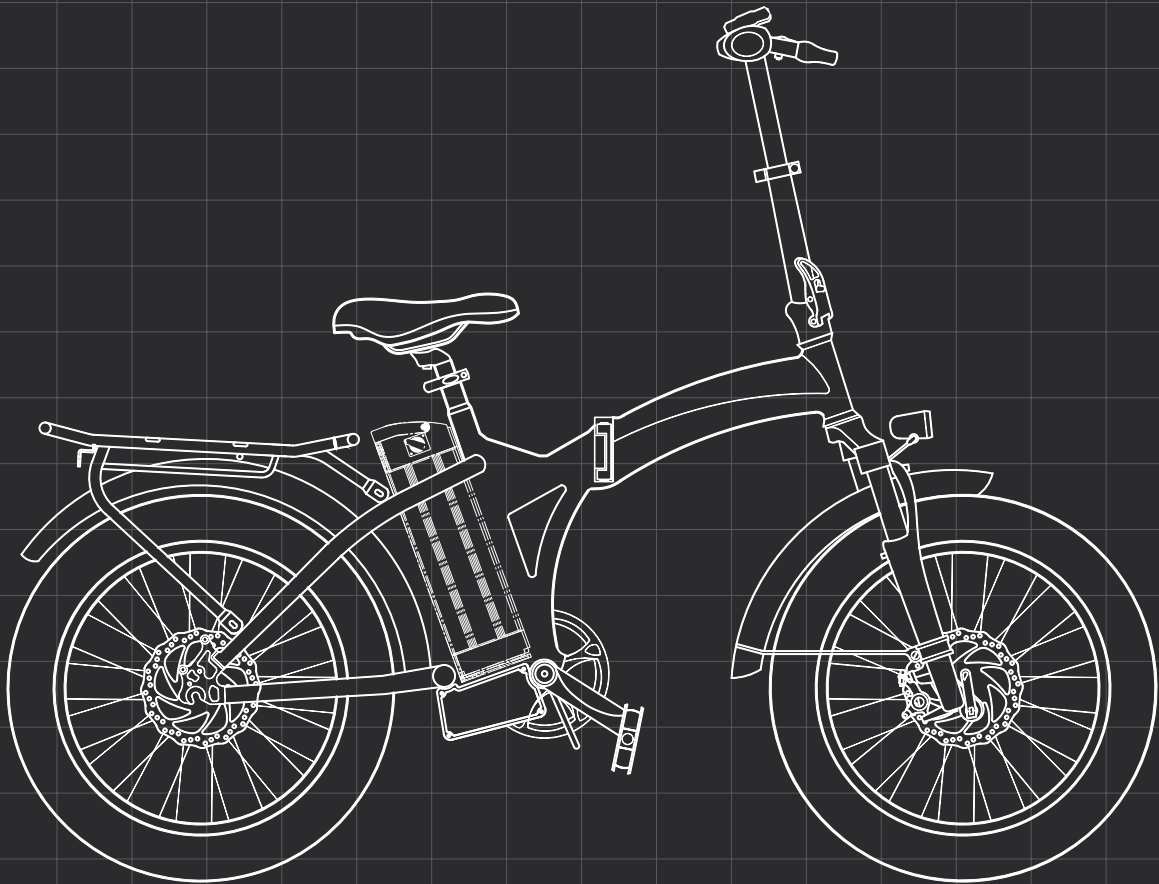


USER MANUAL

rydyBIKES



www.rydybikes.com

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rydybikes ebike manual

Hi there!

Thank you for choosing Rydy Bikes! Our Model 1 e-bike offers a quality, zero-emission, battery-powered ride with great performance and reliable after-service. It's designed to ensure your safety and provide an enjoyable experience for you and the environment.

Using this Manual

This manual contains important information about your Rydy Bikes Model 1, including its features, operation, and maintenance. It's crucial to read it carefully before riding to ensure your safety and prevent accidents. Keep this manual handy as a reference for product knowledge and safe riding.

Throughout the manual, you'll find important Warnings and Cautions highlighted in red boxes. These provide guidance on the safe operation and the consequences of not following the guidelines. Take special care to review them to avoid any hazardous situations.

Please note that while we strive to cover various situations, this manual may not address every condition you may encounter while riding. Riding a bike always involves some risks that are the rider's responsibility. Keep this manual and any accompanying documents for future reference. Remember, the content in this manual may change without notice, and Rydy Bikes is not liable for any errors or inaccuracies.

Enjoy!

We want you to enjoy your Rydy Bikes Model 1 and have a safe riding experience. Let's get started!



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Before riding, it is crucial to conduct the following functional checks to ensure safety:

- 1 - Verify the proper operation of the lights, brakes, and power cut system.
- 2 - Check the tire pressure. Low pressure can affect both the range and speed of the bike.
- 3 - Ensure that the wheel axles are properly tightened.
- 4 - Check the battery charge level.
- 5 - Adjust and verify the proper functioning of the braking system.



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Getting Started

Gently remove your Rydy - Model I from its packaging. Ensure that you handle it with care to avoid any damage during the unboxing process.

Please refer to the provided pictures for a visual guide on the complete installation process. Follow the step-by-step instructions illustrated in the images to ensure a proper and successful installation of your electric bike.

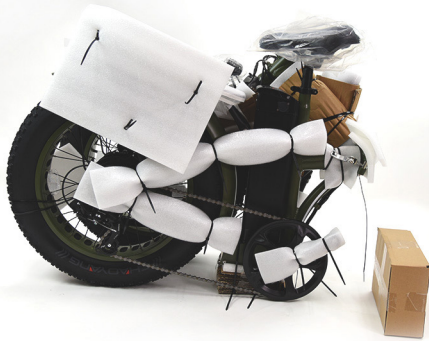
1



2



3



Carefully remove your bike from the box. Handle it gently to avoid any potential damage.

4



Take off the protective covers or materials from the bike.

ASSEMBLY INSTRUCTIONS

5

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5



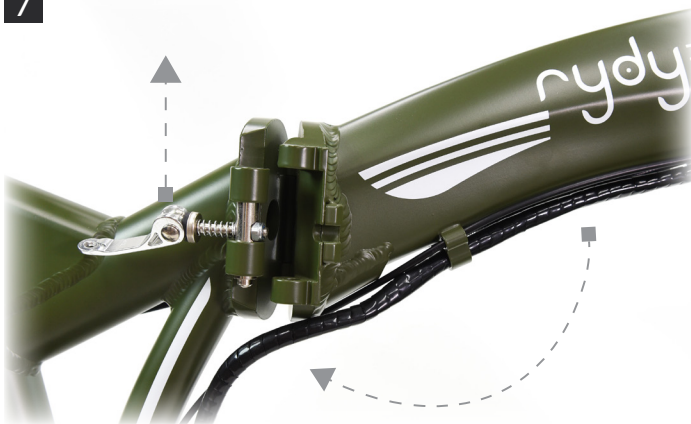
Once you have removed the protective materials, your bike should resemble the image.

6



Unfold the ebike

7



Lift the latch and unfold the bike completely while keeping the latch raised. Rotate the latch to the right and tighten the lever to securely lock the frame.

8



Once properly locked, it should resemble the image provided.

9



Insert the stem into its position while the headtube is folded.

10



After placing the stem in position, lift the latch upward and push it to securely lock it in place.

ASSEMBLY INSTRUCTIONS

6

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Install the pedals. No tools are necessary; you can easily secure them by hand.



Charging the Battery While Attached to the Bike
(see page 7 for reference)



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Detaching the Battery for Independent Charging

- 1- After each use, it is recommended to recharge the battery pack. Fortunately, there is no memory effect, so you can charge the battery even after short periods of use without causing any damage.
- 2- When charging the battery, ensure that it is turned off.
- 3- To remove the battery, follow these steps:
 - a. Bring the key to the “unlock” position by pushing it and turning it left.
 - b. Remove the saddle.
 - c. Slide out the battery.
- 4- Charge the battery at home in a dry and shaded area, away from water and sunlight. Don't turn the battery upside down while charging as it may reduce its lifespan drastically.
- 5- Connect the input plug (110V/220V terminal) to the power outlet.
- 6- Allow the battery to charge until it reaches full capacity. When the indicator light on the charger turns green, it means that the battery is fully charged.
- 7- Once the battery is fully charged, unplug the input and output plugs from the power.

Charging the Battery While Attached to the Bike

Ensure that the bike is turned off before starting the charging process and simply apply the same rules above other than removing the battery from the bike.

Charging Tips

The battery pack should be recharged after each use. There is no memory effect so you can charge the battery after short periods of use without damage.

The battery can be recharged on or off the bike.

Remove the battery by turning the key and then pulling forwards and upwards carefully until the pack lifts off.

The charger will automatically stop once the battery pack is full.

Always charge in dry conditions and indoors away from direct sunlight.

Check charger cables, charger, and battery for damage before beginning each charge.

Duration of Charging

When the input and output terminal are connected, the red indication light of the charger will be turned on, showing that the power is being connected.

When the battery is charged for the first time, 8-10 hours should be spent for charging. When the yellow indication light of the charger is turned on, showing that the battery is basically full and it will switch to trickle charge mode to ensure that over-charging will not occur, it takes 2-8 hours for normal charging.

This charger has the protection device for over-charging. Long time charging should not be more than 24 hours without affecting the life time of the battery.

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Driving

To start up your Model I, follow these steps:

- 1- Turn on the ignition by inserting the battery key and turning it to the **ON** position.
- 2- Locate the M button on the control panel. Press and hold the M button for approximately 3 seconds.
- 3- Your Model I should now be powered on and ready to use.

Driving Tips

- 1- To reduce consumption, increase autonomy, and extend the motor lifespan, pedal during startups and climbs.
- 2- Avoid engaging the throttle too quickly. Accelerating slowly will help extend the motor lifespan and reduce the risk of damage to the electric system.
- 3- The controller has charge overload protection. If an overload occurs, energy will be automatically cut off and restored when it returns to normal.
- 4- While stopping, don't use the throttle as you brake.
- 5- The recommended maximum load is 250 lbs.

Parking

- 1- When pushing the bike manually, it is advised to turn off the system to prevent accidental acceleration and potential accidents.
- 2- For indoor parking, remember to turn off the power and remove the keys.
- 3- When parking in a public place, ensure compliance with local traffic rules for e-bike parking.

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To ensure safe riding conditions you must properly maintain your bike. You should follow the basic guidelines below and see your certified local bike shop seasonally to ensure your bike is safe for using.

Regular Self-checks

- 1- Tightening and correct operation of both wheels, frame and front fork.
- 2- Tire pressure and conditions.
- 3- Gearshift correct operation.
- 4- Bell and reflectors conditions and correct operation.
- 5- Braking system correct operation.
- 6- If you do not use the vehicle for long periods of time, charge the battery at least once a month, to avoid reducing its lifespan.

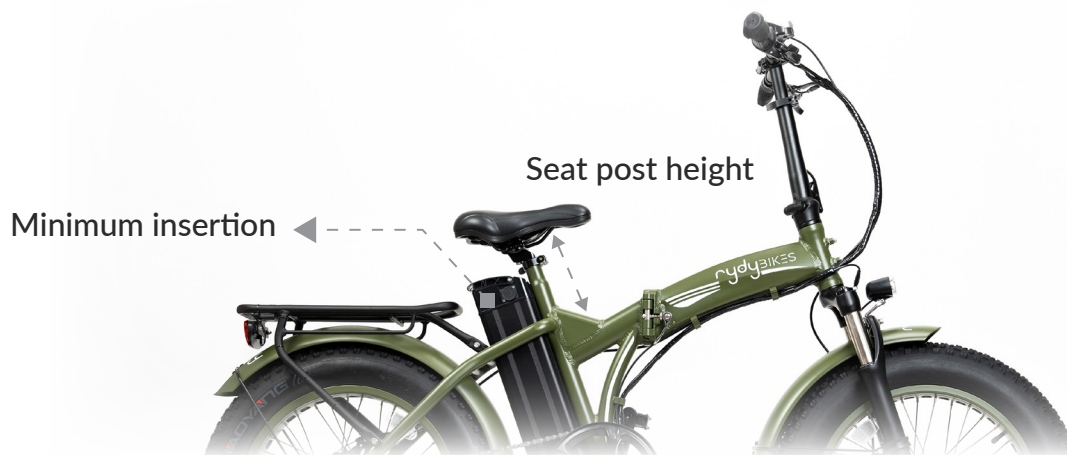
Maintenance and Cleaning Tips

- 1- Do not wash with high pressure jets to prevent water infiltration into the electrical system.
- 2- Dirt on painted surfaces should be removed with a neutral product. Then, wipe with a dry cloth .
- 3- Lubricate the vehicle with suitable lubricant, after washing.
- 4- Do not apply lubricant on the brakes, brake levers, rims, tires, battery and controller.

	SYMPTOMS	POSSIBLE CAUSES	MOST COMMON SOLUTIONS
1	It doesn't work	(1) Insufficient battery power (2) Faulty connections (3) Key in wrong position	(1) Charge the battery (2) Clean the connections (3) Turn the key into the correct position
2	Irregular acceleration and/or reduced top speed	(1) Insufficient battery power (2) Loose throttle magneto (3) Damaged throttle spring	(1) Charge the battery (2) Weld and adjust (3) Contact an Authorized Service Center
3	When powered on, the motor doesn't respond	(1) Loose wiring (2) Loose throttle magneto (3) Loose or damaged motor wiring plugs	(1) Repair and/or reconnect (2) Weld and adjust (3) Contact an Authorized Service Center
4	Reduced range	(1) Low tire pressure (2) Low or faulty battery charge (3) Driving with too many hills, braking, departures, and/or excessive load (4) Battery discharged for long period of time, without regular charges, aged or damaged	(1) Adjust the tire pressure (2) Check the connections and/or fully charge the battery (3) Help with the pedals (4) Replace the battery (5) Make a prolonged battery charge
5	The battery won't charge	(1) Charger not well connected (2) Battery cases fuse blown (3) Battery wiring disconnected or with a bad	(1) Adjust the connections (2) Replace the fuse (3) Reconnect/repair the wiring
6	Driving wheel makes strange noises	(1) Charger not well connected (2) Battery cases fuse blown	(1) Replace the bearing (2) Adjust/replace the rim

NO	PARTS	TORQUE REQUIRED (N.M)
1	Handlebar	18-20
2	Handlebar-stem	18-20
3	Saddle	18-20
4	Seat-pillar	18-20
5	Front wheel	16-25
6	Rear Wheel	25-35
7	B.B Parts	35-55

Minimum Saddle Height Guide



To adjust seat height, use quick release lever to set free the seat post and pull upwards or push downwards to reach desired height.

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Frequent braking and starting, riding uphill against a strong wind, starting from a standstill and riding on rough or muddy roads, and carrying more than one person, or heavy loads will consume extra battery power and shorten the range.

A few tips to prolong the battery life during these condition is as frequently.

- 1-** Frequent Braking-try to look ahead and coast rather than stop and go frequently.
- 2-** Riding uphill or against a stiff wind-pedal to make supplement to the battery power.
- 3-** When starting from a standstill-use the pedals to help bring you up to speed.
- 4-** When the battery meter indicators the voltage is low, switch to manual power and avoid using the battery so you don't shorten the battery life.
- 5-** If the battery is being stored, remove the battery from the bicycle and recharge it every month.

Useful Tips

- 1-** This user manual should be used only to reference use and functions but should not be used as a reference for inspection.
- 2-** The images shown may differ from the actual model to technical improvements.
- 3-** We reserve the right to change the model without prior notice due to technical improvements.
- 4-** The vehicle has a top speed limiter. For safety purposes, its removal is strictly prohibited.
- 5-** Ensure pre-ride checks are performed before each and every ride .
- 6-** Only allow others to ride who have already been adequacy trained on the use and operation of this product.

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General Safety Warning

Like and sport, bicycling involves risk of injury and damage. By choosing to ride a bicycle, I you assume the responsibility for that risk, so you need to know - and to practice - the rules of safe and responsible riding and of proper uses and maintenance.

Proper use and maintenance of your bicycle reduces risk of injury.

Your bicycle is designed for use by persons 16 years old and above.

Riders must have the physical coordination, reaction time and mental capability to ride and manage traffic, road conditions, sudden situations and also respect the laws governing bicycle use where they ride, regardless of age.

If you have an impairment or disability such as a visual impairment, hearing impairment, physical impairment, cognitive/language impairment, or a seizure disorder, consult your physician before riding any bicycle.

Safety Notes Before First Use

Your bicycle comes with additional documents and manuals the manufacturers of the system components. These documents must also be read before using this product.

All users must read this manual before first use.

Ensure that you comprehend with all instruction and safety notes.

Ensure the bikes fits you properly before first use. You may lose control or fall if your bike is too big or too small.

Always wear an approved bicycle helmet while using this product and ensure that the helmet manufacturers instructions for fit and care followed .

Ensure correct tightening and setup is performed on your bicycle before first use and checked regularly.

It is your responsibility to familiarize yourself with laws and requirements for the operation of this product in the area(s) where you ride.

Additional Safety Tips

Ensure handlebar and grips are not damaged and improperly installed. Loose or damaged grips can cause you to lose control and fall.

Failure to wear a helmet when riding many result in serious injury or death.

Do not use this product with standard bicycle trailers, stands, or vehicle bicycle racks. Contact the manufacturer to check if your equipment will work with the bicycle.

Off-road riding requires close attention and specific skills and present variable conditions and hazards which accompany the conditions. Wear appropriate safety gear and do not ride alone in remote areas.

Take extra care while riding in wet conditions. Feet or hands can slip in wet conditions and lead to death or serious injury from a fall.

Do not remove front or rear reflectors or the handlebar bell.

Lights should and must be used in addition to reflectors in most locations.

Additional Safety Tips

Engaging in extreme riding is extremely dangerous and should be avoided. Although many articles advertisements/catalogue depict riders in extreme terrain, this not recommended nor permitted and you can be seriously injured or killed if you perform extreme riding.

Bicycles and bicycle parts have strength and integrity limitations and extreme riding should not be performed or you risk damaging the components or becoming seriously injured or killed.

Failure to confirm proper installation, comparability, proper operation, or maintenance of any component or accessory can result in serious injury or death.

After any incident you must consider your bike unsafe to ride until you consult with a certified bicycle service provider for a comprehensive inspection.

Failure to properly charge, store, or use your battery will void the warranty and may cause a hazardous situation.

Extreme care should be taken when using the pedal assistance sensor on this product. Ensure you understand and are prepared for the power assistance to prepare you as soon as pedaling is underway.

You should check the operation of the brake inhibitor switches before each ride. The brake system is equipped with an inhibitor which shuts down power to the electric motor whenever the brakes are engaged. Check proper operation slowly while in a controlled environment by riding slowly with the motor engaged and applying the brake levers are engaged.

User must understand the operation of the twist throttle and pedal assist sensors before using, and take care in their usage in respect to traveling at speeds appropriate for usage area and user experience level. Always use the lowest assist level until you are comfortable with the bike and feel confident in controlling the power.

Any changes to the product not expressly approved by original manufacturer could void warranty and care while riding.

Because electric bikes are heavier and faster than normal bicycles, they require extra caution and care while riding.

To avoid shock never submerge the electrical components in water or subject to salt water environments.

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Helmets

Make sure that you always wears an approved bicycle helmet when riding; but also make sure that you understands that a bicycle helmet is for bicycling only, and must be removed when not riding. A helmet must not be worn while playing, in play areas, on playground equipment, while climbing trees, or at any time while not riding a bicycle. Failure to follow this warning could result in serious injury or death. Do not let a child younger than 16 years old ride the bicycle.

Note for Parents

As a parent or guardian, you are responsible for the activities and safety of your child, and that included making sure that the bicycle is properly fitted to the child; that it is in good repair and safe operating condition; that you and your child have learned and understand the safe operation of the bicycle; and that you and your child have learned, understand and obey not only the applicable local motor vehicle, bicycle and traffic laws, but also the common sense rules of safe and responsible bicycling. As a parent, you should read this manual, as well as review its warnings and the bicycle's functions and operating procedures.