

# MODBIKES

DESIGNED AND ENGINEERED IN AUSTIN TX

MOD EASY OWNER'S MANUAL



## MOD BIKES

### **Congratulations on your MOD BIKES purchase!**

MOD BIKES is a uniquely engineered and designed line of e-bike models which represent the next generation of mobility. Our goal is to bring people out of their cars, out of traffic, and into a lifestyle experience that meets needs they didn't know they had.

**Ready to get moving?**

# |Contents

4	<b><u>Info Labels</u></b>
5	<b><u>Getting Started</u></b>
6	<b><u>Safety</u></b>
7	<b><u>Assembling your Bike</u></b>
8	<b><u>First Use</u></b>
9	<b><u>Display and Control Panel</u></b>
11	<b><u>Battery and Charger</u></b>
12	<b><u>Maintenance</u></b>
13	<b><u>Warranty</u></b>

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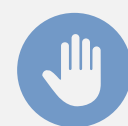
Disclaimer: This guide is intended to provide information to help you best use your MOD BIKE. The information provided here is intended for informational purposes only and is subject to change without notice. Please note that this is not a legal document.

**You're just a few steps away from your first ride! Before you head off, please read this user manual, which contains information to ensure that you have a better and safer experience and get more life and fun out of your MOD BIKES e-bike.**

To make things easy, we labeled the different kinds of information in this guide as follows:



Warning



Attention



Tip



Enviromental Note



# Getting Started

## Know Your MOD BIKES

MOD BIKES  
OWNER'S MANUAL

### Parts list:

- |                |                   |
|----------------|-------------------|
| 1. Display     | 13. Fender        |
| 2. Brake Lever | 14. Charging Port |
| 3. Stem        | 15. Pedal         |
| 4. Cable Cover | 16. Crank         |
| 5. Headset     | 17. Chain         |
| 6. Headlight   | 18. Derailleur    |
| 7. Tire        | 19. Freewheel     |
| 8. Rotor       | 20. Taillight     |
| 9. Hub         | 21. Rack          |
| 10. Rim        | 22. Saddle        |
| 11. Spoke      | 23. Seat Post     |
| 12. Caliper    | 24. Battery       |



# 1 Safety

**Riding any kind of bicycle involves risks and can result in damages, injuries and even death. You are responsible for your MOD BIKES product, experience and safety. Please read these instructions and ride carefully.**

- For safe riding, make sure you choose a bike that is appropriate for your height and weight.
- Always wear a helmet, make sure it is the right size for you, it fits snugly and that you buckle it when riding.
- Wear protective clothing and equipment for your riding level and terrain.
- Turn on your lights when riding in the dark or in low-visibility conditions.
- Keep in mind that you will be significantly more visible if you wear bright clothing.
- Keep your MOD BIKES e-bike maintained and in good working order. For more information, see page 12.
- Read the full battery and charger instructions on page 11.
- Be aware of your surroundings, pedestrians, motor vehicles and other cyclists. Be courteous to other riders, and be sure to comply with all traffic laws, rules and regulations.
- Follow all city rules and regulations that apply to your area.
- You are responsible for any changes you make to your MOD BIKES e-bike.
- MOD BIKES are marked with speed and weight limitations. Please note that exceeding these limits are done at your own risk.
- Wet conditions impair traction, braking and visibility for cyclists and other motor vehicles on the road. During wet conditions, the risk of an accident is significantly higher. Be aware of the risks and ride with extra care.
- Do not attempt to perform jumps, stunts or any other tricks that are outside the parameters of this e-bike.

👉 Using your MOD BIKES is done at your own risk. MOD BIKES is not liable for any accidents, or injuries.

👉 Regulations for electric bicycles and scooters vary by region and are constantly being updated. Check with your local authorities to find out how to use your e-bike in your area.

👉 This guide may not include the most recent updates. You can always find our latest guide online at [www.mod-bikes.com](http://www.mod-bikes.com).

👉 MOD BIKES is not liable for accidents, injuries or product malfunctions that occur as a result of unauthorized changes/modifications or tampering with any part of the original product.





# 2 Assembly


**Congratulations on your MOD BIKES purchase. It's time to get it out of the box and onto the road!**


Please follow these instructions for unboxing and assembling your MOD BIKES e-bike. You may also visit [www.mod-bikes.com](http://www.mod-bikes.com) for a detailed video. We highly recommend that you seek out the help of a skilled mechanic with this assembly.

1. Take all the contents out of the box.
2. Remove all the packaging.
3. Unfold the bicycle.
4. Assemble and tighten both wheels.
5. Fill both tires with air (35 psi).
6. Lean the bike on the kickstand.
7. Tighten all three stem screws.
8. Assemble the seat post.
9. Install pedals.

 These instructions are meant to serve as a guide only. The images used throughout the guide are for demonstration purposes only. Your actual bike may look different from the one shown here.

 All MOD BIKES packaging material is recyclable. Please dispose of all packaging in a green and environmentally friendly way!

 Your MOD BIKES box contains everything you need to assemble your bike. You don't need any other tools.

 Don't feel like assembling your bike on your own? Please visit your nearest bike shop for assistance.

# 3

## First Use

### Ready to ride? Here are a few things to keep in mind before you get moving.

- Make sure you read this user guide carefully.
- Always wear safety gear, including a helmet.
- If you need to make an abrupt stop, pull off the road to a safe spot away from other vehicles, pedestrians and any other obstacles.
- Before riding, make sure your battery is fully charged.

Let's get moving!

1. Charge your battery using the MOD BIKES charger provided. The charger light is red when charging and turns green when it's fully charged.
2. Connect the battery by sliding the battery into place and locking the battery or door using your MOD BIKES key.
3. Go over the safety checklist on [page 6](#) before every ride.
4. Adjust the seat and handlebars. If you're new to electric bikes, for your first few rides, adjust your seat so that you can reach the ground with your feet when your legs are straight. After riding for a while and getting used to the feeling, you can raise your seat to a more comfortable height.
5. Turn the display on by holding the "i" button on the control panel.
6. Turn the lights on by holding the "+" button on the control panel.
7. Adjust your driving mode by pressing the "+" and "-" buttons: 0 means no pedal assist, 1 is slow pedal assist, 2 is higher pedal assist and so on. This MOD BIKES model allows you to use the throttle ⚠ for maximum-speed without having to pedal.
8. Ride using pedal assist, the throttle or both. You may also pedal normally to use your e-bike as a regular bicycle. No matter how you choose to ride, ride safely.
9. Shift gears using your shifter with your right hand: 1 is for slow speed and high torque, while 7 is for high speed with better efficiency. **Ensure you only shift gears when pedaling to avoid snapping your chain.**
10. Brake using the right lever (for the rear wheel) and left lever (for the front wheel). In most cases, we recommend using both brakes together gently, but in some cases, one set of brakes will suffice. Make sure to learn how your brake system works and how to use it properly.

🌱 Did you know that on average, 50% of car trips can be replaced with an electric bike? By choosing a bike over a car, you're reducing pollution and doing your part to ensure that we can all live on a greener and healthier planet.

⚠ Riding at full throttle requires experience and appropriate safety equipment.

☀ Get to know the MOD BIKES display and its unique features! [Check out page 9.](#)

🔧 Do not raise your seat post above the maximum-height mark. This can put pressure on and compromise the frame.



## Display and Control panel

**Your MOD BIKES has a smart LCD display with unique features for better riding.**

General operation:

- To switch your MOD BIKES on or off, hold down the “i” button for 2 seconds.
- To switch the lights on or off, hold down the “+” button for 2 seconds.
- Change the pedal assistance level from 0 to 5 using the “+” and “-” buttons.
- Use the “i” button to move between the odometer and the trip info.
- To access the settings menu, hold down the “+” and “-” buttons together for 2 seconds. Then use “+” and “-” to scroll back and forth and “i” to select and save. To exit the settings menu and save, hold the “i” button for 2 seconds. To exit without saving, hold down the “-” button for 2 seconds.

The display has the following:

- Battery indicator
- Assistance level indicator
- Bike light indicator (on/off)
- Motor power indicator
- Speedometer
- Odometer and trip info
- Error Code indicator
- USB Charging Port



*\*USB charging port is located under the display lip.*

🌿 To conserve battery power, your bike's display will automatically turn off after 10 minutes of inactivity.

☀ To ensure proper functioning, keep your bike's display and control panel dry at all times.

🔧 Got an error message? Please visit your nearest MOD BIKES shop for assistance.



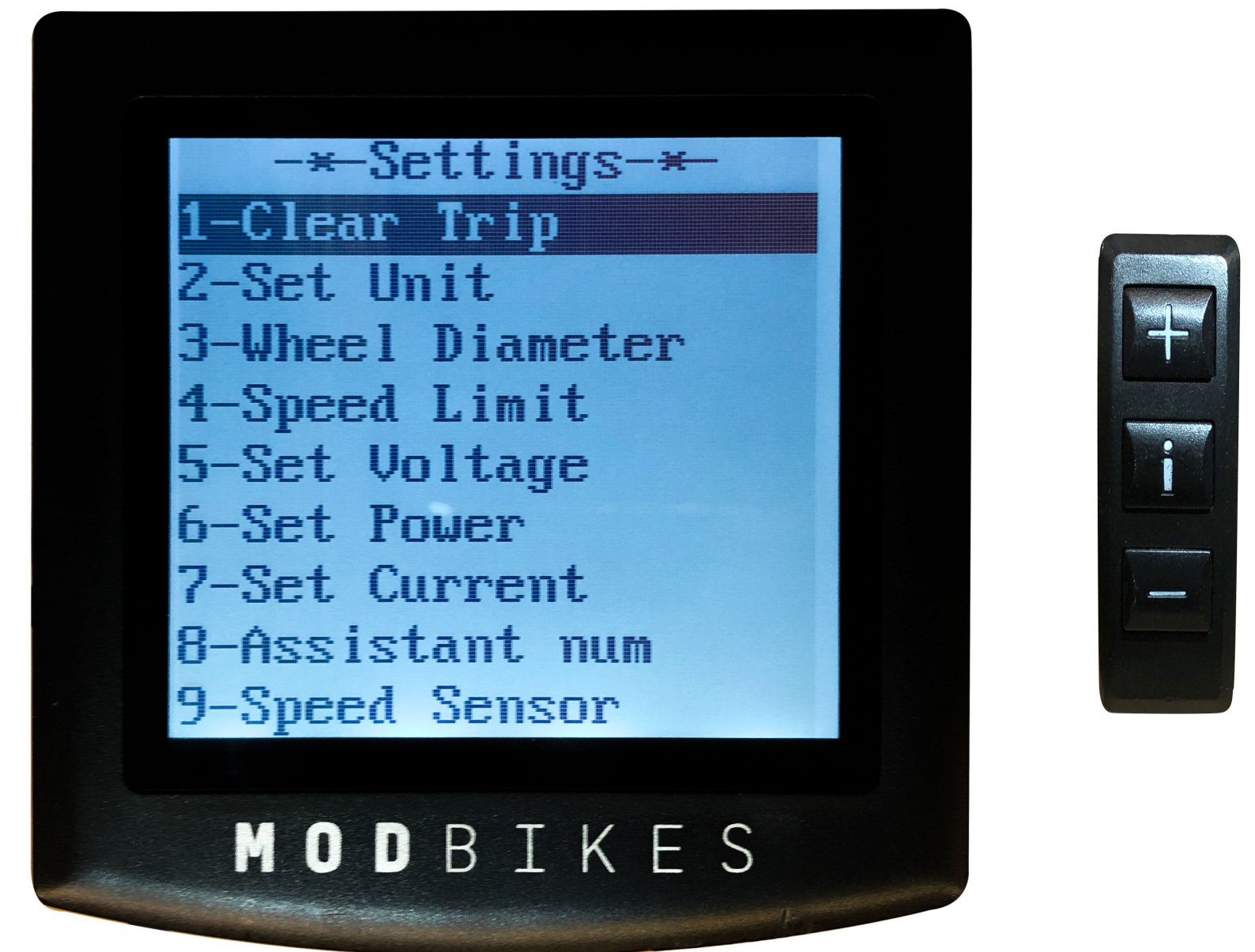
## Display and Control panel

The display includes the following settings:

1. Clear Trip: Allows the user to reset the trip computer. To clear the trip, select YES on this menu.
2. Set Unit: Sets Imperial or Metric units. Set Metric for kilometers and Imperial for miles.
3. Wheel Diameter: Inputs programmed wheel diameter for accurate speed results. **(Manufacturer default; Do not change)**
4. Speed Limit: Adjusts the speed limiter. When enabled, the limiter will automatically keep the bike from exceeding the programmed speed.
5. Set Voltage: Defines the battery indicator levels **(Manufacturer default; Do not adjust)**
6. Set Power: Choose the number of pedal assist levels (from 3 to 9) and adjust each level's amount of assist by percentages (from 0% to 100%)
7. Set Current: Adjust for increased or reduced acceleration response. The higher, the number, the faster the motor accelerates. **(Do not exceed 18A)**
8. Assistant Number: Programs the pedal assist sensor for accurate response **(Manufacturer default; Do not adjust)**
9. Speed Sensor: Programs the speed sensors for accurate results **(Manufacturer default; Do not adjust)**
10. Set Backlight: Adjusts the brightness of the screen.
11. Set Password: When enabled, locks the bike and deactivates the MOD electric system. Unlocks when the user's correct pin is entered. To set the PIN, enter the default PIN of 1212 by pressing the "+" button to increase the number in the highlighted field and the "i" button to move to the next field. When on the fourth field, press the "i" button to confirm. Can be disabled or changed from the menu once default PIN is entered.

☀ To extend you range and battery life, we recommend setting your current between 12A- 14A.

⚠ For your safety and convenience, we recommend you do not alter or change any setting designated as "Manufacturer default."



*\*Please scroll down on your MOD display to access options 10 and 11.*

**All MOD BIKES use batteries containing high-quality lithium ion cells and a smart battery management system, for long-lasting, rechargeable energy.**

**Please follow these instructions for using your battery and charger:**

- To charge your battery, connect your 36V or 48V charger to your battery charging port. Then connect the charger plug to your home power outlet.
- During charging, the charger indicator will show a red light. Once the charging is complete, the light will turn green.
- When the light indicates that charging is complete, unplug the charger from the battery and the outlet.
- MOD BIKES batteries do not have the memory effect, they can be briefly charged at anytime regardless of their charging state without having a negative impact.
- If you plan on storing your bike without using it for 30 days or longer, we recommend leaving the battery charged to 50%. Storing the battery either empty or full can cause irreparable damage.

**Single charge range is affected by many different factors. There is no way to determine the exact range for your MOD BIKES e-bike, but there are several ways to get better range and performance out of your bike:**

- Adjust the system preferences to your needs.
- Pedal and use pedal assist.
- Don't overload your bike.
- Starting requires a lot of battery power—use the pedals to give that extra push when starting, then ride at a steady safe speed.
- Keep your tires inflated to 35 psi.
- Charge your battery until full before each ride.
- Take care of your bike and keep it well maintained.

⚠ Always charge your bike's battery with the original MOD BIKES charger and the right voltage (36V or 48V). Using a different charger can cause a fire.

⚠ Your MOD BIKES battery and charger may get hot when charging. Do not leave unattended.

⚠ Your bike wants to be ridden! Storing it for long periods of time without using it can cause a decline in the battery's performance.



**MOD BIKES models have different battery configurations, with each battery storing a different amount of energy and supplying a different range.**

**Battery and charger safety warnings:**

- Your MOD BIKES battery and charger may get hot when charging. Do not leave unattended.
- If the charger indicator light flashes, do not use it. Contact your local MOD BIKES dealer for assistance.
- Keep your battery well protected. Store it away from humidity, liquids and flammables, and at a temperature between 50 and 85°F.
- Your battery may get hot during use. Let it cool before charging.
- Keep your battery away from water, as it can cause irreparable damage.
- Do not open the battery pack.
- If the battery is damaged because of any kind of accident, stop using it immediately, as there may be a risk of liquid leakage. If any liquid leaks onto your skin, rinse the affected area with water and seek medical help immediately.
- When your battery has reached the end of its service-life, recycle or dispose of it properly. Contact your local waste disposal or environmental agency for advice on disposing lithium ion batteries.

⚠ Always charge your bike's battery with the original MOD BIKES charger and the right voltage (36V or 48V). Using a different charger can cause a fire.

⚠ Your MOD BIKES battery and charger may get hot when charging. Do not leave unattended.

⚠ Your bike wants to be ridden! Storing it for long periods of time without using it can cause a decline in the battery's performance.

# 6

## Maintenance

**MOD BIKES are built to be your long-lasting partner in mobility. The key to keeping your e-bike working properly and safely is proper maintenance, which involves three stages:**

### 1. Before every ride:

- Do a quick visual inspection.
- Check brakes.
- Check lights.

### 2. Once a month:

- Do a general visual inspection
- Check tire pressure (should be 35 psi).
- Check stem and fork screws.
- Tighten wheels, stem and fork screws, if necessary.

### 3. Every 4 months or 1000 miles (whichever comes first):

- Take your bike to mandatory professional service by an authorized seller or a professional bike shop.

⚠ Avoid riding your MOD BIKES e-bike in heavy rain or near salt water, as it can cause corrosion and rust. The warranty does not cover damage caused by water.

⚠ DO NOT grease any of the followings: brakes, tires, battery or electric components.

☀ To clean your MOD BIKES e-bike, wipe it down with a damp towel.

⚠ MOD BIKES is not liable for accidents, injuries or product malfunctions resulting from lack of maintenance or neglect.

# 7 Warranty

**The MOD BIKES 18-month limited warranty covers your e-bike's:**

- Main frame, fork and suspension.
- Electric system, including the motor, controller, display and battery.
- This warranty is limited to the repair or replacement of the parts listed above. The warranty applies exclusively to the original owner and is not transferable without an official ownership transfer by MOD BIKES. The warranty only covers bicycles and components purchased through an authorized MOD BIKES dealer, and is contingent upon mandatory

service and maintenance (see page 12).

**The warranty does not cover:**

- Water damage, corrosion or rust.
- Damage/failure due to accidents.
- Damage/failure caused by tampering or use of unauthorized parts or accessories.
- Misuse.
- Neglect.
- Modifications of components.
- Normal wear and tear.

*MOD BIKES limited warranty claims will be approved only upon presentation of the original sale receipt and signed warranty statement.*

# Warranty Info

Please fill and sign the form and keep it for your records:

Bike: _____	Year: _____
Model: _____	Color: _____
Frame no: _____	Capacity: _____
Battery no: _____	
Customer: _____	
Name: _____	
ID: _____	
Phone: _____	
Date: _____	
Store name: _____	

[Print](#)



YOU ARE ALL SET AND READY

To Ride

M O D B I K E S

MOD-BIKES.COM