

isinwheel
by M10

尺寸：140*210 mm

日期：20240527

材质及工艺：封面：200g铜版纸 - 覆光膜（彩印）
内页：105g铜版纸 - 哑光（彩印）

备注：M10 Plus-13Ah - 美国说明书

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www.isinwheel.com



EBIKE M10 Plus-13Ah

USER MANUAL

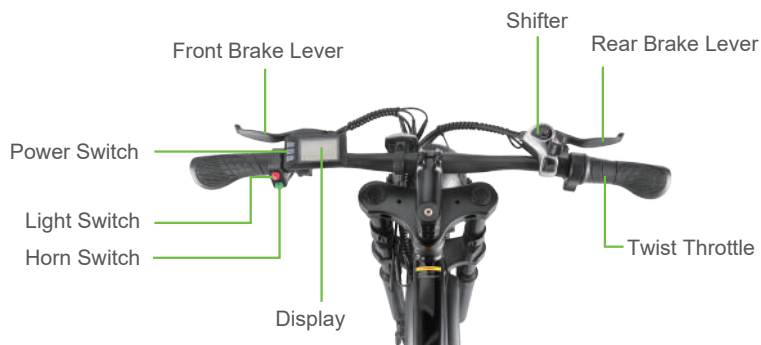
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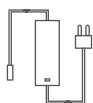
Contents

	1. Package Contents	01
	2. Assembly Instructions	02
	3. Charging Instructions	10
	4. Drive Modes	12
	5. Display & Buttons	13
	6. For Your Safety	15
	7. Battery Maintenance	16
	8. Storage	17
	9. Scrap Disposal	18
	10. Specification	19
	11. Warranty	19
	12. Contact Us	20



1. Package Contents





1x Charger



2x Key
for Battery Lock



1x Bicycle Pump



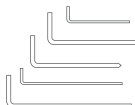
1x User Manual



1x Tool Bag



3x Dual Open-End
Wrench



5x Hex Wrench



1x Screwdriver
(2-in-1)



2. Assembly Instructions

Before Assembly

- Please read this manual thoroughly and follow its instructions.
- Make sure all parts are intact.
- Do not install the battery or turn on the e-bike until the is fully assembled.
- If you have any questions or can't find the information you need in the manual, please email us.



2.1 Assemble and install the front wheel

1



1. Find the front wheel and the QR (quick-release) skewer.

2



2. Remove the thumb nut from the QR skewer.



3. Pass the QR skewer through the front wheel axle and screw the thumb nut back on.

- ⚠ • Make sure the lever of the QR skewer and the brake rotor are on the same side and the cone springs' narrow ends are facing each other.
- Keep the lever open and spin the nut a few times to leave enough space to close the lever.



4. Sit the front fork on the front wheel axle.

- ⚠ • Make sure the front wheel axle is fully engaged into the fork dropouts.
- Make sure the brake rotor sits inside the brake caliper.



5. Tighten the thumb nut until you can close the lever with resistance when the lever is fully opened.

- ⚠ The QR skewer secures the front wheel on the front fork. Thus, the thumb nut must be tightened firmly so the closed lever has enough grip to hold the axle and the front wheel in place.



2.2 Adjust the stem



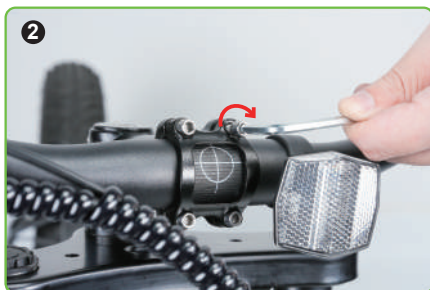
After taking the e-bike out of the package box, select an appropriate hex wrench to loosen the bolts on the stem, rotate the stem by 180°, and retighten the bolts.



2.3 Install the handlebar



1. Use an appropriate hex wrench to remove the pre-installed bolts of the handlebar clamp.



2. Sit the handlebar in place, adjust it to your desired position (make sure it is perpendicular to the e-bike frame), then retighten the bolts.



2.4 Install the front light



1. Install the plastic adapters onto the desired positions of the two fork tubes.

2. Install the front light brackets on the plastic adapters.





3. Install the clamps to the front light brackets.



4. Tighten the bolts with the screwdriver and an appropriate open-end wrench.



5. Connect the power cable of the front light.



2.5 Install the front fender



1. Loosen and remove the bolt pre-installed on the fork arch.



2. Install the front fender and then retighten the bolt.



2.6 Install the seat



1. Open the lever of the quick-release seatpost clamp, insert the seatpost, and adjust the seat to your desired height.

⚠ Pay attention to the minimum insertion mark.



2. Close the lever of the quick-release seatpost clamp.



2.7 Install the rear fender



1. Loosen and remove the bolt of the rear fender.



2. Install the rear fender on the seatpost and then retighten the bolt.



2.8 Install the pedals

1



1. Identify the right and left pedals by the "R" and "L" marks on the pedals.

2

L



L



R



R

2. Hand-tighten the pedals by spinning the right pedal clockwise and the left pedal counterclockwise. Then tighten the pedals with the supplied open-ended wrench.



2.9 Install the battery

Before installing or removing the battery, familiarize yourself with the battery.

- Battery key positions:




- When the key is in the "Lock" position, the battery is locked. You can remove the key and then ride the e-bike.
- When the key is in the "Unlock" position, the battery is unlocked. You can remove the battery from the e-bike. The key can also be removed.

 *Before moving or riding the e-bike, lock the battery.*

- Battery rocker switch:


- Press "O" down to disconnect the controller from the battery.
- Press "I" down to connect the controller to the battery.



 *Before installing or removing the battery, press "O" down after turning off the e-bike.*

- Battery Level Indicator:



Press  to display the battery level when the "I" side of the rocker switch is pressed down.

To start installing the battery, press down the “O” side of the battery’s rocker switch.



1. Align the buckles on the battery with the slots on the battery mount and install the battery on the mount.

2. Push down the battery to the end.



To start removing the battery, turn off the e-bike and then press down the “O” side of the battery’s rocker switch.



1. Insert the key and turn the key to the “Unlock” position.

2. When the battery is unlocked, push up the battery and you can remove the battery from the e-bike.



- When removing the battery, do not drop or damage the battery.
- If the e-bike is not used for extended periods of time, press down the "O" side of the rocker switch on the battery to cut off the power.



3. Charging Instructions



3.1 Charging with the battery on the e-bike



1. Turn off the e-bike and press down the "O" side of the battery's rocker switch.
2. Open the charging port cover.
3. Insert the DC connector of the charger cable into the charging port.
4. Insert the AC connector of the charger cable into a wall outlet. The LED indicator on the charger glows red during charging and glows green after the battery is fully charged.
5. After charging, unplug the AC connector before unplugging the DC connector.



Place the charger on a flat and safe surface during charging.



3.2 Charging with the battery off the e-bike



1. Turn off the e-bike and press down the “O” side of the battery’s rocker switch.
2. Insert and turn the key to the “unlocked” position and remove the battery.
3. Open the charging port cover.
4. Insert the DC connector of the charger cable into the charging port.
5. Insert the AC connector of the charger cable into a wall outlet. The LED indicator on the charger glows red during charging and glows green after the battery is fully charged.
6. After charging, unplug the AC connector before unplugging the DC connector.



Place the charger on a flat and safe surface during charging.



3.3 Battery Safety

- Please fully charge the battery before first use.
- Periodically visually inspect the battery connector and charging cable.
- Always keep the charging environment clean and dry.
- Do not charge the e-bike if there is liquid on the charging port.
- Avoid charging your e-bike in extremely hot or cold conditions to take full advantage of the battery's maximum efficiency. Under no circumstances should you use the bike while it is charging or connected to a charger.
- The charging time is about 8 hours. Prolonged charging may reduce battery life and performance.
- Only use the charger that comes with the e-bike. If the official charger is lost or damaged, please contact the customer service for a replacement.
- Before using the e-bike, be sure to lock the battery with the provided battery key and remove the battery key.



4. Drive Mode

PAS/Speed Level	Full Throttle	Pedal Assist
0	×	×
1-5	✓	✓
Display OFF	×	×

4.1 Full throttle mode

- After turning on the e-bike, press the “+” button to adjust the speed level from 0 to 1~5, and you can twist the throttle to accelerate with a speed level of 1~5.
- Press the “+” or “-” button to increase or decrease the speed level.

4.2 PAS mode

- After turning on the e-bike, press the “+” button to adjust the PAS level from 0 to 1~5, and you can pedal the e-bike with a PAS level of 1~5.
- Press the “+” or “-” button to increase or decrease the PAS level.

Tips:

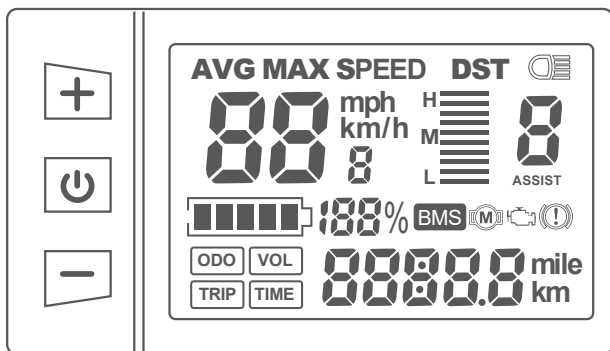
- *Every time you restart the e-bike, the PAS/speed level will reset to 0. At this time, you can ride the e-bike like a normal bike (it will not accelerate when you twist the throttle and there is no pedal assistance when you pedal it).*
- *Also, you can ride the e-bike like a normal bike after turning it off.*

4.3 Top Speed

Drive Mode Speed/ PAS Level	Full Throttle	Pedal Assist
1	10 MPH	10 MPH
2	12 MPH	16 MPH
3	15 MPH	20 MPH
4	18 MPH	25 MPH
5	20 MPH	28 MPH



5. Display & Buttons



5.1 What's on the screen

		Battery Level	
		ODO: Total Distance VOL: Battery Voltage TRIP: Trip Distance TIME: Trip Time	
		AVG: Average Speed MAX: Maximum Speed SPEED: Current Speed	
		PAS/Speed Levels: 	
Motor Fault	Fault	Brake Applied	Front Light On

5.2 Buttons



Press to increase the PAS/Speed level by 1 from 0 to 5 after turning on the e-bike.



- Press and hold to turn on/off the e-bike.
- Press to switch between ODO, VOL, TRIP, and TIME after turning on the e-bike.



- Press to decrease the PAS/Speed level by 1 from 5 to 0 after turning on the e-bike.
- Press and hold to activate the “Walk Assist” mode when the speed is 0. The e-bike will move forward at a constant speed.

5.3 Settings











P01: System of Units (0000 means metric and 0001 means imperial)

P02: Cruise Control (0000 means disabled and 0001 means enabled)

P03: Backlight Brightness (0001 means the lowest, 0002 means the medium, and 0003 means the highest)

P04: Odometer Resetting

P05: Battery Voltage Selection (0000 means 32V and 0001 means 45V)

1. Press  and  simultaneously for 2 seconds to enter the settings.
2. After entering the settings, press  to switch parameters between P01, P02, P03, P04, and P05.
3. When selecting P01, P02, or P05, press  or  to change its value (from 0000 to 0001 or from 0001 to 0000 respectively)
4. When selecting P03, press  or  to increase or decrease the backlight brightness respectively.
5. When selecting P04, press and hold  to reset the odometer.
6. After changing the values of the parameters, you can press  and  for 2 seconds to save the settings and the e-bike will return to the home screen. Also, the settings will be saved and the e-bike will return to the home screen when there is no operation for 8 seconds.

Attached Table 1: Fault code names and definitions

Fault codes of YL-02 protocols			
Name	Fault	Name	Fault
E001	Controller Fault	E004	Throttle Fault
E002	Communication Fault	E005	Brake Lever Fault
E003	Hall Sensor Fault	E006	Motor Phase Loss Fault



6. For your safety

For safe riding, please read the following information carefully.

Check Before and After Each Ride

- Check whether the quick-release clamp and seat are tightened securely, and whether the brakes are effective.
- Check seat, gears, and tire pressure. Proper tire inflation can reduce flat tires and improve performance, including distance traveled per inflation.
- Check the handlebar and bolts at least weekly.

Performing the above routine checks before and after each ride can help you keep your e-bike performing at peak performance and spot potential problems before they become a safety hazard.

Wear Protective Gear

Wear approved protective equipment to reduce any possible injury.

- Helmets can reduce serious head injuries by 85%.
- Elbow pads can reduce elbow injuries by 82%.
- Knee pads can reduce knee injuries by 32%.

Start Riding

- To avoid accidental movement while waiting at a traffic light, set the speed mode to zero or apply brakes.
- When riding, make sure your feet are always on the pedals and your hands on the handlebar. It is dangerous to take your feet off the pedals in riding.
- Never ride the e-bike for dangerous actions. Failure to exercise good judgment or heed the above warning increases the risk of serious injury and, in rare cases, death.
- Make sure the battery is fully charged, especially for long trips.

- For your own safety and the safety of others, obey the speed limit, ride at a speed you are comfortable with, and be prepared to stop at any time.
- Keep a safe distance from other riders to avoid collisions.
- Be aware of your surroundings and avoid obstacles and unsafe surfaces.
- Ride in the open and flat. Try to avoid slopes or places with many pedestrians.
- Do not ride at high speeds, on uneven terrains, in bad weather or in other unsafe conditions.
- Never use the e-bike for anything that could cause personal injury or property damage.
- Do not attempt to carry passengers or heavy objects. This e-bike can only hold the weight of one person at a time. Do not exceed the weight limit.
- Ride e-bikes only where permitted. You must obey local laws and be courteous to pedestrians.

Bike Mechanic Check Every Six Months

Bikes require regular maintenance. Take your e-bike to your local bike shop twice a year for tuning. Critical components should be inspected frequently, repaired and adjusted by an experienced mechanic.



7. Battery Maintenance

A well-maintained battery performs well even after high mileage. Charge the battery after each ride to prevent the battery from draining from a full charge. Batteries perform best when used at room temperature of 70°F (22°C). However, using it at temperatures below 32°F (0°C) will degrade performance. In general, at -4°F (-20°C), battery performance drops to half of that at 70°F (22°C). When the temperature rises, battery life will resume.

Refer to local laws and regulations regarding battery recycling and/or disposal.

Under normal circumstances, A fully charged battery can hold power for 90 days in standby mode. Remember to charge the battery after each use. Draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge and discharge of the battery. Damages due to over-discharge or over-discharge are not covered by the warranty.

Notice

- Do not perform any maintenance while the e-bike is powered on or charged.
- Store or charge the battery within the range of 20°C-25°C / 68°F-77°F.

- Do not pierce the battery.
- Do not attempt to disassemble the battery to avoid fire.
- When the ambient temperature exceeds the maximum operating temperature, do not ride the e-bike.
- Temperature will limit maximum power/torque. Personal injury or property damage may occur. Before cleaning, make sure the power is turned off and the charging cable is unplugged. Otherwise, you may damage electronic components.
- Proper cleaning can guarantee a longer lifespan and a smoother ride. Wipe the outer body of the e-bike with a soft and dry microfiber cloth.
- Check around the wheel to make sure there are no foreign objects. The design of this e-bike makes wheel maintenance easy.
- The e-bike has IPX4 water resistance, which means it can withstand splashes. However, don't submerge the e-bike in water.

Note

- Do not use alcohol, gasoline, acetone, or other corrosive/volatile solvents to clean the e-bike. These substances can damage its exterior and internal structure.
- Do not allow water and liquid to enter the electronic parts or battery.



The e-bike should be fully charged before storage to prevent the battery from being over-discharged after long-term storage.

If the e-bike is to be stored for more than a month, discharge and charge the battery at least once a month.

Notice

- Do not store the e-bike outdoors for extended periods of time. Exposure to sunlight and extreme temperatures (both hot and cold) accelerates the aging process of plastic parts and can reduce battery life.
- Store in a cool dry place.
- Do not store in dusty environments as damage may occur over time. Cover the bike to prevent dust from entering.



9. Scrap Disposal

- This product cannot be disposed of by incineration, landfilling, or mixing with household waste. Improper handling of the battery in this product may cause the battery to heat, rupture, or ignite, which could result in serious injury. The substances inside the battery pose a chemical risk to the environment. The end-of-life disposal recommendation is to dispose of the entire device at an e-waste recycling center or through an e-waste recycling center, project, or facility.
- Local regulations and laws related to the recycling and disposal of lithium-ion batteries and/or products containing lithium-ion batteries vary by national, state, and local government. In order to properly dispose of batteries and/or products containing batteries, you must check the laws and regulations that correspond to where you live.
- It is the user's responsibility to properly dispose of waste equipment in accordance with local regulations and laws. For additional information on disposing of batteries and electronics or electronic waste, please contact your local waste management office or household waste disposal service.



10. Specification

Item	Meaning
Model Name	M10 Plus-13Ah
E-Bike Weight	72.8lbs
E-Bike Size	77.1*44.5*27 Inches
Max Incline	11° (Rider Weighs 220.4lbs)
Max Load Capacity	330lbs
Max Speed	28mph
Range	45-65 Miles
Motor Power	500W (Rated); 900W (Peak)
Battery Capacity	48V, 13Ah
Charger Input	AC 100V-240V, 50/60 Hz, 2A
Charger Output	DC 54.6V, 2A
Charge Time	7-8 Hours
Wheel Size	26*4.0 Inches
Water Resistance	IPX4
Storage Temperature	68°F~77°F
Operating Temperature	-4°F~140°F
Charging Temperature	32°F~104°F
Warranty	1 Year Limited



11. Warranty

Dear Customer

Thank you for purchasing our lithium battery bicycle! After purchasing our products, please provide correct, complete, and true personal information and fill in the warranty card to ensure that you receive high-quality service. For products that meet the warranty conditions, free maintenance is provided. We make the following commitments:

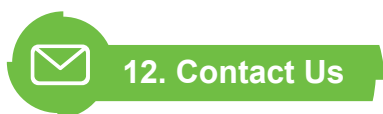
1. You can receive warranty service with the warranty card. The serial number on the bike body must match the serial number on the warranty card. If you can't provide proof of the repair date, then the factory date or the order date will be the start date of the warranty and we will confirm if it is still within the repair date.
2. From the date of sale to the warranty expiration day, if there is a performance failure caused by non-human damage, once confirmed, our company promises to repair it free of charge. If the performance failure caused by man-made damage, once confirmed, our company will carry out paid maintenance.

Warranty Disclaimer

The following situations are not covered by the warranty service, and you need to pay the relevant service fees.

Beware:

1. Total riding distance is over 62 miles.
2. Any damage caused by not following the instructions for use of the e-bike.
3. Lost or changed e-bike number.
4. Product damage caused by accidental factors or improper use, such as mechanical damage, breakage, serious impact on the product, and oxidation.
5. Overload, over obstacles including but not limited to bottom pedals, falls), or damage caused by extreme conditions.
6. Any damage caused by abnormal storage conditions or electrical resistance, such as fire, immersion, high temperature, and earthquake.
7. Loss of wearing parts, such as packaging materials and various technical materials.
8. Other failures or damages not caused by product design, technology, manufacturing, quality, or other issues.
9. Not purchased from the isinwheel online store.



Contact us if you experience issues relating to riding, maintenance, safety, or errors/faults with your isinwheel M10 Plus-13Ah e-bike.

✉ support@isinwheel.com

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