

SAMEBIKE

PRODUCT INSTRUCTION MANUAL



M20-III



<https://samebikeus.com>



SAMEBIKE

DEAR CUSTOMER:

Thank you for choosing SAMEBIKE!

We hope you thoroughly enjoy SAMEBIKE electric bicycle. If you need any assistance, Please do not hesitate to contact us.

We are always here to help!

Contact information

✉ support@samebikeus.com (for all customers)

amazon@samebikeus.com (for Amazon customers)

🌐 <https://samebikeus.com>

☎ +1 949 508 0062 (available from 5 PM. to 8 PM. PST)

SAMEBIKE

Electric Mountain Bicycle

User Manual

Production license No. : (粤)XK16-002-01025

Model : M20-III



SAMEBIKE

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1. Important warning

- This manual include important safety performance information and service information. Please make sure you have read the following warning content before the first time you use our product.
- If you borrow your electric bicycle to other people, please let the user read this manual, it could help to decrease the risk of accident.
- Please wear a suitable and safe helmet before riding, please wear the clothes with fluorescent and reflective stripes when you ride at night. Don't exceed speed limit, it is a main reason of traffic accident, we should abide by the traffic rule, we shouldn't exceed the speed limit.
- Don't touch the charging hole on the bike, or use metal touch it, otherwise, the accident will be caused by the transient short circuit of the current.
- Zero starting, braking frequent, driving against the wind, carrying people or anything, insufficient air pressure on the tires. All of these will use much electric energy, and then reduce the endurance mileage. If you want the best endurance mileage, please do something as follows :
 - 1) please use assist mode;
 - 2) on the premise of safety, don't brake frequently or use zero starting;
 - 3) Don't overload;
 - 4) Before riding, please check the pressure of the tire and supply enough pressure.
- Our Ebike should avoid prolonged exposure to the sun or rain, avoid storage in places with high temperature or corrosive gas, so as to avoid electroplating parts and paint surface by chemical corrosion and electrical parts damage, resulting in operational failure and accidents.
- Your current insurance business may not cover the situation you may encounter when riding an electric bike, please contact your insurance company or insurance broker for relevant consultation.
- If you use our ebike in your country, pls refer to the local laws and regulation. For example in China, riding an electric bicycle must reach the age of 16.
- Bicycles are vehicles with certain risk fact factor, please be sure to abide by the traffic rules. At the same time, when emergency braking, brake the rear wheel first, then brake the front wheel, when cycling speed is too fast. There is a danger of tipping over if you brake the front wheel suddenly, please ride carefully.

2.Unpacking and product specs

Remove all package material, then inspect each item for any accident damage that may have occurred during shipping.You should find each of these items in your box:

Note: The front wheelset is shipped separately(in another package).



ELECTRIC BIKE



TOOLS: LARGE WRENCH*3
ALLEN WRENCHS*5
SCREWDRIVER*1



BATTERY CHARGER

ITEM	SPECIFICATIONS
Model	M20-III
Product Dimensions	1750x660x1125 (mm)
Package Dimensions	1420x340x950 (mm)
Max Load	330 lbs (150kg)
Package Weight	114 lbs (52kg)
E Bike Weight	94 lbs (43kg)
Max Speed	37 Mph
Battery/Charger	input 100-240V 50/60Hz AC Plug; Output 54.6V3A DC2.1
Pedal-Assist Mode	Approx 136-100 miles (220-160 km)
Pure Electric Mode	Approx 68-80 miles (110-130 km)
Max Angle of Climb	40 degrees
Charging Time	4-8 hours
Tire Pressure	According to the actual information on the tire
Bell/Horn	Electric Horn Installed
USB Charging Port	Output Voltage 5V1A
Frame Material	6061 Aluminum Alloy
IP Level	IP54

3.Product components

1. Handlebar










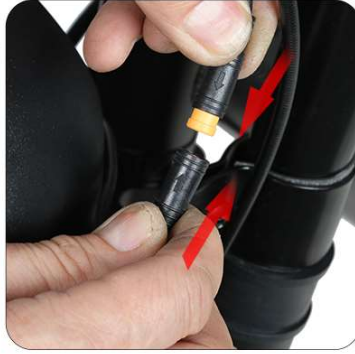
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|--------------------|---------------|--------------|-------------------------|
| 1. Handlebar | 5. Disc brake | 9. Pedal | 13. Flywheel |
| 2. Display | 6. Motor | 10. Crankset | 14. Rear Shock Absorber |
| 3. LED Front light | 7. Tire | 11. Chain | 15. Saddle |
| 4. Suspension Fork | 8. Battery | 12. MOTOR | 16. Battery |

4. Method of assembly

4.1 Adjust handlebar and stem

			
Unscrew the four screws and set aside	Disassemble parts and screws	Install the handlebar to adjust the direction	Tighten 4 screws to fix the handlebar

4.2 Assemble the headlight

			
Put out the headlight	Buckle the headlight on the front fork	Take out accessories	Install accessories
			
Install the screws	Tighten the screw	Same steps on the right side	Plug in the wire

4.3 Assemble Front fender



Reverse the bike for easy installation



Loosen the front fork screws with a hexagonal screwdriver



Loosen the screws on both sides of the front fork



Install the screws



Tighten the screws



Tighten the screws on left sides of the front fork



Tighten the screws on right sides of the front fork



Finished

4.4 Installing the front wheel



Prepare the front tire



Unscrew the outer screw, leaving the nut washer



Unscrew the outer screw, leaving the nut washer



Put the tire into the fork



Install the side with the ebike disc into the direction with the disc brake



Align the protruding part of the nut washer with the bayonet, and tighten the screw



Align the protruding part of the nut washer with the bayonet, and tighten the screw



Tighten the screw

4.5 Front wheel motor connection



The wire end goes through the hole in the front fork



Connect to the connector under the battery



Twist the ring on the connector



Tie the tape

4.6 Installing the pedal



Pay attention to the "L" and "R" marks on the pedal



Be careful not to assemble the left and right pedals wrong, or it will damage the thread.



Tighten the left pedal "L" counter clockwise



Tighten the right pedal "R" clockwise

5. Product instruction

5.1 Charging method



Plug the charger into the power hole



Plug the charger into the power hole (Lower battery)



The battery can also be removed for charging



Plug the charger into power supply. Red light shows the battery is charging, green light is full

5.2 The method of removing the battery



Shut down the power



Turn the key clockwise to unlock the battery lock, then push it forward



Remove the battery

5.2 LCD Display (functional instruction)








Functions

M20 meter offers a variety of features to meet your cycling needs, including:

- Intelligent electric power display
- PAS Level display
- Motor power indicator
- Speed display (including real-time speed, maximum speed, average speed)
- Mileage display (including single mileage and total mileage)
- Assist pushing control and display
- Cruise indication
- Highlight Control and Display
- Error code display
- USB connection indicator
- Bluetooth connection indicator
- Multiple parameter settings (such as: wheel diameter, speed limit, battery power setting and assist parameter setting, etc.)



- ①  Minus key
- ②  Plus key
- ③  Toggle key
- ④  Headlight key
- ⑤  On/Off key

◆Power on/off

After long pressing the power on/off button (⏻), the meter starts to work and turn on the working power of the controller. In the power-on state, long press the power-on/off button (⏻) to turn off the power. In the off state, the meter no longer uses the battery power, and the leakage current of the meter is less than 1uA. If the electric bike is not used for more than 10 minutes, the meter will automatically shut down.

◆Assist pushing mode

Press and hold the (⏻) button, and after 2 seconds, the electric bike will enter the state of electric assist pushing mode. Electric bike travel at a speed of less than 6 kilometers per hour. At the same time, the screen displays "🚲". Release the (⏻) button, the electric bike will stop the power output immediately and return to the state before assist pushing mode.

(Cautions: Assist pushing mode can only be used when the user is pushing the electric bike. Do not use it while riding.)

◆Headlight control

Short press (⏻) button, make the controller turn on the headlights, dim the instrument backlight, and the screen display (🔦), short press (⏻) button again, to make the controller turn off the headlights, and the instrument backlight to return to brightness.

◆Power gear selection

Short press (⏻) or (⏻) button to switch the power gear of the electric bike and change the out put power of the motor. The default output power range of the meter is 0-5, 0 is stop power output, 1 is the lowest power, 5 is the highest power. When reaching the 5th gear, press the (⏻) button again, the meter screen will still display 5, and flash 5 to indicate that the current is the highest gear. After the power-assisted downshift reaches the 0th gear, short press the (⏻) button again, the meter screen still displays 0, and 0 flashes to indicate that the current is the lowest gear. Meter startup default gear is 1.

◆Display interface switching

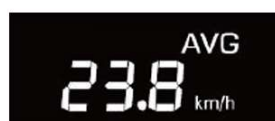
After the instrument is powered on, the instrument will display real-time speed (km/h) and total mileage (km) by default. Short press the (i) key to switch between the total mileage (km), single mileage (km), maximum speed (km/h) and average speed (km/h)



Total mileage



Single mileage



Average speed



Maximum speed

◆Error code display **ERROR**

When the electric bike electronic control system fails, the meter will display automatically. For the detailed definition of the error code, see attached Table 1.

(Cautions: When the error code is displayed, please troubleshoot the fault in time. After the fault occurs, the electric bike will not run normally.)

Table 1: Table of error code definitions

Error code	E001	E002	E003	E004	E005	E006
Definition	Controller failure	Communication failure	Motor Hall signal anomaly	Handlebar failure	Brake failure	Motor phase loss

6. Preparation before riding

1. Before riding, please read the <User Manual> carefully. Please check whether the parts in good condition to ensure the safety of your riding.
2. Please check the status of the vehicle. Please check the brake, wheel, handlebar, folding buckle, quick release part of the electric bike to make sure the electric bike has good status.
3. Please check the electrical system :To know whether the battery power is enough. If it is not enough, you need to charge it as soon as possible.
4. Please check whether the brake system works properly. If it doesn't work properly, please stop using it, please contact the official customer service person.

7. Warranty policy

1. Users should operate in accordance with the product manual. In case of any performance fault caused by production quality, the company shall perform the obligations of the three guarantees in accordance with the provisions of relevant laws and regulations of the state.
2. The company is still responsible for the after-sales service of the faults beyond three guarantees and the major components in the three guarantees, but there will be a cost for repair.
3. If the battery replacement over the warranty time , our company will be supply the battery by factory price. To ensure safety and not to pollute the environment the battery must be 1:1 recycling and return to the battery manufacturer.

EPAC EN 15194



GUANGZHOU SAMEWAY ELECTRIC
BICYCLE CO., LTD

Address:NO.1 Factory,Xiling,HuaShan
town, HuaDu district. GuangZhou City
GuangDong Province CHINA

MADE IN CHINA