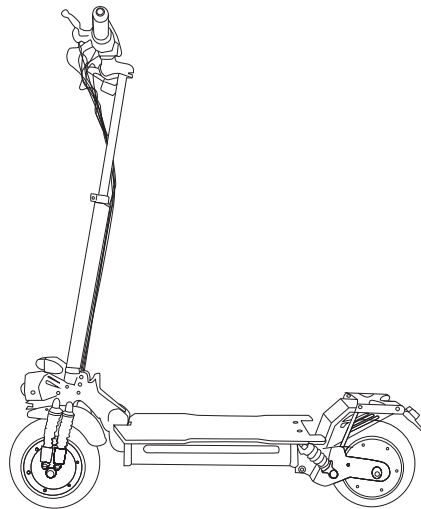




User manual

MFS-B2

Marvel Electrical scooter



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When you are driving an electric scooter, first learn how to drive safely to avoid the risk of collisions, falls and loss of control. You can learn safe driving technology by looking at the "User's Manual".

The "User's Manual" inform the customer of all operating instructions and precautions. The user of the electric scooter product must read carefully and operate according to the requirements of this manual. If the user does not follow the instructions or violate the warning, our company will not shoulder the responsibilities for all the consequences.

If you want to get the relevant product service and support, you can contact us.

1 DOCUMENT DESCRIPTION

1.1 About this manual

For your driving safety please read this manual carefully before using the electric scooter to ensure that you can follow the correct instructions to drive the electric scooter.

- Knowing all the security warnings and precautions listed in this manual will help you drive your electric scooter better.
- If you have any questions or cannot get the information you need from this manual, please contact us immediately.

1.2 The risk of driving

Electric scooter is a transport and auxiliary tool for entertainment and leisure, its technology and production processes are strictly inspected, however, when you are not in accordance with the warnings specified in this manual to use it, it will be possible to hurt you.



WARNING!

Whenever and wherever you fall, out of control, collision and other reasons, including non-compliance with the manual's requirement to drive a Patton balance car, may cause you to be injured. In order to reduce risk and avoid harm, you must read this manual carefully.

1.3 Preparation before driving

Before starting to use, firstly you need to check whether the electric scooter battery is sufficient or not. When you do not use it according to the safety precautions specified in this manual, it may cause injury.

1.4 Document's related instructions

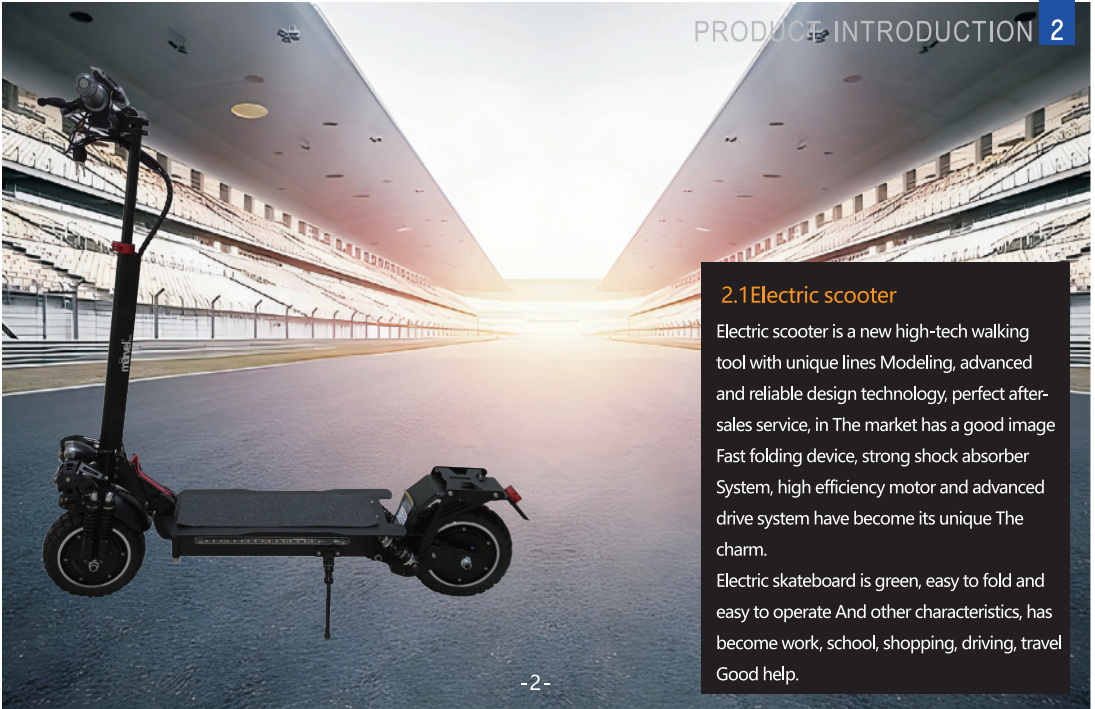
The following instructions apply to the entire User Manual, please pay special attention to the relevant "WARNING" and "NOTE" .



WARNING! Warning: Your misconduct poses a threat to your personal safety



NOTE! Tip: Points to Note and Related Usage



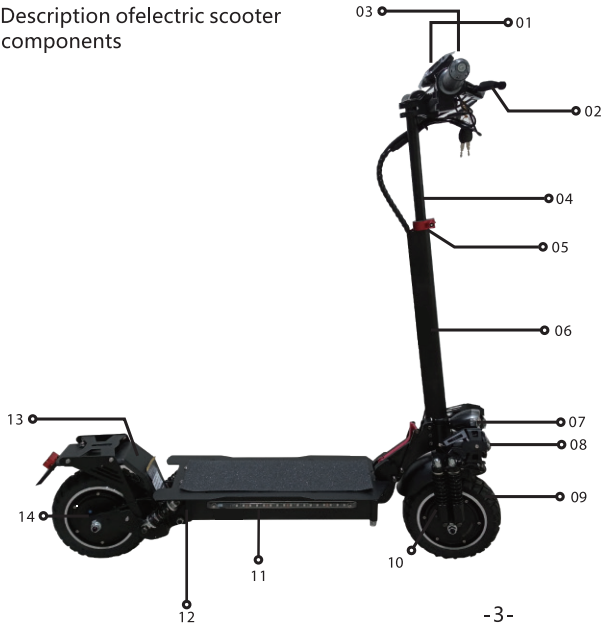
2.1 Electric scooter

Electric scooter is a new high-tech walking tool with unique lines Modeling, advanced and reliable design technology, perfect after-sales service, in The market has a good image Fast folding device, strong shock absorber System, high efficiency motor and advanced drive system have become its unique The charm.

Electric skateboard is green, easy to fold and easy to operate And other characteristics, has become work, school, shopping, driving, travel Good help.

2 PRODUCT INTRODUCTION

2.2 Description of electric scooter components



- 01 Display
- 02 Brake lever
- 03 Handle bar
- 04 Extension rod
- 05 Release lock
- 06 Upright tube
- 07 Horn
- 08 Head lights
- 09 11" Penumatic tyre
- 10 Front suspension
- 11 Side light strip
- 12 Charging port
- 13 Rear side light
- 14 Rear motor tyre

3.1 Safe use

Hope that all drivers can safely drive electric scooters and enjoy the fun of electric scooters, remember you learned to ride a bike, car, skiing or used other similar means of transport, all of these experiences can be applied to our products, making you drive an electric scooter better.

- In accordance with the User Manual, you will be able to drive the electric scooter safely. We strongly recommend that you read the User Manual carefully before driving the electric scooter at the first time. Before each trip, please check whether the electric scooter tires are damaged, and parts are loose or not, if any strange situation happens, please promptly handle.
- Please read the User Manual carefully, from which you will get a lot of important security information, including operating instructions, the use precautions, maintenance and other matters.
- At the first riding, please ride in an empty section of no one or the place where there is no obstacle.
- Please do not use electric scooters to do anything that endangers personal or property safety.
- Please do not arbitrarily modify the electric scooter parts, otherwise, it will not only affect the performance of electric scooters, but even damage the electric scooter and cause serious injury at the same time.
- Do not use this car to do stunts, rotation or take-off action, which will increase the chance of injury and the damage of the car.
- Passengers are not allowed.
- Comply with local laws and regulations.
- It is forbidden to take passengers.

3 SAFETYINSTRUCTIONS

3.2 Mileage

The mileage of electric scooters is related to many factors, such as:

- Ground type: Driving will increase the distance traveled on the smooth, flat ground, on the contrary jit will reduce the driving distance.
- Weight; The weight of the driver will affect the driving distance.
- Ambient temperature: Storing and driving electric scooters at the recommended temperature will increasethe driving distance, on the contrary, the travel distance will be reduced at extreme temperatures.
- Maintenance: Reasonably charging and maintaining the battery will increase the driving distance,on the contrary, it will reduce the driving distance.
- Speed and driving style: Maintaining a moderate speed will increase the travel distance,on the contrary, starting, stopping, accelerating,decelerating frequently will reduce the travel distance.



NOTE!

Before cycling: Make sure the M-shaped button is inserted in the folding device / bridge
Cement phase: It takes a short distance to get the components, such as hinges and brakes, in the correct position.

3.3 Safety devices

Tire pressure: 40PSI-50PSI

Helmets: Most of the injuries that occur when riding are in the head and can be avoided by wearing a helmet, When riding an electric car, please be sure to wear a helmet, please use the helmet in accordance with the helmet strictly.

3.4 Safety test

Before using the electric scooter, firstly check whether the screw is tight or not by visual observation, make sure it doesn't fall off, Confirm whether any parts have damage or wear or not.

Tires and wheels: check whether the tires wears or not, they can be checked by rotating tires, make sure the tires are in good condition and don't require replacement, make ensure whether wheels are normally spinning during braking, if not, please do not hesitate to contact us.



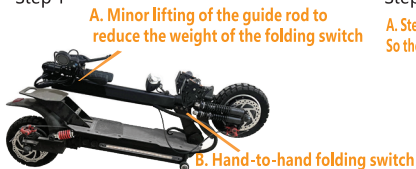
NOTE! When you want to speed up, lean forward. When you want to brake, lean back.

4 HOW TO OPERATE

4.1 Expand and fold the electric scooter

Expand the electric scooter

Step 1



Step 2

A. Steady upward expansion
So the folding device can be locked



B. Can see from the appearance whether the folding switch bounces
Card pick lock.

Step 3

A. Open the lever
B. Pull the handle to adjust the lever
C. Lock the lever



Dangerous when driving
without foot on folding switch



NOTE!

Press the folding switch, hold the guide bar with one hand, hold the guide bar far away from the folding device to obtain an impulse. and find one without pressure on the unfolding device.

The point of force until the folding switch bounces.

The folding mechanism will be released at the point where there is no pressure, so that the handle of the turtle moving scooter can be folded, The fast and stable locking of the electric scooter is based on additional pressure.

The reckless operation will cause damage and wear and tear of the folding device.

Expand the electric scooter

Step 1

Long-sight function of the joystick: Slide the hyperopia handle from the main joystick (electric scooter label) when opening the quick release lever, and then lock the quick release lever. To fold the electric scooter, lower / insert the joystick into the overall joystick and lock the quick release lever.



NOTE! The electric scooter has a unique folding device, which is easy to carry, transport, and store quickly and easily.

Step2

The electric folding joystick is through the foot on the folding switch and then in the direction of the rear wheel. Fold the joystick until you hear "click" to make sure the device locks.

A. Push the joystick forward
B. Foot on folding switch
C. Fold the steering part until it's locked



4 HOW TO OPERATE

4.2 Battery

- Do not operate the motor when charging.
- The indicator on the accelerator is only a rough display of the charge (power full / empty).
- Do not store for longer time (more than two months) when the battery is fully charged.
- Every time the best way to use is to release the battery power to the red indicator lighting, slow down, and stop when riding the electric scooter
- Avoid contact with the leaked material in the battery.
- The battery should be placed in places where children and pets are not accessible.

Do not use the battery in the following cases:

- When it was damaged
- When releasing the abnormal smell and heat
- When any leakage phenomenon occurs



NOTE!

Using, storing, and charging the electric scooter outside the specified range will result in expiry of the warranty period, battery damage, and battery charging.

4.3 Charger and battery

- Electric scooter with an external charger, first plug the charger plug in the electric scooter charging port, the charging port is located below the foot pedal, by the rear, on the right position, and then plug the charger plug in the power supply.
- The charger indicator shows red --- in charging.
- The charger indicator shows green---charging is complete.
- To avoid battery to stay in the state of long-term power or full of electricity.
- In order to optimize the performance of the electric scooter battery, it should be charged once every month (9 hours).
- Before removing the battery or repairing, make sure that the electric scooter is disconnected from the power supply.
- When the electric scooter connects AC power, the operation above is very dangerous. The electric shock will cause serious damage to the vehicle so that the scooter is destroyed.
- Do not try to open the battery, do not try to use any item to open the battery or insert the battery, the operation will cause electric shock, injury, burning or fire. Any attempt to open the battery cover will result in damage and leakage of toxic substances.
- Use the charging tool permitted by the electric scooter to charge.
- Djsassemble the battery and cary the electric scooter in the permitted environment and in accordance with national requirements.

4 HOW TO OPERATE

4.4 Acceleration controller

Push the speed controller to speed up the electric scooter



⚠ WARNING! Please release the speed control before braking.



Theft deterrent key: unlock, unlock, intelligent anti-theft alarm sound, switch function



Left and right turn light:
handle switch can control
left and right turn light

4.5 LCD

Long press (⏻) switch button for 3 seconds, the electronic variable system starts, the LCD backlight is lit and displays standby status.

Short press the (M) button. The electric scooter will display the current gear and flash, L1, L2 or L3: the "L3" is the highest grade, the fastest speed; "L1" is the lowest level, the slowest speed.

At this time if short press (M) mode key, it will switch gear in the form of L1L2L3, if the battery is sufficient and its load is less than 70 kg, the corresponding speed of the gears are as follows:

L1: The maximum speed is about 20 km/h

L2: The maximum speed is around 40 km/h

L3: The maximum speed is around 55 km/h

Short press the mode button (⏻) to enter the single mileage display, "TRIP" icon is lit, the numerical display area shows 4-bit integer and a decimal, for example, "0123.5" represents 123.5 km of single mileage.

Short press the mode button (⏻) into the accumulated mileage display interface, the "ODO" icon is lit, the numerical display area displays 5-bit integer for example, "12035" represents 12035 km of the accumulated mileage, the cumulative mileage is the cumulative mileage of the vehicle, and can not be cleared.

Short press (⏻) mode button to enter the time display interface, the initial time display format is "MM: SS", that is, the first two digits indicate the minutes, the last two digits indicate the seconds, when the time display is "99:99", that is 99 minutes 99 seconds, then it will be switched to "HH: MM" format, that is, the first two digits show the hours, the last two digits show minutes.

Automatic shutdown: When the key on the display table has no operation and the speed adjustment handle is fully relaxed (speed is zero) for more than 90 seconds the system will automatically shut down and get into the power saving state. Long press (⏻) switch button for 3 seconds to restart.

Activation: The way of starting the scooter is non-zero starting, that is, you need let a foot step on the scooter before starting, the other foot pedals several times to the floor to give the scooter an initial speed, and then immediately toggle the speed adjustment handle to speed up the scooter, according to this method to start the scooter, you can toggle the speed adjustment handle to adjust the speed after the scooter starting.

5 RIDE SKILL

5.1 Safety ridingo

- Learn about electric scooters---Before riding an electric scooter, first understand the car, try to control the car, slow down the speed when you turn, carefully ride, and then give a certain amount of brake buffer time.
- Your riding ability---First get the control of the car, find a wide and open place without obstacles when practice riding an electric scooter.

5.2 Ride skills

- The position of your feet---Before riding put your foot on the front of the scooter the other foot on the ground, to ensure that the ride route is smooth.
- Before starting, use the foot on the ground to slide forward (like riding a no-power scooter).
- Immediately press the accelerator button, the body leans forward, so you can avoid falling backward due to inertia , so that electric scooters will enter the working state.
- Avoid putting your body on the handle bar in the process of acceleration and deceleration.
- In the acceleration and deceleration, avoid putting your body on the handle bar, one foot ahead,one foot behind (as in the skateboard / surfboard, one foot ahead, the other foot back, this is more comfortable).
- Tum---The principle of turning the electric scooter is same as the surfboard/ skateboard/skis, the handle is parallel to the body, observe carefully and make sure the turn is safe before turning.
- Brake---The center of body gravity is at the back, ensure to brake through the feet rather than the handle or joystick, it is best to know how to adjust the center of gravity when stopping, in addition, be much more attention, such as turning over ("emergency stop") or wear , as well as the damage of handle rod, joystick, steering system .



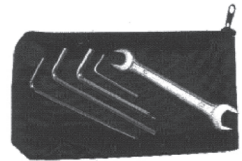
NOTE!

Like most sports, cycling is also a risk of injury and damage. The responsibility of choosing an electric scooter and the risks it poses are both yours. So it's important to understand and follow the safety rules.

The electric scooter is assembled by professional staff, and any attempts of installing or replacing any of the accessories in an electric scooter privately will destroy the electric scooter, you will not be able to enjoy the warranty service provided by the manufacturer because of this.

Maintenance of flat tire of electric scooter

- Check if the electric scooter charger is unplugged and cut-out.
- Place the electric scooter body on a high and solid table, make the front and rear wheels in the air.
- Use the universal tool to open the rear plastic cover.
- From the right side of the electric scooter, gently pull the wires that connect the motor.
- Use a 15-18 external six-feet handle to remove the motor's screws and take out the motor.
- Remember the order of the motor washers.
- Put the tires out of the motor with a professional crowbar (not plastic or too small), Do not damage the motor, wheels, tires and inner tubes during this process.
- After applying the hand lotion or soapy water to the ties, slide the wheel hub out of the tires
- Change the inner tube.
- Tire is installed in situ, stall the tires on the wheels hub after applying the hand sanitizer or soapy water to the wheels hub, finish the operation with hands, not any tools.
- Inflate the tire to 45PSI of tire pressure, check whether your maintenance is perfect.
- Install the electric scooter back according to the opposite steps described above.



(Required tools)



NOTE! Make sure the charger of the electric scooter is pulled out and the power is turned off.

7 MAINTENANCE INSTRUCTIONS

7.1 Lubrication

Every six months you need to use a small amount of lubricating oil or lubricant in the clutch sieve of the folding handle to do maintenance.



NOTE!

Do not use WD40 (rust resistant oil) to lubricate product parts, and do not lubricate front and rear wheels. If in doubt, please contact us.

7.2 Tires

When the brake performance begins to decline, the regulator on the brake line can be adjusted to achieve the required sensitivity. If the brake line is adjusted, the brake performance is still poor, or the brakes are noisy, you need to find us to replace the brake pads.



NOTE!

The lithium battery of this product can be recharged for at least 800 times in two years. When the driving distance after each full charge is too short, the lithium battery may need to be replaced.



When the product is not working properly, check that the following actions are

No completed:

Power's on.

The battery shows that there is still residual power

The brake lever has been released.

All jacks and connections are clean and connected accurately.

If all the above actions have been completed and the product is still not operating properly, please contact us.

9 THE BASIC PARAMETERS

Product specifications	Outline dimensions	120*58*128cm
	Center distance of front and rear wheel	910mm
	Scooter weight	28kg(including battery)
Product performance	Maximum load	120kg
	Maximum speed	≤90km/h
	Climbing ability	20°
	Battery type	Lithium battery
Battery parameters	Standard voltage	48V
	Battery capacity	15AH
	Mileage	25-120km
Motor parameters	Motor type	DC brushless motor
	Rated output power	2*500 W
	Rated voltage	48V
	Maximum output torque	13N-m

Charger parameters	Input voltage	AC100-240V
	Output current	3A
	Charging time	5/h
Tires	Tire size	10 inch
	Tire type	off road tire
Brake	Brake form	Front and rear disc brake
Lamp type	LED	Lights with speakers

10 THE PACKING LIST

The Packing List of Electric Scooter

Serial number	Product name	Quantity
1	Host	1
2	Charger	1
3	Instructions	1
4	Warranty Card	1
5	Product certification	1

Open the package, if you find the damaged or missing, please contact us, we will replace or fill it for you as soon as possible !

Marvel Electrical scooter



User manual