

MiniWalkerTM

MW-Tiger 10 Pro+ series



USERS MANUAL

Before Reading Manual

This manual contains important information to help you use your product more safely. For safe use, it is marked as 'Danger', 'Caution' and 'Warning' depending on the degree of danger and the meaning is as below.

Danger: Indicates a hazardous situation that could be a cause of serious injury.

Warning: Indicates a potentially hazardous situation that could be a cause in light injury.

Warning: Indicates a potentially hazardous situation that could be a cause in serious injury.

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01. Safety guidelines and restrictions

1)Be careful of water!



This product and components are not waterproof.

Don't Let the water get into the product and components.

*Never use it, if the road is wet due to rain, snow or hailstone.

*If you wash or spread water to electric devices, it can result in malfunction or fire.

2)Beware of folding and spinning parts!



If parts of the body, as a finger or hair, get caught in the spinning or folding parts of the product, this may lead to severe injuries. Please be careful

3)No acrobatics



Stunts such as jumping and dropping are prohibited as they can cause a great impact on the product and can cause malfunction and accidents.

4)Beware of folding and spinning parts!



This product is designed for one adult only, so children, infants, or two people are prohibited from boarding.

5)Beware of folding and spinning parts!



Do not open or turn the electric parts(battery, controller or motor system).

6)Beware of folding and spinning parts!



Unlicensed, drunk driving loading cargo on the scooter are prohibited(more than bike or bicycle license is required) Please comply with the Road Traffic Act and related laws and regulations according to the place of use.

7)Beginners and juniors are encouraged to use at low speed

Beginners who are not accustomed to use the product, should avoid high speed mode driving and recommend low speed driving.

In addition, please use after practicing how to ride safely in a wide place.

8)Do not suddenly brake with front brake



If there is a risk of overturning, sudden deceleration should be done safely. Do not apply any unusual behaviors or artificial forces, such as stopping with your feet.

9)Do not accelerate downhill



Slow down at downhill. When reducing the speed, use the brakes properly to reduce the heat on the disk.

10)Do not drive on steep slopes



Acceptable gradeability is different for each product. Excessive hill roads exceeding the specification may cause damage to the product(parts) due to temperature cut, over current or low voltage cut, which may cause the product to malfunction.

11)Safety warning when lifting the product



If the product is Lifted by holding only the handle, there is a possibility that the product may be damaged due to deformation of the folding part due to load or movement of the product. When lifting the product, be sure to hold the product's body(footrest) with one hand and hold the handle with other hand so that you do not get hurt in your back or knees.

12)Be sure to wear safety equipment

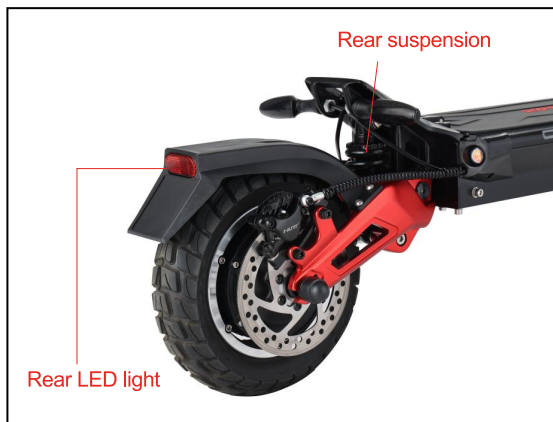


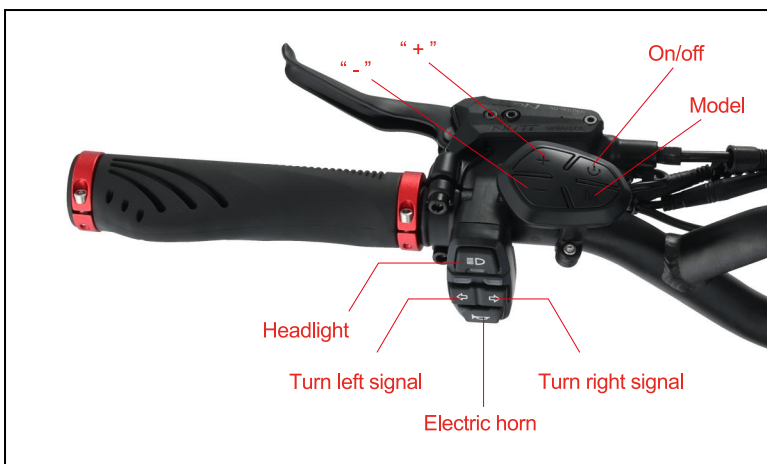
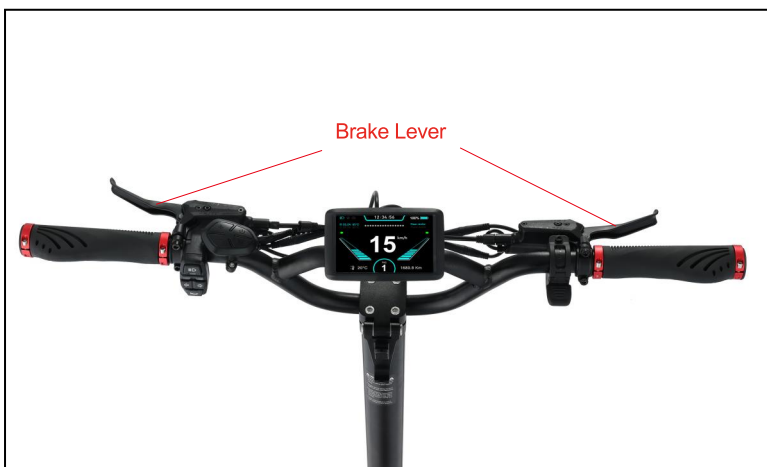
For the safety of passengers, be sure to wear a full face helmet and the other protective gear(knee, elbow, hand, upper body) and do not wear shoes such as slippers, high hills that interfere with driving.

02. Precaution before driving

- 1) Night driving should be avoided in any case, be sure to wear helmets and other guards (knees, elbows, hands, upper body, etc.) and drive safely.
- 2) Select the mode that suits you and drive . In order to cope with the sudden situation, exercise to slow down to hold the brake at all times.
- 3) When turning left / right, slow down to avoid danger of overturning or slipping., And then turn slowly and safely.
- 4) To go backward, it is safer if you get off the product after stopping before moving again.
- 5) It is prohibited to use in a slippery place, a crowded place, a steep slope, roads with a risk of accident, and uneven road.
- 6) When crossing a pedestrian crossing, get off the product for pedestrian safety.
- 7) Do not drive in a threat of any other means of transport, such as animals, pedestrians, bicycles, motorcycles, cars, etc.
- 8) If you pass the speed bumps and obstacles, be sure to slowdown.
- 9) When decelerating or braking, do not stop with foot, but stop with using brake appropriately.
- 10) Be careful that there is a risk of burns due to heat from motor and brake (especially disk) after driving.
- 11) It is prohibited to drive with the way by holding the handle with one hand
- 12) Do not ride or drive when the kick stand is down.

03.Name of each part





Caution !

Do not hold the handlebar only when lifting the product from box. Please be careful that the fixing slide of the folding part may be damaged, and a safety accident such as a part of the body may be caught. Therefore, when lifting the product, it is necessary to raise the handle bar first, and then slowly lift the body (footrest) of the product with both hands and do not damage the folding part.

04.How to use the product

1) Product unfolding

Step1. Hold and lift the stem.

Step2. At the same time, pull the small lock outward and stand upright.

Step 3. Push the lock and complete the pole locking after hearing a "click".



Assembling T bar

Step1.Loose the screw on handle stem with tool.

Step2.Put the T bar on handle stem,make sure it's in middle.

Step3. Tight the 4 screws on handle stem with tool.



2) Assembling the display, and brake lever



-Adjust the position of the brake and tighten the fixing bolts with a 5mm hexagon wrench.

3) Product folding

Step 1. Push the small button upward and pull the folding buckle outward


Step 2. Pull out the black safety buckle and put down the pole



4) How to start



Step1. Turn on/off the scooter

- 1) Long Press the  button and the screen lights up
- 2) Enter the password to turn on the scooter. Press the **+** or **-** to choose the number and press the **M** button to the next. After entering all the passwords, press and hold the **M** to turn on the scooter

* **Note:** Usually the default password is "1111"

* The power of the display will turn off automatically after a few minutes of inactivity. At this time, the LED lamp is also turned off, so turn it off with the LED lamp button before you turn it on again.

Step2. Stance for driving

After tilting the kickstand, find a stable position on the footrest and then hold the handle grip comfortably. Be careful not to raise your foot on the rear fender.

* Scooter are regularly with "zero start" when out of factory, users need to kick ground to start ride.

Step3. Acceleration

Acceleration can be performed by using the throttle of the display while driving, and the deceleration or stop can be performed by holding the brakes on the handle.

Caution !

Before driving, be sure to check the folding part, the handle part and the part where the main fixing part of the product are fastened well. And check the position of folding part fixing status.

Throttle malfunction caution

Regardless of whether the throttle is operated or not, the motor sensor may continue to operate, causing malfunctions such as sudden acceleration. In this case, holding the brake lever to cancel the operation. This phenomenon may be caused by corrosion of the throttle, immersion of the throttle, disconnection of the magnet, broken off levers, and broken spring. Do not bounce the throttle lever strongly.

5) How to stop

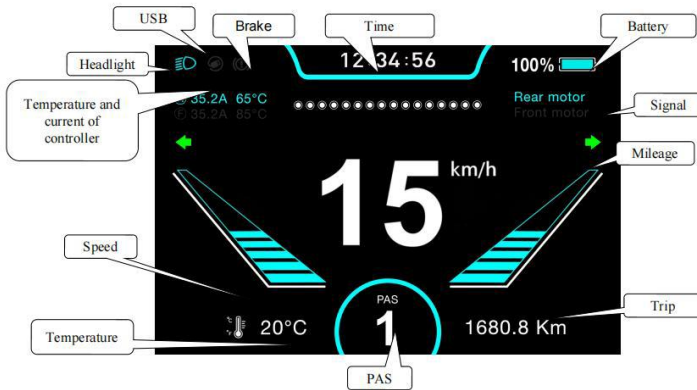
Attention to using the brake gently first, don't brake suddenly. When you brake gently, the ABS function started. This will be very effective in reducing speed. After the speed dropped, the brakes are finally applied to stop the scooter.

Tip: Check for safe braking

*For safe braking, check whether the brake lever and drum brake connection are damaged before and after driving (wire damage, external breakage, etc). And check brake wear and looseness of brake inner core (inner wire). In the case of hydraulic brakes it is also necessary to check the oil leakage or deficiency and always check that the braking force is sufficient.

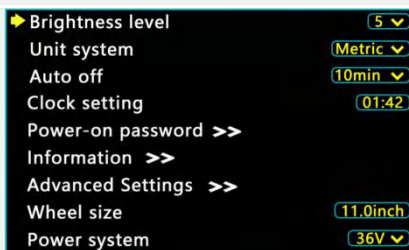
*Due to various factors such as road surface condition and speed, the brake can't stop the scooter as expected. The electric ABS function is an auxiliary function to further increase the braking force. The user should understand the electric ABS and consider the braking time when riding.

05. Display/Switches introduction



5. 1	Power ON/OFF	<p>Press and hold POWER button to turn on or turn off the display. The display will automatically shut down if you do not operate it for 5 minutes (X could be 0~9) .</p> <p>*If a power-on password of the display has been set, you need to enter the correct password when starting.</p>	
5. 2	Assist Level	<p>Click on PLUS or MINUS to change the assist level. Top assist level is 5 , 0 for neutral. When power is on , the default assist level is 1.</p>	
5. 3	Mileage	<p>Press M button to switch mileage mode. TRIP→ODO→TIME→MAX SPEED.</p>	
5. 4	Headlight	<p>Press and hold M button to turn on or turn off the headlight and switch night/day mode.</p> <p>* It has 5 levels.(It needs communicate with the controller.)</p>	
5. 5	Single / dual motor	<p>Long press UP button to enable this function</p>	<div> <p>Single</p> </div> <div> <p>Double</p> </div>
5. 6	USB	<p>Charing parameter: DC 5V 500mA. USB will automatically cut power if the current is over 500mA.</p>	

MENU SETTING



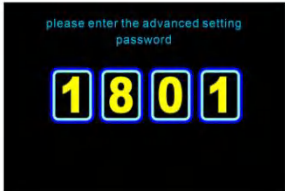

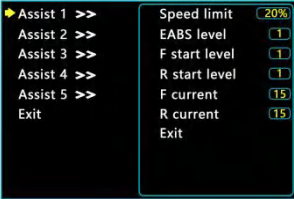
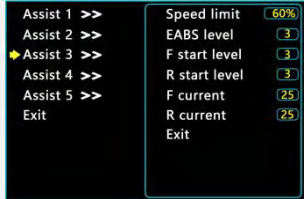
Click **M** button twice quickly to enter the menu. Press M button twice quickly again to exit.

M: To save and confirm

PLUS/MINUS: To adjust the item

1	Brightness level	Press M button to enter the setting menu. Adjust the brightness level by pressing + or = button. 1 is the darkest, 5 is the brightest. Then click M button again to save your choice.
2	Unit system	Click on +/- to switch the item and click on M to save your choice. Unit system→ Metric/Imperial
3	Auto-shutdown	Click on + or = to adjust the time to shut down. 1/3/5/10 minutes of OFF.
4	Clock setting	Click on M to adjust the time.

5	Power-on password	<p>Press M button to enter the password setting menu. Double click M to exit the interface. You can adjust the digit by taping + or - button. And click M to save your choice. If you want to have a password at the beginning when you start the display, please turn on Start Password. If you do not want to do so, please turn OFF Start Password. You can also reset a password by clicking Reset Password item.</p> <p>Default password: “1111”.</p> <div data-bbox="364 421 644 584"> </div> <p style="text-align: center;">Input Password</p> <div data-bbox="653 421 933 584"> </div> <p style="text-align: center;">Input New Password</p>
6	Information	<p>Click on M button to enter the menu. Click M or POWER to exit to the main menu.</p> <div data-bbox="361 828 637 1013"> </div> <div data-bbox="653 828 933 1013"> </div> <div data-bbox="361 1026 625 1204"> </div>

7	Advanced Setting	<p>Click on M to enter the menu. Click on + or - to adjust digit.</p> <div>   </div> <p>Speed limit→ 10%-100% Cruise→OFF/AUTO/MANUAL ABS→OFF/ON Speed magnets→ 1-88 Assist parameter → speed limit/EABS/ strength of front motor/strength of rear motor/current limit of front motor/current limit of rear motor Click on + or - to select PAS level and press M to confirm your selection. Click on exit to back to the previous menu.</p> <div>   </div> <p>Export→ NO/YES: If you select YES, speed will be limited to 25km/h Temp protection→80°C-130°C Zero Start→NO/YES</p>
8	Wheel Size	Click on M to set the wheel diameters. Press + or - to adjust the value.
9	Power System	36V/48V/52V/60V/72V
10	Exit	Double click on M to exit to the main menu.

Caution !

When defective happen, please ask help from dealer, don't repair the scooter by yourselves!

Error Code	Info	Refer to
1	Motor phase loss	1: Motor phase loss fault; 0: Motor is not faulty
2	Hall fault status	1: Hall fault ; 0: Hall is not faulty
3	Braking status	1: Braking ; 0: No braking
4	Turbo fault status	1: Turbo fault ; 0: Turbo is not faulty

5	Under voltage protection status	1: Under voltage protection in progress; 0: Not undervoltage protection
6	Controller fault status	1: Controller fault 0: Controller is not faulty
7	Communication fault	1: Communication fault (cannot receive data from the instrument) 0: Communication is normal
8	Over temperature protection:	1, temperature is too high; 0: None

06.RGB lights introduction

RGB lights are assembled in stem pole and side of the body deck.

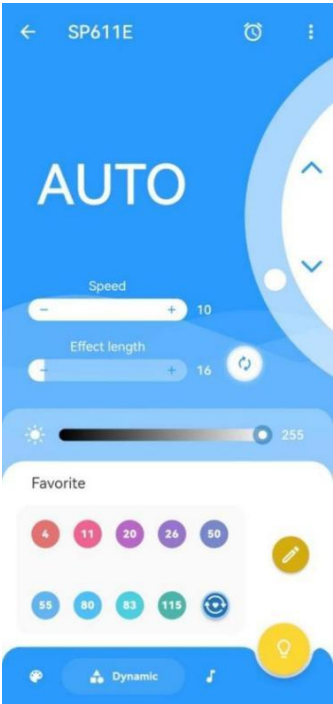
Step1.Scan the QR code and download the App


* NOTE: This controller supports control by mobile APP and supports IOS and Android systems;
Apple phones require IOS 10.0 or higher, and Android phones require Android 4.4 or higher;
You can search "BanlanX" in the App Store or Google Play to find the APP, or scan

the QR code to download and install it





Step2. App Operations




- Open the App and click the  on the upper right corner of the homepage, add devices by scanning for devices, or creating a group of multiple added devices; Click on an individual device in the device list to access the control page to control the device individually;

























- Click on a group in the group list to enter the control page to control all devices in the group at the same time;

- User can modify the device name and calibrate the RGB channel sequence by clicking  on the upper right corner of the operation page.

- User can set up to five timing events by clicking on  in the upper right corner, please note that all set timing events will be deleted when the controller is powered off.

- In the effects page, there are a variety of music effects and non-music effects, users can set speed, brightness color and effect length for a specific effect.
*Note: User can find more detailed information and help by clicking the  button in the top right corner,

3. IR Remote Functions:

		 ~ 									
ON	OFF	16 Static colors		Rianbow	Meteor	Stars	Fire	Mode +	Mode -	Favorite Mode +	Favorite Mode -
											
All Auto	Favorite Auto	Speed +	Speed -	Bright ness-	Bright ness+	Length +	Length -	Music Mode +	Music Mode -	Music Auto	Change Color

4.Button Functions:

On/Off button : Turning  on or off the LED light;

Mode button M : Switching the effects;

Speed button S : Adjusting the speed of the non-music effects.

07.How to use the charger correctly



1)Basic charging method

Step1. Open the charging port cap and connect it to the connector of the charger and connect it to the household outlet.

Step2. Charging status indicator: (Red) Charging; (Green) Charging complete.

Step3. Be sure to close the charging port cap when driving or storing except when charging.

Step4. When connecting the connector to the charging port, metallic sparks due to voltage difference may be splashed, but this is normal.

2) Charging precautions

Failure of the charger and abnormal conditions can cause electric shock and fire. Learn the correct usage and prevent safety accidents in advance.

1. Manufacturers and sellers are not responsible for any problems arising from any disassembly, modification, or mixing with other chargers.

2. The charger is forbidden to be used in places subject to high humidity, heat, flammable materials, confined spaces, or where there is no ventilation such as in a car.

3. The charger is not waterproof. It is thoroughly controlled to prevent moisture from entering the charger.

4. Children and pets should not be allowed to approach the charger when they come into contact with them, as they may cause an electric shock.

5. If charger lamp does not light, charger fall, strong external shock, long time charge, or cable cover damage, discontinue use immediately contact the service center.

6. Unplug the charger when you are away from home for long periods of time.

7. Use only genuine charger.

8. Do not insert conductors into the charging port.

9. Do not touch the plug for about 10 seconds after unplugging the charger. There is a risk of electric shock from instantaneous discharge.

10. Do not remove the terminal during charging. Charge the internal circuit of the charger will cause malfunction.

11. Do not operate the product during charging.

12. Charging terminals should be firmly contacted during charging and should not be used if terminals are corroded or damaged.

13. When disconnecting the charger from the product, it is safe to hold the terminal without holding the wire.

08. Safety precautions for Lithium-ion battery

1) Care Lithium batteries should be protected from direct exposure to children and pets.

2) Performance ① .Lithium battery is affected by external temperature. In winter, when the temperature is low, the performance of the battery is temporarily deteriorated and the mileage and power output is reduced. ② Lithium battery has a characteristic that discharge performance is reduced by more than 15% when charging /discharging 300 times or more. If usage time is shortened due to long usage, it should be replaced with a genuine one through the nearest point.

3) Charging ① .Lithium battery should be used only with genuine battery and charger supplied from the manufacturer. Any problems caused by use of battery not made by the manufacturer, mixed use, or using the charger are not covered by the manufacturer. ② Charging the lithium battery with a non-genuine charger may cause malfunction or fire . ③ The lithium battery should be charged in a well- ventilated, dry place and around the charger in a place where there is no inflammable material . ④ Lithium battery should be charged at 0-45°C and discharged within - 10-60°C . Charging or discharging at a temperature outside this range may cause malfunction, fire or explosion. ⑤ In case of moving from cold outside to warm indoor, please charge it after 1-2 hours. This is to prevent condensation from occurring inside the product due to temperature difference.

4) Storage ① Lithium batteries should be kept away from snow, rain and direct sunlight. Do not store or charge them in a trunk or hot room. Select a dry place and store at room temperature (10 ~ 20 °C). ② When storing for more than 3 months, charge the remaining battery level to 70 ~ 80% (do not store full charge).

5) Trouble symptom, safety ① Lithium battery should be discontinued immediately if it is damaged or leakage of battery, sour odor, appearance deformation, etc., and contact the place of purchase to get technical support and service. ② If overheat, smoke or ignition is detected in a product with lithium battery, immediately stop charging and use, move the product outdoors as soon as possible, and then use



a fire extinguisher to evolve. Do not spray water or immerse the product in order to evolve, which is more dangerous. ③ Lithium battery pack has very high energy density, so if you charge the battery for a long time in case of short-circuit, leakage, bad battery, etc., there is a possibility of ignition. Therefore, you should avoid charging for a long time without a person, and charging must be done while the person is aware that the risk of unexpected fire can be avoided.

6) Misuse If the lithium battery is short-circuited or the polarity is changed, or if the battery is impacted, malfunction or fire may occur. If you think that the battery has been impacted, you should stop charging and using it and visit the nearest point for inspection.

7) Water inflow It should be controlled to prevent water inflow into the lithium battery. There is a risk of fire or electric shock if the charger is connected while moisture is present.

8) Caution Disconnect the battery from the main unit and prohibit recharging, reinstalling, or using other applications.

9) Disposal Disposal(When disposing of the lithium battery, the battery should be separated from the product at the point of purchase or near the point so that the charge and discharge terminals are not short-circuited. Dispose of it as industrial waste when disposing of it.

Danger !

Battery disassembly prohibited: Battery disassembly, modification and repairment are not covered under warranty.

09.Safety guidelines before driving

1)Required checking before use

Step1: Check throttle and handle

* Operate the accelerator throttle lever about 2 ~ 3 times to check whether it returns to the home position.

* Be careful that excessive throttle Leaning and manipulation of the throttle can cause malfunction due to internal parts damage.

*Check the fastening condition and clearance of the QR lever on the handle.

Step2 : Check brake and cable

* The brake braking force is sufficient to check the operating condition. If the braking force is significantly lowered, use it immediately after inspection and action.

* Check that the brake pad is not worn, that the cable is not loose, that the cable is not damaged.

*If there is an unusual feeling or noise during operation, check for breakage, wear and deformation of the inner wire of the brake cable.

*Check that the bolts and nuts of the brake fixing parts are not loose.

Step3 : Check tire pressure and uniaxial condition

* Check the front and rear tires for wear and punctures and check the proper air

pressure(45 to 50 psi) for the tire . When the shortage of air is shortened, the possibility of puncture increases, so check always.

*It is necessary to judge the replacement time by observing the appearance of the tire such as tire damage,uneven wear.

Step4 : Tightening check such as folding part and handle part

Make sure that the bolts and nuts of all parts of the product are tight and free from loosening. Check the fastening condition and clearance of the folding and fixing parts of the handle .tire such as tire damage,uneven wear.

Danger !

In this case,stop driving immediately.

If you encounter any of the following situations while driving, stop driving immediately and contact your nearest branch or service center for proper measures. If you provide pictures and videos to get accurate diagnosis, professional counseling is available.

- *Unusual heating of the motor
- *Brake braking status error
- *Error messages on the instrument cluster
- *When the throttle is returned to its original position
- *Abnormal noise if generated
- *Product smoke,ignition ,sour odor
- *When rain or wet with water or in a small situation
- *When other driving is judged to be unreasonable.

10. Maintenance

1)Maintenance and self-maintenance

Electric products can be damaged by various factors. The life span of each part varies depending on driving habits and driving environment. Parts that exceed the service Life may cause accidents. Let's manage various parts and prevent safety accidents in advance.

Step1 : Check the replacement timing of consumable parts

1 . The components and suspension, tires, tubes, wheels, bearings, headset bearings, discs, brake pads, cables and folding parts, various brackets and other consumable parts require periodic inspection and always check.

Step2 : External damage inspection by driving environment.

1 . Replace parts that may be damaged by external driving environment, such as deformation of parts, cracks due to compression, and signs of exceeding fine gold or life expectancy.

- 2 . If the product is exposed to strong sunlight for a long time, discoloration may occur.
- 3 . In case of heavy driving such as normal jumps, slight impacts such as turning, collision, etc., when driving frequently or for a long time in a poor road condition or driving for thousands of kilometers or more, fatigue breakdown phenomena. Please check and replace the parts replacement schedule for each product for safety.
- 4 . Fatigue breakdown and maintenance parts may differ from the example conditions depending on the driving environment and the operating conditions. Also check parts other than the replacement cycle (maintenance parts) at all times to check for any signs of abnormality.

Important notice

1. Please note that after running, there is a risk of burns due to the heat on the motor and brake (especially disk rotor) side.
2. Be careful that the bolts of the motor, rim and motor shaft due to the ABS function maybe loosened.

2) Brake adjustment method

As you continue to use the brakes, the brake pads become worn out and the gap between the pad and the brake disc becomes wider. When the braking power drops, please ask the dealer change brake pad or adjust the brake device for you.



11.Product specifications

Specification		
Product Name	MW-Tiger 10Pro	MW-Tiger 10 PRO+
Motor Power	60V 2*1200W	60V 2*1200W
Lithium Battery	60V 24A	60V 24A
	60V 30A	60V 30A
Mileage	65KM	
Display	LCD Display	TFT Display
Lock	NFC LOCK	PASSWORD
Max Speed	25km/h(limited)	25km/h(limited)
	65-70km/h(unlimited)	65-70km/h(unlimited)
Lights	Head light+Front deck & Rear deck light+Turn lights+RGB side lights+brake light	
Braking System	Front&Rear domestic hydraulic brake	Front&Rear NUTT hydraulic brake
Tyre Size	10*2.7inch(vacuum)	10*2.7inch(vacuum)
	10*3.0inch(inflatable)	10*3.0inch(inflatable)
Suspension	Front & Rear hydraulic suspension	
Steering Positioning	YES	
Charging time(hour)	8-10H	
N.W./G.W.(kgs)	34/38 KGS	
Package Size(cm)	138*25*65CM	
Product Size	1320*600*1215mm(L*W*H)	
Body Frame	Ultra strong aluminum alloy 6061	

Remarks:

*The specification can be changed by manufacturer without notice to improve the quality and safety for users.

*The distance can be affected by loaded weight, wind direct (wind speed), road condition, slope and tire condition.

12. Guarantee card

User information:

Name: _____

Tel/Mobile phone: _____

Email: _____

Address: _____

Product information:

Mode number: _____

Series number(laser on body frame): _____

Date of purchase: _____

Date of return: _____

Fault disruption: _____

Fault cause: _____

Signature of receiver: _____



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