

24-Hour Hotline

400 878 1500

kaabo®



MANTIS

USER MANUAL

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FC CE RoHS
Compliant

CATALOG

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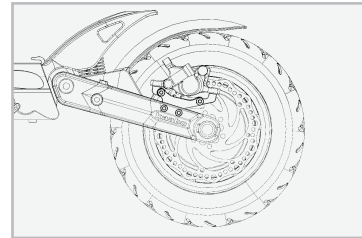
01 / PRODUCT INTRODUCE

▶ PRODUCT DIAGRAM

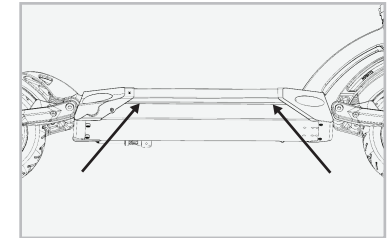


- | | | |
|--------------------------|---------------------|--------------------------|
| [1] Handle bar | [2] Hydraulic Brake | [3] Display |
| [4] Single Dual Switch | [5] Li-ion Battery | [6] Spot Light |
| [7] Front Shock Absorber | [8] Front Swing Arm | [9] Rear Footboard |
| [10] Taillight | [11] Sidelight | [12] Rear Shock Absorber |

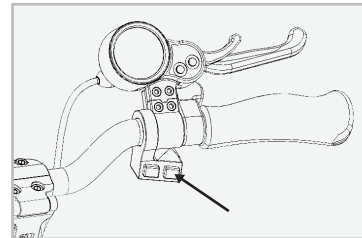
▶ PRODUCT DETAILS



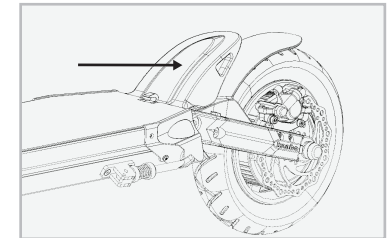
10x2.5 Pneumatic Tyre



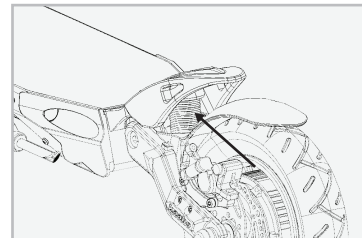
Sidelight



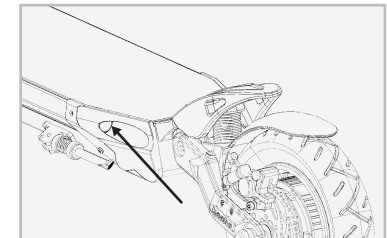
ECO MODE,
Single and Dual Motor Switch



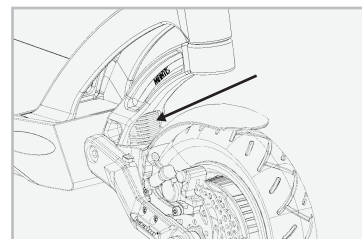
Rear Footboard



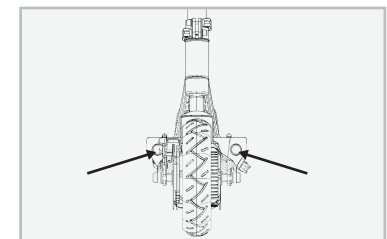
Rear Shock Absorber



Taillight



Front Shock Absorber



Spot Light

02 / PRODUCT SPECIFICATION

► SPECIFICATION-Mantis

| | | |
|-----------------|---|---------------------------------|
| Configuration | 48 V 13 AH | 60 V 17.5 AH |
| Battery Type | Chinese Brand | Chinese Brand |
| | | LG, Samsung or Panasonic |
| Motor | Single Gear Motor 500w | Double Brushless Motor 1000w X2 |
| Max. Range | 50 km | 80 km |
| Max. Speed | 35 km/h | 60 km/h |
| Max. Load | 120 kg | |
| Climbing Angles | < 30° | < 40° |
| Charging | 6-9 h+ (2A Charger) | |
| N.W | 21 kg | 26 kg |
| Frame | T6061 Aviation Grade Aluminum + One-piece Forging | |
| Brake | Front and Rear hydraulic Disk Brake+EABS | |
| Shock Absorber | Front and Rear Shock Absorber | |
| Display | LCD Intelligent Display | |
| Taillight | Yes | |
| Tire | 10.0x2.25 Tires | 10.0x2.5 Tires |
| Open Size | 1235 x 575 x 1267 mm | |
| Folding Size | 474 x 210 x 335 mm | |
| Package Size | 1320 x 300 x 520 mm | |

* The specification can be changed by manufacturer to meet the requirements and laws of different countries and regions.

* The distance on the specification is 60kg load, 20km/h constant speed riding basis and the driving distance can be shortened by the riding terrain and the driving way of user.

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

03 / SAFETY INSTRUCTION

► Tips

This Chapter is very important. Please read carefully and understand all the instruction. We will not be responsible for any property loss, casualties, accidents, legal disputes caused by violation of the safety instructions on chapter.

► Safety Instruction




1. Do not drive in rainy days.
2. Do not repair by yourself, electric shocks can occur.
3. Please abide by the local road traffic law.
4. Do not acrobatics.
5. One scooter for one person only.
6. Better to wear safety protective equipments such as a helmet, gloves, elbow and knee pads when ride.
7. Please practice on open ground first, and then ride on the road.
8. Adjust to a suitable height to avoid injury.
9. Suggest to charge six hours before the first time to ride the scooter.
10. Do not cut off the power when scooter is running.
11. Do not climb a step higher than 3cm to avoid turning over and possible injury.
12. Use and storage scooter temperature range is -5°C to 50°C.
13. If left a long time no use of the scooter, charge it once every month to maintain the longevity if the battery.
14. Do not ride in puddle deeper than 5cm or avoid sprayed directly by water in case of motor or electrical faults.
15. Keep feet on pedal when the scooter is run tuble.

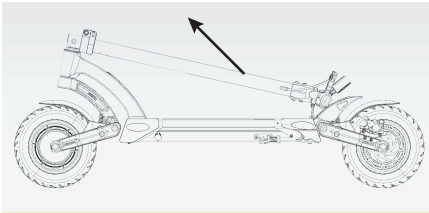


60km/h is maximum design speed, please do not exceed maximum speed for local traffic requirements when you driving this equipments, otherwise there may be danger!

04 / OPEN FOLD

 *Before driving, please make sure the quick release was locked, this is very important.*

► Open

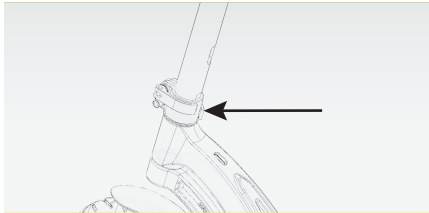
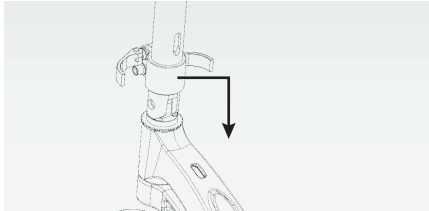


Step1:

Lift and straighten the handlebar stem.

Step2:

Press the locking ring down into place.

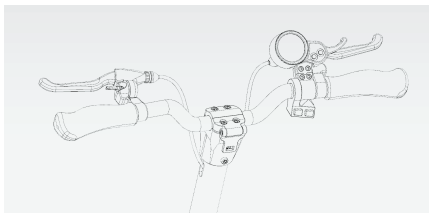
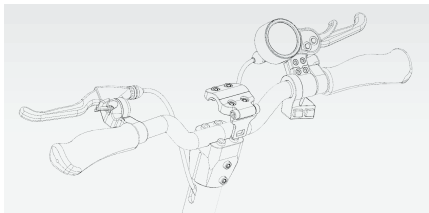


Step3:

Buckle quick release.

Step4:

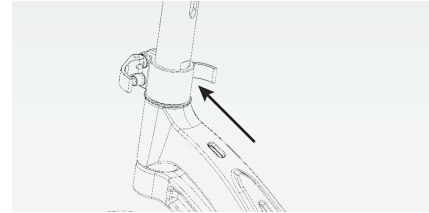
Put the handle cover into the handlebar base and cover with handlebar cover, and locking the four screws.



Step5:

Finished.

► Fold

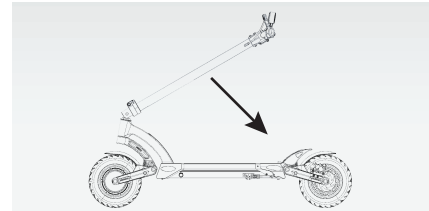
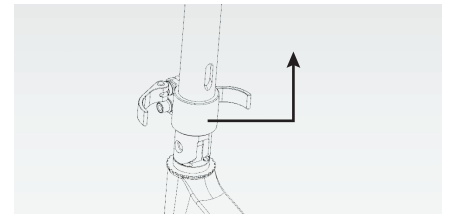


Step1:

Open quick release.

Step2:

Lift the locking ring.

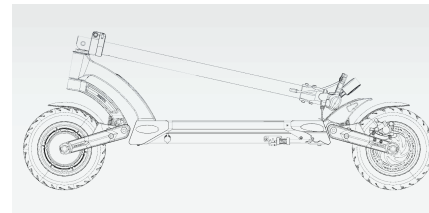
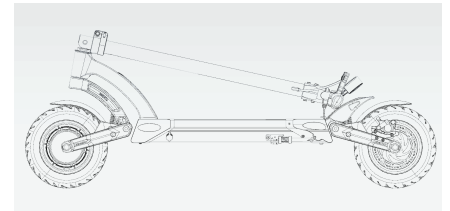


Step3:

Fold off the handlebar stem.

Step4:

Buckle the hook.



Step5:

Finished.

05 / BASIC OPERATION

▶ Speed Control

When the power is on, press the power switch and then the MODE button, the screen will show the level of speed. press Mode to change the Level (L1,L2,L3).

▶ Power Switch

Press the power switch for 3 seconds and the LCD panel will light up, power on now. If the scooter left 90 second unmoved, power will be off automatically.

▶ Power Indicator

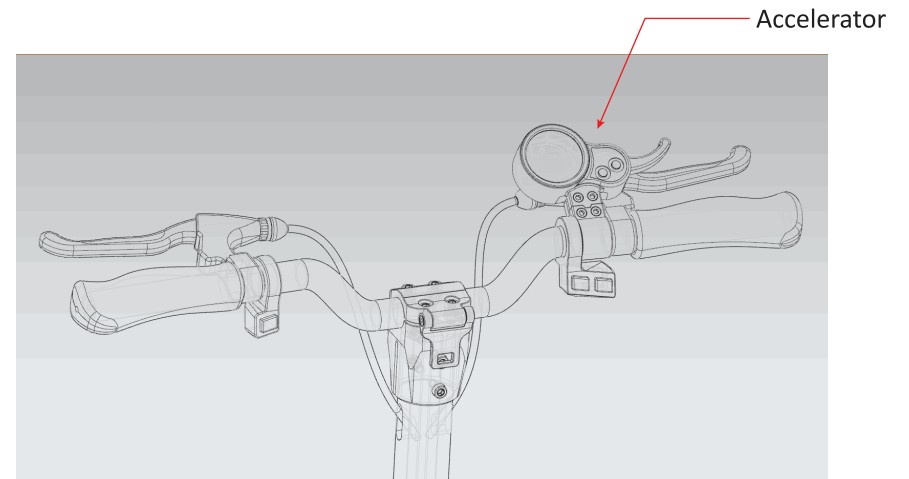
Small rectangles indicates battery power.



Do not wait to change until battery is fully running out. Change the scooter timely when there is only one rectangle or two left to avoid damage of battery.

▶ Accelerator

To control the speed.



▶ Mileage Indicator







[1] Speed
[4] MODE

[2] Remaining Battery
[5] Range

[3] Power Switch

► LCD Display

| | | |
|---|---|--|
| Touch & Hold  | Turn on/off THE POWER | |
| Press Down  | To enter TIME / TRIP / ODO / DST / VOL / CH 2:00 | |
| | CH 2:00 | If mobile phone connected to displayer for charging ,the scooter will turning on two hours at least . |
| Press Down  +  | At the same time to enter PARAMETER SETSTATE. | |
| PARAMETER SETSTATE | | |
| P0 | Tire diameter setting | P7 Soft and power start setting *No."0" represent "soft start " *No."1" represent "power start" |
| P1 | Voltage setting | |
| P2 | Motor magnetic pole setting | P8 EABS function setting |
| P3 | Speed signal selection setting | P9 Speed limit function setting |
| P4 | Distance units (km) (mile) setting *No."0" represent "km/h" *No."1" represent "mp/h" | PA Total kilometer clear setting |
| P5 | Zero and non-zero start setting *No."0" represent "zero start" *No."1" represent "PAS(non-zero start)" | PB Auto power off function, tacitly approve standby time 10 minutes |
| P6 | Cruise control function setting *No."0" represent "no cruise mode" *No."1" represent "cruise mode" | PC Display brightness adjustment function *No."1" represent "darkest" *No."3" represent "brightest" |

06 / TAKE THE FIRST RIDE

► Start

You should choose a right place when first riding, which is outdoors and should be flat, not be slippery and smooth, without obstacles. Spread the scooter and adjust the T-tube to the appropriate height.

► Driving

- 1.Press power switch to start.
- 2.Put one foot on the front section of the pedal and other foot on the ground. Boost yourself forward by the foot on the ground to start riding. Slightly pull the accelerator and tilt body forwards.
- 3.When the scooter starts to go forward, get your feet both on pedal. The harder you press the accelerator, the quicker you will be.

► Parking

Slightly and gradually brake to cut power and slow down. Do not brake hard,otherwise may lead to tire attrition, or suffer a sudden loss of power and fall down.

07 / DAILY MAINTENANCE

▶ Battery & Charger

Every piece of the scooter is equipped with specialized lithium battery and intelligent charger, so do not adopt other brand's. Other types of battery are not suitable to the scooter's charger.

▶ Lithium Battery

It is time to charge the scooter when the battery meter flickers or there is only one bar of power left. If left the scooter long time no use, please charge it once a month at least, otherwise the battery may become unusable.

▶ Charger

After scooter fully charged, please unplug power supply in time.

▶ Instruction of Charging

1. Insert the charging plug into the charge hole of the scooter first and then plug the other end to the AC supply.
2. It is under charging when the indicator light of the charger shows red. And when the red light turns to green. It means the scooter is fully charged.
(It is suggested that to charge one more hour to guarantee the range and endurance)

▶ Tire

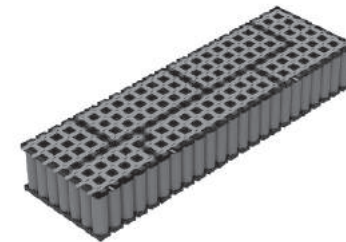
Mantis both wheels all use pneumatic tire.

▶ Brake

When the braking performance degradation occurs, adjust the regulator (nut) in the rear wheel in order to achieve the required sensitivity.

▶ Battery

The lithium battery of scooter is able to recharge for 1000 times. The battery needs changing when range per full charge shortens sharply.



08 / FAQs

► Checking List

When the scooter can not work normally, please check the following list.

- Power is on.
 - There is surplus electricity.
 - Brake is unstuck.
 - All the hubs and connectors are clean and in accurate link.
- If all the above are yes and the scooter still do not work, please consult with people involved.

09 / WARRANTY

- When the following issues occur, please consult with the vendor (after-sales department).

| Accessory | Quality issue | Guarantee Period | Service |
|----------------|--|---------------------|-------------|
| Motor | Out of Service | One Year | Free Repair |
| Controller | Break down under normal use | One Year | Free Repair |
| Charger | Break down under normal use | One Year | Free Repair |
| Battery | Unable to recharge under normal use | 1000 times recharge | Free Repair |
| Body Structure | Deformation under normal use or breakage | One Year | Free Repair |

The following terms are beyond the scope of warranty:

1. Malfunction due to misuse

2. Malfunction caused by unauthorized modifications, disassembling ,or repair.

3. Accidental damage or malfunction due to unsuitable storage.

4. Unmatched warranty/proof of purchase and product.

5. Surface damages

6. Disassembling parts unspecified in this manual.

7. Damage or malfunction caused by long rides in the rain or soaking in water.



10 / MEMO

▶

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