

Mankeel

Novice Operation Manual



For more technical support, pls scan the QR code to check more videos instruction.

Mankeel Silver Wings

*Please read and follow the instructions of this product carefully

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All pictures are for reference only, please refer the actual product for more details

1. Products and accessories

Integral electric scooter body



Accessories:

Item	Picture	Quantity	Using
Charger		1	Charging
M3 hexagonal wrench		1	Fixing headstock
M5 hexagonal wrench		1	Adjust disc brake
Screw pack		5	Fixing screw of headstock
User manual		1	Guide for installation and use of electric scooters
Extension nozzle		1	Air inflation
Brake cable cap		1	Protect the brake cable

2. Assembling

Step 1: unfolding the folder



Loosen the folding handle



Straighten the scooter pole upright

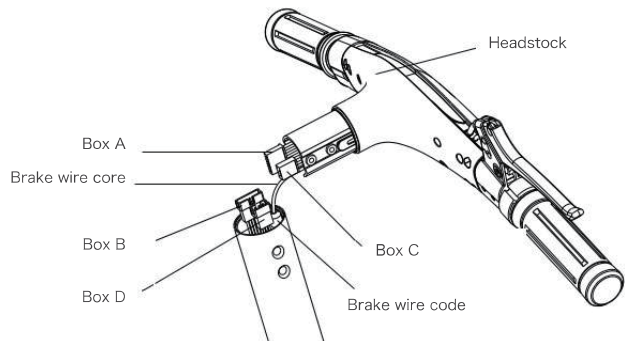


Keep the scooter rod vertical,
press and lock the folding handle

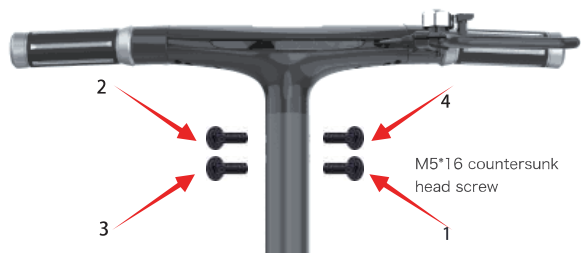


Push the sleeve down to
the bottom to complete unfolding

Step 2: Hold the headstock with one hand and the brake cable core with the other. Thread the core into the brake cable tube and slowly feed it in. When it is as shown in the figure below, set the headstock cable and The male and female seats of the key cable respectively docked.



Step 3: Insert the headstock into the branch pole, and install the headstock cable, key cable and brake cable core into the branch pole until the 4 holes of the headstock are aligned with the 4 holes of the branch pole. Take out the 4 screws in the screw package and tighten them with an M3 hex wrench.



Step 4: Brake cable installation



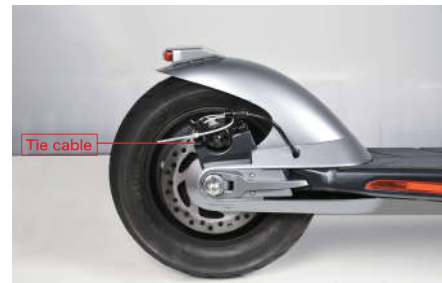
Straighten the brake cable, Install the brake cable into the brake cable tube in the lever



Insert the brake cable into the hole of the retaining bolt as shown



Tighten the retaining bolt with the M4 hex wrench



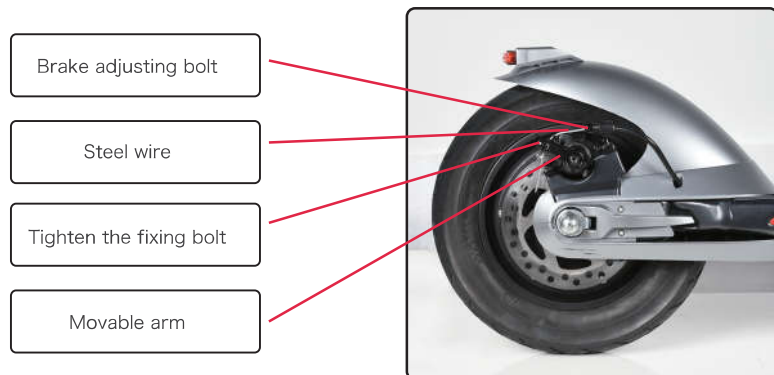
Cut off the tie cable ,test the braking effect, adjust the appropriate position before riding to avoid injury.

Notice: after installed the brake cable, please don't forget to buckle the brake cable cap at the end of the brake cable and press it firmly to protect the brake cable from unraveling.

3. Brake mechanism adjustment

Brake: During the riding, hold the brake lever to the 2/3 position,
the brake is in a locked state.

If there is no effect, adjust it as follows:



- 1), Minimal adjustment: turn the adjustment bolt counterclockwise (the adjustment bolt at the brake handle and the adjustment bolt at the disc brake device), remember not to fully turn out.
- 2), Wide-range adjustment: loosen the fixing bolt with an M4 hexagon wrench, fix the end of the brake wire core with pliers, and rotate the movable arm clockwise to the proper position, Then tighten the fixing bolts, then check the braking effect and adjust to the proper state.

4. Assembling headstock and unfolding and folding methods and folding mechanism adjustment

- Unfolding: Refer to the unfolding method in assembly headstock
- Folding



Lift the sleeve up to the above of the handle.



Pull the folding handle to the proper position.



Rotate the lever to the horizontal position.



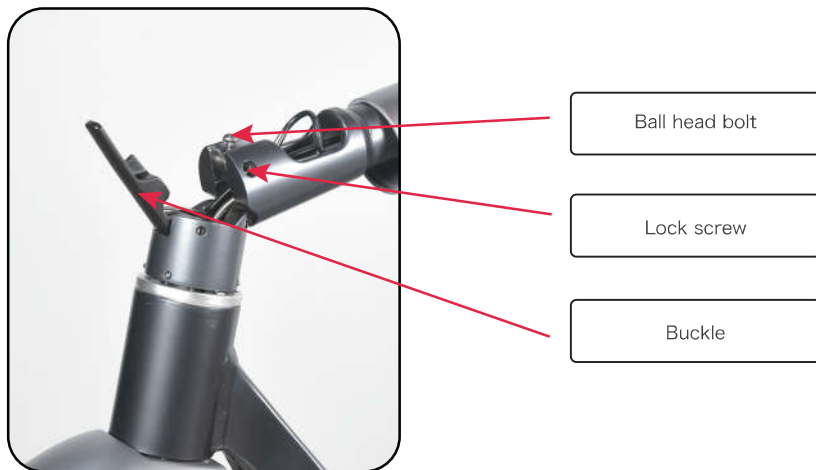
Rotate the folding handle to the snap position to complete the folding.

• Folder adjustment

For the first use or after using it for a period of time, it is necessary to check whether the folder mechanism is loose and whether the braking effect is appropriate.

Folder mechanism: When shaking the handlebar during the riding, the folding mechanism cannot be loosened. If any, it should be adjusted as follows:
Use an M3 adjustable wrench to turn the adjusting bolt.

Shake the handlebars in a static state, and the branch pole should not be loose. If there is any looseness, it needs to adjust as follows:
Use an M2.5 hexagonal wrench to unscrew the screw about 4mm, and then use an M3 hexagonal wrench to unscrew the ball-head bolt counterclockwise, make the folding handle pull open and lock properly, and then tighten the screw.



5. APP

There are safety risks in using the scooter. please carefully read the safe driving guide before using it for the first time.

Please install an APP on your mobile device (with Bluetooth 4.0 or higher cost Bluetooth function) first, connect your scooter via Bluetooth, and then you .You can use the complete function.

If you have any questions about the scooters, please feel free to contact us by **email: amzservice@mankeel.com**. We will reply within 24 hours.

Mankeel electric scooter APP connection steps

1.Scan the QR code above to download the Mankeel electric scooter APP (You can also search for the key word "Mankeel" in the Apple Store or Google play to download)



2.If your mobile phone is IOS system, please turn on the Bluetooth function before connecting
If your mobile phone is Android system, please turn on the mobile phone positioning function and the Bluetooth function before connecting the electric scooter.














3. Start the electric scooter — open the mobile APP — click "search device" — the scooter model logo appears on the Bluetooth search interface — click the scooter model to connect —enter the connection password: 000000 — the Bluetooth will changes from flashing to steady on of the scooter display after the connection is successful.

Remarks: The initial password of the new scooter is 000000, the user can change the password through the APP.



Android/IOS
APP download

6. Screen content instruction

Specification	Remark
	Electricity
	Vehicle running timing
	Brake lever fault
	Speed controller fault
	Controller fault
	Motor fault
	Real time speed
	Running mode, gear display, 15KM/H-20KM/H-25KM/H.
	Running instruction, the wheel icon will move when vehicle running.
	Total mileage with automatic memory
	Head lights turn on display icon

7. Charging mode

- Please charge before your first ride
- When the battery level reaches the yellow grid, it is recommended to charge before riding
- Charging steps:
 - Open the charging port plug
 - Plug in charging socket(red indicator light will illuminate).
 - Insert the charger (the red indicator light is on to indicate the charging status)
 - Disconnect the charger in time after fully-charged (when green light is on)
 - Tighten the plug of charging port.

Button description	
Long press	Turn on / off
Short press one time	Speed gear switch
Press twice in quick succession	Turn on / off the headlight
Press three times in quick succession	Turn on or off the atmosphere lights

8. Model parameter

Model parameter table

Performance indicator	Items	Parameter
Product dimension	Unfold size(mm)	1130*580*1135mm
	Folded size(mm)	1130*580*500mm
	Package size(mm)	1200*240*560mm
Color	Volcanic grey	

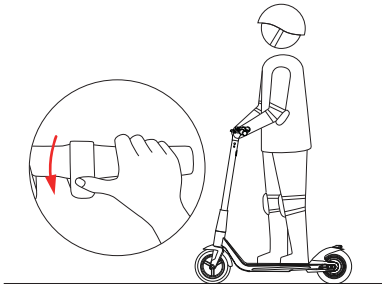
Performance indicator	Items	Parameter
whole machine parameter	Weight	14KG
	Load	120KG
	Tire size	10 inch
	Tire material	Vacuum tires
	Frame material	Aviation aluminum alloy
	Travel range	35-40 km
	Speed	15-20-25KM/H
	Protective ability	IP54
	Gradeability (%)	18°
	Hook	Bearing weight 3-5KG
	Applicable terrain	Cement, asphalt pavement, flat soil pavement, lower than 1cm steps, lower than 3cm wide trench
Battery pack	Battery core	Standard 18650-2600mAh
	Charging time	3-5H

Performance indicator	Items	Parameter
Battery pack	Voltage	36V
	Volume	9Ah
	Storage temperature	-20°C~+60°C no more than one month/ -20°C~+45°C no more than one months -20°C~+25°C for one year
	Working teperature	0°C~+45°C for Charging/ -20°C~+60°C for discharge
	Rated power	350W
	Max power	500W
	Input voltage	100-240Vac
	Output power	42±0.2V
	Total output power	82W
Motor	Input voltage range	28-42V
Charger	Output control method	FOC
Controller	Limited output current	15A(Phase current 45A)

9. Learn how to drive



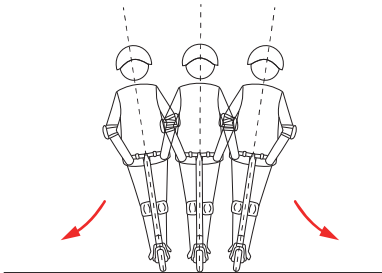
1. Stand on one foot on the pedal, push the other foot back on the ground and start sliding.



2. Step on the pedal with the other foot and keep your feet steady. After maintaining your balance, lightly press the right hand throttle finger to accelerate.



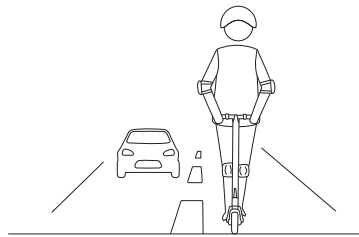
3. Release the throttle to slow down.
Press the accelerator to accelerate.



4. When turning, tilt the body center of gravity slightly in the direction of turning and turn the handle slowly.

10. Pay attention to avoid potential safety hazards

⚠ Warning: Serious injury may result if you do not follow the instructions below.



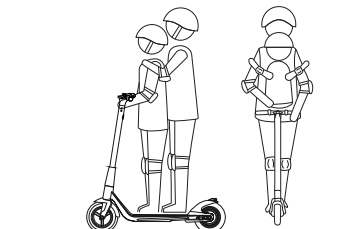
⚠ It is forbidden to enter public roads, motor vehicles roads or highways.



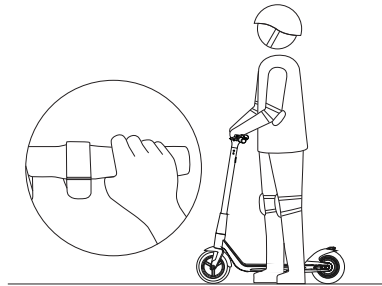
⚠ It's forbidden to drive without holding the handlebar and drive with one hand.



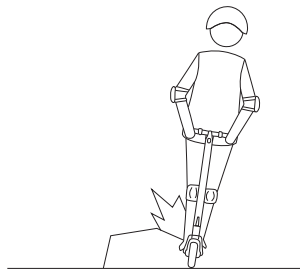
⚠ It's prohibited to drive on low-lying roads with water depths exceeding 2CM.



⚠ It is prohibited for more than one person to drive a scooter at the same time or to carry a child



⚠ Please do not press the throttle dial while walking and pushing the scooter.



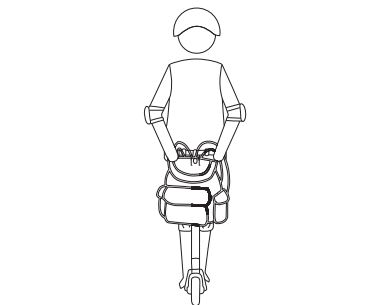
⚠ Please pay attention to avoid obstacles when driving.



⚠ Please avoid driving in the rain



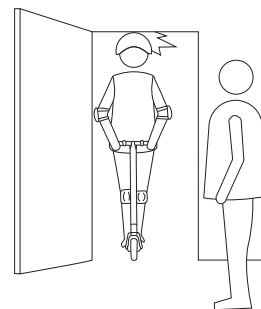
⚠ Do not pass at high speed when encountering unconventional roads such as speed bump/threshold/pothole.



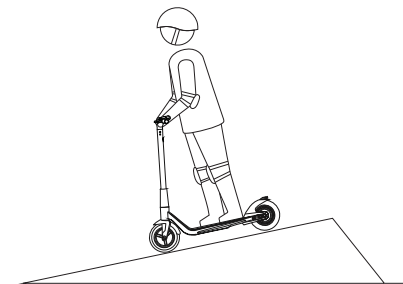
⚠ Do not attach heavy objects on the handlebars.



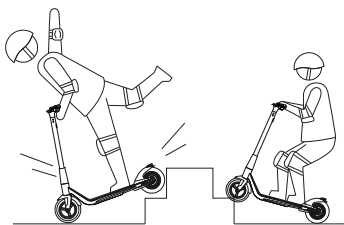
⚠ Do not drive with only one foot.



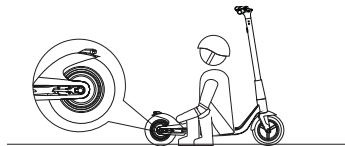
⚠ Please pay attention to high obstacles to avoid collision.



⚠ Please pay attention to control the speed when going downhill, and pay attention to the use of two brakes when driving at high speed.



⚠ Do not drive the scooter up and down steps or jump over obstacles.



⚠ Do not touch the hub motor due to high temperature caused by operation.

11. Safety instructions

The whole scooter

● A scooter is a sport and entertainment vehicle, not a transportation vehicle, but once you drive it into a public area (for example, the laws and regulations of your region and country allow you to drive a scooter into a public area), it will also have the characteristics of a transportation vehicle. Therefore, there are also possible safety risks that all vehicles exist. Driving in strict accordance with the instructions in this manual will protect you and others' safety to the greatest extent, and ensure compliance with the national and provincial traffic regulations and traffic regulations.

● Meanwhile you need to understand: Once the scooter is driven on a public road or other public place (if the laws and regulations of your region and country allow the scooter to be driven on a public road or other public place), even if you fully comply with this safe driving guide, you may also be at risk of driving/improper operation by other persons or means of transport. Just like walking or riding a bicycle can be harmed by other means of transportation. As with all vehicles, the faster you drive a scooter, the longer distance you need to brake. Slamming on the brakes on some smooth surfaces can cause the wheels to skid and lose balance or even fall. Therefore, it is very important to be vigilant while driving, maintain appropriate speed, and maintain a reasonable safe distance from other people and vehicles. Please remain alert and drive at a low speed before entering unfamiliar terrain.

● Please respect the right of way of the pedestrians when driving. Avoid scaring pedestrians, especially children. When passing behind a pedestrian, remind the pedestrian and slow down when

If possible, pass on the left side of the pedestrian (for countries where vehicles drive on the right). When facing a pedestrian, keep to the right and slow down.

● When driving in countries and regions where there are no relevant national standards and regulations for electric scooters, please be sure to strictly comply with the safety requirements for drivers in this manual. The Company shall not bear any direct or joint liability for any property, personal loss, accident, legal dispute, or any other adverse events resulting in conflict of interest caused by any violation of the use of this manual.

● Do not lend the scooter to someone who can't operate it to avoid injury. Give the scooter to a friend to use, be sure to be responsible for the friend's safety, teach him (her), tell him (her) must wear safety protection.

● Please do a basic check of the scooter before each drive. If any part becomes loose, battery life is reduced significantly, tires are worn excessively, steering makes abnormal noise or fails, please stop using immediately. Do not drive by force. Please contact us for professional advice or maintenance services in time.

Battery

● Do not use battery packs of other models or brands, otherwise there may be safety risks.

● Do not touch the battery contacts, and do not open or puncture the case to avoid short circuit caused by metal objects contacting battery contacts. Otherwise, battery damage or death may result.

● Improper disposal of waste batteries may seriously pollute the environment. Please comply with local regulations when discarding this battery pack. Do not discard this battery pack at will to protect the natural environment.

● Do not place the battery in a temperature higher than 50°C or lower than 20°C (for example, do not place the scooter or its battery pack in a car exposed to the summer sun). Do not put the battery pack into the fire, or it may cause the battery to fail, overheat, or even catch fire.

Please fully charge the scooter 60 days per time at least if it is not used for a long time.

Charger

● Only use the original charger, otherwise there is a risk of damage or fire.

● It is forbidden to remove the charger shell by yourself to avoid holding the metal object to touch the interface contact in the state of electrifying, otherwise there will be electric shock or damage to the charger, and such damage is not covered by the warranty.

12. Daily maintenance

Cleanup and storage

Clean up the main frame with a soft wet cloth. If it's difficult to clean stains, smear toothpaste and brush repeatedly with a toothbrush, and then clean with a soft wet cloth. If the plastic parts of the body are scratched, fine sandpaper can be used to polish them.

Notice

Please don't clean your scooter with alcohol, gasoline, kerosene or other corrosive, volatile solvents. These substances may damage the appearance and internal structure of the scooter body. It's prohibited to use the pressure water gun or water pipe to spray and scour.

▲Warning

Before cleaning, please make sure that the scooter is shut down and the charging cable has been unplugged and the rubber cover of the charging port has been tightened. Otherwise, electronic components may be damaged. When not in use, please store the scooter in a cool and dry place. Please do not store the scooter outdoors for a long time. Exposure to the sun and extreme temperature conditions (overheating and too cold) will accelerate the aging of the plastic parts and may lead to reduced battery life.

Battery maintenance

When storing or charging batteries, do not exceed the specified temperature limit (see model parameter table). Do not puncture the battery. Please refer to the laws and regulations of your area on battery recycling and disposal. A well-maintained battery works well even after many miles of driving. After each drive, please charge the battery to avoid the battery completely exhausted. Battery life and performance are the best when used at room temperature 22°C.

▲Warning

Please do not attempt to remove the battery, otherwise there is a risk of fire. Users cannot repair the parts contained in this product by themselves.

▲Warning

Please do not drive the scooter when the ambient temperature exceeds the operating temperature of the product (please refer to the model parameter table), because the maximum power/torque will be limited due to low/high temperature, which will cause slip or fall, resulting in personal injury or property loss.

13. Name and content of harmful substances in the product

Name of parts	Harmful materials					
	Lead (Pb)	HG (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBB)	Polybrominated Diphenyl Ether (PBDE)
Battery	×	○	○	○	○	○
Car body	○	○	○	○	○	○
Charger	○	○	○	○	○	○
Hub motor	○	○	○	○	○	○
Wire harness	○	○	○	○	○	○
Printed circuit board	○	○	○	○	○	○

This form is prepared according to the provisions of SJ/T 11364.

○: Means that the content of the hazardous substance in all homogeneous materials of the component is below the limit specified in GB/T 26572.

×: Means that the content of the hazardous substance in at least one homogeneous material of the component exceeds the limit specified in GB/T 26572.

14. Trademarks and legal notices

The company reserves all rights.

This manual has been printed as much as possible to include the introduction of various functions and instructions for use. However, due to the continuous improvement of product functions, design changes, etc., it may still be inconsistent with the product you purchased. In addition to this product, there are a number of different functional series and models. Some of the features mentioned in this manual may not be available on your other products. Due to the update of the product, there may be some deviations between this manual and the actual product in terms of color, appearance, etc., please refer to the actual product.

15. Warranty Policy

Implement after-sales service of three guarantees, The service content is as follows:
Warranty Policy

① Within 7 days after the user signs the scooter, if there is a non-human performance failure, the consumer can choose to replace or repair the scooter. The replacement of the scooter shall be handled by the effective purchase tax.

② Within 15 days from the next day after the user signs for the scooter, if there is a non-human performance failure, the consumer can choose to replace or repair the scooter, among which gifts are not included in the replacement scope.

③ 7 days return without reason is only applicable to goods consumed on official e-commerce platforms. Artificial damage and random parts missing are not in the range of 7 days return without reason. The logistics expenses incurred by the return is covered by the consumer.

④ 7 days return without reason needs to meet one of two situations below:

【1】 The goods were received unopened with the package and the scooter intact.

【2】 The goods have been received and opened. The scooter and all the related accessories (such as user manual, charger, etc.) are intact. The product is not activated and does not have any use trace, which does not affect the secondly use of the product. The specific standard consultation customer service.

⑤ The starting time of warranty shall be the purchase invoice, the order of the official e-commerce platform, the activation date of the product or the record date of the company’ s system in turn (the starting date of warranty shall be the second day the customer signs for the goods.)

Type	Warranty content	Starting time
Main body	Electric scooter frame body and main pole	1 year
Main components	Motors, batteries, controllers and meters	6 months
Other parts	Headlights/tail lights, brake lights, instrument housing, mudguards, mechanical brakes, electronic brakes, electronic accelerators, bells, tires, etc.	3 months

Note: Other exterior parts such as paint on the surface of the frame, decorative strips, foot pads, etc. are not covered by the warranty

Non-warranty policy

- ① The expiry date of three guarantees has been exceeded.
- ② Artificial damage.
- ③ The damage caused by irresistible factors.
- ④ Any damage caused by failure to use, maintain and adjust according to the instructions.
- ⑤ The invoice information is inconsistent with the product.
- ⑥ Failure or damage caused by using the product forcibly beyond the normal conditions of use, such as overload, driving over obstacles (including but not limited to driving down steps, falling, etc.), carrying out extreme sports, etc.
- ⑦ A person who is not authorized by the company removes or repairs bu himself.
- ⑧ Malicious damage product serial number, scooter body information, including fuzzy damage, tear, tamper, etc.
- ⑨ Other faults and damages not caused by design, manufacture, quality, etc.

Return and exchange policy

Sort	Time limit	Exchange type	Specific instructions	Start date
Exchange	15 days	Functional or quality issues as defined by national laws.	By the company or authorized service provider testing and confirmation, and issued a test report to confirm the quality of the goods	From purchase invoice, e-commerce platform order, product activation date or the company's system record date in turn
Product return	7 days	Functional or quality issues as defined by national laws.	By the company or authorized service provider testing and confirmation, and issued a test report to confirm the quality of the goods	From purchase invoice, e-commerce platform order, product activation date or the company's system record date in turn

Remark:

If you need to return or exchange the product, please contact the seller for communication and application directly.

You can also visit the company website: www.mankeel.com.for after-sales service.