



RICTOR reserves the right to make changes to the vehicle,  
release firmware updates, and update this manual at any time.  
Visit [www.rictor.com](http://www.rictor.com) to download the latest user materials.  
You must install the App to follow the new rider tutorial, activate  
your vehicle, and obtain the latest updates and safety instructions.

[www.rictor.com](http://www.rictor.com)

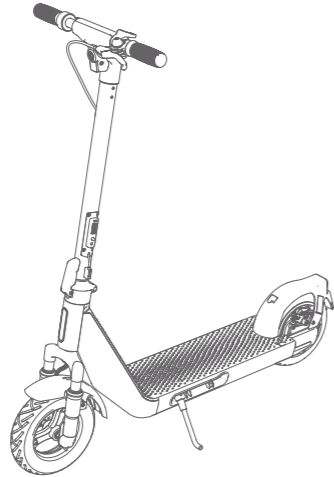
# Ace

## user manual

## WELCOME!

Thank you for choosing RICTOR electric scooter!

To ensure safe and satisfactory riding, please read and understand the contents of this manual carefully, and keep this manual for future reference.

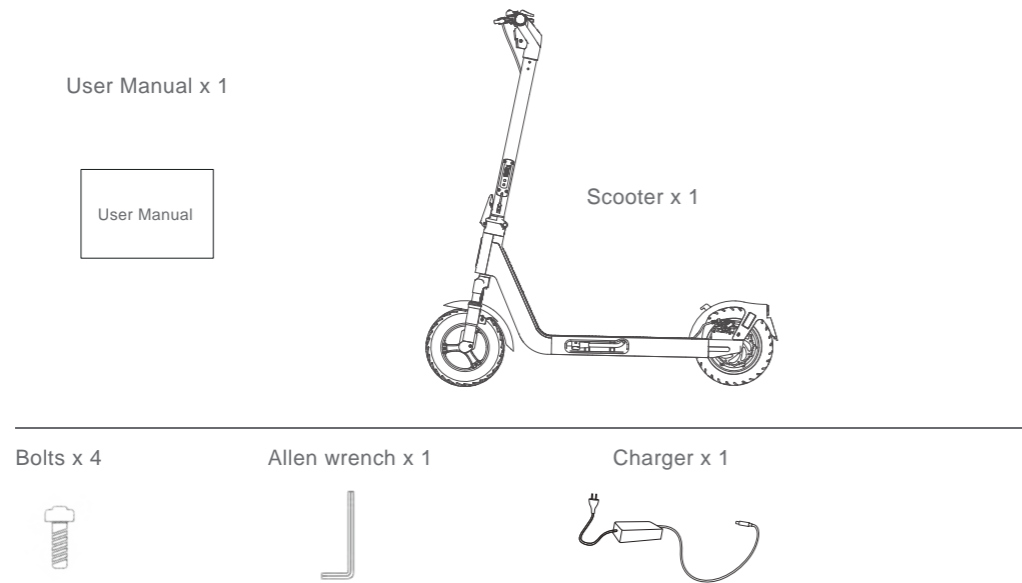


\*All pictures in this manual are for reference only, please refer to the actual product.

## Contents

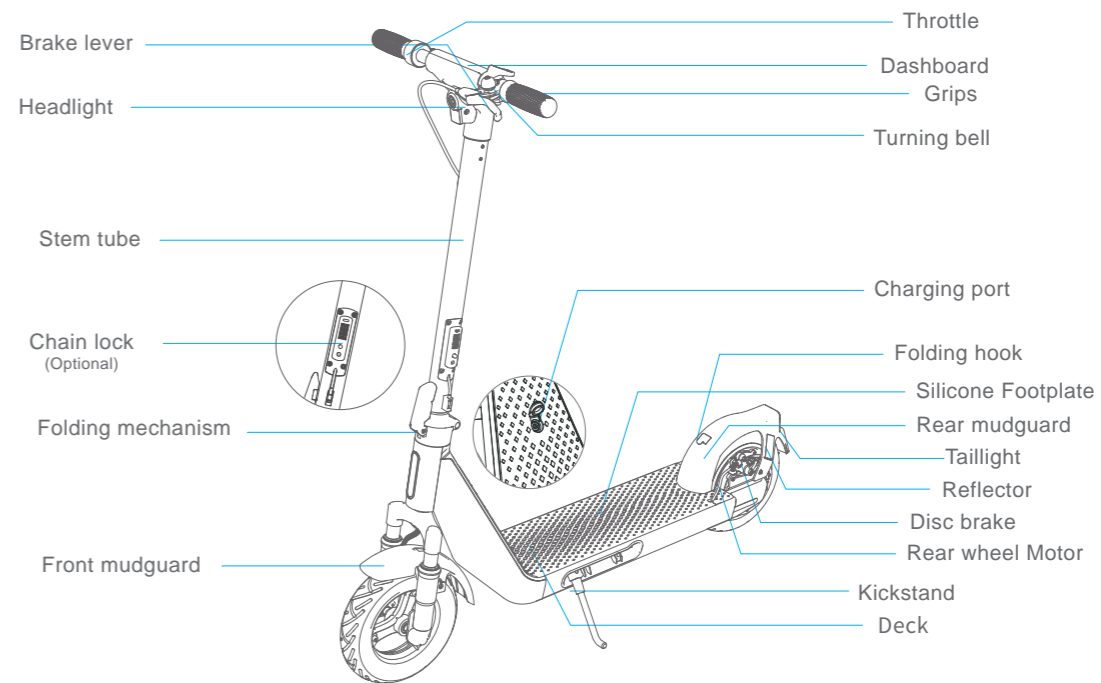
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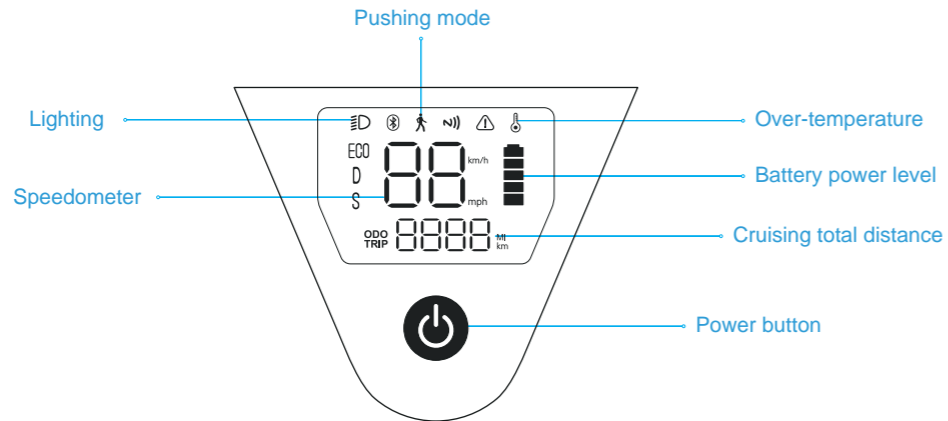
## 1 Packing List



\*Please check contents of box carefully. If there are any parts missing, please contact the seller for the replacements.

## 2 Product Overview





## Dashboard Controls

**Power button:** Short press to power on. Long press for 3 seconds to power off. When powered on, double-press to turn on/off the lights. Single-press to switch the riding modes. Long press for 2 seconds to enter Pushing Mode.

**Pushing Mode:** Speed ≤ 5 km/h, headlight and taillight are always on.

**Failure Alarm:** The symbol means failures of the vehicle.

**Over-temperature:** The symbol means over-temperature of the controller or motor.

**Speedometer:** Shows the current speed in normal riding or error codes when failures are detected.

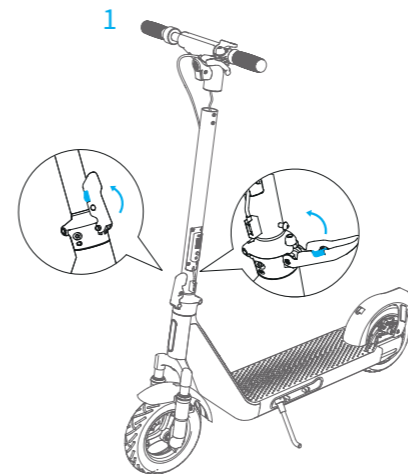
**Riding Modes:** 3 riding modes. ECO mode 15 km/h (energy-saving), D mode 20 km/h (Standard), and S mode 25 km/h (Sports).

**Bluetooth:** A solid Bluetooth icon indicates that the vehicle is connected to a mobile device. (Optional)

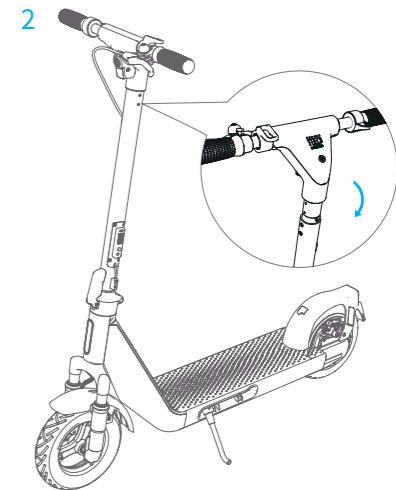
**Power Status:** 5 levels and each level represents 20% battery capacity.

**Total distance:** The total cruising distance of the vehicle.

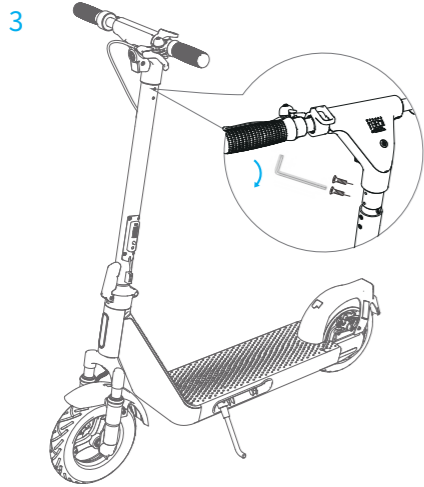
## 3 Assembly



1. Raise the stem tube up and secure by pulling up the folding latch.

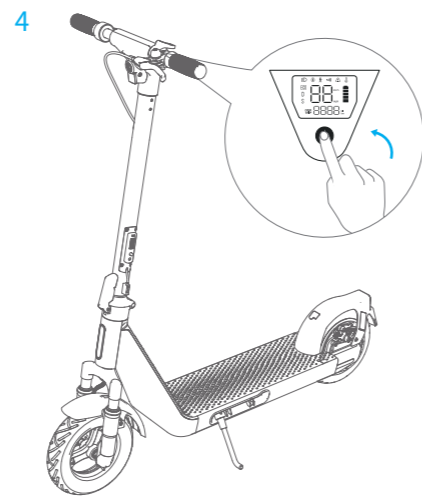


2. Install the handlebar into the stem tube.



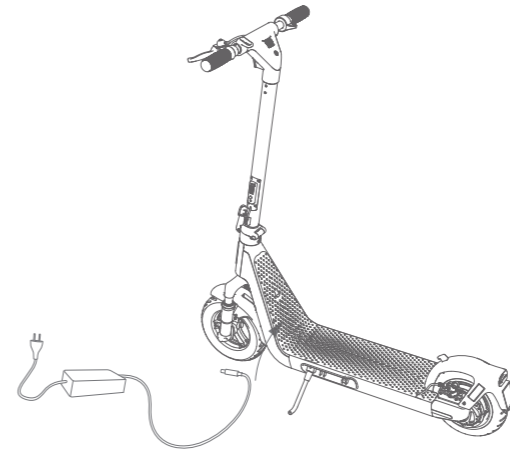
3. Use the Allen wrench in the box to tighten the bolts on both sides of the handlebar.

(Tip: When installing the bolts, please install all the bolts on 1/2 of the pole, and then tighten them separately to prevent the front part from warping.)



4. After the installation, test the vehicle by switching on and off.

## 4 Charging

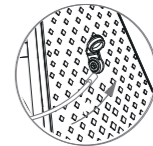


Charger indicator: Red - charging, Green - fully charged.

1. Ensure your scooter is turned off before you attempt to charge the battery.
2. Do not charge if the charging port, cable or socket is wet.
3. Please use the original charger! Do not use other brand chargers.
4. If the battery is damaged or waterlogged, please stop using it immediately and charging is prohibited.
5. Do not charge in high temperature environment.



1. Open the charging port cover

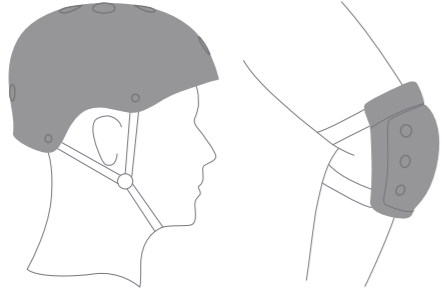


2. Put the DC connector plug into the charging port

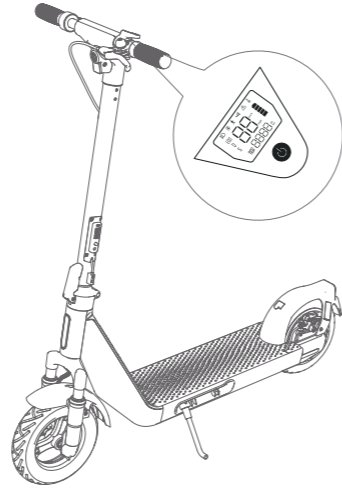


3. Unplug the charger from your scooter and put the charging port cover back in place.

## 5 To Ride



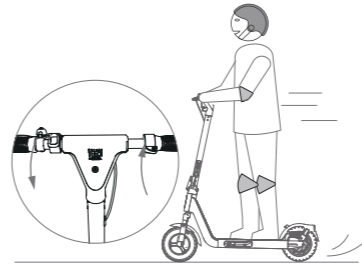
Please wear the helmet and protective gear during your riding to avoid risks of danger.



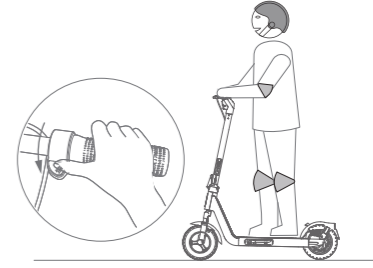
1. Power on the scooter and check the power level indicator.



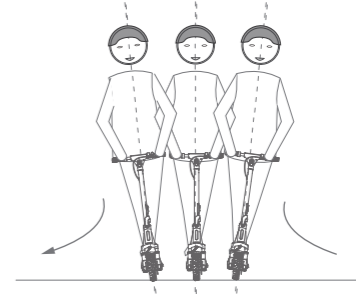
2. Stand on the footrest with one foot and push off with your other foot to start gliding.



4. Slow down by releasing the throttle, the energy recovery system automatically turns on to help decelerate, hold the brake lever in order to make a brake.



3. Put your other foot on the footrest to keep both feet stable. Press the throttle on right hand to speed up when you are balanced. Note, for your safety, the motor will not engage until the scooter reaches 5km/h.



5. To turn, shift your body weight and turn the handle slightly.

## 6 Folding and Unfolding

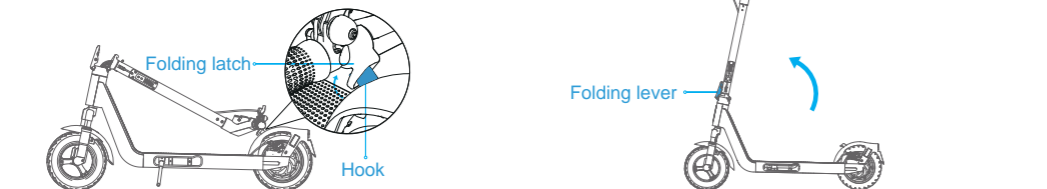
Tip: The following operations can be performed only after powering off.



### Folding

Hold the stem tube, press the safety buckle of the folding mechanism, and at the same time pull the folding lever outward.

Fold the stem tube, use the folding latch to secure the hook on the rear fender.

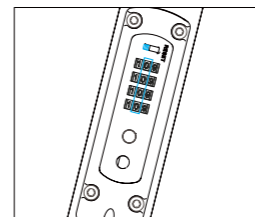


### Unfolding

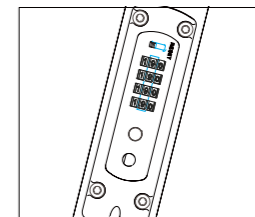
Free the folding latch from the hook on the rear fender.

Hold up the stem tube, lock the folding buckle tightly, and the safety buckle will automatically reset after locking.

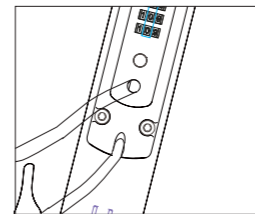
## 7 Chain lock Instruction



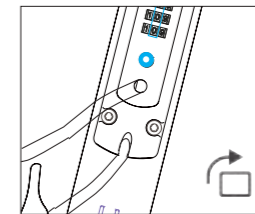
1. The initial password is 0000, and the middle column is the password area. Move the "Reset" button to the right to start setting a new password.



2. For example, the new password is "9999". After the setting is completed, move the "Reset" button to the left to complete the new password setting.



3. Move the correct password to the middle column, press the round button, and pull the rope out. Wrap the lock rope around the fixed object, and insert the lock, then finally disrupt the password.

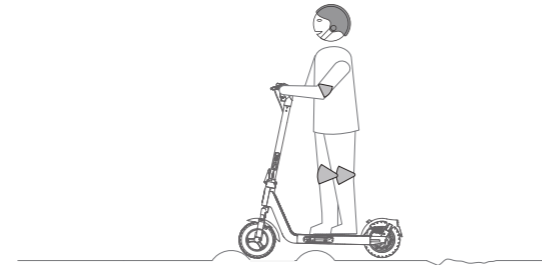


4. Move the correct password to the middle column, press the round button to unlock, and store the lock rope into the stem pole.

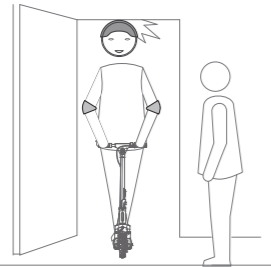
## 8 Avoid Potential Safety Hazards



⚠ Do not recommend using when raining or freezing.



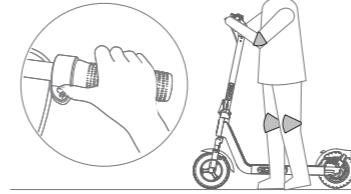
⚠ DO NOT ride over speed bumps, thresholds, or other bumps at HIGH SPEED. Please keep medium and low speed (5-10km/h) on rough roads. Bend your knees slightly to better adapt to the above complex roads.



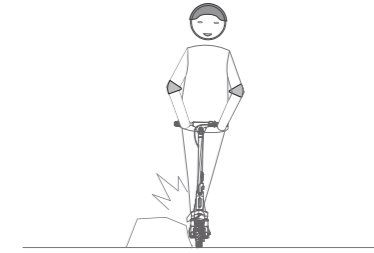
⚠ Watch your head when passing through doorways.



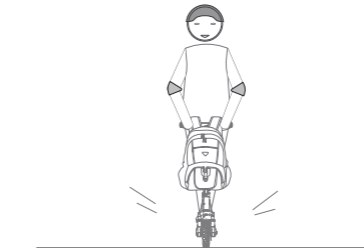
⚠ Watch your speed when traveling downhill.



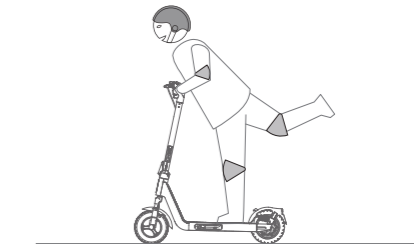
⚠ DO NOT press the throttle when walking with the scooter.



⚠ Avoid contacting obstacles with the tire/wheel.



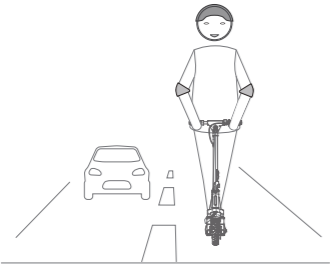
⚠ DO NOT carry heavy objects on the handlebar.



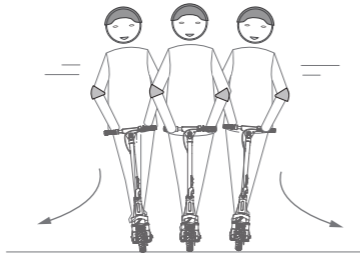
⚠ DO NOT ride the scooter with only one foot.



## 9 No Dangerous Actions



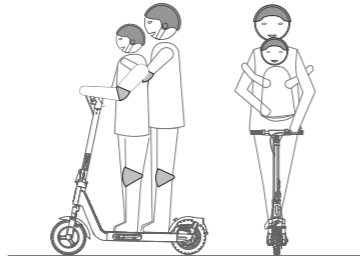
⊗ DO NOT ride on public roads, motorways, or highways.



⊗ DO NOT rotate the handle violently while driving at high speed.



⊗ DO NOT ride the scooter in the rain or on the road with water in excess of 2cm depth.



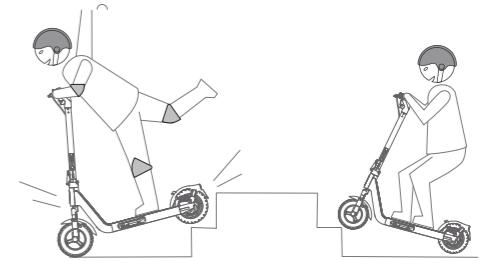
⊗ The scooter is for one rider only. Do not ride double or carry any passengers. Do not carry a child.



⊗ DO NOT trample the rear fender.



⊗ DO NOT take your hands off the handlebar while riding.



⊗ DO NOT ride up and down stairs or jump over obstacles.

## 10 Safety Instructions

Please understand that you can reduce the risks by following all the instructions and warnings in this manual, but you cannot eliminate all the risks.

Please always comply with the local laws and regulations when riding. For related laws and regulations, please consult the relevant local departments or contact our agents.

Note:

- ★ Always wear helmets, gloves, elbow pads, knee pads and other safety protective equipment when riding.
- ★ Check whether the power is sufficient and any abnormal noise or looseness before riding.
- ★ Ride on slippery roads is forbidden, especially on icy and snowy roads.
- ★ Recommend not to ride on up and down slopes exceeding 15°.
- ★ Ride on rainy days is forbidden.
- ★ Not recommended for children under 15 years of age to learn and ride.
- ★ Avoid sudden acceleration and deceleration, do not lean forward and lean backward too much; when the power is insufficient, please ride at a low speed and charge as soon as possible.
- ★ Focus on protecting personal safety when risk of falling and always adhere to the principle of "people are the first";
- ★ Do not put your hands in your pockets when riding to prevent unexpected situations.
- ★ Do not leave the scooter in the trunk of the car for a long time in high temperature weather.
- ★ Always comply with the local laws and regulations and keep a safe distance between you and other people or vehicles when riding.
- ★ Ride in a controlled condition at a speed that is safe for yourself and others around.
- ★ Do not frighten people in public space, especially children; warn people and reduce speed when passing behind them.
- ★ Keep an appropriate safety distance with other riders, avoid danger and obstacles, and do not ride side by side unless

there is enough space to pass through.

- ★ Do not ride in the dark place, if necessary, reduce the speed and stay alert.
- ★ Reverse riding is dangerous, try to avoid backward riding.

Active safety protection measures

Please read this manual carefully and understand and approve the contents.

- ★ Do not let others use your scooter unless they have read this manual carefully.
- ★ Please take good safety protection measures during driving. Whenever you ride, please wear an approved helmet with a hatband that can conform to the head shape and can protect the back of the head, and wear protective equipment such as gloves, eye protection equipment, elbow pads and knee pads.
- ★ Do not ride if you are not well or cannot follow the instructions or warnings in this manual; Do not ride under the influence of alcohol or drugs.
- ★ Please get off the scooter and charge it in time to ensure safety when the scooter power is low, the alarm is continued and the speed is limited.

Please speed up slowly. Sudden acceleration can easily cause the scooter to lose its balance and cause the rider to fall and get injured! This is a dangerous habit and is responsible for most accidental falls and off-balance injuries.

Sudden dangers may occur during the ride, so ride carefully at all times. The company shall not be responsible for any personal injuries caused by failure to follow the instructions in the manual.

When charging an electric scooter, please choose an official charger and charge it in a safe, open and ventilated location designated by the community. It is forbidden to charge in an enclosed environment such as humid environment or family living room and bedroom containing flammable and explosive materials.

## 11 Maintenance

If the surface of the scooter is stained, use a soft cloth dipped in a little water or detergent to wipe it, then clean it with the wet cloth.

Do not use alcohol, gasoline, kerosene, or other corrosive, volatile chemical solvents to clean, otherwise it will seriously damage the appearance and internal structure of the scooter. It is forbidden to spray and wash with a water torch. Ensure that the scooter is turned off during cleaning, and the charging cable has been unplugged and the rubber plug of the charging port is strictly tightened, otherwise it may cause electric shock or serious failure due to internal water ingress.

Place the scooter in a dry and cool place indoors, and avoid storing it outdoors for a long time. Exposure to the sun/over-heat/over-cold outdoors can accelerate the scooter appearance and tires of aging and reduce the life of the battery pack.

### Maintenance of scooter battery pack

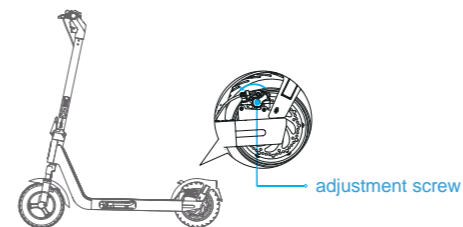
Do not put the battery pack in a high-temperature environment above 50°C or a low-temperature environment below -20°C (For example, do not put the scooter or its battery pack in a car exposed to summer exposure). It is forbidden to put the battery pack into a fire, otherwise it may cause the battery to fail, overheat, or even catch fire.

Avoid completely exhausting the battery before recharging, and try to use it as much as possible, which can greatly extend the life of the battery. In addition, the battery can play a higher cruising range when used at normal temperature; The battery life and performance will be reduced if it is used in an environment below 0°C. Typically, in the -20 °C environment, the cruising range may only be half or less than at room temperature. After the temperature rises, the battery range will be restored.

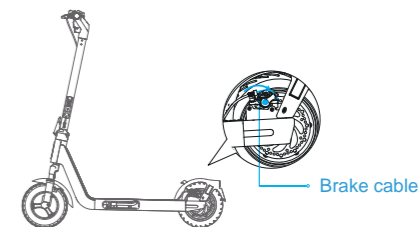
When the scooter is not used for a long time, it is recommended to charge the scooter battery every 0.5 to 1 month.

(Note: If the battery emits a strong smell or becomes hot, stop using the product immediately. Non-professionals are forbidden to disassemble the battery pack at will, otherwise it may cause serious safety accidents due to electric shock or short circuit!)

### Adjust Disc Brake

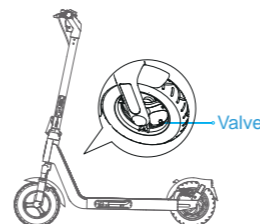


Brake is too tight: Use a 5mm Allen wrench to loosen the adjustment screw counterclockwise, return the brake cable, and then tighten the adjustment screw.

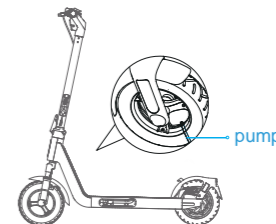


Brake is too loose: Use a 5mm Allen wrench to loosen the adjustment screw counterclockwise, pull the brake cable outward, and then tighten the adjustment screw.

### Refill the Tires



1. Unscrew the tire valve cap.



2. Connect a pump to inflate.

## 12 Specifications

	Item	Specifications
Basic Information	Model Name	Ace
	Folding Size (mm)	1130*516*570mm
	Unfolding Size (mm)	1130*516*1210mm
Weight	Max load (kg)	120kg
	Net Weight(kg)	18kg
Riders	Recommended Age	16-50
	Required Height (cm)	120-200
Machine parameters	Max speed(km/h)	25km/h
	Theoretical cruising (km)	45km
	Climbing Slope	20%
	Operating temperature	-10°C-40°C
	Waterproof level	IPX5
	Brake system	Rear disc brake& E-ABS
	Shock Absorber	Dual-arm front
Battery	Battery capacity	36V 12.5Ah
Motor	Rated power	350W
Charger	Rated Input Voltage (V)	100-240V
	Rated Output Voltage (V)	42V
	Rated current (A)	1.5A
	Charging time (h)	≈8h
Tire	Front and rear tires	Pneumatic
	Tire pressure	45-50psi

\* Theoretical cruising: When fully charged, a person weighs 75kg and drives on a flat road at a constant speed of 15km/h.

Note: The data and parameters may vary with different models. No additional notice will be made in terms of any variation.