

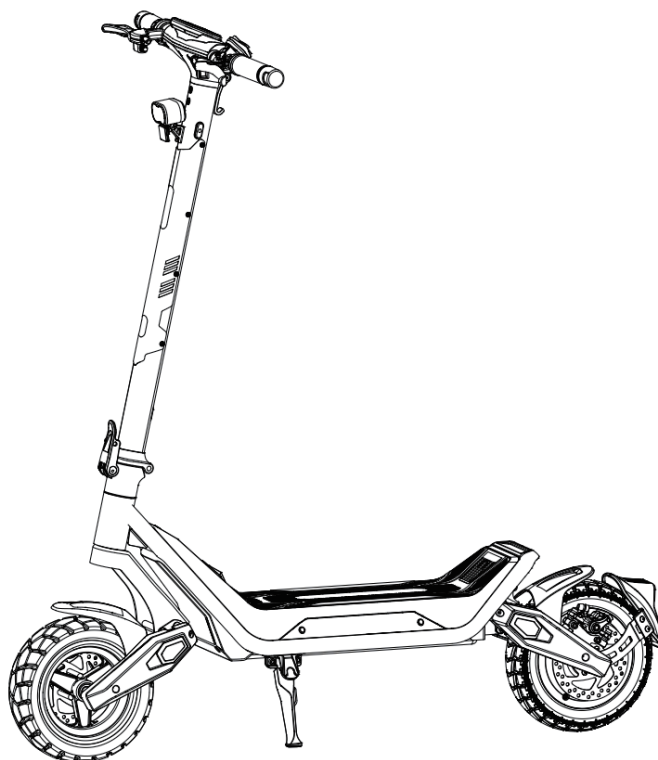
USER MANUAL



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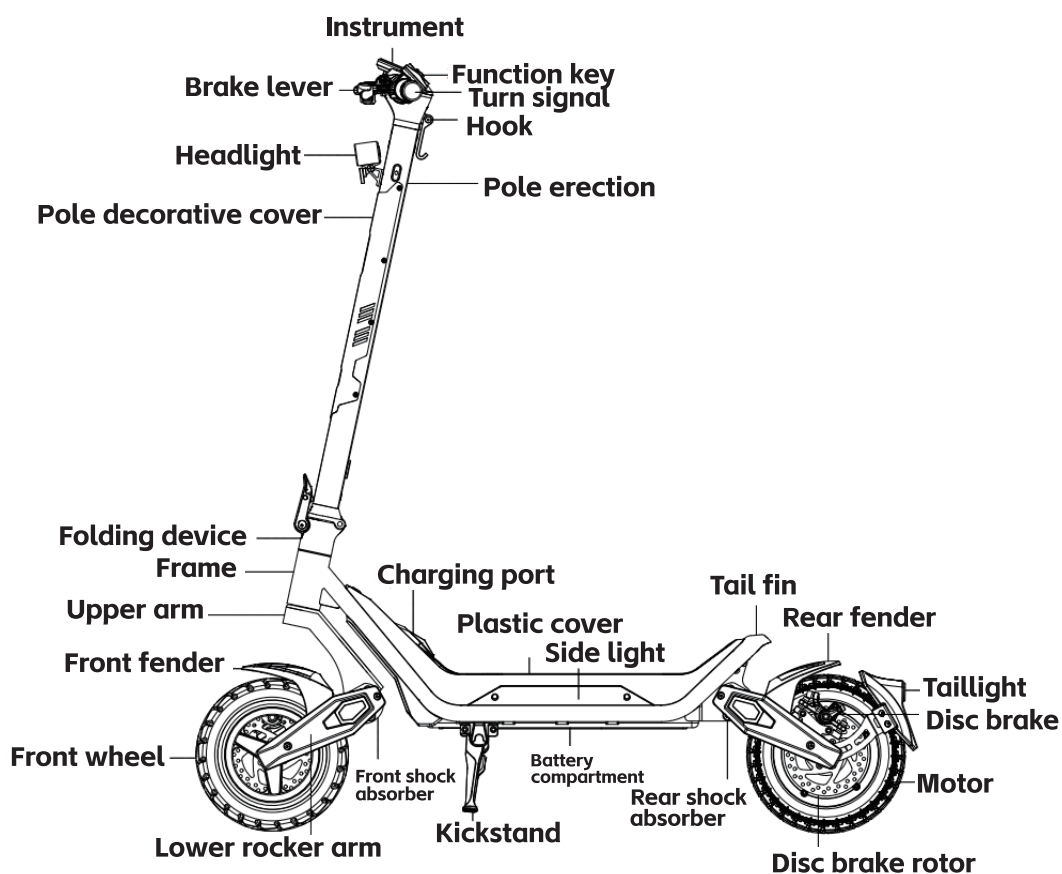
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* All pictures in this manual are for reference only, please refer to the actual product.

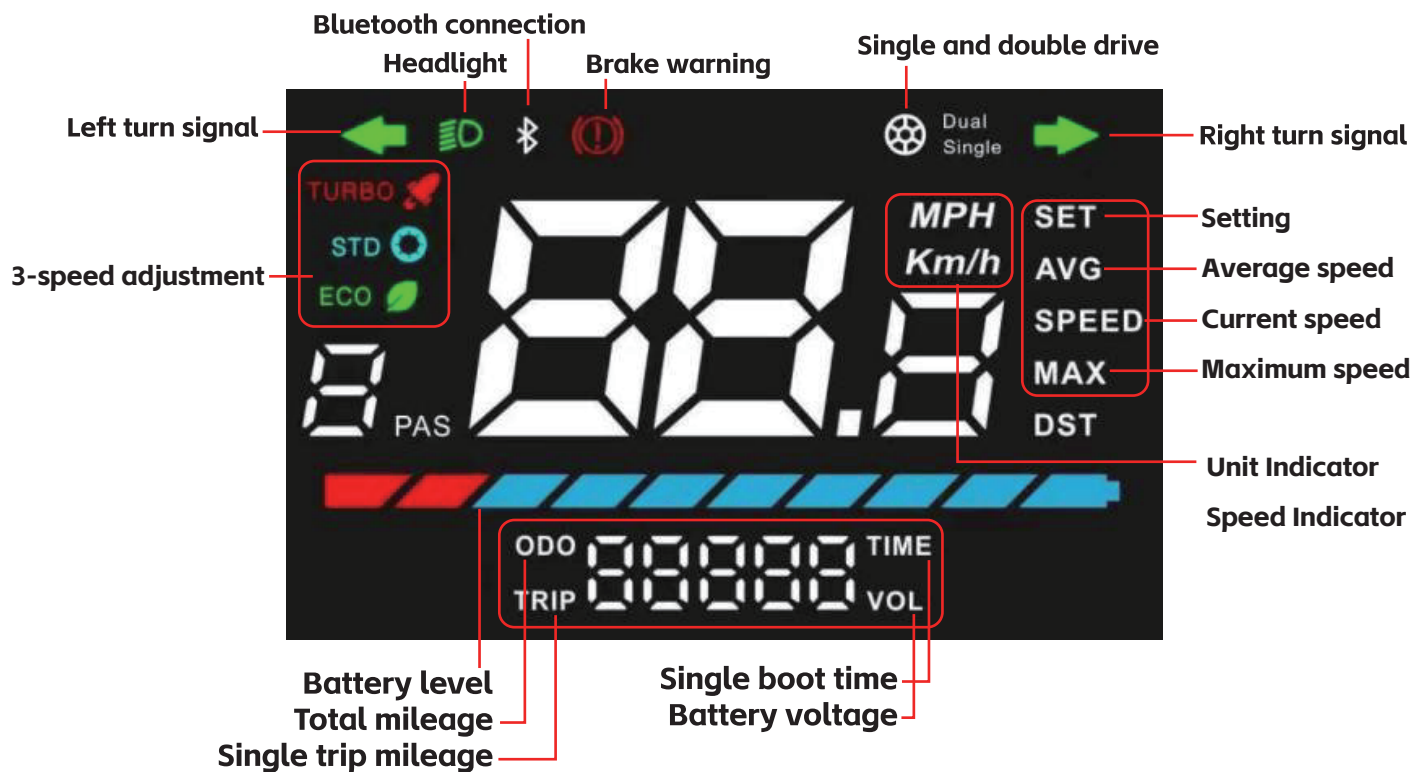


PRODUCT OVERVIEW

1. Product Diagram

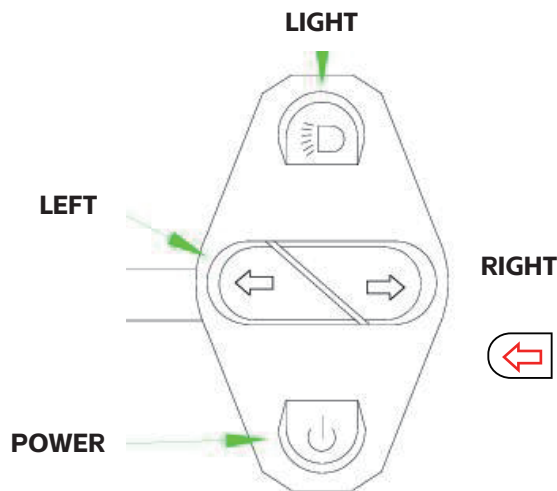


2.Introduction to Instrument Functions



- 1) Control and setting functions: power switch control, idle automatic sleep time setting, backlight brightness setting, startup mode setting, driving mode setting, controller current limit value setting;
- 2) Communication method: UART;
- 3) Bluetooth function: Close range Bluetooth connection to mobile app, enabling interaction with mobile phone, turning on and off headlights, checking vehicle faults, sliding on and off instrument panel, etc;
- 4) NFC function and password function: Supports NFC function, which can be entered or deleted locally, as well as added or deleted cards through the APP; Support setting passwords locally, and the password function will automatically turn on after binding the NFC card. The default password is "0000";
- 5) Speed limit release function: When the instrument is turned on, apply the brake and left turn signal for 10 seconds to release the speed limit; Default 6 10 15 32; Hide 6 15 30 45;

3.Button Function Instructions:



- When the instrument is turned off, press  and hold for 2 seconds to turn it on; When the instrument is turned on, press  and hold for 2 seconds to turn it off;
- The instrument is on the main interface, short press  to switch gears;
- The instrument is on the password interface, short press  to confirm the password;
- The instrument panel is on the main interface, short press  to switch cycling data items; Long press  to turn on the headlights; Press  and hold again to turn off the headlights;
- The instrument is in the menu interface, short press  to increase the value;
- In the password interface of the instrument, short press  to increase the value;
- The instrument panel is on the main interface. Short press  to turn on the left turn signal; Short press  again to turn off the left turn signal;
- In the P25/P26 menu, short press  to switch NFC cards on the instrument panel;
- The instrument is on the password interface, short press  to switch password positions;
- The instrument panel is on the main interface. Short press  to turn on the right turn signal; Short press  again to turn off the right turn signal;
- In the P25/P26 menu, short press  to switch NFC cards on the instrument panel;
- In the password interface of the instrument, short press  to switch password positions;
- Press   and hold for 2 seconds to switch between SPEED/AVG SPEED/MAX SPEED display;
- The instrument is on the main interface. Press   and hold the combination button for 2 seconds to enter the menu;

4. Introduction to Instrument Startup Methods

- 1) Power on without password, when the instrument is turned off, press and hold the  key for 2 seconds to enter the main interface;
- 2) There is a password for turning on the device. When the instrument is turned off, press and hold the  key for 2 seconds to enter the password interface; After entering the correct password, press the  key briefly to enter the main interface;
- 3) When the instrument is in sleep mode, use the APP to slide and unlock it. After successful unlocking, enter the main interface;
- 4) When the instrument is in sleep mode, place the NFC card above the instrument screen to enter the main interface;

5. Instrument menu description

Project	Cat description	Parameter	Default value
P01	Backlight brightness: Level 1 darkest Level 2 Medium Level 3 Brightest	Scope: 1-3;	2
P02	Mileage unit: 0: KM 1 : MILE	Scope: 0-1;	0
P04	Sleep time (minutes): 0, no sleep; Other numbers For sleep time	Scope: 0-60;	10
P09	Zero start, non-zero start settings: 0: Zero start 1: Non zero startup	Scope: 0-1;	0
P16	ODO reset setting	As the total mileage of the system changes	Press the+key on P16 for more than 5 seconds to clear ODO; Press the - key on P16 for more than 5 seconds Restore factory settings
P21	Bluetooth connection status query and disconnection 0: Bluetooth not bound before 1: Already bound to Bluetooth	Scope: 0-1;	Press and hold the "-" key for 2 seconds, Disconnect when the parameter becomes 0
P23	Password switch function 0: Turn off password 1: Open password	0/1	Short press the+/- keys to set
P24	Password modification function	Only 4-digit password can be set	Short press+/- to set
P25	NFC card adding function And1~And4 four cards "--" card slot no card There is a card in the "88" slot	"88"/"--"	Short press the+key to enter NFC card addition mode. Once the input is completed, the "--" will change to "88"
P26	NFC card deletion function And1~And4 four cards "--" card slot no card There is a card in the "88" slot	"88"/"--"	Short press the - key to delete NFC card. After deleting, "88" changes to "--"
P97	Display hardware version number	XXXXX	Not operable, only for display purposes
P98	Display Bluetooth PID value	XXXXX	Not operable, only for display purposes
P99	Display software version number	XX.X.X.X	Not operable, only for display purposes

5. Instrument menu description

1) Function Introduction

A) When flashing the NFC secondary card or entering the password to turn on the instrument panel, entering the menu, the P21 Bluetooth, P23 password modification, P25NFC card binding, and P26NFC card deletion interfaces all require entering the password to change;

B) When the NFC main card of the instrument brush is turned on, entering the settings option does not require password input (except for the P24 menu)

C) When flashing the NFC secondary card or entering the password to turn on the instrument panel, enter the menu. If the correct password has been entered on the P21 Bluetooth, P23 password modification, P25NFC card binding, or P26NFC card deletion interface, exit the menu. When entering the menu again, the password still needs to be entered in the above menu;

D) Enter the password interface, enter the password (default password 0000), switch the password input field by short pressing the  or  keys, select the desired number by short pressing the  key, and confirm the password by short pressing the  key when entering the fourth digit of the password;

E) The instrument panel displays the word "PSd" in the password interface, and the speed bar displays the word "PSd". The riding data bar defaults to displaying the word "0--". If the password is entered incorrectly, the word "E" will flash once at the gear position;

2) P23 password switch

A) After entering the main interface of the instrument, press and hold the  and  keys for 2 seconds to enter the menu. Press and hold the  keys continuously to adjust to item P23 (password switch menu)

B) The instrument enters the P23 menu, short press  to enter, jump to the password interface, and enter the password (default

Password 0000), after entering the password, press the  key briefly to confirm. The instrument panel will return to the P23 interface again, and press the  key briefly to turn on the password function. If you use the swipe card to enter the main interface, you can skip the password input stage;

(Note: When an NFC card is bound, the password function is enabled by default and cannot be modified)

3) P24 Password Modification

- A) After entering the main interface of the instrument, press and hold the  and  keys for 2 seconds to enter the menu. Press and hold the  keys continuously to adjust to item P24 (password modification menu)
- B) The instrument enters the P24 menu, short press the  key to jump to the password interface, and the speed bar displays '01 '. Enter the old password (default password 0000), short press the  key to confirm the password
- C) To change the password, you need to enter it twice. After entering the password for the first time, press the  key briefly for the second password input
- D) The old password displays "01" in the speed bar, while the new password displays "N1" or "N2". E) When the password is incorrect, the buzzer will beep for a long time. If the old password is entered three times, the error will return to the P24 interface
- F) Enter the same password twice, change the password and save it; If the password is entered twice but not the same, the buzzer will sound for a long time. After three errors, the user will return to the password modification interface without updating the password.

6. NFC Function Operation Instructions

1) Introduction to NFC Card Functions

- A) NFC card needs to be bound to the device before it can be used
- B) A device can bind up to 4 NFC cards. Includes one main card and three secondary cards. Display "1" as the primary card and "2"~"4" as secondary cards in the cycling data bar;
- C) The cycling data bar displays "--"/"88"
- C) The bound NFC card has the function of unlocking the instrument panel. The main card has advanced permissions, and after flashing the main card to enter the main interface, there is no need to enter a password in any menu (except for P24). Other secondary cards only have power on function
- D) If the mobile phone supports NFC card function, it can be bound with the device to achieve NFC unlocking function.

2) NFC card binding

- A) Set items to enter binding:

① The instrument panel enters the P25 menu, displaying the words "P25" in the speed bar, "--" in the riding data bar, and "1" in the gear bar. Short press the  key to jump to the password interface, enter the password (default password 0000),

and enter the NFC card binding interface; Short press the  or  keys to switch between 1-4, and short press the  key to enter the card adding state. Place the NFC card on the instrument panel, and after successfully entering the NFC card, the "88" character will be displayed in the cycling data column. The remaining "2-4" cards will be operated in the same way as above. Note: "1" is the main card position, and when repeatedly binding the same card, the instrument panel will flash the cycling data column three times to indicate repeated binding of the NFC card. For example, when "2" repeatedly binds an already entered NFC card, "--" will flash three times continuously with a frequency of 1Hz.

Quick binding of primary card to secondary card:

- ① The NFC card bound to the "1" area is considered the main card and has a quick access to the NFC card binding settings interface.
- ② When the instrument is in sleep mode, bring the NFC main card close to the device 8S, and the instrument interface will jump to the P25 card binding setting interface.
- ③ After entering the P25 interface, you can switch between "1-4" settings by short pressing the  or  keys. You can enter the NFC card status by short pressing the "RIGHT" key. Place the NFC card on the device and enter it normally. The cycling data bar will display "88". The remaining "2-4" cards should be operated in the same way as above.

3) Quick binding of APP cards

A. When the APP is bound to the mobile phone, after entering the APP, click on "More" in the quick operation bar on the APP homepage to enter the secondary interface.

B. Entering the secondary interface, you can view the code tables corresponding to main card 1, secondary card 1, secondary card 2, and secondary card 3 displaying "1, 2, 3, and 4". Click the operation button, and the instrument will automatically jump to the P25 card binding operation interface. Place the empty card near the device for binding, and the data bar will display "88", indicating successful card binding. At the same time, the APP operation button will light up. Note: When the button in the APP is grayed out, it means that the NFC card has not been entered. When the button is lit, it means that the NFC card has been entered.

4) NFC card deletion

A. Set menu to unbind:

Go to the settings menu on the instrument panel, select option P26, press the  key briefly to enter the password interface, enter the password (default password is 0000) to enter the delete card mode, and press the  key again to unbind the corresponding NFC card. Short press the  or  keys to select NFC cards, and all cards can be unbound

B. NFC main card entering unbinding:

The instrument is in sleep mode, use the NFC main card to approach the instrument screen and hold it for 10 seconds. (At 8S, it will first enter the P25 option, keep the NFC card close for 2 seconds, and then jump directly to the P26 interface.) Enter the unbind NFC card interface, and short press the  key to unbind the NFC card.

Note: Short press the  or  keys to select NFC cards, and all cards can be unbound

C. Unbind the app:

When the APP is bound to the mobile phone, after entering the APP, click on "More" in the quick operation bar on the APP homepage to enter the secondary interface, where you can view the "1, 2, 3, 4" displayed in the code table corresponding to the main card 1, sub card 1, sub card 2, and sub card 3. Click the operation button, and the gray button indicates that the unbinding is complete.

7. Instrument fault codes

Instrument code	State significance	Solution
E02/F02	Steering failure	Replace the handle/return to the factory for processing
E03	Communication failure	Replace the instrument/return to the factory for processing
E04	Overcurrent protection	Return to factory for processing
E05	Undervoltage protection	battery charging
E06	Overvoltage protection	Return to factory for processing
E07	Hall fault	Return to factory for processing
E08	Over-temperature protection	Return to factory for processing

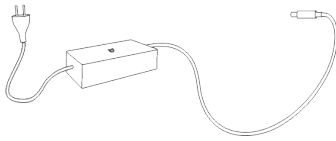
8. Product Configuration Sheet

Product	Name	Electric Scooter	
	Model	J18	
Dimensions	Scooter: L × W × H	120×61×127.7 cm	
	After Folding: L × W × H	120×61×57.2 cm	
Weight	Net Weight	27.5 kg	
	Gross Weight	32 kg	
Riding	Maximum Load	120 kg	
	Applicable Age	16+	
Assembled Electric Scooter	Max Speed	50 km/h	
	General Range	General Range: 40km - Tested with Load 75 kg (Range is affected by load, temperature, road conditions, riding mode, riding style and other factors.)	
	Max. Climbing Angle	≤15°	
	Ip Rating	IPX5	
	Charging Time	7-10 h	
Battery Pack	Rated Voltage	48 V	
	Max. Input Voltage	54.6 V	
Battery Pack	Rated Capacity	18Ah	
	Intelligent Battery Management System	Unusual temperature/short circuit/under voltage/ overcurrent/dual over-charge/ dual overdischarge protections	
Wheel Motor	Motor Power	1200W	
Charging Adapter	Input Voltage	100–240 V	
	Output Voltage	54.6 V	
	Output Current	2 A	
Tire	Vacuum Tyres	10 inch	

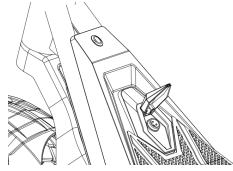
[1] Vehicle height: from the ground to the top of the scooter.

[2] General range: measured when there is no wind and at 25°C, the scooter's fully charged to ride at a constant speed of 15 km/h on a flat surface with a load of 70 kg.

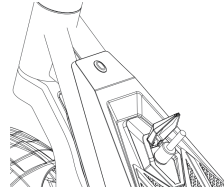
CHARGE YOUR SCOOTER



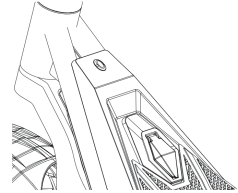
Charging step



Open the charge port cover.



Insert the charge plug.



Close the charge port cover when finished.

WARNING

Do not charge if the charge port or charge cable is wet.

Do not charge or use your battery if it is damaged or see trace of water. Close the charge port cover when not charging.

Please connect the DC charging port first, then connect to the socket power supply for charging, finally unplug the outlet when charging is complete.

Your S25 is fully charged when the LED on the charger changes from red (charging) to green.

CHARGING SAFETY TIPS

- Charge at least 12 hours before the first operation.
- In order to maximize the battery life, please charge it once a month or after two days of recycling. Please charge at an proper temperature.
- Failure to charge in time may cause damage to the battery. As time goes by, the battery will be completely exhausted, which is not good for the battery.
- Please use the battery, charger and cable provided by the original manufacturer, and prevent the battery from overcharging.
- Please ensure that the charger cable is correctly connected in a ventilated environment.
- Please make sure to use it in a dry environment. Do not let the charger or cable come into contact with water, as it may cause electric shock. Do not touch with wet hands. If any malfunction occurs during charging, please unplug the power plug immediately.
- Make sure to pull out the plug, do not pull out the plug from the cable.
- Do not let the charger or cable come into contact with sharp or high-temperature objects. Regularly inspect the charger and the inner cavity of the charger.
- If the charger cable is obviously damaged. Do not use the charger to avoid further damage, please contact for replacement.
- Please do not repair the battery, charger or cable alone. If you have any questions, please contact us.

PRECAUTIONS

WARNING:

Selecting unapproved components or installing components in the wrong way will damage the electric scooter and even cause personal injury, to ensure quality and safety. All components are subject to our approval and proper installation. Please do not attempt to ride an electric scooter that is not properly installed. Do not disassemble and modify the electric scooter without permission, otherwise the electric scooter may not be restored.

SAFETY INSTRUCTIONS

NOTE: If you do not understand the operating specifications and riding style, then this electric scooter is a technical product, not a walking technology, which will lead to unpredictable risks. For new students, especially users who use electric scooters for the first

time. We will introduce in detail how to ride an electric scooter correctly, and list the precautions when riding, please make sure you read it carefully and ride the electric scooter as required.

PRECAUTIONS FOR RIDING

If you do not follow the instructions during riding, this will affect the performance of the product. Therefore, before riding the scooter, you must check the following:

- Check whether the parts of the scooter are installed stably and not damaged. Check whether the brake is in ideal condition.
- Check whether the folding mechanism is locked. Check whether the battery is sufficient.
- Check whether the tires are in good condition.
- Check whether the handle of the scooter is loose, please tighten it.
- You need to find a larger open space for riding practice, at least 4m * 20m inside or outside the room.
- You need to be familiar with the surrounding environment. Make sure you are not disturbed by cars, pedestrians, pets, bicycles and other obstacles.
- You need a skilled assistant next to you. The assistant needs to be able to operate the electric scooter and understand all the precautions and riding methods in this manual.
- Please do not try on smooth ground.
- Please be sure to wear a safety helmet and protective equipment to avoid damage.
- Moisture will cause brake performance. After cleaning the electric bicycle, please dry the brake in a safe place.
- Avoid using this product in bad weather (such as snow, rain or ice).
- When using this product in any environment, please check whether the brake is normal.

SAFETY INSTRUCTIONS

This electric scooter is a personal travel tool with a certain speed. Its technology and production have been strictly tested. However, if you do not follow the usage warnings specified in this manual to ride the bicycle, it may be dangerous to ride. Anytime and anywhere, due to falling, loss of control, collision (including failure to comply with the riding requirements of this manual), it may cause injury or even death. In order to reduce risks and avoid damage, you must read this manual carefully, watch related safety videos, and pay

attention to the following points:

- Wear helmets and protective equipment when riding.
- Do not ride on a slope with a slope of more than 10 degrees, and do not accelerate or decelerate suddenly on the slope. Pay attention to obstacles and slippery roads; do not ride on grass or gravel roads.
- Do not ride in water deeper than 30mm. It is forbidden to go up and down stairs.
- Driving on the road is prohibited.
- It is forbidden to immerse the vehicle in water.
- The scooter is a single-person scooter, and it is forbidden to ride this scooter together.
- Anyone under the age of 16 or over 55 needs help while riding. Before riding, make sure that the power is sufficient and the tires are normal.
- Don't try to go fast until you are familiar with riding. Please speed up slowly.
- The special nature of lithium batteries requires users to charge the bicycle at least once a month. If the battery is damaged and cannot be maintained regularly, the company's warranty is out of scope.
- Electric scooters are only used for daily travel. Do not use it for extreme sports and similar dangerous riding.

STORAGE

- Avoid storing electric scooters in direct sunlight (even if stored in the trunk of the car). After a period of time, the temperature of the bicycle body and battery will reach 50 degrees or more, and the function and lithium battery life will be damaged.
- Avoid storing electric scooters in a humid environment.
- When the electric scooter is not in use, the battery will automatically lose power. You should test the battery level at least once a month and charge it in time to ensure that the battery is fully charged. Avoid leaving the battery empty for a long time, otherwise it may cause irreparable damage (such as excessive battery depth).
- In winter, the battery may lose power faster due to the low temperature.

- Improper storage will shorten the life of the lithium battery or cause other hidden dangers. Please store the electric bicycle indoors and make sure it is dry and the temperature and humidity are suitable.

CLEANING

Before cleaning, make sure the bicycle is turned off, unplug the charging cable and close the charging port. During the cleaning process, please be careful not to pour water into the water inlet.

The waterproof and dust-proof grade is IP54, with splash and dust-proof functions. Therefore, it is forbidden to immerse the electric bicycle in water, which will cause permanent damage to the scooter.

PROCESSING

Batteries and power equipment cannot be thrown away as ordinary household waste. You have made a significant contribution to the environment by riding an electric scooter to avoid unnecessary pollution.

Please dispose of your electric scooter and all related parts (battery) through an authorized disposal facility.

Please follow the latest guidelines. If you have any questions, please consult the dealer or contact the after-sales department.

INFLATE AND REPLACE THE INNER TUBE

When the tire pressure is low or the pressures of the two tires are different, please inflate in time. Make sure that the pressure of the two tires is the same. The default front tire pressure is 2.8 Bar, and the rear tire pressure is 2.5 Bar.

If the tire needs to be replaced due to a broken tire, please contact an authorized agent or after-sales department for maintenance.

(You can also go to the electric scooter shop to repair).

CONTACT INFORMATION

If you have any questions or requests during the ride, please feel free to contact us. We will try our best to help you.