

# ELECTRIC SCOOTER USER MANUAL

MODEL NO: ESX11



Thank you for your  
choice, please read  
this manual before  
using this product.



V2024.0.1

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# PACKAGE CONTENTS

Assembled electric scooter

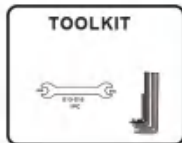


Accessories:

Charging adapter



Toolkit



User Manual



# PRODUCT OVERVIEW



**NOTE:** There will be slight differences between different models

# 1. Power Switch



**NOTE:** There will be slight differences between different models

Press the accelerator lightly to speed up the electric scooter.

## 2. Brief Introduction of Key Functions

**Start the machine** Press and hold the power button to start the machine, and you need to enter a 3-digit password (the default password is 000): press the + key to add 1 to the number, press the - key to subtract 1 from the number, click the power button to confirm and jump to the next digit; Finally, double-click the power button to confirm

**Password setting** If the customer wants to reset the password, he needs to press and hold the power button and the "+" button for 5 seconds at the same time in power-on state , and the buzzer will sound once. First, he needs to enter the original password. See 1 for the input method; confirmed After the original password, the number at the gear position will display 1, which means entering a new password for the first time. After entering a 3-digit new password, press the power button, and the gear number will become 2, indicating that a new password needs to be input for the second time. Note 2 The second password must be the same, otherwise the setting cannot be successful; after the system verifies that the new password is the same twice, it will automatically save and exit;

## Parameter setting instructions

- 1) P01: Set display brightness, 1-3 levels, 1 is the darkest, 3 is the brightest; the default is 3;
- 2) P02: Set the speed unit, you can choose km/h and miles; the default is km/h;
- 3) P03: Set the voltage value, you can choose 36V, 48V, 52V, 60V; the default is 48V;
- 4) P04: Set the automatic shutdown time, 0-30 minutes; 0 means no shutdown, other timing shutdown time unit is minutes;
- 5) P05: No effect;
- 6) P06: Set the wheel diameter value, the settable range is 5-50 inches, the step value is 0.5 inches; the default is 10 inches;
- 7) P07: Set the number of motor magnetic poles, the default is 30; note that changing this parameter will affect the displayed speed value, please set it under the guidance of professionals;
- 8) P08: Set the speed ratio, 00 is full speed, other values are the percentage value of full speed ; the default is 00, which means 100%;
- 9) P09: Set zero start and non-zero start, 0 is zero start, 1 is non-zero start; the default is 0, zero start;
- 10) P10: No effect
- 11) P11: Set EABS intensity: 0-5, 0 has no EABS, 1 is the weakest, 5 is the strongest;
- 12) P12: Set the activation strength: 1-5, 1 is the weakest, 5 is the strongest;
- 13) P13, P14: No effect
- 14) P15: Undervoltage setting, the undervoltage value of the controller can be set
- 15) P16: The total mileage is cleared,
- 16) P17: Set the cruise switch: 1 is to open the constant speed cruise function, 0 is to close; the cruise start time is 6-8 seconds;
- 17) P18, P19, P20, no effect;

### 3.Icon Display Introduction





# CHARGE YOUR SCOOTER

Charging condition description:

The scooter is fully charged when the LED on the charger changes from red to green



Not Fully Charged

Fully Charged



Lift up the rubber flap



Plug the charging adapter into the charging port



When charging is completed, put back the rubber flap

# HOW TO RIDE



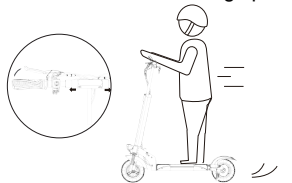
Warning: Wear a helmet, elbow pads and knee pads. Please read the instruction carefully before using. Do not touch the brake system. Refer to the instruction for more information.



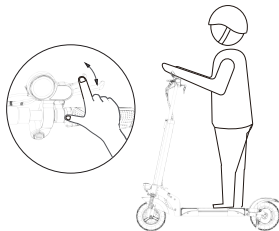
1. Turn on the scooter, and check the power indicator.



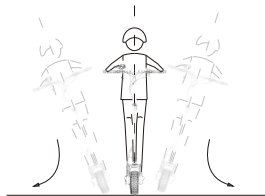
2. Step on the deck with one foot, and slowly kicks off the other on the ground. When the scooter starts to coast, put both feet on the deck and press the accelerator (the accelerator initiates once the coasting speed exceeds 5km/h).



4. Release the accelerator and the kinetic energy recovery system initiates automatically to brake slowly; And squeeze the brake lever for a sudden brake.



3. When the scooter is at a full stop, the accelerator automatically turns off. To restart the scooter, it is necessary to repeat step 2.



5. Tilt your body to the steering direction as you turn, and slowly turn the handlebar.

# FOLDING AND CARRYING



The scooter needs to be turned off before folding. Pull out the lock, then grab the pole and pull down to fold.

# SPECIFICATIONS & WARRANTY

Product Name:	X11
Package Dimension:	Outer box: 135*23*70cm
Weight:	Net weight: 28KG, Gross weight:32KG
Motor:	48V, Rated power: 650W, Peak power: 800W
Battery Capacity:	48V 10Ah/13Ah/15Ah
Standard Voltage	48V
Motor Type:	Strong Brushless Motor
Maximum Load:	120KG (260lbs)(The higher the weight, the lower the speed and mileage)
Recommended weight:	45KG-100KG (100-220lbs)
Charging Time:	5-8H
Brake Type:	Front and rear disc brakes + brake lever power off
Maximum Speed:	50KM/H . This data is based on a full charge and no load, and the speed will decrease as the battery power decreases or the load increases.

Reference cruising range:	30KM-50KM (The actual mileage is affected by factors such as load, temperature, speed, road conditions, etc.)
Headlights:	High convex mirror headlights with waterproof head
Tires:	10inch air tyre tubeless
Front shock:	Spring shock
Rear shock:	Invisible shock
Frame:	Aluminum alloy
Turn Signals:	Rear dual turn signals
Switch:	high-end three-function with turn signal, headlight, horn switch

Storage Temperature:	1 month: -20 - 60 ℃ (-4~140°F) 3 months:-20 - 45 ℃ (-4~113°F) 1 year: -20 - 20 ℃ (-4~68°F)
Battery	Lithium-ion battery
Working Temperature	-10 ~ 40 ℃ (14~104°F)
Charging Temperature	10 ~ 40 ℃ (50~104°F)
Relative Humidity of Storage	5% ~ 95%

**NOTE:** data and specifications may vary due to different models, and are subject to change without notice.

We provide warranty service and lifetime after-sales consulting service for our electric scooters. Please contact our Customer Service Team to help if you have any problems, we'll reply you at the earliest and provide satisfied solutions for you as soon as possible.

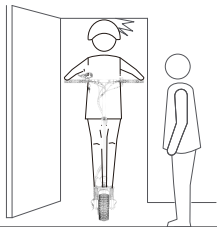
# SAFETY INSTRUCTIONS



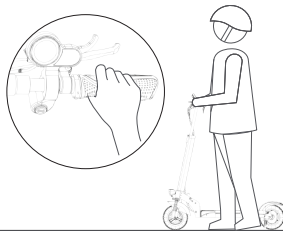
Do not ride in the rain



Do not accelerate when you go downhill



Look out for doors, elevators and other overhead obstacles



Do not press the accelerator when you're walking alongside the scooter

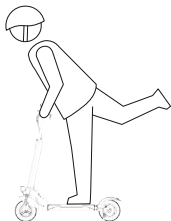




Always steer clear of obstacles



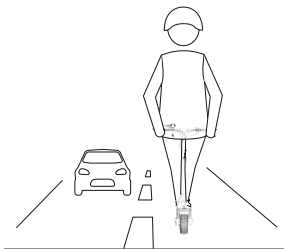
Do not hang bags or other heavy stuff on the handlebar



Keep both feet on the deck all time



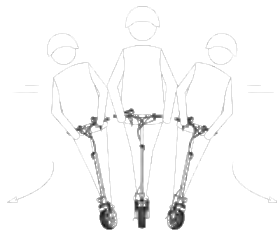
Keep your speed between 5–10 km/h when you ride through speed bumps, elevator door stills, bumpy roads or other uneven surfaces. Slightly bend your knee to better adjust mentioned surfaces



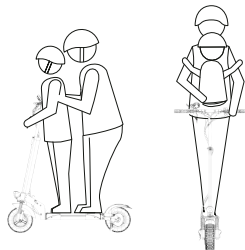
Do not ride in traffic lanes or residential areas where vehicles and Pedestrians are both allowed



Do not ride through puddles or any other (water) obstacle. In such a case please lower your speed and bypass the obstacle.



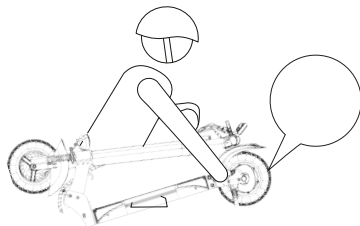
Do not turn the handlebar violently during high-speed riding



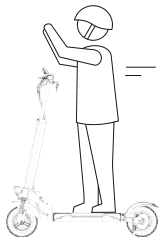
Do not ride with anyone else, including children



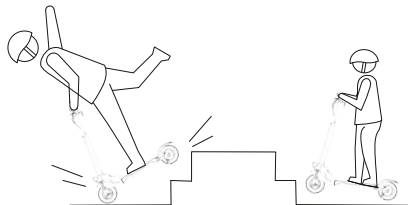
Do not keep your feet on the rear mudguard



Do not touch the disc brake



Do not keep your hands away from handlebar



Do not try riding up or down stairs, and jumping over obstacles

# **SAFETY REMINDER!**

1. The scooter is intended for riders older than 16 years. Do not ride the scooter if you suffer from reduced physical, sensorial or mental capabilities. Riders with a lack of experience or knowledge should drive carefully.
2. This electric scooter is a leisure device. But once they're in a public area, they'll be seen as vehicles, subjecting to any risks faced by vehicles. For your safety, please follow instructions in the manual and traffic laws and regulations set forth by government and regulatory agencies.
3. At the same time, you should understand that risks cannot be entirely avoided as others may violate traffic regulations and drive incautiously, The faster the scooter is, the longer it takes to stop. On a smooth surface, the scooter may slip, lose balance, and even result in a fall. Thus it is crucial that you use caution, keep proper speed and distance, especially so when you're unfamiliar with the place.

4. Riding with high speed or a speed that is not appropriate or adequate for the situation (bad weather conditions, bad surface conditions, or the like) may lead into a potential loss of stability or loss of control. To reduce any risk, you must follow all instructions in this user manual. Be careful when folding and unfolding the product, it may fall and cause injury.

5. Check the scooter before every use. When you note loosen parts, low battery alerts, flat tires, excessive wear, strange sounds, malfunctions and other abnormal conditions, stop riding immediately and call for professional support.

6. When riding a scooter, you need to hold the handle with both hands to avoid shaking and falling down.

7. Always place the scooter on its stand on a flat and stable surface. The scooter must be placed with the stand against the slope to prevent it from tipping over. Never place the scooter with the front facing down the slope, as the stand may close and tip the machine.

# DAILY CARE AND MAINTENANCE

## **Cleaning and storage**

If you see stains on the scooter's body, wipe them off with a damp cloth. If the stains won't scrub off, put on some toothpaste, and brush them with a toothbrush, then wipe them off with a damp cloth. If you see scratches on plastic parts, use sandpaper or other abrasive materials to polish them.

## **Notes:**

Do not clean the scooter with alcohol, gasoline, kerosene or other corrosive and volatile chemical solvents to prevent dire damage.

Do not wash the scooter with a high-pressure water spray.

During cleaning, make sure that the scooter's turned off, the charging cable is unplugged, and the rubber flap is closed as water leakage may result in electric shock or other major problems.

When the scooter's not in use, keep it indoors where it is dry and cool. Do not put it outdoors for long time. Excessive sunlight, overheating and overcooling accelerate tire aging and compromise the scooter and the battery pack's lifespan.

**Maintenance:**

Always charge before exhausting the battery to prolong the battery's lifespan. The battery pack performs better at normal temperature, and poor when it is below 0°C. For instance, when it is below -20°C, the riding range is only half or less at normal state. When the temperature rises, the riding range restores.

Scooter shall be only be used with original batteries and charging of the Scooter shall only be done by the original charging adapter supplied with the Scooter (or any battery model or charging adapter model approved by the manufacturer as compatible).

Do not place the battery in an environment where the ambient temperature is higher than 50°C or lower than -20°C (e.g., do not leave the scooter or the battery pack in a car under direct sunlight for an extended time).

If the scooter is expected to be left idle for more than 30 days, please fully charge the battery and place it in a dry and cool place. Keep in mind to recharge it every 60 days to protect the battery from potential damage which is beyond limited warranty.



## **Batteries/Rechargeable Batteries**

In accordance with the battery regulation you are legally obliged as an end user to return all used batteries. Disposal in the regular household waste is forbidden by law.

On the most batteries you will find the symbol which remember you about this regulation. Beside this symbol there is usually information about the contained heavy metal. Such heavy metals require an environment friendly disposal. As an end user you are legally obliged to submit used batteries at the appropriate collection point of your city or commercially.

If you have doubts contact your local authorities for information about a correct and environment friendly disposal option.



## **Recycling Loop**

Packaging material can be conveyed back to the raw material cycle. Dispose of packaging material in accordance with legal provisions. Information can be retrieved from the return or collections systems of your community.



Maintenance contact information:

Thank you for choosing us. We provide warranty and lifetime after-sales support for our products.

If you have any questions, please contact our after-sales support team. We will provide you with technical support and suitable solutions as soon as possible.