



ELECTRIC SCOOTER MANUAL

Thank you for purchasing Laotie Electric Scooter, we will
provide you with better products and better service

SUITABLE FOR: ES18



Schematic Diagram Of Electric Scooter

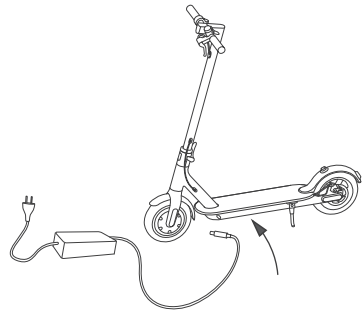
FOLDING PROCESS:

1. Press the button on the rod to lower the handle first.
2. Pull out the outer ring and folding the handle.
- 3~4. Press the Folding button under the seat. Release the folding lock on the pedal, then folding the seat.(optional)
- 5~6. Pull out the folding lock first. And then Press white button as the picture shows. Set down the rod when the button locked again.



Notice: Because Of The Product Upgrade, There May Be Some Difference Between The Product Actually Get And The Instruction Manual. Not Affecting The Normal Usage

CHARGE YOUR SCTOOTER



Li Up The Rubber Flap



Plug The Power Adapter Into The Charging Port

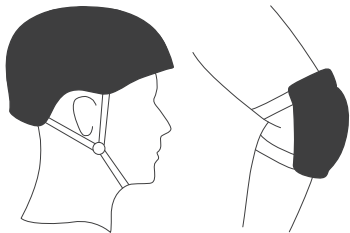


When Charging Is Completed, Put Back The Rubber Flap

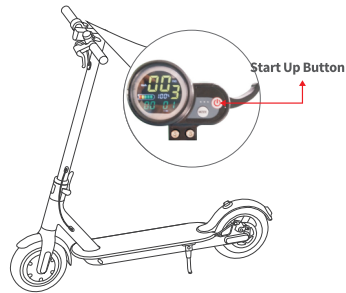


FOR YOUR PERSONAL AND PROPERTY SAFETY, DO NOT CHARGE INDOORS OR IN AN UNGUARDED PLACE

Preparation Before Riding A Scooter



1. When you learn to ride a scooter, wear a helmet and knee pads to prevent falls and injuries
2. Carefully check the braking performance of the scooter, and check whether the folded part of the scooter is fastened.



Long press the red button on the instrument, the instrument panel will light up, and the boot is successful at this time,

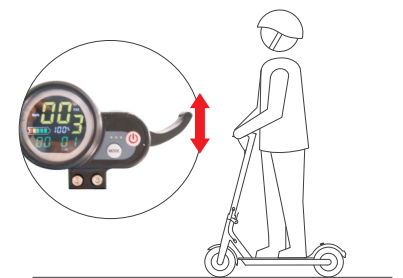
PS: If you have a key vehicle, open it with the key, and then perform the above steps.

HOW TO RIDE



Step on the deck with one foot, and slowly kicks off the other on the ground.

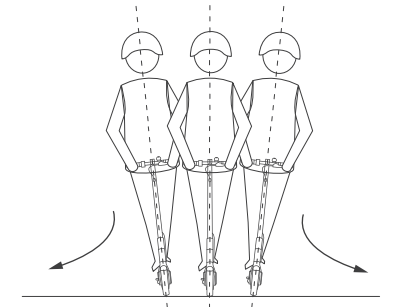
If you bought a seat version, sit on the seat first. Speed up slowly



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)



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

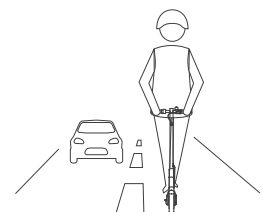


1. Tilt your body in the direction of turning, then slowly turn the handlebar
2. Beginners suggest to control the speed at 20km / h

SAFETY INSTRUCTIONS



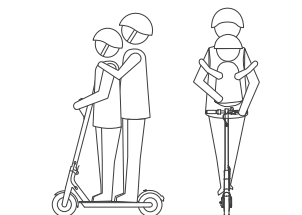
⚠ It is not recommended to drive in the rain. During the driving, the puddle cannot exceed the position of the battery compartment.



⚠ It is strictly forbidden to drive in motor vehicle lanes. Do not drive at high speed. It is recommended that the speed be below 20km / h, otherwise our company will not bear any responsibility.



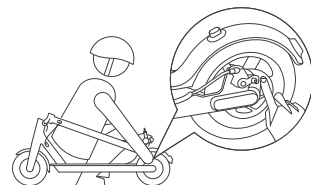
⚠ Please control the speed reasonably, and it is forbidden to press the acceleration button when going downhill.



⚠ Do not ride with anyone else, including children



⚠ During driving, do not extend your hand away from the handlebar



⚠ Do not touch the disc brake and the motor, be careful of burns

INSTRUMENT OPERATION GUIDE



1、Button

There are two buttons on the display.  is the power button and  is the mode button

2、Manual

Press the power button  for three seconds to turn it on.  means battery volume. Speed, running status on the top. Range and so on is displayed upon the mode setting. It will auto power off after three minutes when you leave it alone.

When CH 2:00 appears on the display means there will be power off in two hours.

Press the  mode button, switch the display contents. There are TIME, TRIP, ODO, DST, VOL, CH 2:00 and so on. TIME means time. Trip means distance of this trip. ODO means Odometer. DST means the rest range. (according to the battery status). VOL means battery voltage. CH 2:00 means it will power off in two hours.(some of model do not have this function)

Press the  mode button for three second to erase the TRIP number under the TRIP.

Press the  power button to initiate modify the numbers. Press the  mode button after the numbers is flashing.

Press the single  mode button to modify speed mode. 1 is slow, 2 is middle speed, 3 is high speed.

Press the  power button for three seconds to turn it off.

3、Setting

Press the  mode and  power together to access the setting, page.

1. Firstly appears P0, press  mode switch next to P1, P2, P3, P4, P5, P6, P7; Meanings: P0 tyre size; P1 undervoltage setting; P2 number of pole pairs; P3 tachometer signal options; P4 kilometer/mile setting; P5 Zero starting and non-zero starting mode; P6 cruise setting; P7 launch power setting

P0, press  power button, the standard tyre diameter appears. Press  mode button to increase, press  power button to decrease. It will auto quit after few second without any data changes.

P1, press  power button, the undervoltage value appears. For example, 315 means battery undervoltage is 31.5V. Press  mode to increase 0.5 each, press  power button to decrease 0.5 each.

P2, press  power button, the motor pole pairs number appears. Press to increase 1 point each, press  to decrease 1 point each.

P3, press  power button, There is the number 0 and 1. 0 is the standard setting which means speed data from HALL signal cable. 1 means, external signal.

P4, press  power button. There is the number 0 and 1. 1 means mile. 0 means kilometer.

P5, press  power button. There is the number 0 and 1. 0 means zero starting, 1 means non-zero starting.

P6, press  power button. There is the number 0 and 1. 0 means no cruise. 1 means cruise available.

P7, press  power button. There is the number 0 and 1. 0 means soft launch, 1 means hard launch(high power)

5、Error

There are few icon shows the error of electric scooter. Brake errors  , motor errors  , rolling error  , controller errors .



DK-218 (THIS BUTTON ONLY BELONG TO DUAL DRIVE SCOOTER)

Red button is dual drive switch (can exchange single drive and dual drive)

Yellow button is high-speed and low-speed (can adjust or limit the speed)

BASIC OPERATION

Power On/Off

Long press power button  for 3 seconds, instrument will be light, which means power on. Power will be automatically off without any operation for ten minutes. Press accelerator, user can control the speed between 1~25km/h.

Power Display

The number of grids shows the remaining battery power.

Attention: while power shows 0 grid, scooter must be charged immediately. Do not let grid disappear totally, which is easy to damage the battery. It is suggested to charge if there is only one grid power.

Riding Operation

1. Choose a wide and flat place.
2. Unfold the scooter.
3. Adjust the height of T-bar
4. Ensure all safety clamp closed tightly.
- 5 Press power button.
- 6 One is on scooter, and the other is on the ground.
- 7 The scooter will begin to move by triggering speed switch. Put two feet on pedal at the same time. The bigger the angle of speed switch, the faster scooter moves.

Stop Scooter

Grip the brakes, power for motor will be cut down immediately and scooter will be slowed down. Then put one foot on the ground.

GENERAL QUESTIONS

Scooter Cannot Be Power On

1. Check whether battery gets power or not.
2. Open the foot pedal and check whether the battery fuse is not inserted or has been burnt out.
3. Open the pedal to check whether the connector between main line of accelerator and controller is plugged in or not.
4. Open pedal to check whether the connector between battery and controller is plugged in or not.

Battery Cannot Be Charged

1. Connect the charger to scooter and charging socket to check whether the indicator light will be on or not.
2. Open the foot pedal and check whether the battery fuse is not inserted or has been burnt out.

Scooter Cannot Accelerate.

1. Confirm whether the brake lever is rebounded to original position or not.
2. Open the foot pedal and check whether the connector between the controller and the motor is plugged in. If actions above have been completed, but the product still does not operate normally. Please contact us.

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.

How To Maintain

1. Use original battery packs, use of other models or brands may bring about safety issues;
2. Do not touch the contacts. Do not dismantle or puncture the casing. Keep the contacts away from metal objects to prevent short circuit which may result in battery damage or even injuries and deaths;
3. Use original power adapter to avoid potential damage or fire;
4. Mishandling of used batteries may do tremendous harm to the environment. To protect natural environment, please follow local regulations to properly dispose used batteries.
5. After every use, fully charge the battery to prolong its lifespan

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). Do not throw the battery pack into fire as it may lead to battery failure, battery overheating, and even another fire. If the scooter is expected to be 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.

Always charge before exhausting the battery to prolong the battery's lifespan. The battery pack performs better at normal temperature, and poorer 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.

Note: fully charged Laotie Electric Scooter will last for 120-180 days. The built-in intelligent chip will keep a log of its charging and discharging records. The damage caused by prolonged no charge is irreversible and is beyond limited warranty. Once the damage is done, the battery can not be recharged (non-professionals are forbidden to dismantle the battery pack, as it may cause electric shock, short circuit or even major safety accidents).

CERTIFICATIONS

European Union Compliance Statement

Battery recycling information for the European Union



Batteries or packaging for batteries are labeled in accordance with European Directive 2006/66/EC concerning batteries and accumulators and waste batteries and accumulators. The Directive determines the framework for the return and recycling of used batteries and accumulators as applicable throughout the European Union. This label is applied to various batteries to indicate that the battery is not to be thrown away, but rather reclaimed upon end of life per this Directive.

In accordance with the European Directive 2006/66/EC, batteries and accumulators are labeled to indicate that they are to be collected separately and recycled at end of life. The label on the battery may also include a chemical symbol for the metal concerned in the battery (Pb for lead, Hg for mercury, and Cd for cadmium). Users of batteries and accumulators must not dispose of batteries and accumulators as unsorted municipal waste, but use the collection framework available to customers for the return, recycling, and treatment of batteries and accumulators. Customer participation is important to minimize any potential effects of batteries and accumulators on the environment and human health due to the potential presence of hazardous substances.

CE RoHS FC MSDS UN38.3