

**LAOTIE**®

# **User Manual**

ES18 Electric Scooter

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# Product Introduction

## Product Overview



# Main Part Introduction

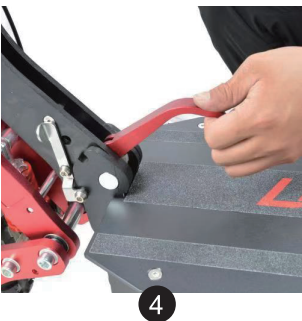
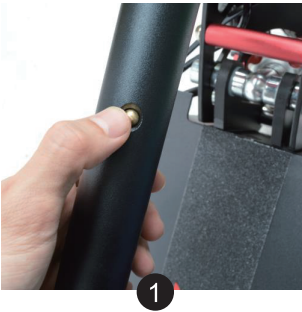
- 1 Front light button
- 2 Turn signal button
- 3 Horn button
- 4 Volt lock with key
- 5 Smart display (with USB port)
- 6 Speed limit button
- 7 Single / Dual engine button





# Folding Instructions

- 1 Press the button on the rod to lower position
- 2 Rotate the outer ring of the handle
- 3 Fold the handle
- 4 Pull out the red rod
- 5 Press sliver rod to lower the scooter
- 6 Done



# Charge Your Scooter



Open the rubber flap



Plug the power adapter into the charging port



When charging is completed, put back the rubber flap

## Safety Instructions

This manual has been created to help you understand the safe use and maintenance of LAOTIE ES18 electric scooter.

- Persons without excellent vision, balance, coordination, reflex, muscle and bone strength and good decision-making capabilities should not use this product.
- The user of this product assumes ALL risks associated with its use. To minimize these RISKS, the user must wear safety helmet, goggles, gloves, elbow and kneepads and appropriate footwear.

- This manual contains important safety information. It is your responsibility to review this information and make sure that all riders understand all warnings, cautions, instructions and safety. We're not liable for incidental damages or consequential damages due directly or indirectly to the use of this product.
- Riding the electric scooter can be a hazardous activity. Certain conditions may cause the equipment to fail without fault of the manufacturer. Like other electric products, the scooter can and is intended to move and it is therefore possible to lose control, fall off and/or get into dangerous situations that no amount of care, instruction or expertise can eliminate. If such things occur you can be seriously injured or die, even when using safety equipment and other precautions. **RIDE AT YOUR OWN RISK AND USE COMMON SENSE.**

## Always follow the local laws and regulations.

- Understand your local laws permitting the use of Electric scooters
- Never ride your scooter in conditions of poor visibility.
- Do not do stunts, wheelies or jumps. They will increase your chances of injury and damage your LAOTIE ES18.
- Never carry passengers

# Display Manual



## **ON/OFF:**

Long press “Power” Button for 3 seconds to start or shut down the scooter.  
Auto OFF: After five minutes of non-using any function, the scooter will be automatically power off.

## **Display content switch:**

In power on condition, short press “Power” Button to switch TRIP/ODO/VOL on the LCD display.

Note: TRIP is Single mileage, ODO is cumulative mileage, VOL is battery voltage.

Speed Mode Switch: In power on condition, short press “Mode” Button to switch speed mode.

## **Parameters Settings:**

Enter/Exit Settings Interface : Long press the “Mode” & “Power” Button together for 3 second.

P00-P09 Switch: Short press “Mode” button to switch code number.

Value Adjustment: Short press “Mode” or “Power” Button to adjust.

Code Number	Meaning	Detail
P00	Wheel diameter setting	Programmed by the controller, not available.
P01	Under-voltage setting	The standard Parameter should be 50.5 for the LAOTIE ES18 electric scooter. Not recommend to change.
P02	Number of pole pairs setting	Programmed by the controller, not available.
P03	Speed signal selection setting	Programmed by the controller, not available.
P04	KM/ Mile selection setting	0 is Km, and 1 is Mile.
P05	Non-zero and zero start selection	Programmed by the controller, not available.

P06	Cruise and Non-cruise selection	0 is Non-cruise, and 1 is Cruise.
P07	Soft start and hard start selection	This P07 setting has been programmed by the controller, not changeable.
P08	Speed limit adjustment	If we want to reduce the top speed, we can press “Power” or “Mode” button to Decrease or increase the percentage number. (For example, if we want 50% of the top speed, we can reduce the percentage number to be 50%)
P09	EBS brake strength adjustment	Programmed by the controller, not available.

## Specification

Items	Specifications
Brand	LAOTIE
Model	ES18(P)
Motor	Dual 2800W (Peak power) Motors
Battery	ES18 (60V31.2Ah) / ES18P (60V33.6Ah)
Tire	11inch Pneumatic Wide Tires
Controller	45A Controller * 2

Brake	Front and Rear Oil Brake & EABS
Max Speed	85 km/h
Max Range	ES18 (100km) / ES18P (120km)
Climbing Angle	50°
Max Load	200KG
Gross Weight	54KG
Body Size	130x126x28cm
Folding Size	127x51x28cm
Package Size	137x36x57cm

# 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.

# Battery maintenance

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 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.

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.

Note: fully charged ES18 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).

# Contact Us

Technical support Team: Support@Laotie.zone

If you have any inquires please feel free to contact us,  
we will reply within 24 hours.



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