



KS-E1 KSE

Original User Manual

Cautions

Electric scooter is a recreational personal transporter. Before mastering riding skills, you need to do practice. You will be responsible for any injuries or damage caused by a rider's inexperience or failure to follow the instructions in this manual.

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

Please following the local traffic laws or restrictions when riding into public areas.

Please always wear a helmet properly when riding to protect your head, as well as other necessary protectors, such as elbow pads, kneecap.

Please slow down the riding speed when riding on crossing, going across the crowd, making a turn, climbing or downing a hill, passing a school and other place that high speed may bring damage to people.

Please do not allow kids of age below 12 to use the scooter on pubic area. Riders under the age of 18 years old should ride under adult supervision.

Please do not use the scooter in serious environments, to avoid scooter malfunction, which may cause damage to body or property, such as Rainy, Snowfield, Grassland, Muddy, Fog, Smoke and so on.

Please do not use the other chargers to charge E-scooter, Only use King Song supplied charger.

Please do not charge E-scooter, if the charger or power outlet is wet.

Please do not disassemble the scooter body or other modify without professional person from distributors.

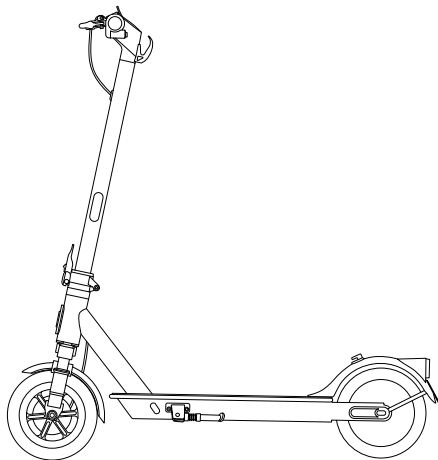
Please do not allow others to ride your e-scooter unless he/her has carefully read and follow the instructions in this manual.

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1. Product Details

1.1 Diagram: KS-E1 KSE



Accessories



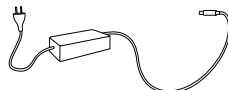
Screws



Hex Wrench

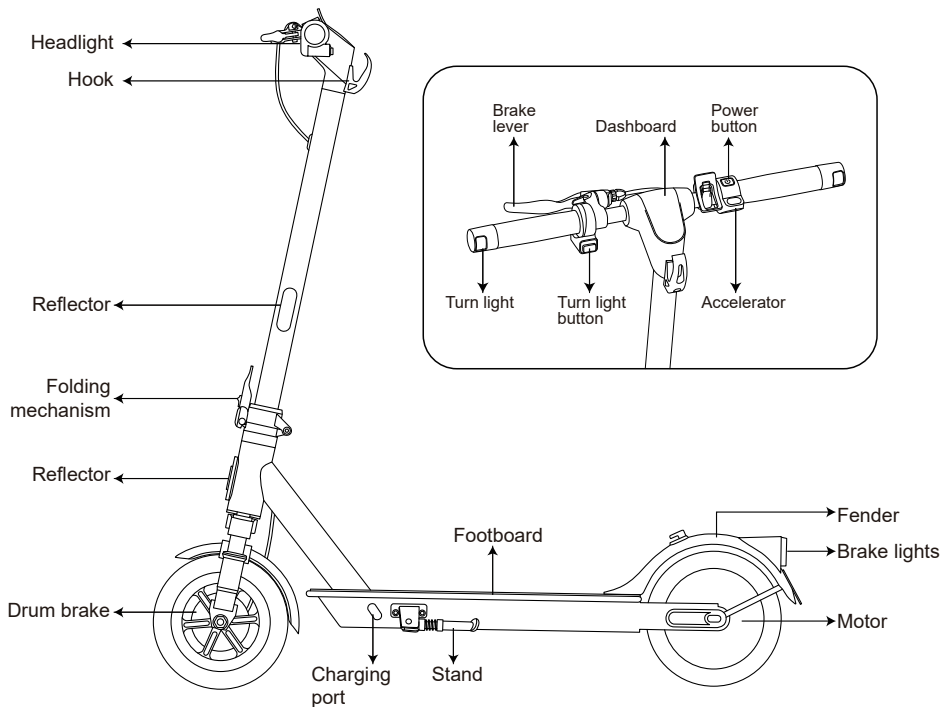


Extended Nozzle



Charging Adapter

1.2 Functions



1.3 Specifications

Model No	KS-E1 KSE
Size	8.5 inch Pneumatic tire
Top Speed	25 km/h
Mileage	Around 25km
Grade-ability	Around 12° / 22%
Battery Capacity	37V, 7.8Ah
Running Condition	-10 ℃/+45 ℃ ; 0-75% Humidity
Storage Condition	-20 ℃/+50 ℃ ; 0-75% Humidity
Max Load	100kg
Charger	Input: 100-240V; Output: 42V/1.5A
Charging Time	Around 5-6hrs.
Motor	350W
Port	Charge Port *1
Headlight	1.5W
Brake Light	LED
Applicable Height	1200-2000mm

Parking Mode	Kick-stand
Cruise Control	System control
Reminder	Mechanical Bell
Accelerator	Throttle Button
Brake	EABS+Front Drum Brake
Display	LED
Battery Display	5 Bars in monitor
Dimension(Unfold)	1080*550*1180mm
Dimension(Folded)	1080*550*545mm
Net Weight	16.2kg
Packing List(pcs)	User Manual*1, Charger*1, Screws *4, Hex Wrench*1, Extended Nozzle *1

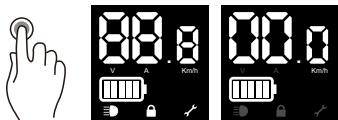
2. Features


- Real-time Temperature Monitoring, Short Circuit / Low Voltage / Overcurrent / Overcharging Protection.
- Digital Speedometer Display, Easy to Read Speed.
- Real-time 5 Bars Battery Display.

- 3 Speed Gear, Press Button to Switch.
- Malfunction Display.

3. Button Usage

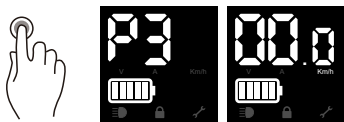
- Power ON/OFF: Long press the power button for 3 seconds, all LED are lighting, showing mode & battery.



- Headlight ON/OFF: Click the power button for two times when unit is on (Headlight ON: )



- Click the power button for once to change the speed gear from 1 to 3 levels, LED display P1/P2/P3. Max speed is increasing from P1 to P3.

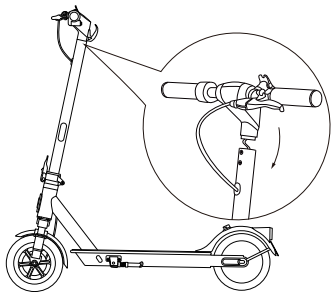
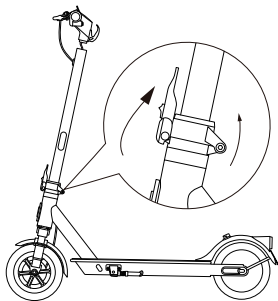


- Click the power button four times to switch the boot mode, the default is non-zero boot.

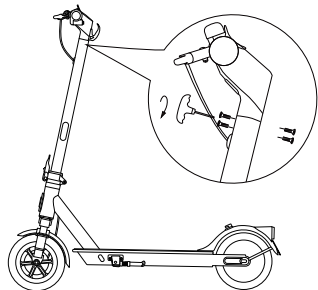


4. Assembly and Set-up

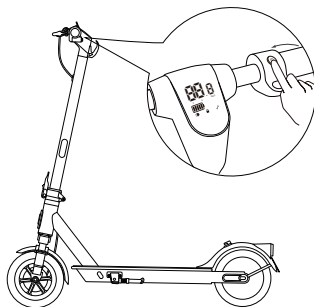
1. Fasten the handlebar stem on the headset, and put the kickstand down.
2. Firmly connect the wires inside the handle and the stem. Attach the handlebar to the stem.



3. Tighten the screws onto both sides of the stem with the hexagon wrench.



4. After the assembly, press the power button to check if it's working properly.



5. APP Usage

- Android APP: Please download from Google play, 'kingsong' is the exact one.
- IOS APP: Please download from apple store, 'kingsong' is the exact one.
- Mini program: Scan on WeChat and use the mini program.



iOS



Android



Wechat Mini Program



Please give the corresponding permission to scooter APP, to ensure the APP can run normally in your mobile device.

Open Bluetooth/location (or GPS), Click 'Search' -> Click the corresponding model KS-E1 KSE in device list to connect. The E-scooter will beep when APP is connected with E-scooter.

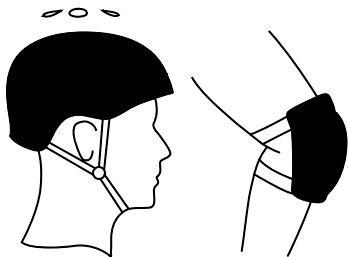
6. Learn to Ride

- Step 1: Check E-scooter Status

Check the environment whether it's safe to ride without hurting yourself or others.

Check the battery level and remain mileage in APP.

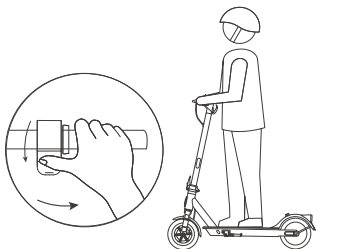
- Step 2: Wear protective equipment.



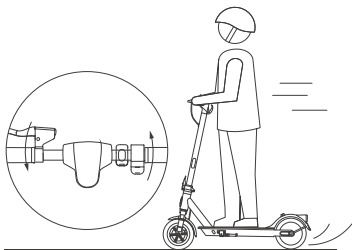
- Step 3: Try to slide with one leg.



- Step 4: Touch the throttle slightly and try to put two leg on the deck.



- Step 5: During riding, try to release the throttle and pull the brake lever.

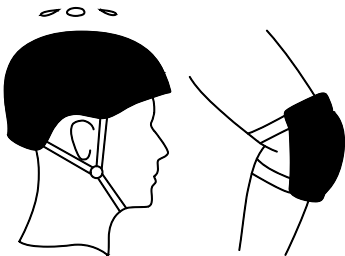


- Step 6: Try to use the headlight.

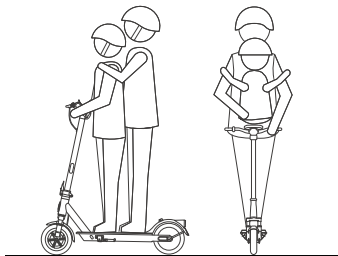


7. Safety Instruction

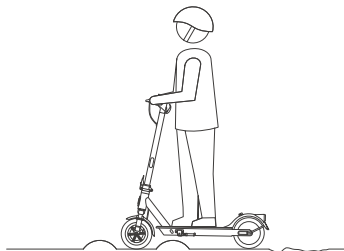
- Wear protective equipment.
- Do not ride in rainy or cross puddles.



- Do not load over 100kg.



- Ride slowly in special cases.



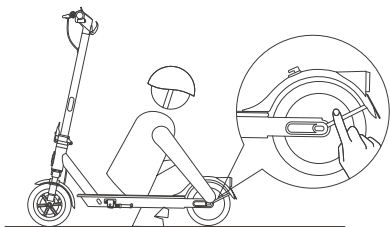
- Do not place one foot on the deck or on the ground when riding.



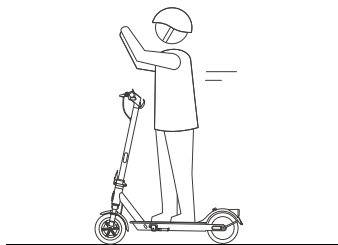
- Do not tread the back of the fender.



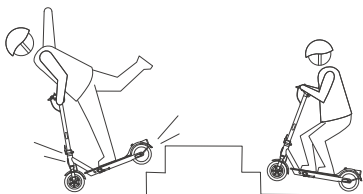
- Do not touch the motor.



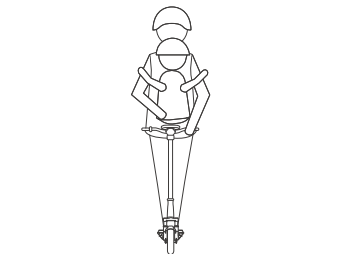
- Do not leave your hands during riding.



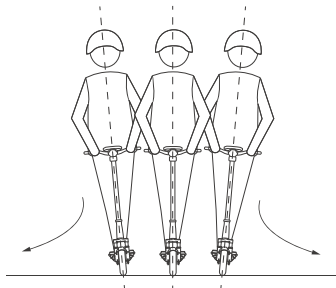
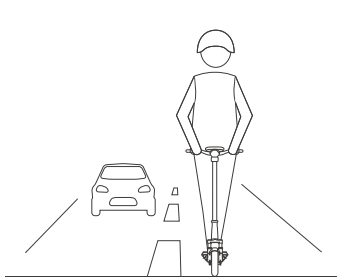
- Do not ride upstairs or downstairs, or over obstacles.



- Do not hold a child during riding.



- Do not ride on highway or motor vehicle road.
- Do not ride with sharp turn.



8. Cruise Control

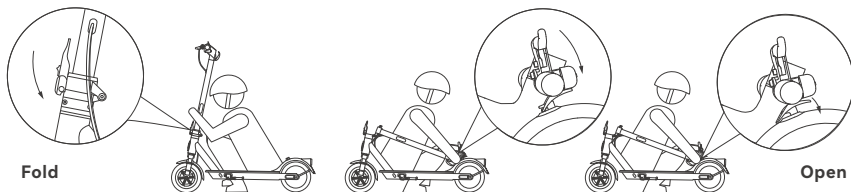
Click the power button five times to turn the cruise control function on or off. It is turned on by default. When you keep riding at the same speed for about 10S, the E-scooter will be in cruise-control mode(running at constant speed on flat road) Please use cruise-control only on flat road, or you will fall down on other roads.

9. Error Description

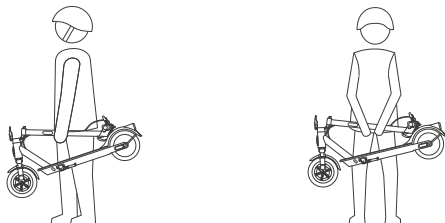
Display	Defect Description	Solutions
E0	Wrong in communication	<ol style="list-style-type: none">1. Check whether the display control board is well connected;2. Replace the display.3. Replace the control board.
E2	Throttle fault	<ol style="list-style-type: none">1. Release the accelerator.2. Restart.3. Replace the accelerator.
E3	Brake system malfunction	<ol style="list-style-type: none">1. Release the brake.2. Restart.3. Replace the brake lever.
E4	MOS failure overcurrent	<ol style="list-style-type: none">1. Release the accelerator.2. Restart.3. Replace the control board.
E5	Hall failure	<ol style="list-style-type: none">1. Check whether the Hall wire plug of the motor is loose.2. Check whether the motor cable is damaged.3. Replace the motor.4. Replace the control board.

E6	Motor protection	<ol style="list-style-type: none">1. Check whether the motor cable is damaged.2. Replace the motor.3. Replace the control board.
E7	Low voltage protection	<ol style="list-style-type: none">1. Stop riding and get scooter charged.2. Restart.3. Check if firmware has been wrongly upgraded.4. Replace the control board.
E8	Overvoltage protection	<ol style="list-style-type: none">1. Check whether scooter has been fully charged, riding the scooter at low speed, avoiding braking suddenly when scooter is fully charged.2. Restart. Check if firmware has been wrongly upgraded.3. Replace the control board.

10. Folding and Carrying



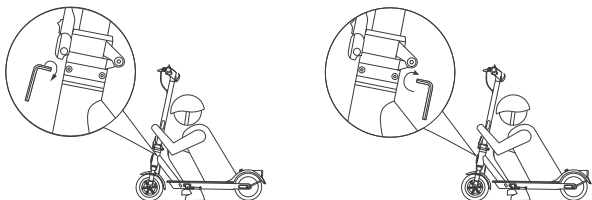
Make sure that the scooter's turned off. To fold, unlock the folding mechanism, and bend the handlebar stem to hook the buckle on the rear mudguard. To open, press the bell trigger to remove from the buckle, erect the handlebar and lock the folding structure.



Carry

Hold the handlebar stem with either one hand or both hands to carry.

11. Adjust the handlebar



If the handlebar and its stem sway during riding, use the hexagon wrench to tighten the screws on the folding mechanism.

12. Battery

12.1 Temperature Effect on Battery

Battery power will vary with the temperature, mileage per charge will have slight difference under different temperature, and following table is just for your reference.

Temperature(°C)	-20	-10	0	10	20	30	40	50
Range	40%	60%	80%	90%	95%	100%	105%	110%

12.2 Charging

The device has a built-in lithium battery, no extra battery installation is required, just charge the device when it indicates low battery.

Plug in the power source after inserting the charger plug, this can prevent potential risk to ensure a safer charger.

It takes around 5-6hrs to get 100% charged, when the red lights turn into green, indicating the charging is completed. If not in urgent need, please wait until charging complete before unplugging, for after charging, the protection circuit will perform flow equilibrium.

13. Clean and Maintenance

13.1 Clean and Maintenance

When charging

- Please place the E-scooter in cool and ventilate places to release heat.
- Please avoid high temperature or moist.
- Please avoid water into the E-scooter to prevent electric shock, especially water drops from the charger cable to the the charging port.

When cleaning

- Please make sure the E-scooter is off.
- Please use soft cloth to clean the E-scooter.
- Please don't use water to wash the E-scooter or place E-scooter in water.

When storage

- Please place the E-scooter in cool and ventilate places (temperature -10~50℃, relative humidity 0~90%).
- Please don't place subjects on the E-scooter or heavy subjects to squeeze the E-scooter.

13.2 Battery Pack Maintenance

When the E-scooter is fully charged, please check the voltage of the battery. Normal voltage is 37V~42V.

If the voltage is not in this range, please contact the distributor for battery pack maintenance.

Please charge the E-scooter at least one time each month, to extend the battery pack lift time.

Please do not disassemble, assemble or change the battery by yourself.

13.3 Regular Maintenance

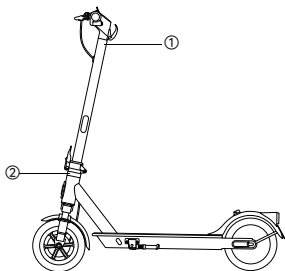
Please do not disassemble or assemble the E-scooter without the guide or help from professional maintenance

from the seller or distributors.

Please make a video or photo to distributors when the E-scooter run abnormally, as well as providing the serial number.

Check the tire pressure before riding; if the tire pressure is insufficient, please inflate it in time; the recommended tire pressure is 250-300kPa, and the maximum tire pressure is 300-350kPa.

Attentions before riding



Check①②of the scooter before riding. Firm or not. Tighten the screws if there is any sign of loosening.

Note:

The fixed screw torque of ① is 4N/m;

The fixed screw torque of ② is 14N/m.

14. Warranty

For warranty policy, please consult with the point of purchase or email to the manufacturer's service team:

support@szkingsong.com

Again, we appreciate your purchasing of Kingsong products.

Kingsong Technology Co.,LTD.

Address : B5, 303-1, Yijing Industrial City, Tianliao Community, Yutang Street, Guangming District,
Shenzhen, China

E-mail : info@szkingsong.com