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KUGOO Kirin-X1 Foldable Electric Scooter User Manual

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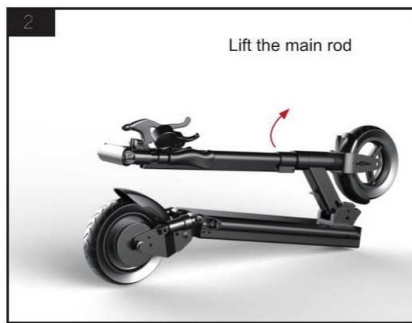


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Getting started guide

Unfold



Fold



Step 1: power on

Step 2: extend the T-shaped sleeve outward

Step 3: bend the handle downward



Step 4: unscrew the nut.

Step 5: adjust T-shaped tube downward

Step 6: push forward and at the same time hold down the lever when folding the head.

Basic operation:

Power Switch

Press the power switch for over 3 seconds, then the LED screen will turn on. The device will turn off automatically if it does not move after 90 seconds.

Speed Control

After power on, press the power key, and L1 shows on the screen, indicating grade 1 (15-20km/h). Press the power key again, then L3 shows on the screen indicating grade 3 (40-60km/h). The speed controller maintains the speed between 1km/h and 65 km/h. Press the power key for 2 or 3 seconds at the start window of the instrument, then the front light turns on.

Power Indication

A number of bars indicate the rest power of the lithium battery.

Note: Recharge, when there is only one bar, as over-discharging, may damage the battery.

Mileage

After power is on, ODO will be displayed on the LED screen. Press the power key, TRIP will be displayed; press the power key again, and voltage will be displayed. When TRIP is displayed,

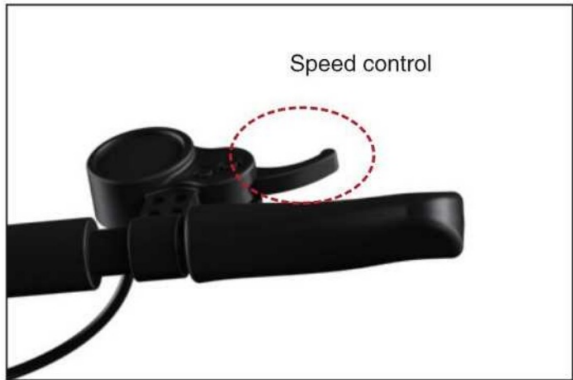


holding down the MODE key for three seconds can reset TRIP data.

Speed Control

Speed

With this handle, the user can control the speed according to the actual situation.



Functional specifications

LED Screen

After power on, the LED screen displays ODO. Press the power key, it displays TRIP. Press the power key again, it displays the voltage. When displaying TRIP, press the MODE key for 3 seconds to zeroing TRIP data.



The battery and Instructions for motor use

Battery Overview

The capacity of the battery, to a great extent, decides the endurance mileage of the vehicle. Battery with a larger capacity can enable longer endurance mileage. This compact battery (48V 21AH) contains power energy of 1008wh, thus enabling further travelling.

Note: Before the first use of the electric scooter, it's a must to fully charge it .

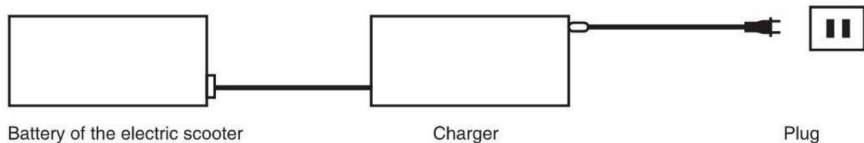
Features of the battery of the scooter

Features of the electric scooter:

- 1. Balanced charging protection: automatically balance the voltage of internal cells to protect the battery.
- 2. Overcharging protection: overcharging may severely damage the battery. When the battery is fully charged, the charging process will be ceased automatically.
- 3. Charging temperature protection: the battery may be damaged or work improperly if charging in an environment where the temperature is under 5t or above 40t.
- 4. Overcurrent protection: overcurrent during the charging process may severely damage the battery. When the charging current is larger than 8V, the battery will stop the charging process.
- 5. Over discharging protection: over-discharging may severely damage the battery. When the voltage drops to 44V, the battery will stop output.
- 6. Short-circuit protection: if there is short-circuit, the battery will stop output to protect itself.
- 7. Auto sleep: after initiation, the battery will enter sleep mode if there is no load in 20 minutes to save power.

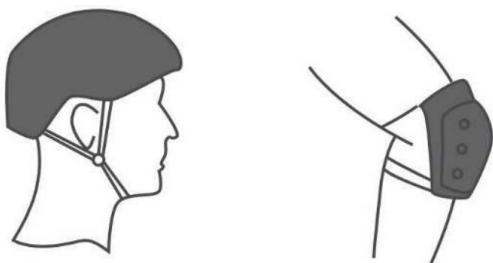
Charging

- 1. Connect the charger with AC mains.
- 2. Connect the power-off electric scooter with the charger.
- 3. The ideal charging temperature is 5 -40t. if the cell temperature is not in the range, the battery management system will cease the charging process.



Learning to drive

Learning to drive

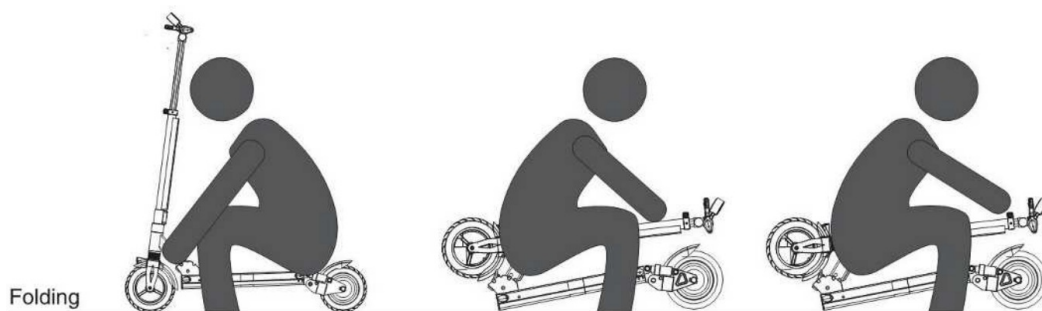


You may fall down and get hurt during learning. Please wear a helmet and protective equipment as the picture shows all the time during the learning.
Attention:

1. Necessary protective equipment such as helmets, gloves, elbow guard, and waist support;
2. It's forbidden to ride on ragged and wet floors, such as unpaved roads, rocky roads, and roads with ice and ponding;
3. It's forbidden to ride on the road which slopes larger than 15°;
4. It's forbidden to be used by people under 15 or above 60 years old;
5. It's forbidden to be used by people under the effect of drug or alcohol, or people with limited action and reaction ability;
6. It's not suggested to ride on cold winter days;
7. It's forbidden to ride on rainy days;
8. Please slow down on slopes;
9. Situations that are not suitable for riding, caused by the rider or other objective causes;
10. For charging, it's a must to connect the cord with the charging socket of the electric scooter first before connecting with the mains;

You have to practice a lot to acquire the skills of safe driving. Unskilled driving or failure to follow this manual when using the product may cause personal injury or property damage to the driver or others. We are only liable for the fault or damage of the product, and will not take the responsibility for personal injury or property damage caused by the use of this product.

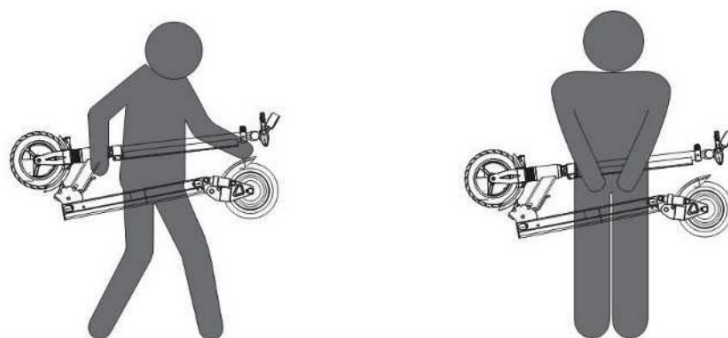
Folding and handling



Folding

hold the tube, and push aside the thumb shifter. then open the folding lever.

Make sure the electric scooter is powered off,



Handling

hands.

Handling the scooter by holding the tube with one hand or two

Daily protection and maintenance

Clean and storage of electric scooter

If there is a stain on the surface of the scooter, rust uses a soft cloth with clean water to scrub. If there is a stubborn stain, please apply with toothpaste and scrub with a toothbrush, and then clean with a wet cloth. If there is a scratch on the plastic part, use abrasive paper or other abrasive material to polish. Note: Do not use alcohol gasoline kerosene or other corrosive chemical solution to clean otherwise the appearance or internal structure of the scooter may be damaged. It's forbidden to flush with hydraulic cannon. Make sure the electric scooter is powered off and disconnected with the power cord and the cover of the charging port is closed when cleaning; otherwise electric shock or serious fault may occur due to penetration of water. When disused, it's suggested to store the electric scooter in a dry and cool place in the house. Outdoor storing for a long time should be avoided. An outdoor environment with blazing sun and too hot or cold weather will speed up the aging process of overall appearance and tires, and shorten the service life of the electric scooter and its battery set.

Maintenance of battery of the electric scooter

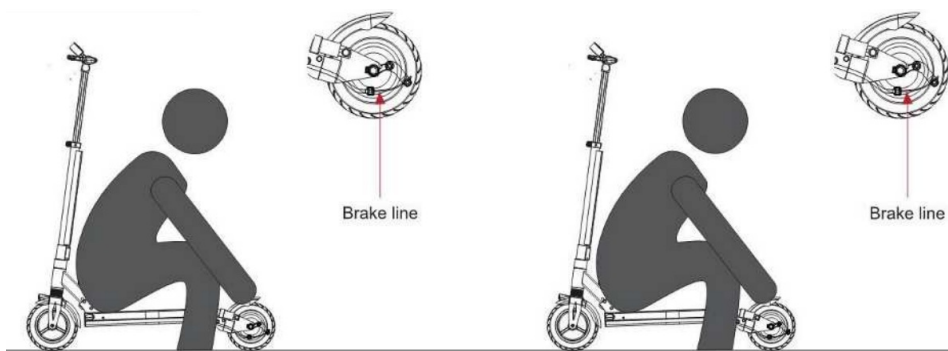
1. Please do not use the battery set of another model or brand, otherwise, there will have safety risks.
2. It's forbidden to touch, dismantle or puncture the battery. Please avoid touching the battery contact with metal, otherwise, the battery may be damaged, and people may get hurt or die.
3. Only original charger for charging, otherwise, there is a risk of damage or fire.
4. Improper disposal of the used battery may seriously pollute the environment. Please do not litter the battery set. Dispose of the battery set according to local laws and regulations, thus protecting the natural environment.
5. After each use, please fully charge the battery before storage, thus prolonging the service life of the battery.

Do not put the battery in an environment with a temperature higher than 50°C or lower than -20°C (for example, Do not put the electric scooter or its battery set in the car under the blazing sun in summer). It's forbidden to put the battery set on the fire, otherwise, the battery set will be damaged, overheated, or even on fire. If the battery will be disused for over 30 days, please fully charge it first and store it in a cool and dry place. The disused battery should be fully charged every 60 days, otherwise, the battery may be damaged and such damage is not covered in the warranty.

Pls avoid recharge when the power is used up, and recharge power timely, it can increase the battery service life. Under normal temperature using, the battery can work for a high range and features. Under below at temperature, the battery will reduce range and features. For example, under -20°C temperature, the range only is half of the normal temperature even less than half. And when the temperature increases, the battery range will resume normal value.

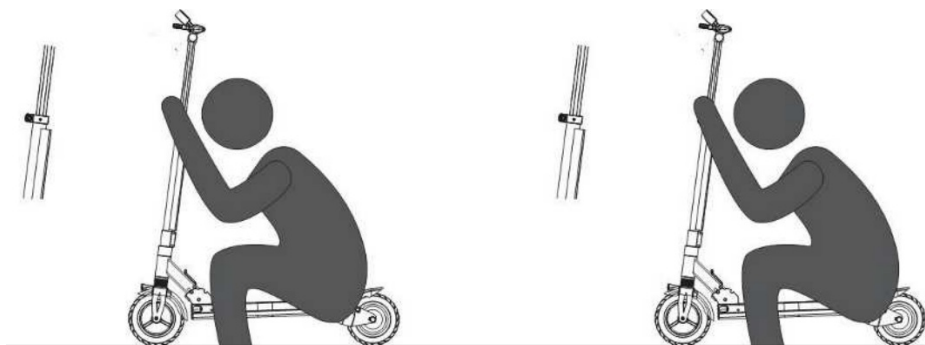
Reminding: Fully charged electronic scooter, the power will exhaust after about 120-180 days. There is a smart IC inside the battery with a record of charge and discharge power. When no charge for a long time, the battery can not be charged again. If do not recharge the battery will damage the battery because of over-discharge, and this damage can not recover, and can not enjoy a free warranty. (Warning: disassembling the battery is prohibited by non-professionals, otherwise will cause a safety accident because of the short circuit.

Disc Brake Adjustment



If the brake is too tight, pls, use the M5 hex wrench to loosen the screw on the disc brake holder in an anticlockwise direction, and short the brake cable, then fix the screw tightly; if the brake is too loose, just loose the screw and make the brake cable to be longer and then fix the screw tightly.

Adjusting shaking handles



If the main rod of the electric scooter shakes during running, please use an M10 hexagon wrench to tighten the bolts at the folding mechanism.

Use of inflation inlet



If the main rod shakes during the running, please tighten the nuts for clamp and secure it.

After-sales service

For any problem listed in the following table, our distributor will provide perfect after-sales service within the scope of a warranty.

Part	Quality issue	Warranty period	Remarks
Motor	Seriously broken rubber wheel hub, faulty motor	6 months	Free repair
Accelerator	Unable to use with normal conditions (except damage caused by impact)	6 months	Free repair
Controller	Fault during normal use	6 months	Free repair
Charger	Fault during normal use	6 months	Free repair
Lithium battery	No output during normal use	6 months	Free repair
Framework	Deformation or fracture during normal use	12 months	Free repair

Attentions for warranty

Faults caused by any of the following causes are not within the scope of the warranty:

1. Failed to maintain according to this user manual;
2. Damage caused by misuse, traffic accident, or accidental collision;
3. Damage caused by riding on abnormal roads or accidental collision;
4. Please do not expose this product to the blazing sun or outdoor for a long time, as that will speed up the aging process of the product and cause malfunction.
5. Quick aging and malfunction of the product caused by dangerous play with the electric scooter, such as acrobatic play;
6. Damage to the vehicle caused by natural disaster or irresistible force;

Note: Please enter our website for updated information about after-sales:replacement: payable and free warranty.

Guarantee card

Start date of the warranty extension (DDMMYY)
 Start date of the warranty extension (DDMMYY)
 Start date of the warranty extension (DDMMYY)

User information:

Name: _____
 Contact number: _____
 Email: _____
 Address: _____
 Product information:
 Model: _____
 Repair station: _____

Date of return: _____
Fault description: _____
Fault cause: _____



Documents / Resources



[KUGOO Kirin-X1 Foldable Electric Scooter](#) [pdf] User Manual
Kirin-X1, Foldable Electric Scooter, Electric Scooter, Kirin-X1, Scooter

Related Manuals / Resources

[NIU KQi2 Pro Foldable Electric Kick Scooter User Manual](#)

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[GOTRAX Electric Scooter Documentation](#)

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