

# Niu Technologies Kick Scooter

KQi3 Series Product Instruction Manual

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Annex 1: Regular Maintenance and Care Table

# 1 **Riding Safety**

1. scooter. Please read this manual carefully to better understand the product before riding. Please read the important safety precautions in this manual carefully and always abide by local laws and regulations when riding.  
IMPORTANT! Read carefully and keep for future reference
2. Please read the product manual carefully, and ride carefully before you understand the characteristics of the kick scooter..
3. This kick scooter is a transportation and recreational tool. When riding in a public area, this scooter may be treated as a vehicle, and there are potential safety risks with all vehicles. Please use this product according to the instructions and warnings in this Manual to maximize the safety of you and others, and comply with national and local laws and regulations.
4. Even if you fully comply with this safe driving guide, you may face risks caused by illegal driving or improper operation from other vehicles and individuals. Like all vehicles, the faster you drive a kick scooter, the longer the distance required to brake, it is recommended to ride in a relatively closed and flat road environment (such as inside a community, park, special closed venue , etc.). Therefore, it is important to be vigilant and maintain the proper speed during driving, as well as to maintain a reasonable safety distance from others and vehicles. Please be aware of your surroundings and ride at low speed when on unfamiliar terrain.
5. Please respect the pedestrians' right of way when driving. Avoid scaring pedestrians, especially children. Alert pedestrians when passing behind them and slow down when passing. Pass from the left side of pedestrians if possible (applicable to the country where the vehicle is traveling right). When facing pedestrians, keep to the right and slow down to pass.
6. When riding in countries and regions where there is currently no relevant regulations for kick scooters, you must strictly comply with the safety requirements for riders in this Manual. The manufacturer will not bear any direct and joint liability for any property loss, personal injury, accidents or legal disputes caused by the using behavior violating safety tips in this Manual.
7. Take the time to learn the basics of the practice to avoid any serious accident that can take place in the first months;
8. Do not lend the kick scooter to a person who can't operate, so as to avoid injury. Please make sure that the rider has read this Manual and learned the novice teaching before lending the kick scooter to others, and remind riders to wear a helmet and protectors to ensure their safety.

9. Check the basic condition of the kick scooter before each ride. Discontinue use and don't ride forcibly if you find such situations influencing driving safety that parts are loose, the parts are damaged, the battery life significantly decreases, the tires are flat or excessively worn and the scooter has abnormal noises or alarms.
10. Please properly keep your product packaging in case you need to return or repair in the future. If you use non-original packaging, you will be responsible for the damage caused during transportation, additional logistics costs and other related expenses .

## 2 Packing list

Extension nozzle

M5 screw × 5

\*One spare

Power adapter

3mm socket head wrench



### 3 Parts info

Accelerator

Headlight

Front reflector

Folding wrench

Instrument

Bell

Brake lever

Side reflector

Wheel hub motor

Charging port

Folding buckle

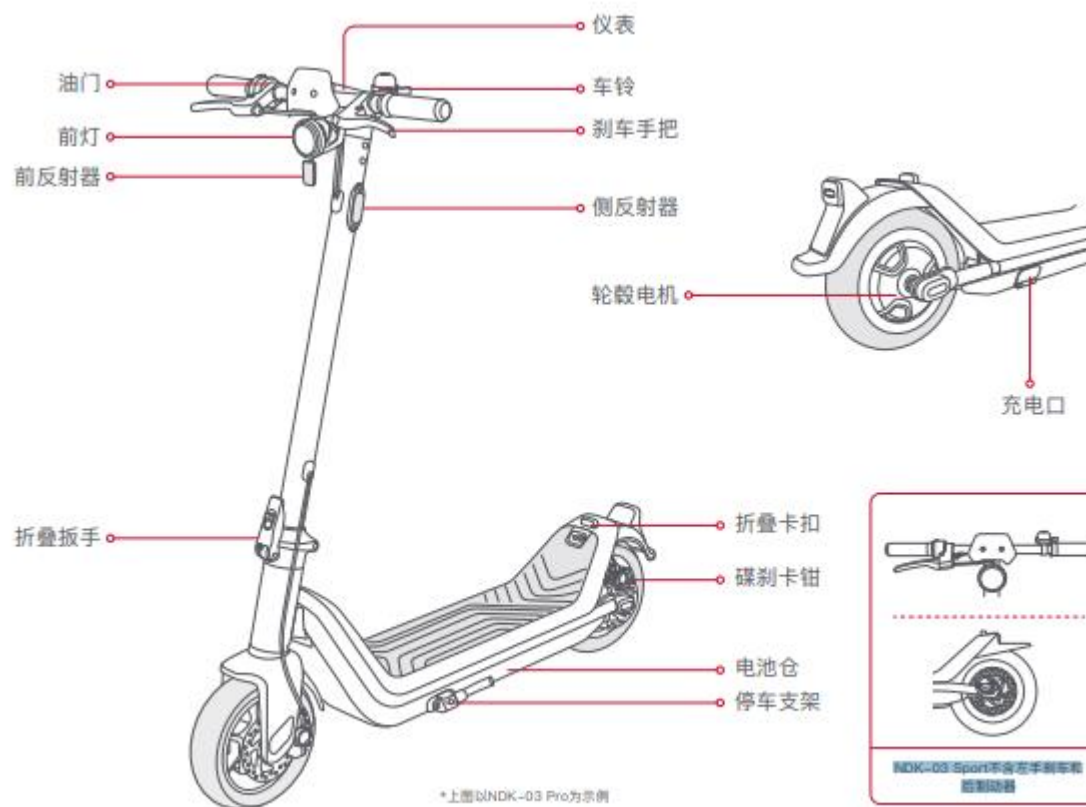
Disc brake calipers

Battery compartment

Kickstand

KQi3 Sport excludes the left hand brake and rear brake

The picture above takes KQi3 Pro as an example

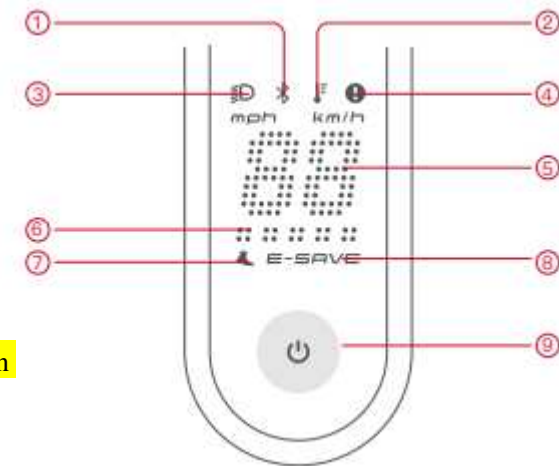


## 4 Dashboard Info

1. Bluetooth status
2. Abnormal temperature warning
3. Lighting status
4. Fault warning
5. Real-time speed/fault code display
6. Battery indication
7. Pedestrian mode status

Short press \*5 to get into the pedestrian mode, the speed will be limited to 6KM/H, Short press the button to exit this mode

8. Riding mode
  - E-SAVE lights up: Eco mode
  - E-SAVE goes out: Sport mode
  - E-SAVE flashes: Custom mode (in-app).
9. Operation keys
  - Long press the power button to turn on or off the device
  - Short press \*1 for gear switch
  - Short press \*2 for light switch.
  - Short press \*3 for speed unit switch
  - Short press \*5 to get into the pedestrian mode



## 5 Installation guide

### Body assembly

1. Secure the scooter neck tube and open the kickstand.
2. Connect the handlebar to the main line connector of the vertical tube, and install the handlebar to the vertical tube.
3. Confirm that the device will power on and off after assembly.
4. Lock the screws on both sides alternately with the hexagon wrench in the packaging box (tightening torque: 4~5N\*m), that is, the assembly is completed.

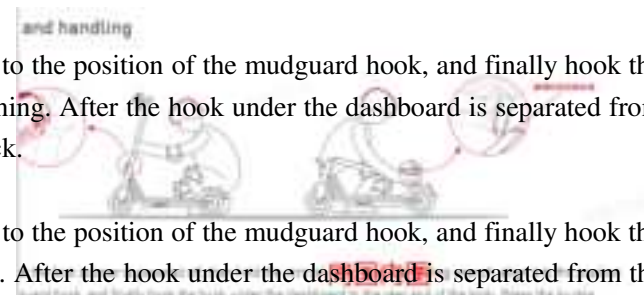
### Folding and handling

#### Folding

Confirm that the kick scooter is powered off, then hold the vertical tube, open the folding wrench, align it to the position of the mudguard hook, and finally hook the hook under the dashboard to the rear end of the body. Press the buckle button on the mudguard when opening. After the hook under the dashboard is separated from the folding buckle, straighten the vertical tube to lock the folded plate and then turn the folding wrench back.

#### Handling

Confirm that the kick scooter is powered off, then hold the vertical tube, open the folding wrench, align it to the position of the mudguard hook, and finally hook the hook under the dashboard to the rear end of the body. Press the buckle button on the mudguard to open it. After the hook under the dashboard is separated from the folding buckle, straighten the vertical tube to lock the folded plate and then turn the folding wrench back.



### Charger connection

Firstly open the charging port, then plug the charging plug into the body charging port and finally connect the power supply to charge. After the completion of charging, fastening down the charging port to beware of water intake.

#### Caution!

Do not charge when the charging port, charger or power socket is wet.

Turn off the power before charging.

The original charger provided by Niu can be only used when charging. Do not use any other type of chargers.



Do not charge or continue using the battery if the battery is damaged or flooded.

Fasten the rubber plug of the charging port before or after charging.

Do not charge outdoors.

Do not ride while charging.

Parking instructions

Please turn on the parking device after use and park the vehicle. Please turn on the parking device before use.

## 6 Downloading the APP

Scan the QR code on the left, install the Niu E-scooter App, bind and activate the scooter according to the prompts.

Safety risks are present when using the scooter. You must complete the teaching guide for newbies through the APP before initial use. For your safety, the new scooter is inactive and will be locked in the E-save position until you complete all the teaching contents for newbies. You need to install the Niu Technologies app on your mobile device, connect it to your kick scooter via Bluetooth, complete the activation and binding according to the prompts in app, and learn the contents for newbies. You can enjoy all the functions of the kick scooter after all these contents are completed.

Your mobile phone needs to be the Bluetooth functional version 4.2 or above; iOS system version 9.0 or above; AndroidTM system version Android 5.0 or above.

- 1 After installing the APP, please log in and register.
- 2 Long press the button to power it up and the Bluetooth icon will start flashing.
- 3 Click [Me], [Device Binding] and [Bind with Bluetooth] to connect to your scooter. The scooter beeps, indicating that the Bluetooth is connected successfully. The icon will stop flashing and keep on once the connection is successful.
  - \* The account paired with the Bluetooth for the first time is the vehicle owner. If the vehicle owner changes the mobile connection, the Bluetooth pairing needs to be reset.
  - \* In case of changing the account connection, the original vehicle owner's account needs to be unbound.
- 4 Activate the scooter according to the prompts of APP and learn how to drive safely. Now you can get your scooter started, check the status of your scooter and interact with other riders through the APP. Enjoy yourself!

## 7 ARE YOU READY?

The risk of fall injuries is present during practice, so please wear a helmet and protectors all the way.

- 1 Turn on the power and check the power indicator.
- 2 Stand on the pedal with one foot and push back with the other foot.
- 3 When the kick scooter is sliding, stand on the pedal with the other foot, keep both feet stable, while gently pressing the throttle twistgrip. (The speed above 4km/h will start the throttle)
- 4 Release the throttle twistgrip and use the energy recovery to achieve the effect of deceleration. Emergency braking requires powerful grip on both sides of the brake levers.
  - \* The deceleration can be adjusted through energy recovery within the app.
- 5 The body should lean slightly to the direction of turning, and slowly turn the handlebar during a turn.

## 8 Warnings

It is forbidden to drive into public roads, motorways or highways.

Please avoid riding in the rain. Braking distance will be extended in wet weather, so drive carefully.

It is forbidden to drive if water level exceeds 2cm.

It is forbidden for multiple people to drive a scooter or to drive with children in arms.

It is forbidden to step on the back of the mudguard.

Do not ride with one foot on the pedal or on the ground. Please always wear shoes.

Always keep your hands on the handlebar when driving.

Do not pass at high speed when encountering deceleration zone / potholes or other unconventional roads pavement,

Do not accelerate downhill.

It is forbidden to ride up and down stairs on kick scooters as well as jumping obstacles.

Please avoid obstacles. Turn on the vehicle headlight when driving in the dark.

Do not hang heavy objects such as backpack on the handlebar as the stability of the vehicle can be affected.

Do not drive indoors.

It is forbidden to turn the handle substantially at high speed.

Do not twist the throttle when walking with the kick scooter.

Do not touch the disc brake in a short time after use to avoid burns.

- **WARNING!** As with any mechanical component, a vehicle is subject to high stresses and wear. The various materials and components may react differently to wear or fatigue. If the expected service life for a component has been exceeded, it may break suddenly, therefore risking causing injuries to the user. Cracks, scratches and discoloration in the areas subject to high stresses indicate that the component has exceeded its service life and should be replaced.
- Traffic conditions in the city has many obstacles to cross such as curbs or steps. It is recommended to avoid obstacle jumps. It is important to anticipate and

adapt your trajectory and speed to those of a pedestrian before crossing these obstacles. It is also recommended to get out of the vehicle when these obstacles become dangerous due to their shape, height or slippage.

- WARNING! Keep plastic covering away from children to avoid suffocation.
- Get closer to your seller so he can refer you to an appropriate training organization.
- Avoid high traffic or overcrowded areas.
- In any case, anticipate your trajectory and your speed while respecting the traffic rules, sidewalks and the most vulnerable, the pedestrians.
- Notify your presence when approaching a pedestrian or cyclist.
- Walk while crossing the protected passages.
- In all cases, take care of yourself and others.
- Do not divert the use of the vehicle.
- This vehicle is not intended for acrobatic use.
- Caution, the brake may become hot in use. Do not touch after use.
- Regularly check the tightening of the various bolted elements, in particular the wheel axles, the folding system, the steering system and the brake shaft.
- Eliminate any sharp edges caused by use.
- Do not modify or transform the vehicle, including the steering tube and sleeve, stem, folding mechanism and rear brake.
- The self-tightening nuts as well as the other self-tightening fastenings may lose their efficiency so they may need to be retightened.
- Do not make any modifications that are not noted in the instructions.

# 9 Troubleshooting

Troubleshooting of the whole vehicle

## 10 Maintenance and Care

### Vehicle cleaning

Wipe the main frame with a soft wet cloth. If buildup is formed and is hard to be cleaned, you can apply toothpaste and rub with a toothbrush repeatedly, and then remove residue with a soft wet cloth.

Do not clean your scooter with alcohol, gasoline, kerosene or other corrosive and volatile solvents. These substances may damage the appearance and internal structure of the vehicle body. Do not spray the scooter with pressure water guns or water pipes. Before cleaning, make sure that the scooter is in shut-down state, non-charging state, and the charging port has been buckled tightly, otherwise damage may be caused to electric parts by water leaking.

### Vehicle storage method

- Accessories and any additional items which are not approved by the manufacturer shall not be used.
- Please store the vehicle in a flat, stable, well-ventilated and dry place.
- Prolonged exposure to UV rays, rain and the elements may damage the enclosure materials, store indoors when not in use.
- For a long storage period, keep the battery power between 30%-70% and recharge it every two months to extend the battery life.
- After long-term storage, please fully charge the battery before use and check the tire pressure.
- Do not charge when the charging port or charging cable is wet.
- If any abnormal sound and noise are caused during riding or pushing, do not ride. Carefully check the source of the abnormal sound and noise before riding again.
- Do not use other models or brands of battery packs, otherwise there may be a potential safety risk.
- Please charge the battery with the original charger, otherwise the battery will be damaged or in danger of ignition or explosion.
- Do not touch the battery contacts, and do not open or expose the shell. Avoid short circuit caused by metal objects contacting the battery contact, otherwise battery damage or personal casualty may be caused.
- Do not store the vehicle near a heat source, otherwise it may cause battery failure, overheating, and even fire risk; If the battery is damaged or water enters the battery compartment, it is prohibited to charge or continue using the battery.



- It is strictly forbidden to immerse the battery and the vehicle body in water or ride in the rain, as well as cleaning the vehicle body with high-pressure water pipes in order to prevent water entering the battery compartment, circuit chip, etc.
- Do not take the battery out. The operation of the vehicle body may be affected due to wrong disassembly.



- Do not hesitate to contact your dealer or send an email to the following mailbox.

Technical & general support: [technical@niu.com](mailto:technical@niu.com)

Warranty claims: [warranty@niu.com](mailto:warranty@niu.com)





### Disc brake debugging

#### ● Excessive braking force

If you feel that the brake is too tight, use a wrench to loosen the brake arm nut 1 counterclockwise, return the brake cable to shorten the length of the exposed tail, and lock the nut clockwise 1 to confirm the brake force and complete the adjustment.

#### ● Insufficient braking force

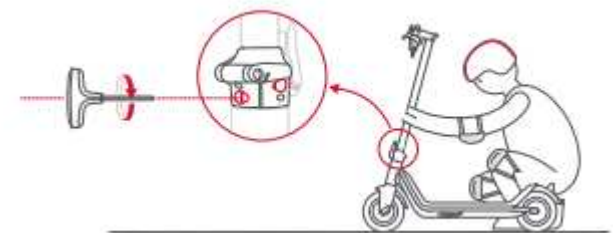
If you feel that the brake is too loose, use a wrench to turn the fine adjustment screw 3 counterclockwise, and then confirm the braking force by the brake action, and tighten the limit nut 2 clockwise after completion.

### Changing Brake Pads

- Completely loosen the brake cable and remove the brake calipers from the vehicle body with a 4MM hexagon wrench.
- Tilt the tail end of the brake pad return spring and remove it.
- Remove the old brake discs one by one and clean the brake piston with a clean cloth.
- Put the new brake discs in one by one, and push the two brake discs apart with tools.
- Push the return spring to the bottom through the gap of the brake discs.
- Install the calipers to the vehicle body, thread the brake cable and lock it in place.

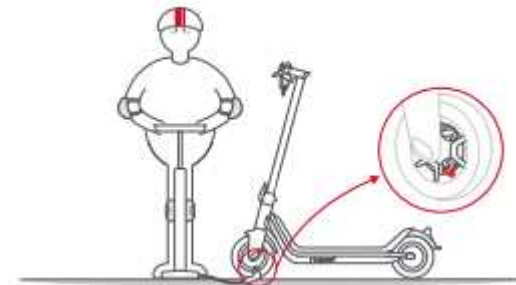
### Handlebar shaking debugging

Check whether the vertical tube screws are loose. If so, fasten the standpipe screws first, and then fasten the two screws of the folding mechanism with a 6mm hexagon wrench.



### Use of the extension nozzle

If your kick scooter front and rear tires are underinflated, please use the extension nozzle to connect the car body tires to inflate. First remove the front and rear tire inflatable nozzle cap, and then tighten the extended inflatable nozzle and tire inflatable nozzle, and connect the pump to inflate after they are to be tightened.



# 11 Specifications

	Item	KQi3 Pro	KQi3 Sport
Product size	Before folding: Length × width × height	46.2X21.3X47.3in ( 1,173X542X1,202mm)	
	After folding: Length × width × height	46.2X21.3X20.7in (1,173X542X525mm)	
Product weight	Net weight	Approx.(44.8lbs)20.3kg	Approx.(40.6lbs) 18.4kg
Riding request	Maximum load	220lbs(100kg)	
	Age range	14+ years old	
	Height	3'11"~6'6"(120-200cm)	
Vehicle parameters	Maximum vehicle speed	Approx. 19.9mph(32km/h)	Approx. 17.4mph(28km/h)
	Average battery life <sup>1</sup>	Approx. 31miles(50km)	Approx. 24.9miles(40km)
	Maximum Slope <sup>2</sup>	20%	15%
	Applicable terrain	Flat pavement road, steps not higher than 0.4in(1cm), and road gap not exceeding 1.2in(3cm)	
	Working temperature	14~113°F ( -10~45℃ )	
	Storage temperature	32~104°F ( 0~40℃ )	

<sup>1</sup> Average battery life: It is tested when the driver weighting 165lbs(75kg) drives at a constant speed of 9.3mph(15km/h) on a flat road in the ambient temperature of 77°F (25℃) in case of a full battery. (Factors affecting battery life include speed, number of startups and shutdowns, kinetic energy recovery setting, driver weight, ambient temperature.)

<sup>2</sup> Maximum Slope: The maximum gradient that driver weighting 165lbs(75kg) gets through at a constant speed of 5mph (8km/h) in the ambient temperature of 77°F (25℃) in case of a full battery.

	A-weighted emission sound pressure level	50dB	
	IP rating	IP54	
Battery pack parameters	Rated voltage	46.8VDC	
	Rated capacity	486.7Wh	365Wh
	Charging voltage	54.6VDC	
	Charging temperature	32~113°F (0~45℃)	
	Battery management system	7th NIU Energy™ smart power tech	
Motor parameters	Rated power	350W	300W
Charger parameters	Input voltage	100-240V~2.0A 50-60 Hz	
	Rated output	53.5V ±2A	
	Output power	108W	
	Charging time	Approx. 6h	Approx. 5h
Tire parameters	Tire technical specifications	9.5"X2.5"	
	Recommended tire pressure	45-50psi	

Manufacturer: Jiangsu Niu Electric Technology Co., Ltd.

Importer: BESENDER INC

Address: 5199 Brooks st. Suite G Montclair CA 91763

Contact

Technical & general support: [technical@niu.com](mailto:technical@niu.com)

Warranty claims: [warranty@niu.com](mailto:warranty@niu.com)

Keep your KickScooter serial number on hand when contacting us.

You can find your serial number on the side of your KickScooter or on the page [manage] in the Niu E-scooter App.

# Certifications

For model: KQi3 Pro,KQi3 Sport



## Federal Communications Commission (FCC) Compliance Statement for USA

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC ID: 2AZ6G-K3C22K

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE: Unauthorized modifications could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.