KuKirin

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KuKirin M4 Max

OPERATION MANUAL

KuKirin

www.kukirin.net

KuKirin M4 Max

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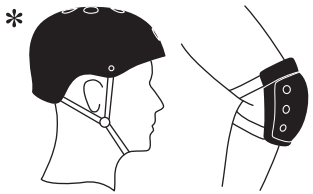

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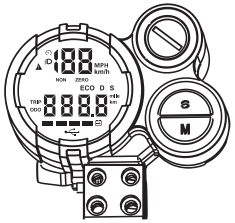

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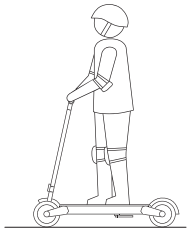

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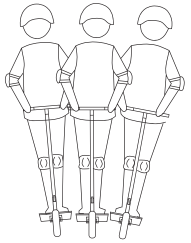

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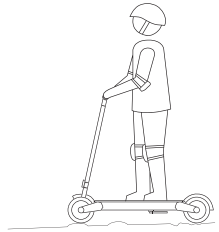

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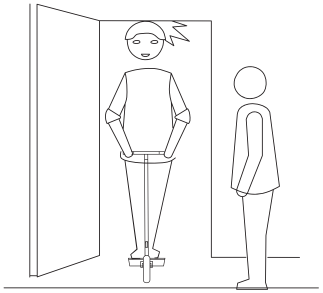

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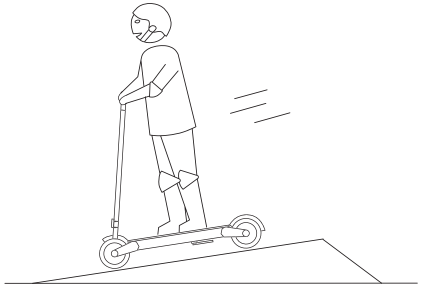

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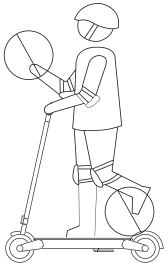

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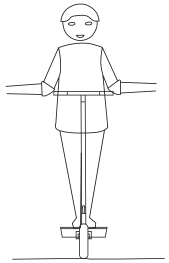

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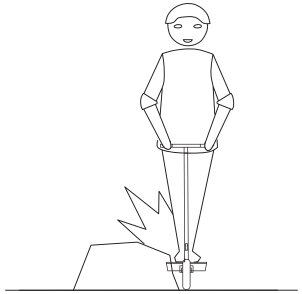

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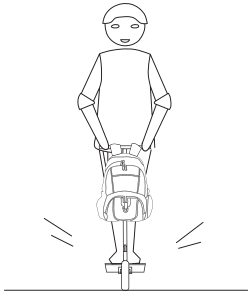

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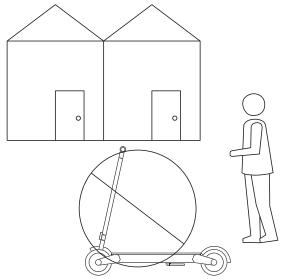

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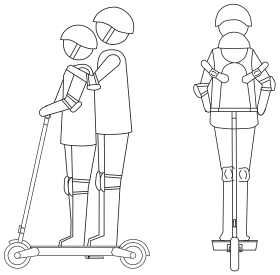

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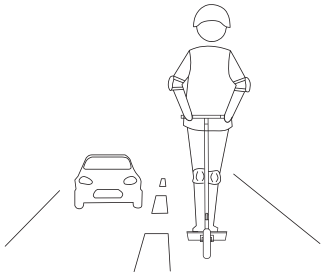

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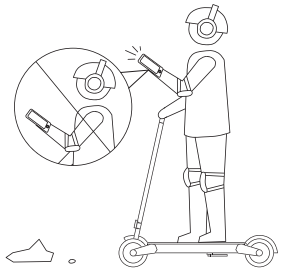

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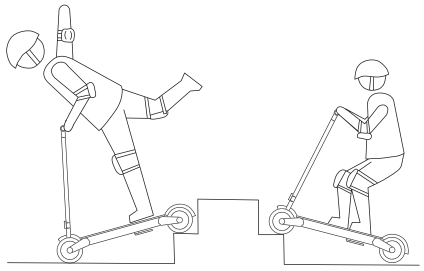

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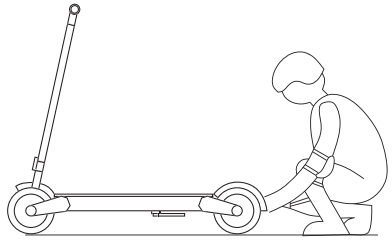

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1.WARNING

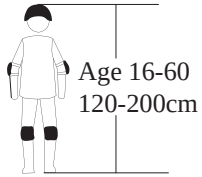
Both this scooter and all of its components comply with all of the European safety laws and regulations. Nonetheless, we recommend that you should take protective measures and ride it responsibly. KuKirin will not be liable for any problem due to misuse of the product itself or failure in compliance with traffic regulations and the instructions herein.

It is of great importance for you to have a thorough understanding of your new electric scooter so that you can experience the best performance, comfort, enjoyment and safety while riding. To know this new scooter and its proper operation, you should read through this manual first. The recommended minimum age of riders should be 16 years old; children aging from 0 to 16 years old are not suitable for this scooter, and children above 16 years old should ride this scooter under constant supervision. Maximum rider weight:120kg; the minimum and the maximum rider heights: from 120cm to 200cm.

It is very important for riders to ride this scooter in a safe and controllable manner for the first time, because the faster the velocity is, the longer the braking distance will be. Please anticipate your trajectory and velocity while observing road rules, sidewalk rules and the most fundamental rules, and take a good care of yourself and others in all circumstances. For example, stay away from vehicles, obstacles and other cyclists while riding this scooter. No rider shall enter highways, motorways or public lanes, reverse their scooters or riding them in the rain. Please slow down and detour when encountering with waterlogged roads. Avoid heavily trafficked areas and cross crosswalks on foot. Please pay special attention to ensure your safety while riding this scooter at night. When approaching pedestrians or cyclists who are not seeing or hearing you, please inform them of your presence in case of either scaring or surprising them.

Scooter belongs to vehicles with certain risks. For the sake of your own safety, please take your health and physical conditions into serious consideration in order to determine if there is any physical or health conditions that may pose a risk to your personal safety or prevent you from riding an e-scooter properly. Do not ride an e-scooter after drinking alcohol, taking drugs or having medicines not suitable for riding e-scooter. Do not ride an e-scooter in any hazardous area with flammable or explosive substances, liquids or dirts. Do not use cellphone or headphones while riding an e-scooter. Any load on the handlebars will compromise the scooter stability. It is necessary for you to know the traffic rules concerning e-scooter riding on local public roads, and you must observe these rules for each of your riding.

This e-scooter has no basic mandatory equipment upon shipment though such situation may vary among regions. As a result, if planning to ride this e-scooter on public roads, you must equip your e-scooter with basic mandatory equipment in accordance with relevant laws and regulations.
This product is designed for your personal use only. Do not apply it to any commercial or other purposes.
Please preserve this manual well for further reference.
All figures and pictures herein are for reference only. Please refer to the authentic product for details.



When riding a scooter, please wear protective equipment such as a helmet, knee pads, elbow pads, wrist guards, etc., all the times to reduce the risk of injury.

2.PRECAUTIONS

Please check the tire pressure before riding this e-scooter; its handlebars should be properly and securely installed. Please make sure that its battery have been fully charged. If its battery capacity becomes low during your riding process, please keep this e-scooter moving slowly and smoothly. Please charge your e-scooter as soon as possible.

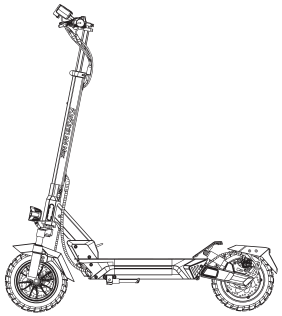
Please check the charger, the cable and the plug before each charging operation. Do not use the charger if there is any damage. The braking distance on a wet road is usually longer than that on a dry road. As a result, riders have to brake as early as possible so as to realize a safer stop.

Cross protected passageways on foot. Avoid and eliminate all sharp edges arising from riding process. You shall try to avoid riding this e-scooter on a rainy, stormy or snowy day. Damp or flooded electrical modules (Control unit, engine and battery) may be subject to an irreversible damage and even result in battery explosion. This product can only be rode by one adult at one time. Please do not pick up any extra passenger. If you are uncomfortable or subject to alcohol or medicine, please do not ride this e-scooter.

Please do not conduct any acrobatic performance by this e-scooter because it is not designed for such performance. Do not refit or re-mold this e-scooter, including its steering tube, bushing, rod, folding mechanism, rear brake, etc. This vehicle is not a toy. As with any other vehicle, this scooter are subject to the probabilities of falling down, colliding or encountering with other dangerous circumstances. Do not lend your e-scooter to anyone without knowing how to ride it properly. If you allow others to ride your e-scooter, it will be is your responsibilities and liabilities to make sure: All of these riders have understood all of its warnings, precautions, instructions and safety precautions; they are able to operate this product in a safe and accountable manner; they can protect themselves and others from harm.

This e-scooter must be kept away from flammable materials and open flames. Do not ride this e-scooter in the rainy day.

3.Packing list

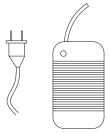




1.User Manual*1



2.Toolkit and screw accessories



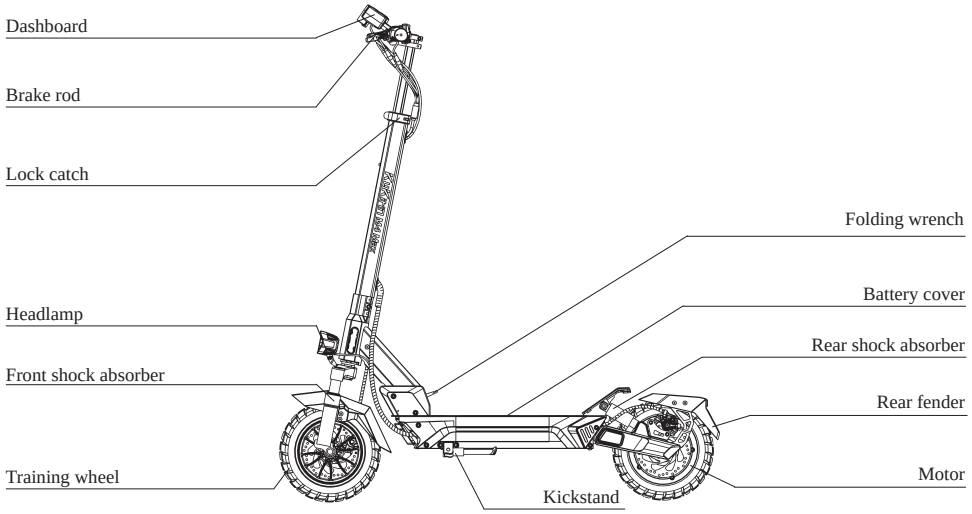
3.Charger*1

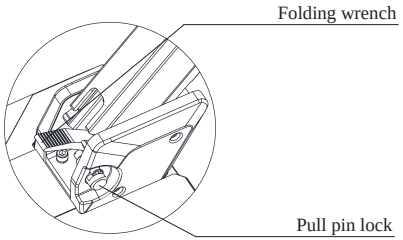
Please scrutinize them in case of any loss or damage. If there is, please contact us without delay.

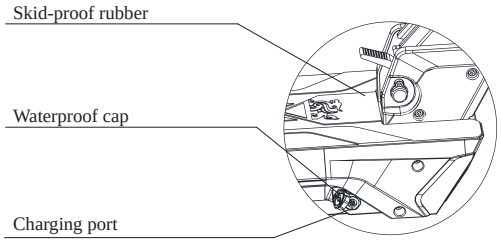
EN

4.Schematic diagrams

Note: Vehicle noise is less than 70 dB.

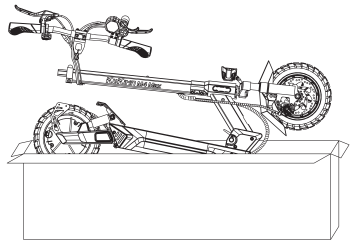




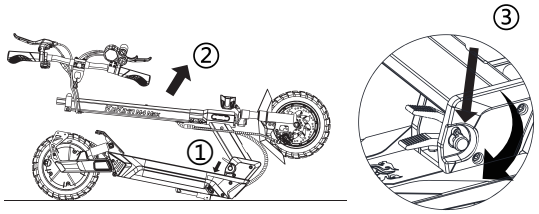


5.Assembly and operation guide

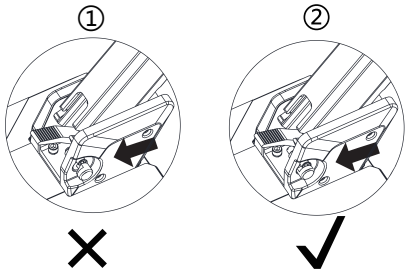
Unpacking and assembly



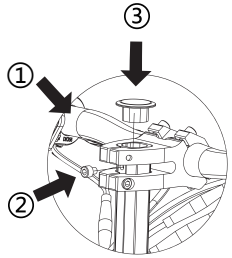
1.Take out the scooter and all of its accessories from the carton, and place it flat onto the ground.



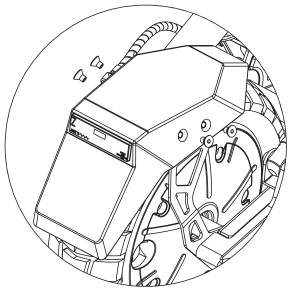
2.①Press the folding wrench by hand, ②Lift the handlebar riser and push it forward hard enough to hear the locking shaft snap into the folding tube, ③Rotate the latch lock to lock the folding wrench.



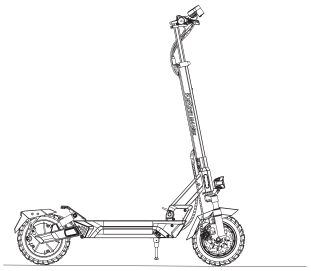
Check whether the latch lock is reset or not,
①Wrong: The rotary latch lock is not reset,
②Correct: The rotary latch lock locks up the folding wrench.



3.①Install the handlebar assembly, ②Install the limit screw, ③Install the sealing cap into the handlebar riser.

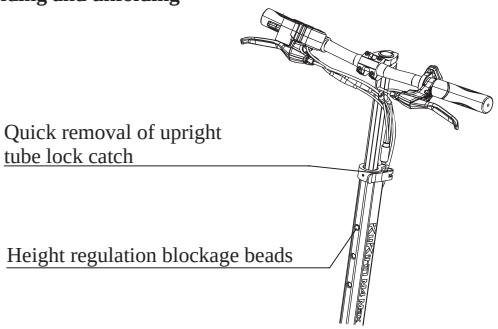


4.Install the rear pedal.

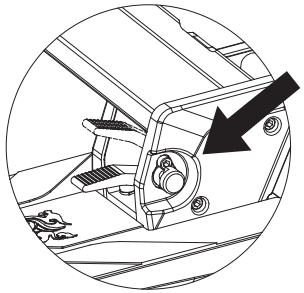


5.Complete the installation.

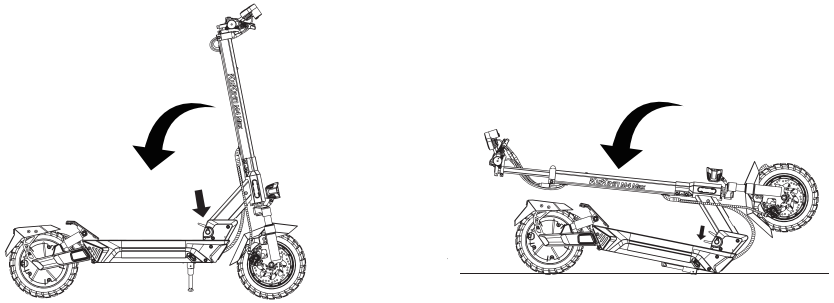
Folding and unfolding



1.Open the upright tube lock catch and regulate the blockage beads to the lowest position.

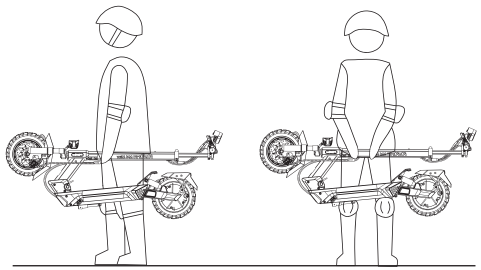


2.Pull the latch lock and rotate it into the position presented in the drawing.

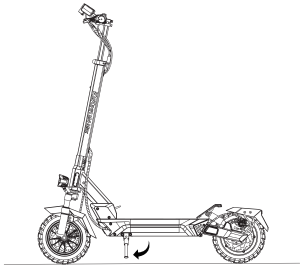


3.Step on the folding wrench and hold the handlebar tube with both hands to pull it inward so as to complete the folding.

Transportation and parking

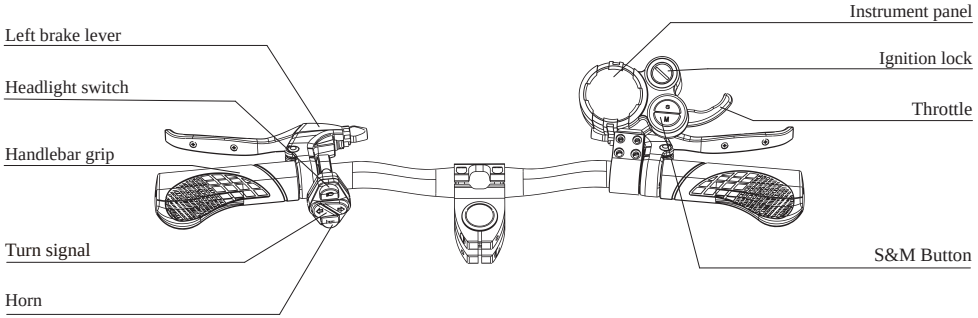


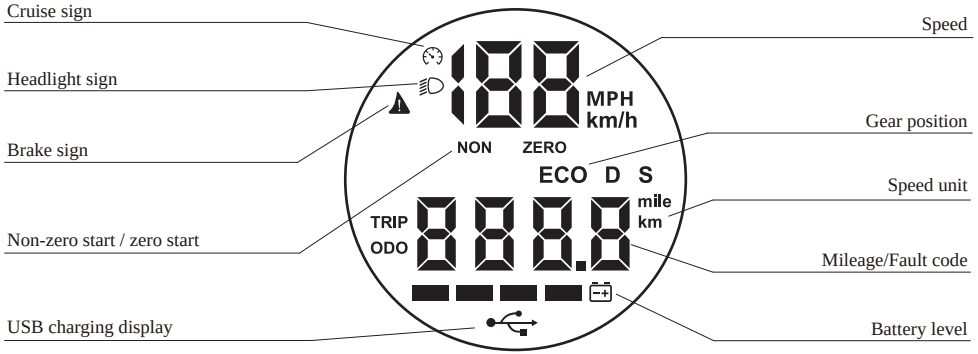
1.Lift the scooter with one or both hands.



2.After riding the scooter, please release the kickstand and park it in the correct place.

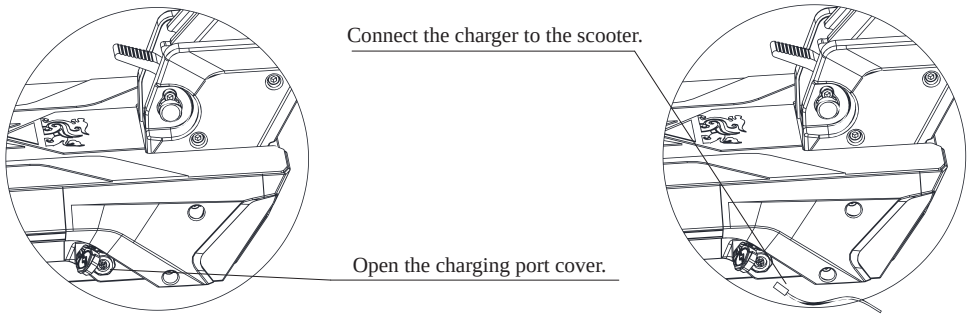
6.Dashboard and switch group





Icons	Names	Operation & Meaning
S	Function button	⚠ After startup: Single click to release P gear, Single click to view data.
M	Gear shift	Single click to toggle speed modes (Display: ECO/D/S).
	Headlight switch	Single click to activate headlights + ambient light, Double click to cycle ambient light modes.
⚠	Brake indicator light	The icon lights up to indicate that the brake status is activated.

7.Charging



Warm tips: The charger indicator is red during its charging process, and it will turn green after it is fully charged. Please charge the battery to its maximum capacity before the initial utilization. You are suggested to charge the battery after each use and before it is used up. An excessively low voltage may shorten the service life of battery.

Important prompts: Please only adopt the original charger provided by KuKirin rather than any other charger to charge this scooter. The scooter must be turned off during the charging process. Plug the charger into a power socket range from 100V to 240V so as to charge the battery at a room temperature range from 0°C to 35°C.

Do not burn the battery or expose it to a high temperature, because it may explode. Do not charge the scooter via a charging port, charger or power socket in a humid environment. Once the battery gets damaged or comes into contact with water, do not charge or continue using the battery. A battery under extreme conditions may leak. If the leakage should come into contact with skin, please rinse it immediately with soap water; if the leak should get into eyes, please rinse them immediately with pure water for at least 10 minutes and simultaneously seek for medical aid.

Do not refit the charger in any way. Prevent the battery away from small metal objects, such as paper clip, coin, key, nail or screws. Avoid swallowing the battery cells by mistake. If they are swallowed, please seek medical aid at once.

The battery must be embedded at the correct position. If the scooter is in idle for a long time, the battery shall be removed. Please tighten the rubber plug in the charging port when the scooter is not being charged. A scooter under charging shall not be rode.

8.Riding precautions

ATTENTION:
Do not exceed the maximum load bearing capacity of the scooter (Please refer to technical specifications).
Footwear requirement: Riders must always wear shoes when riding this e-scooter.
Compliance: Check and observe local regulations concerning e-scooter riding.

Driving:
Insert and rotate the key, then press and hold on to the power button for three seconds to start the e-scooter;
Stand on its foot board with one foot in front and the other foot on the ground. Gently push the e-scooter forward and then press the throttle to accelerate. Slow down or stop the e-scooter by brake rod.

Braking method:
Gently pinch the brake rod to slow down the e-scooter gradually so as to avoid a sudden braking.
Please start braking in advance because the braking distance will extend in wet and slippery weather conditions.
Combine braking and deceleration to control the e-scooter velocity and ensure your safe driving.

Avoid obstacles:
Avoid jumping over those many obstacles, such as curbs or steps in urban traffic conditions.
Judge in advance and adjust the moving trajectory and velocity according to the shape, height or slippery degree of obstacle and keep a certain space away from pedestrians when crossing an obstacle.
When the obstacle becomes dangerous due to its shape, height or slippery degree, riders are recommended to get off and push the e-scooter around the obstacle.

Parking:
Press the brake rod to gradually slow down and stop the vehicle, then stabilize the vehicle and release the kickstand.
Please turn off the power and remove the key after using the e-scooter.

9.Potential safety risk avoidance

Wear a helmet and protective equipment to avoid dangers.（See Figure 1 on page 01.）

Please make sure that all of the display functions on the dashboard are working properly before riding the e-scooter.（See Figure 2 on page 01.）

When pushing the e-scooter forward, please use the throttle cautiously so as to avoid pressing it down to the bottom.（See Figure 3 on page 01.）

Keep the e-scooter well balanced during its starting and stopping process, and pay attention to both starting and stoppong safety.（See Figure 4 on page 01.）

Keep yourself well balanced during your riding process, grip the handlebars and speed up in a smooth manner.（See Figure 5 on page 01.）

Turn the handlebars slowly and tilt their center of gravity when turning to avoid a sharp turn.（See Figure 6 on page 01.）

E-scooter riding is not advisable in a rainy day or flood condition.（See Figure 7 on page 01.）

Avoid over-speeding on speed bumps and other bumpy roads. Slow down and bend your knees slightly to adapt to complicated road conditions better.（See Figure 8 on page 01.）

Be careful not to hit your head when passing through doors or collide with a tall object.（See Figure 9 on page 02.）

Please control your velocity when going downhill.（See Figure 10 on page 02.）

Avoid tires coming in contact with larger obstacles.（See Figure 11 on page 02.）

Avoid carrying heavy loads on the handlebars as it may compromise riding safety.（See Figure 12 on page 02.）

10.Dangerous behavior prohibition

Please observe the local laws and regulations during the riding process.（See Figure 13 on page 02.）

Do not use electronic devices while riding this e-scooter so as to avoid distraction.（See Figure 14 on page 02.）

Please do not ride this e-scooter with only one hand or foot.（See Figure 15 on page 03.）

No rider shall ever ride this e-scooter without holding the handlebars.（See Figure 16 on page 03.）

This e-scooter shall not be charged indoors. Please pay attention to the charging safety.（See Figure 17 on page 03.）

This e-scooter is designed for single person only. Do not pick up passenger or child.（See Figure 18 on page 03.）

Do not ride this e-scooter up or down stairs or attempt to jump over high obstacles.（See Figure 19 on page 03.）

Do not touch the disc brake immediately with your bare hands after riding in case of burns.（See Figure 20 on page 03.）

11.Parameter list

Product name	KuKirin M4 Max	
Dimension	Folded dimension	1190*590*515mm
	Unfolded dimension	1180*590*1295mm
Parameters	Max velocity	≤ 25km/h
	Endurance mileage at a medium velocity	≤ 64km
	Max slope	≤ 20°
	Shock absorber	Front and rear shock absorbers
	Waterproof grade	IP54
	Brake	Front and rear disc brakes + power-off brakes
	Display contents	Velocity, mileage, battery capacity, headlamp, etc.
	Lamplight	LED
	Frame materials	Aluminum alloy
Motor	Voltage	48V
	Rated power	800W
	Peak power	1000W
Battery data	Input voltage	100~240V/50~60Hz
	Voltage / capacity	48V/18.2Ah
	Charging duration	54.6V/2A charger, takes about 9 hours to charge.
Weight	Max load	120kg
	Net weight	About 24kg
Tire	Type	Tubeless tires
	Inch	10 inch

12.Maintenance and repair

E-scooter cleaning:

Clean the main frame with a soft and damp cloth. For persistent stains, apply toothpaste, scrub them repeatedly with toothbrush and wipe them with a soft and damp cloth.

Do not clean your e-scooter with alcohol, gasoline, kerosene or other corrosive or volatile solvents as they may damage its exterior and interior structure. Spray via pressurized washer or hose is strictly forbidden. Before cleaning, make sure that this e-scooter is powered off and free of charging and its charging port is tightly sealed. Otherwise, the cleaning process may compromise its electronic elements or cause water into its battery.

WARNING! Please stop operating this product if it is damaged. This e-scooter will be subjected to high stress and normal abrasion during utilization so the relevant components shall be overhauled in a timely manner according to the Manual. Worn or damaged components or those beyond service lives must be replaced in time so as to avoid riding risks.

Daily maintenance:

Check the tire pressure regularly and maintain a proper pressure.

Make sure that both brakes are functioning properly.

Scrutinize the tightness of all screws and nuts.

Wipe this e-scooter surface with a clean cloth so as to prevent water from entering electronic elements.

Battery maintenance:

When charging this e-scooter or leaving it in idle, please turn off its power and avoid full discharge.

When leaving this e-scooter in idle for a long term, please store it in a safe place. Keep its battery capacity above 50% and charge it at least every 3 months. Avoid using and storing its battery at an extreme temperature.

Charge this e-scooter via its original charger and avoid battery damage or fire risks.

Regular overhauling:

Scooter frame, front fork and suspension: Check scooter frame, front fork and suspension components (If any) regularly so as to ensure that there is no damage.

Monthly overhauling is recommended especially when it is rode frequently. Refill a small amount of white lubricant grease or oil into its folding mechanism for maintenance for every 6 months.

Storage:

Please store the vehicle in a flat, stable, well-ventilated and dry venue.

Avoid exposing this e-scooter directly to sunlight or in other excessively humid places for a long term. Keep this e-scooter clean.

WARNING! Please place the vehicle packaging and various components in a rational order, and keep them away from children so as to avoid them from swallowing by mistake.

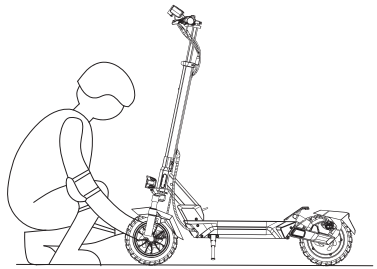
Brake calibration:

If the braking force is too tight:

Loosen the braking arm nut by wrench, slightly lengthen the brake wire to make its tail shorter, tighten the nut, and then test the brake to confirm the braking force.

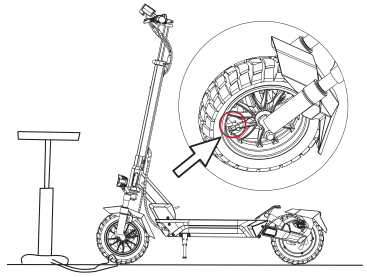
If the braking force is weak:

Loosen the braking arm nut by wrench, slightly lengthen the brake wire to make its tail longer, tighten the nut, and then test the brake to confirm the braking force.



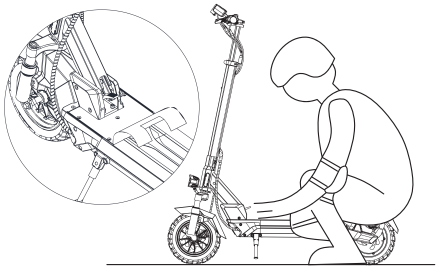
Tire inflation:

If tire pressure is low, please inflate the tire via air pump connector. Remove the valve caps on both front and rear tires, then tighten the extended air pump connectors onto the tire valve. After they are tightened, inflate the tires via air pump.



Replace the foot board grip:

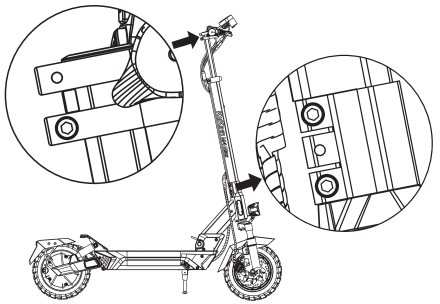
When replacing the pedal leather, just replace it by removing the rubber pad on its surface.



Adjust the head screw:

First check if the front screws are loose. If they are loose, tighten them.

If the front of the e-scooter shakes due to multiple falls or drops, it can be improved by adjusting the above screws.



13.Troubleshooting

Malfunction	Code	Solutions
Motor fault	E-01	Inspect if the motor or the motor wires are damaged or broken or not; if yes, please replace the motor.
Throttle fault	E-02	Replace the throttle and try it again.
Controller failure	E-03	Replace the controller and try it again.
Under-voltage	E-05	There is a low battery. Please charge the battery and try it again.
Panel / controller failure	E-06	Replace the instrument / controller and try it again.
Panel / controller failure	E-07	Replace the instrument / controller and try it again.
Motor is overheated	E-09	Commission the motor again after it cools down.

14.Warranty and client support

Prohibition: Do not adopt any accessory or additional item that are not approved by the manufacturer so as to avoid corresponding problems.

Warranty period:

If this product should fail or be damaged, it can be repaired, replaced or returned free of charge upon confirmation by KuKirin after-sales center. In any of these cases, please contact the product dealer and conduct operation as per instructions. At that time, you need to produce accurate, complete and valid purchase information or invoice.

Customer service:

If component repair or replacement is necessary, please contact our authorized service center or dealer for support.

Warranty coverage:

Warranty contents	Warranty period
Controller, instrument, motor, lithium battery and charger, scooter frame, front body, rear wheel hub, brakes, folding mechanism, telescopic tube, front fork, brake system, throttle dial, etc.	1 year

15. EC compliance declaration

Manufacturer	Jinhua Xingzhi Intelligent Technology Co., Ltd.
Address	Third Floor, Building 1, West Side, No. 159 Xinrong Road, Sumeng Township, Wucheng District, Jinhua City, Zhejiang Province, China
Description	Electric dual-wheel scooter, KuKirin
Additional information	M4 Max Electric Scooter
Declaration	The contents concerning this declaration comply with the requests of the EU directives as follows: Comply with the Machinery Directive (2006/42/EC): EN ISO 12100:2010, EN 60204-1:2018. Comply with the Low Voltage Directive (2014/35/EU): EN 17128:2020. Comply with the EMC Directive (2014/30/EU): EN IEC 55014-1:2021, EN IEC 61000-3-2:2019+A1:2021+A2:2024, EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022-01, EN IEC 55014-2:2021. Comply with the RoHS 2.0 Directive (EU) 2015/863 and (EU)2017/2102: EC 62321-3-1:2013,IEC 62321-4:2013+AMD1:2017,IEC 62321-5:2013, IEC 62321-6:2015,IEC 62321-7-1:2015.IEC 62321-7-2:2017, IEC 62321-8:2017.
Name	Mark Zhang
Company title	Director
Signature	Mark zhang