



M2 PRO

YONG KANG KUGOOO TECHNOLOGY CO.,LTD

Email:haoking@kugooo.com

www.KUGOOO.COM

TEL:0086-579-8718 9555



WARNING: To reduce the risk of injury, user must read instruction manual.

WARNING: Prolonged Exposure to UV Rays, Rain and the Elements May Damage the Enclosure Materials. Store Indoors When Not in Use.

WARNING: Risk of Fire, No User Serviceable Parts.



ALWAYS wear a helmet when riding your Electric Scooter.



Make sure your scooter has a full battery before taking it out to ride.



Always be aware of local road laws, and follow them.



Do not ride the scooter under the influence of drugs or alcohol.



Always respect pedestrians.

Charge: 0~40°C

Operation: -5~40°C

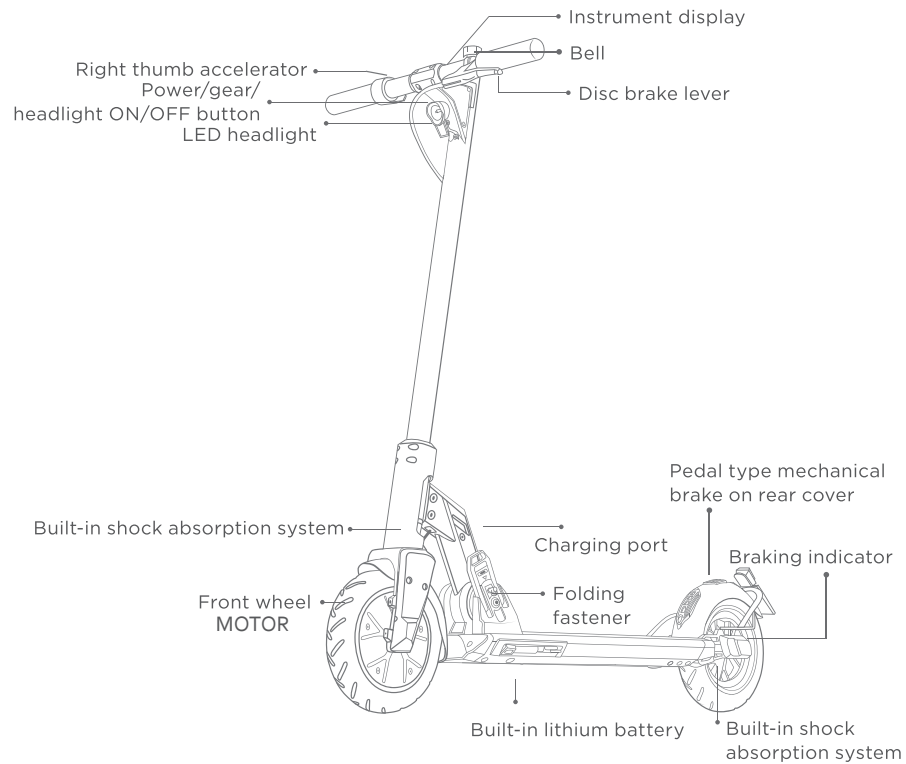
Charger Manufacturer: SHENZHEN XIN SHENGLI POWER SUPPLY TECHNOLOGY CO. LTD

MODEL: XSL88-4200150

Contents

1. Introduction to Functions	2
2. Product & Accessories	3
3. Safety Instructions	4
4. Scooter Assembly	11
5. Unfolding Steps	14
6. Folding Steps	15
7. Charging	16
8. Transportation	16
9. Basic Operations	17
10. Operating Instructions	18
11. Riding Instructions	19
12. Battery and Charger	20
13. Instructions for Mini Program	21
14. LED Display	22
15. Maintenance	24
16. Common Problems and Solutions	25
17. Parameter Configuration	26
18. Product warranty information	27
19. Warranty Card	28

1 Introduction to Functions



*The accessories and any additional items which are not approved by the manufacturer shall not be used.

2 Product & Accessories

This is vehicle is a personal electric scooter with pure electric propulsion.

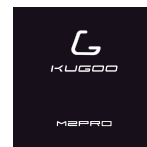
Standard: EN 17128



Body



Accessories



Manual



Screw *2



Screwdriver



Extended inflatable nozzle
(for scooters equipped
with pneumatic tyres)



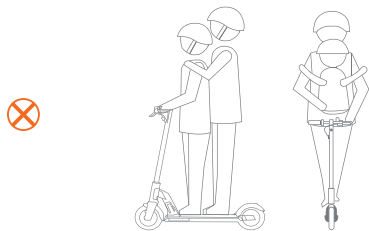
Power adapter

Please carefully check whether the items in the packing box are complete and intact.

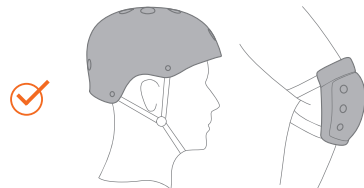
3 Safety Instructions

Note: Before using this product, please carefully read the following important safety information.

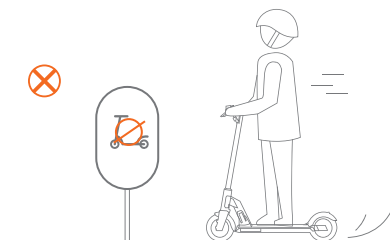
1.This electric scooter can be used by one adult only. Never carry others.



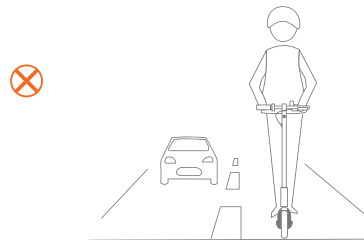
2.Wear safety helmet and other protective equipment while using this product.



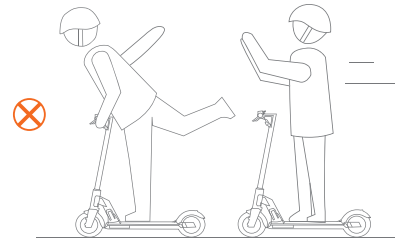
3.Never ride this product in an unsafe or illegal place.



4.Please practice in an open area (not on lanes) first and use this product until you are skilled in operation.



5.Do not make dangerous actions or ride with one hand only. Keep your feet on the scooter.



6.Avoid obstacle jumps and anticipate and adapt your trajectory and speed to those of a pedestrian before crossing these obstacles. Meanwhile, get out of the vehicle when these obstacles become dangerous due to their shape, height or slippage. Do not try to directly pass steps are higher than 3 cm.



7.For your safety, please control the speed to be less than 25 km/h. Avoid using it at night as much as possible. If you use this product at night, turn on the headlight and control the speed to 15 km/h or less.



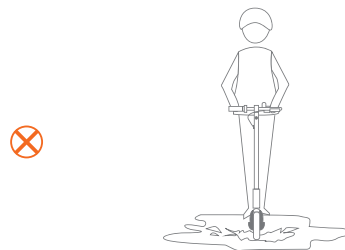
8.Do not use this product at the ambient temperature below -5 °C.



9. In the event of bumps or poor road conditions, please use this scooter slowly or get off the scooter and push it forward.



10. Do not use this product on an oily or icy surface.



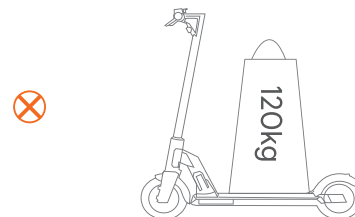
11. To avoid damage caused by water to its electrical parts, Please Do not immerse this product at a depth of more than 4 cm in water.



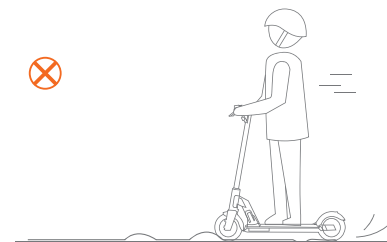
12. Avoid using this product as much as possible in bad weather such as rain, snow and wind, to prevent unnecessary damage caused by insignificant factors.



13. Use this product in accordance with relevant instructions in this manual. Do not use this product beyond the allowable load range.



15. The scooter is a special riding product. Please ride it on smooth roads without pits.



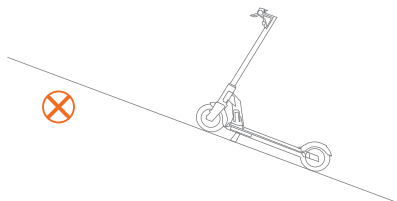
14. Avoid using or keeping this product at high or extremely low temperatures, or keeping this product together with flammables.



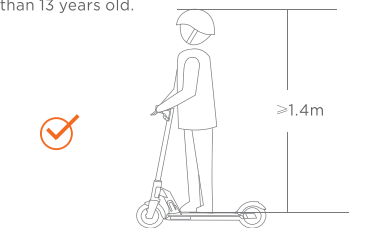
16. Do not load anything to the handlebar which will affect the stability of the vehicle.



17. Engage the kickstand when the vehicle is not in use; Flip up the kickstand before use; Do not park the vehicle on the slope.



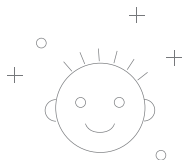
18. The minimum height of the user is 1.4m, while the maximum height is no more than 2.2m; the maximum age of the user is 60 years old, while the minimum age is no less than 13 years old.



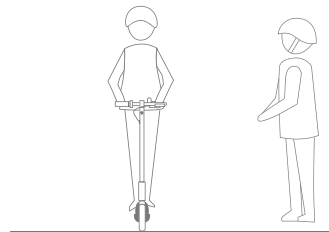
19. Braking performance and friction between the tire and road deteriorates in wet conditions, so it is harder to control the speed and easier to lose control. Slow down and brake early when it is raining.



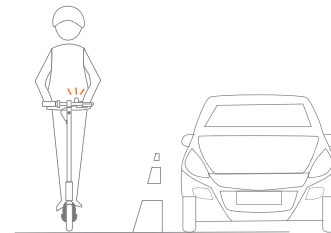
20. WARNING Keep plastic covering away from children to avoid suffocation.



21. The user shall take the time to learn the basics of the practice to avoid any serious accident that can take place in the first month.



22. Notify your presence when approaching a pedestrian or cyclist when you are not seen or heard. Avoid high traffic areas or overcrowded areas.



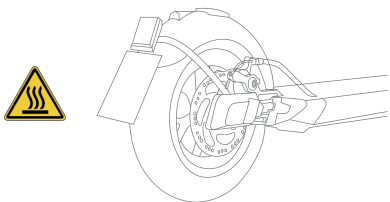
23. Cross the protected passages while walking. In all cases, take care of yourself and others.



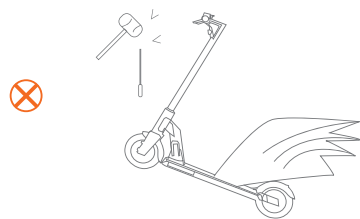
24. Do not divert the use of the vehicle, This vehicle is not intended for acrobatic use.



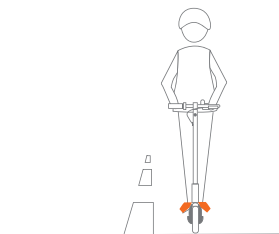
25. Caution, the brake may become hot in use. Do not touch after use.



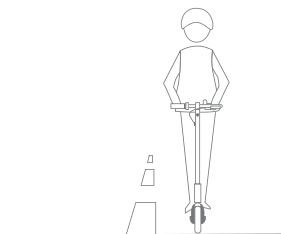
26. Eliminate any sharp edges caused by use. Do not modify or transform the vehicle, including the steering tube and sleeve, stem, folding mechanism and rear brake.



27. The user has the obligation to always wear shoes when riding.

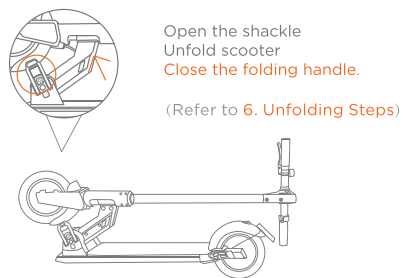


28. In any case, anticipate your trajectory and your speed while respecting the code of the road, the code of the sidewalk and the most vulnerable. If any, local special laws and regulations should be observed during riding of this product.

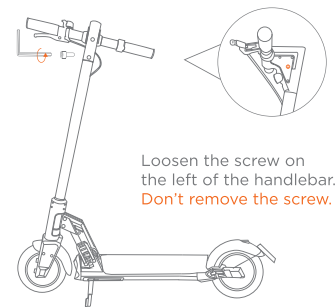


4 Scooter Assembly

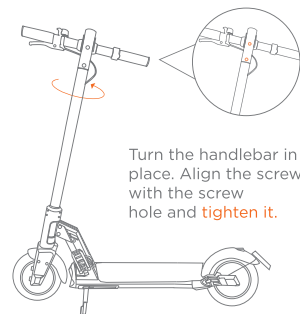
1. Unfold the scooter and open the kickstand.



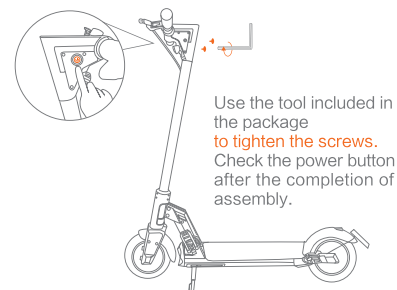
2. Loosen the left screw of the handlebar.



3. Align the screw with the screw hole and tighten it.

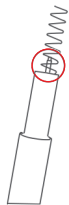


4. Tighten the screw with the tool included in the package. After the assembly is finished, check the power button.



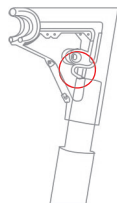
HEAD MOUNTING

01



1.pull the spring out, you can find the connecting wire

03



3.Please must be ensure all wires inside of the head are unhindered before insert the front support pole into the head of the scooter, otherwise, it is easily to cut the wire when inserting.

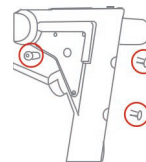
02



2.Take out the head of the scooter, you can find two connecting wires,please alignment connection according to the mark on the joints,and then,please insert the front pole into the head of the scooter

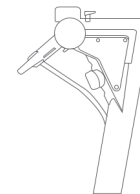
HEAD MOUNTING

04



4.Please check the holes on the head of the scooter and on the support pole are on same place or not before screwing and fixing it

05



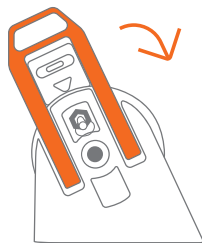
5.After installing all steps as above mentioned, it is same as the photo

5 Unfolding Steps

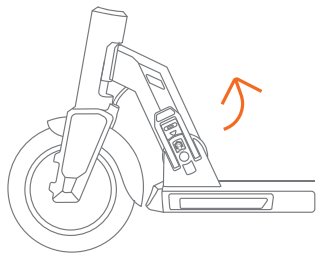
1.Push up the shackle.



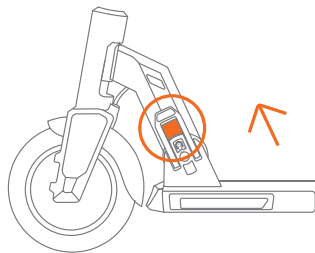
2.Pull the folding handle downwards and outwards.



3.Lift the head of the scooter.



4.Close the folding handle upwards.



6 Folding Steps

Note: For your safety, it is recommended to fold the scooter after turning off the power supply.

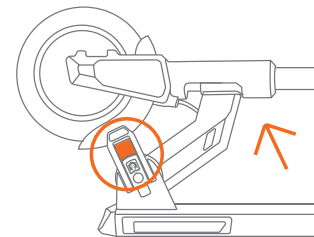
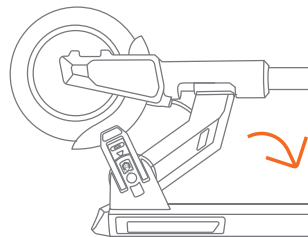
1.Push up the shackle.



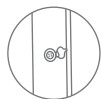
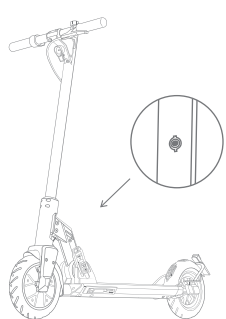
2.Pull the folding handle downwards and outwards.
Then pull the folding handle outwards.



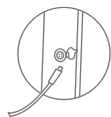
3.Lower the head of the scooter to be horizontal. 4.Close the folding handle upwards.



7 Charging



Remove the rubber protective cover of the charging port.



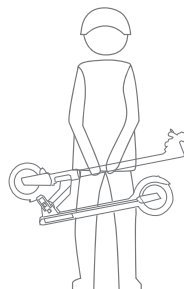
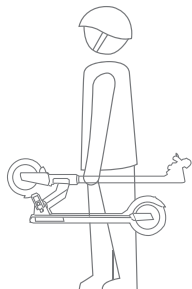
Connect the charger.



After charging, push the rubber protective cover back in

- 1.Remove the rubber protective cover, and insert the charger connector into the charging port of the body.
- 2.Insert the power plug of the charger into the power socket.
- 3.When the charger indicator is red, it indicates that the battery is being charged. When the charger indicator turns green, it indicates that the battery has been fully charged.
- 4.Requirement to power-off the vehicle during charging, or into a certain non-operational mode.

8 Transportation



After folding, you can carry the scooter with one or two hands.

9 Basic Operations

(A) Power Button

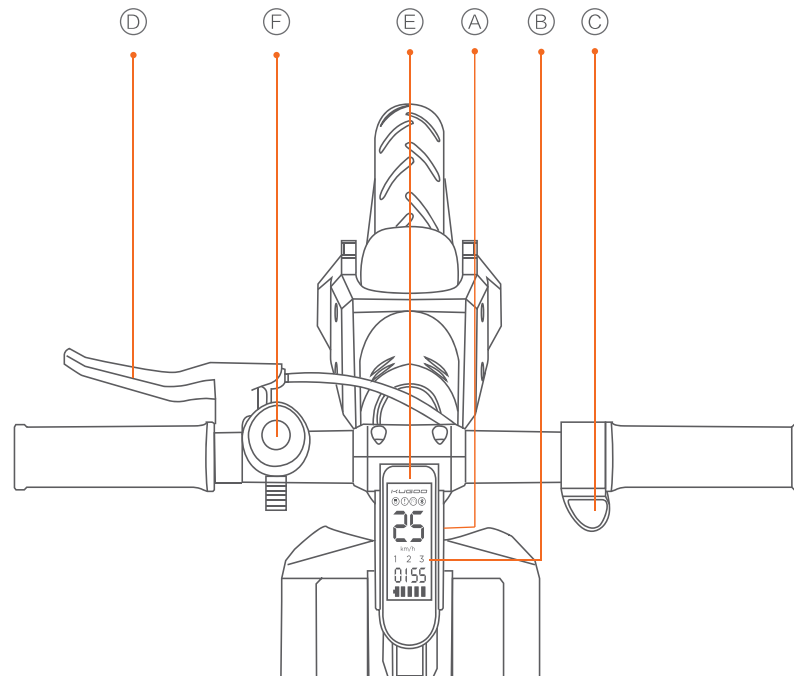
(B) Gear Indicator

(C) Speed Control

(D) Brake Lever

(E) Instrument Display

(F) Bell



10 Operating Instructions

Power button

Press and hold the power button for 1s to turn on the scooter and for 3s to turn off the scooter.

Gear setup

Press the power button twice quickly to switch the gear. The gear can be set to Level 1 (max. 6 km/h, The pedestrian mode), Level 2 (max. 16 km/h), and Level 3 (max. 25 km/h).

Speed control

The accelerator will not take effect until the scooter slides at a speed of 3 km/h or above. Press the right thumb accelerator to control the speed (1-25 km/h).

Brake control

Hold the left brake lever to brake. The greater the holding force, the greater the braking force. The indicator will blinking under the condition of braking.

LED headlight ON/OFF button

When the scooter is ON, Press it to turn on or off the headlight .

Emergency brake

Step on the rear brake with your feet in an emergency. You can enable the friction brake of the rear wheel and electromagnetic brake of the front wheel at the same time. Under normal circumstances, the rear emergency brake cannot be enabled forcibly during high-speed running, to avoid riding risks or damage to the rear wheel. The company is not responsible for such damage but will provide paid repair services.

Tyre pressure

Before riding, please make sure the tyre pressure is no less than 2.8KPA. Otherwise, the mileage will decrease each time. The tyre pressure may also be under the standard value, if the scooter is unused for a long time. (This is applicable for the scooters equipped with pneumatic tires.)

Cruise control

The scooter is not initially configured with the cruise control speed. If necessary, open the mini program and select the cruise control speed. When the scooter is running at the constant cruise control speed, the cruise control will be enabled. After the cruise control is enabled, you can release the thumb accelerator, and the scooter will automatically run forwards at a constant speed. Hold the left brake lever to disable the cruise control. When the speed of the scooter reaches the set cruise control speed, the cruise control will be enabled again.

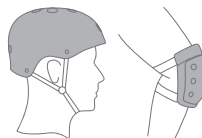
You can set the status of no cruise in the mini program to disable the cruise control function.

Noise emission

The A-weighted emission sound pressure level of the vehicle in operation is less than 70 dB(A).

11 Riding Instructions

Preparation for riding

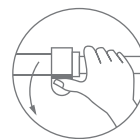


1. Select an appropriate riding place.
2. Unfold the scooter according to the unfolding instructions and wear protective equipment.
3. It is necessary to check that the steering system is correctly adjusted, that all connection elements (such as a folding system) are correctly tightened and not broken, and that the brakes and wheels are in good condition.



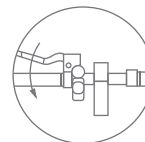
Riding

1. Press the power button to turn on the scooter.
 2. Put one foot on the footboard and the other foot on the ground.
 3. Make the scooter body slide forwards to 3km/h and gently press the right thumb accelerator. The scooter will slowly run forwards. When the scooter is running steadily, put the other foot onto the footboard. The larger holding angle of the right thumb accelerator, the higher the speed.
- Note: For the riding safety, M2 has a non-zero start mode. The accelerator cannot be enabled until the body slides forwards for a certain distance.



Stop

1. Under normal circumstances, if you hold the left brake lever, the motor will be immediately powered off and subject to braking. The greater the holding force, the greater the braking force.
2. Under emergency conditions, you can step on the rear brake to simultaneously enable the electromagnetic brake of the front wheel and friction brake of the rear wheel.



12 Battery and Charger

Each M2 electric scooter is equipped with a dedicated lithium battery and smart charger. Both the scooter and its accessories have product identification numbers. It is forbidden to use the chargers of other brands. The chargers provided by the company must not be used for other purposes. The company is not responsible for the resultant damage to the battery or charger.

Battery

The lithium battery provided by the company can be recharged for at least 800 times, and more than 1,000 times under normal circumstances. Please charge full battery for the first time before using it. The battery can be charged at any time, and there is no any damage to charge it frequently. Meanwhile, please don't forget to charge it per 3 months if you don't use it for a long term.

Charger

The dedicated charger provided by the company has a function of charging protection. When the battery is 100% charged, the charger will be powered off automatically. The charging time is about 4-5 hours. Damage to the battery arising from water, collision and other abnormal factors is excluded from the warranty policy.

Charging instructions

1. Open the rubber and insert the plug into the hole;
2. Insert another plug of the charger into the electric outlet;
3. When the indicator lamp is red, it shows the battery being charged; When the lamp turns green, the battery is finished charging.
4. Please shut down and keep away from water before charging.
5. Only use the specified charger for charging.
6. Warning: Please be careful not to get electric shock.

Kinetic energy recovery

Press the brake in the running process to enable the kinetic energy recovery system and convert part of kinetic energy into electrical energy to be stored and used. The kinetic energy recovery system can enhance the experience of emergency braking. At the same time, the recovered kinetic energy can help increase the endurance. Changes in the power are displayed simultaneously.

13 Instructions for app

① Mini program installation

SCAN DOWNLOAD APP

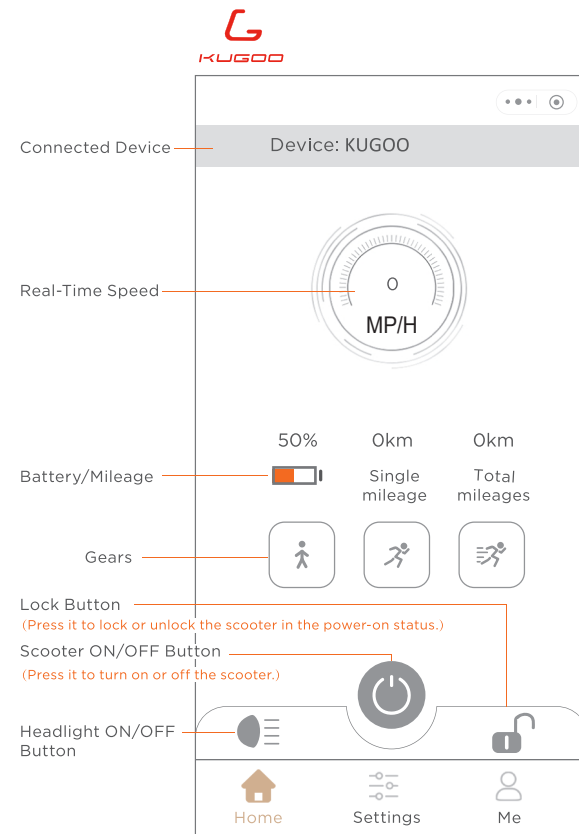


Scan the QR code to open the program

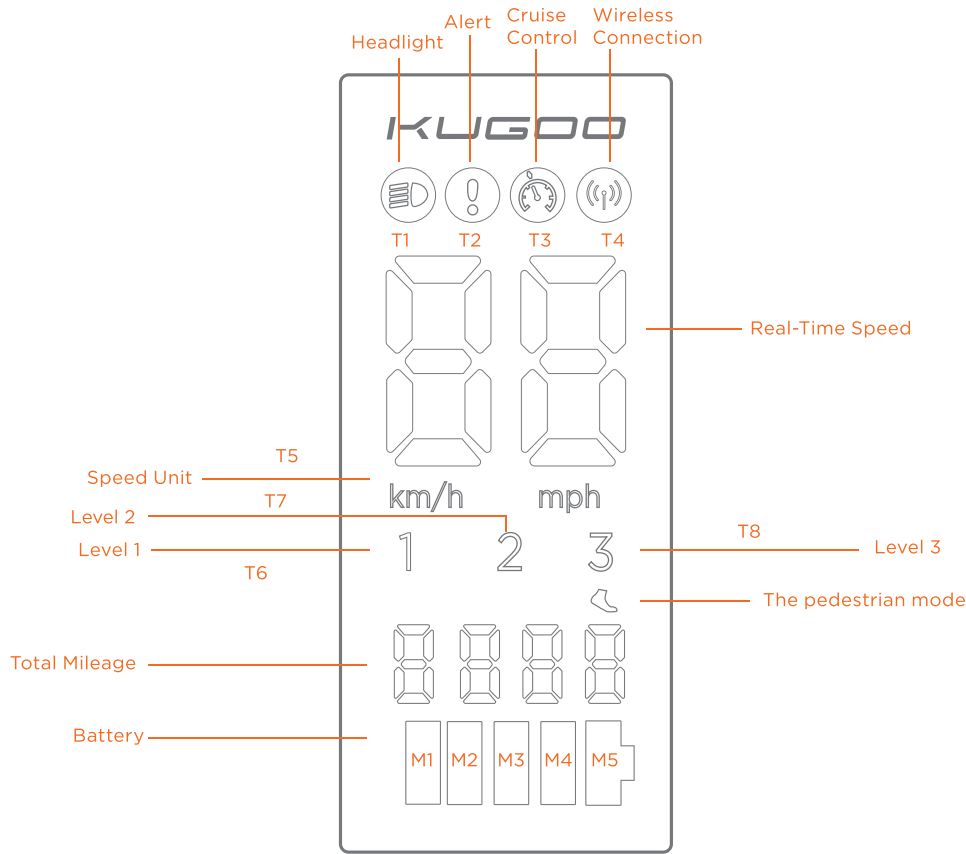
② Enable the wireless connection (BT) of the mobile



③ Connect the device according to the prompts.



14 LED Display



Instrument ON/OFF

OFF mode:
press it to turn on the instrument.
Running mode:
press and hold it to turn off the instrument.

Headlight ON/OFF
Running mode: short-press it.
Cycle: On → OFF → ON

Gear switching
Running mode: double-click it.
Cycle: Level 1 → Level 2 → Level 3 → Level 1.
The last level enabled will be stored after shutdown.

The alert indicator T2 flickers, and the displayed value (E1-E6) also flickers.

Fault	Code	Solutions	
Communication failure	E1	Check whether the brake taillight is ON. If the brake taillight is not ON, it indicates that the controller is not powered on. Replace the controller or instrument. If the brake taillight is ON, check the connecting cable between the instrument and controller for an open circuit.	
Brake failure	E2	Check whether the brake is pressed.	If the brake is pressed, release it.
		If the brake is not pressed, check the connecting cable between the brake and instrument for a short or open circuit.	In the case of an open or short circuit, replace the connecting cable. Replace the brake lever.
Thumb accelerator failure	E3	Check whether the thumb accelerator is pressed.	If the thumb accelerator is pressed, release it.
		If the thumb accelerator is not pressed, check the connecting cable between the accelerator and instrument for a short or open circuit.	In the case of an open or short circuit, replace the connecting cable. Replace the thumb accelerator.
Motor failure	E4	Check whether the motor and controller are connected via a cable.	If the motor and controller are not connected, connect them via the cable. If the motor and controller are connected, disconnect the cable, measure the internal resistance of three phase cables of the motor, and check whether it is within a reasonable range (usually 0.1Ω-1ff). If the internal resistance is beyond the reasonable range, replace the motor.
Controller failure	E5	If the controller is damaged, replace it.	
Motor over-temperature	E6	Check the motor for over-temperature.	In the case of motor over-temperature, wait until the motor is cooled to the working temperature.
			If the motor temperature is normal, check the connecting cable between the motor and controller for a short circuit. If there is a short circuit, replace the connecting cable.
Over-speed alert	Flicker	Reduce the riding speed.	

15 Maintenance

Lubrication

For maintenance, add a small amount of white grease or lubricant to the folded part once every six months. Check the scooter once every three months for screw loosening. Tighten the loose screw.

Battery

When you get the electric scooter for the first time, please fully charge the battery before using the scooter. The battery can be charged at any time to ensure the power supply. It will not be damaged during charging. When not in use, the battery needs to be charged once every three months.

*Laboratory data

Storage and daily maintenance

Avoid leaving scooter under direct sunlight or in severely humid places for a long time.

Keep the scooter clean.

Regularly check the tightening of the various bolted elements, in particular the wheel axles, the folding system, the steering system and the brake shaft.

Cleaning Recommendations

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.

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.

Routine Inspection

1. Before riding, please confirm the folding mechanism is locked;
2. Please check whether the tires are badly worn. Please contact the local authorized dealer if they need to be replaced;
3. Please check whether the tire pressure is at the standard value. If the tire pressure is too low, please inflate the tires immediately;
4. Please check whether the wear condition of the brake pad affects the use of the brake system. If so, please contact the local authorized dealer to deal with the problem;
5. The screws used in this product are self-tightened screws. Please note that the effect may be gone after several times of tightening.

16 Common Problems and Solutions

If this product fails, try the following solutions:

1.The display is black.

Cause: This product is subject to long-time exposure to sunlight.

Solution: Keep this product in the shade for some time to recover.

2.The displayed value is inconsistent with the actual value.

Cause: Parameters are set improperly or lost.

Solution: Press and hold the power button to turn off this product and then press it again to restart the scooter.

3.The displayed value is dim.

Cause: The battery is in poor contact or exhausted.

Solution: Turn off the power supply and then turn it on again. If this problem still occurs, contact the manufacturer or dealer.

4.If this product does not work properly, perform the following check.

- a. Check whether the power supply is turned on.
 - b. Check the power of the battery via the display.
 - c. Check whether the left brake lever and rear brake are in their original positions.
 - d. Check whether all jacks and connecting holes are connected accurately.
- If the aforesaid steps are finished but the product is still not working properly, contact the manufacturer or dealer.

5.The screw connecting the handlebar and vertical rod is loose.

Cause: The lock screw of the handlebar and vertical rod is loose.

Solution: This lock screw is a spare screw that is loose by default during delivery. It does not affect the normal operation of the product. The user can tighten this lock screw as required.



As shown in the figure

The mechanical vibrations transmitted by the Electric Scooter are less than 2.5 m/s². The uncertainty of measurement is 1.5m/s².

6.Braking Distance 2.5m

The braking distance of this product is measured under the conditions of 75kg loading, 24°C temperature, 55%-65% humidity, 2.9 bar tire pressure and asphalt pavement.

17 Parameter Configuration

Parameter	Product name	KUGOO Scooter
	Model	KUGOO Scooter M2 PRO
Size	L * W * H	43.3*43.3*20.47inch
	Packing	43.3*8.07*16.73inch
Weight	Net weight	15kg
Status	Maximum load capacity	40-120kg
Main parameters	Maximum hourly speed	15.5 mp/h
	Full-battery endurance	25-30km (depending on the environment, angle, speed, driving habits and other factors)
	Maximum slope	15%
	Scope of application	Smooth road surface, with protrusions of less than 2 cm and depressions of less than 3 cm
	Tyre	8.5-inch pneumatic tyre (Tire pressure range: 2.8-3.0Kpa)
	Shock absorption system	Spring shock absorption + hidden shock absorption + tyre shock absorption
	Dustproof and waterproof rating	IP54
	Brake system	Motor brake + disc brake + pedal brake
	LED display	Speed, kilometers, gear and time
	Lighting system	LED high-brightness headlight
Charging parameters	Motor power	300W
	Adapter Rated input voltage	100V-240VAC 50/60Hz
	Lithium battery	42V-7.5AH
	Charging time	4-5h

18 Product warranty information

Product warranty information

Type	Warranty items	Warranty period
Controller	Controller assembly and intermediate instrument board	One year
Lithium battery	Lithium battery pack and protective board	One year
Body	Frame assembly, hub motor, head body, rear hub, brake assembly, folding assembly, vertical rod, front fork, rotary part of front fork rod, control bus, and brake cable	One year
Accessories	Charger, brake lever, and thumb accelerator	Six months

Tips: Consumables such as the inner and outer tyres, headlight assembly, instrument cover, handlebar cover, fender, rear taillight, decorative cover, kickstand, charger port holder, rubber protective cover and accompanying tool kit are not covered in the warranty policy.

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.

Recommendation not make any modifications that are not noted in the manufacturer's instructions.

19 Warranty Card

While purchasing the product, please clearly fill out the following information, and make this card stamped with the vendor's seal, in order to guarantee your legitimate rights and interests.

User information	Name		Email	
	Address			
	Tel		Postcode	
Product information	Product name		Sales date	
	Product model		Invoice number	
Vendor information	Name		Tel	
	Address		Postcode	

Notes: (1) This form should be stamped by the vendor. (2) For the products involving “Three-guarantee” (for repair, replacement or compensation of faulty products), this warranty card is equivalent to a “Three-guarantee Certificate”. (3) The maintenance record should be subjected to the maintenance certificate issued by the authorized service agency, and kept properly after you have applied for services.

*Get closer to your seller so he can refer you to an appropriate training organization.

*Please contact your local dealer for customer services.

Please attach dealer's information, including company name, address and customer service number.