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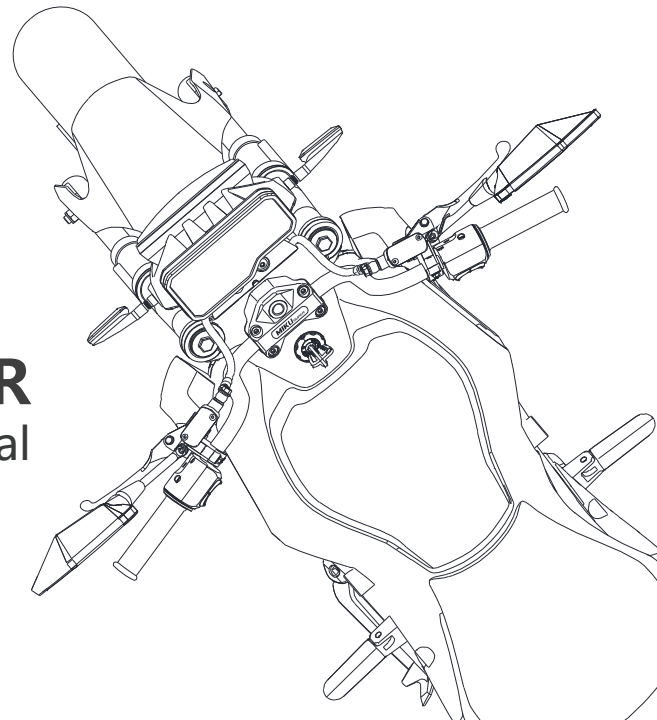
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# MIKU SUPER

## Owner's Manual



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#### **WARNING!**

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FOR YOUR OWN SAFETY, PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATING THIS VEHICLE. ONLY OPERATE THE VEHICLE UNTIL YOU HAVE COMPLETELY AWARE OF ADEQUATE KNOWLEDGE OF CONTROLS AND OPERATION FEATURE AND YOU HAVE BEEN TRAINING IN SAFE AND PROPER RIDING TECHNIQUES. PERIODIC INSPECTIONS, WELL MAINTENANCE AND GOOD RIDING SKILLS, WILL ENSURE YOUR SAFETY RIDING AND INCREASE THE PRODUCT RELIABILITY OF THIS VEHICLE.

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## **01 USER INSTRUCTIONS**

**Thanks for your purchasing of this vehicle. This model is designed for safety, built for durability, and perfected for daily street use. The unique vehicle design, enrich of stylish and personality, represents your outstanding taste and favor to pursue the state of the art living attitude.**

This manual describes the correct usage of this motorcycle including safety riding, simple inspection methods and so on. For a more comfortable and safety riding, please read this manual carefully before riding and make sure you are always following the requirements below:

- Fully understand the information in this manual, including but not limited to the relevant instructions, precautions and warnings.
- Fully understand the operation & contingency measures of electric scooters.
- Be fully aware of warning labels of electric scooters.
- Modifying the scooter and/or removing original equipment and/or safety decals could make this scooter unsafe for operation.
- Please consult your dealer if you have any questions concerning this manual. Wish you safe and pleasant riding experience!



## 02 SAFETY INSTRUCTION

**THE VEHICLE IS TWO WHEEL SINGLE TRACK VEHICLE. IN ORDER TO ENSURE THE SAFETY OF YOU AND OTHERS. TO REMIND OF OPERATOR, WHO SHOULD KNOW THE FOLLOWING REQUIREMENTS BEFORE RIDING. HE OR SHE SHOULD:**

### **Driver**

- Well trained and familiar to all the aspects of vehicle operation.
- Obtain qualified training & legal license for operation of this vehicle.
- Well and professional maintenance service for operator and certificated repair shop/dealer to acquire good mechanical conditions of vehicle.

### **Safe Riding**

- Always pre-check your vehicle before riding is important to prevent an accident.
- Please follow the maximum loads limited of operator and passenger.
- Observe traffic regulations and traffic signs and confirm the surrounding road conditions and bike conditions at any time, so as to actively avoid danger.



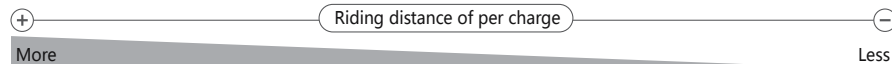
### **Therefore**

- Driving after consuming alcohol or illegal drugs is strictly prohibited.
- Always wear an approved helmet and protective clothing that cover your legs, ankles and feet.
- Please DO NOT use high beam in good lighting conditions. The continuous use of high beam will cause the visual disturbance to vehicles & pedestrians on the opposite side, thus affecting normal driving.
- Please do not make or answer any call during riding, which is likely to cause traffic accidents.



## 03 PERFORMANCE

The performance of an electric scooter is different from gasoline engine driven or human powered vehicles. It's very important to understand how the electric scooter MIKU Super works before riding.



Route			
	Low Speed		High Speed
	Fewer Stops		Stop & Go
	Flat		Elevation Changes
	Smooth Pavement		Soft Gravel
Rider			
	Modulated Riding		Aggressive Riding
	Streamlined		Fully Upright
	Reduced Cargo		Heavier



Weather			
Warm Weather			Cold Weather
No Wind			High Head Winds
Dry Roads			Slippery Roads
Scooter			
Inflated Tires			Underinflated Tires
Balanced Power Pack			Unbalanced Power Pack

In practice, the range is largely influenced by the driver's weight and the additional load, weather conditions, road conditions, the way it's driven, the number of starts(e.g. on crossings), the condition of tires( especially their inflation), batteries wear and tear and many other factors. In extreme conditions, the range can be reduced to less than 50% of the indicated value.

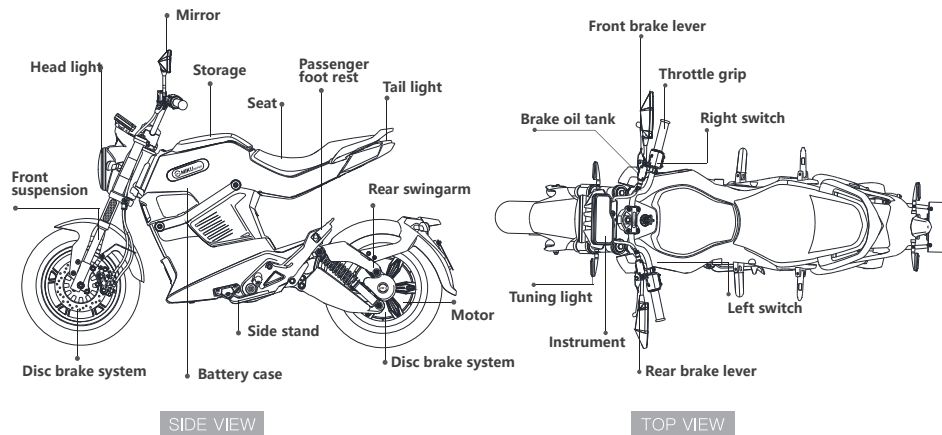
### IDEAL CONDITIONS

Flat terrain, constant speed, no full load, no headwind, correct tire pressure, driver weight < 70kg, no payload, approx. 20°C ambient temperature.



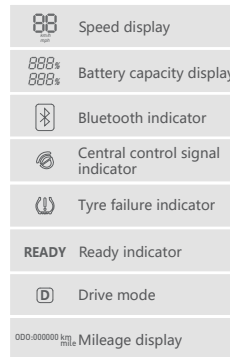
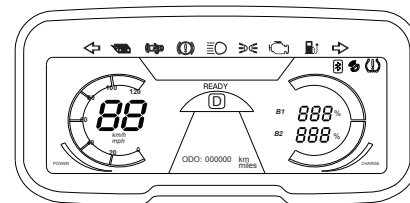
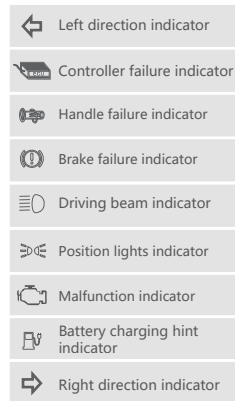
## 04 DESCRIPTION OF COMPONENTS & PARTS

### Diagram of Components



### Diagram of Dashboard

Note: The following is MIKU Super smart version instrument.





#### Speed display

The speed display shows the riding speed.

#### Battery capacity display

This indicator shows the remaining capacity of the battery.

#### Drive mode

Here shows the speed mode which you choose.

#### Mileage display

Switch on the ignition, the indicator first 10 seconds displays the total distance the scooter has been ridden in kilometers. And then display the distance of single riding in kilometers.

#### Left direction indicator

This indicator light flashes when the left turn signal light is activated.

#### Right direction indicator

This indicator light flashes when the right turn signal light is activated.

#### Driving beam indicator

Lights up whenever high beam is switched on.



## 05 RIDING GUIDE

### Pre-ride Checklist

**The condition of a vehicle is the owners' responsibility. The operator should check the vehicle by simple but thorough inspection, to make sure of vehicle condition, quick inspect some key and important parts, to prevent the vehicle from serious consequence/accident. Please carefully check the following points before each ride.**

#### Tires

- ① Ensure that both tires have at least 1/8 inch tread depth at center.
- ② Both tires must be inflated to the pressure indicated on the tire sidewalls.
- ③ Replace the tires if tread height is less than 1/8 inch at the center of tires.

#### Throttle

- ① Check for smooth operation. Make sure throttle grip could return to cut off power.
- ② Check for frayed cable or damaged cable housing. Replace damaged cable to avoid electricity shock.
- ③ Check for mud, debris and ice in the throttle mechanism. Clean out any contamination.

**Fasteners**

- ❶ Check that all axle nuts & lug nuts are secure.
- ❷ Check for missing fasteners. Replace as necessary.
- ❸ Check that all other fasteners are secure. Tighten as necessary.

**Chassis frame** Check for bent/damaged components. Replace as necessary.

**Battery** Check the power level to ensure it's enough for riding.

**Lights** Check for proper operation. Replace bulbs as necessary.



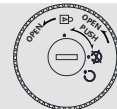
**WARNING!** Always perform the entire pre-ride checklist before using the scooter as this can help you spot problems that could interfere with safe scooter operation. Failure to follow this entire checklist before every ride can cause serious injury, and/or property damage to yourself and/or others.

**Steering**

- ❶ Make sure steering turns freely.
- ❷ Check for proper "toe-in" of wheels.
- ❸ Lubricate/Adjust as necessary. Please refer to the maintenance section.

**Ignition Switch**

This switch controls the ignition, and also used to lock the steering. The various positions are described as below.

**OFF Position**

All electric system are off. The key can be removed.

**ON Position**

This position is used for operating the scooter. Install the key and turn clockwise. At this position the following sequence occurs:

- Lights turn ON
- Dashboard turns ON

**To Lock The Steering Lock:**

- With the key in the OFF position, turn the handlebar all the way to the left.
- Push the key down and turn the key counter-clockwise.

**To Unlock The Steering Lock:**

- Install the key and turn clockwise.

**Finger-print touch-start**

Give a gentle touch to start the motor



Short press "LOCK KEY" to lock  
Long press to mute lock

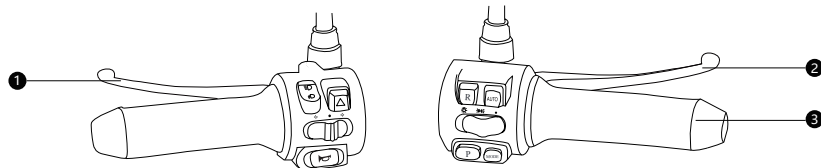
Short press "UNLOCK KEY" to unlock  
Long press to open the Storage box

Short press twice "POWER KEY" to start the motor  
Long press to bind vehicle

**Description:**

- 1 Press twice the POWER KEY to turn on the ignition.
- 2 Press the LOCK KEY to lock the vehicle, then it enters guard mode.
- 3 Press the UNLOCK KEY to unlock the vehicle, it enters free mode. Now ❶ alarm turned off ❷ manpower can push the bike.

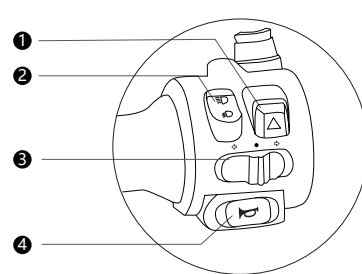


**Brake Levers & Throttle**

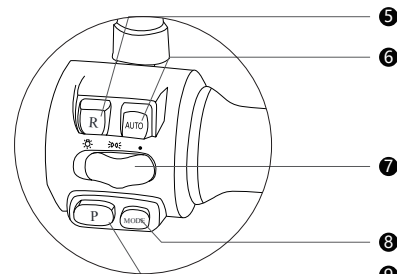
- ❶ **Rear brake lever:** When stopping the scooter, squeeze the left brake lever smoothly and firmly to engage the rear brake. Always engage the rear brake first.
- ❷ **Front brake lever:** Squeeze the right lever to engage the front brake. The right lever must be squeezed gently at first to avoid locking the front wheel.
- ❸ **Throttle grip:** The rotary throttle grip is on the right handlebar. Make sure that operation is smooth. Accelerate by rotating the throttle towards you. Decelerate by rotating the throttle away from you. The throttle includes a safety spring that snaps the throttle back to end when released.

**DANGER!**

Be extremely careful when engaging the front brake to avoid locking the front wheel. Locking the front wheel can cause a serious accident.

**Left&Right Switch****Left switch**

- ❶ Hazard warning lamp switch
- ❷ High & low beam
- ❸ Turn signal
- ❹ Horn

**Right switch**

- ❺ Reverse
- ❻ Auto Headlight
- ❼ Headlight switch
- ❽ 3 speed control key : I :ECO, II:Normal, III:Sport
- ❾ Parking:  
Switch on the ignition, the instrument displays P.  
Press P button to remove parking function, then start your ride.  
During temporary stop, press P button to prevent accidents caused by misoperation.



### Stop the motor/Parking

- 1 Reduce the throttle to 0 position.
- 2 Operate the brakes.
- 3 After the vehicle is stopped turn off the ignition.
- 4 Lower the side/main stand with your foot while holding the motorcycle upright. Remove the key from the main switch.



**DANGER!** When braking, always engage the rear brake first to retain maximum control of the scooter. Wet, oily, or sandy roads reduce braking effectiveness. Hard braking on these surfaces could lead to loss of control and a serious accident. Always reduce speed as gradually as possible.

### Storage box

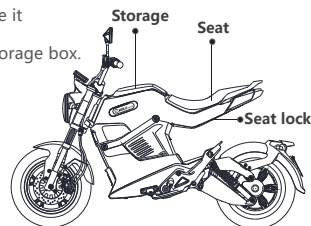
#### TO OPEN THE STORAGE BOX

- After shutting off the e-bike, insert the key into the handlebar lock, and rotate it leftwards to open the storage box.
- With the bike unlocked, long press the finger-print touch start to open the storage box.
- Long press the alarm unlock key to open the storage box.

### Seat

#### TO OPEN THE SEAT

- Insert the key into the seat lock, and then turn the key clockwise to "OPEN" the seat.
- Fold the seat up.



### Motor safety



Keep the scooter free of dirt and debris, especially in the throttle linkage area.



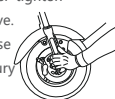
Never start the engine or motor unless you are properly seated with your hands firmly on the controls.



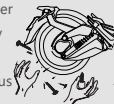
### Fasteners



Make sure that all screws, locknuts, and bolts are properly tightened. Never over-tighten hardware that is designed to move. Restricting moving parts can cause a loss of control and possible injury or death.



Never tamper with, alter, or change the scooter motor settings. The motor governor is factory preset and protects the motor from damage. Excessive motor speed is potentially dangerous to the operator, and the motor itself.



Operating the scooter in conditions where water, mud, snow, dirt sand or other debris can get into the throttle wire conduit and/or the throttle mechanism can cause the wire or throttle mechanism to bind, which may lead to throttle sticking, loss of control, and possible death, injury, and/or property damage.



Always replace torque-type locknuts with new locknuts of the same type after removing the old ones.





## 06 THE MANUAL OF SMART CHARGER

### Instruction

- ❶ The charger should be matched with the alternating voltage of local power supply before connecting charger.
- ❷ The charger is designed & tested for original battery from manufacturer. Do not use them for the other mismatching batteries.
- ❸ The charger is tested & matched with its scooter. If the charger is used on other scooters, it might make different charging effect and/or cause battery damage.
- ❹ Please connect charger and scooter before connect to local power supply, while you are going to charge the battery. Please disconnect the charger from local power supply while the battery is fully charged. Don't disconnect charger and scooter while the charger is connected with local power supply for safety reason.
- ❺ Do not violently shake the charger. It might cause damage of the charger.
- ❻ Keep the charger away from any water, dust or high temperature.
- ❼ The charger creates heat while working. It should be stored in well ventilated place and keep away from any inflammable things.
- ❽ Keep it away from children.



- ❾ If any wire or shell was broken, please send it to the professional repairing service. Don't open or repair it yourself. This action will cause danger and lose warranty of the charger.
- ❿ The charger is designed and made for electric scooter battery charging use. Don't make it for other use.
- ⓫ Any incorrect usage which does not follow this instruction will lose guarantee from seller.

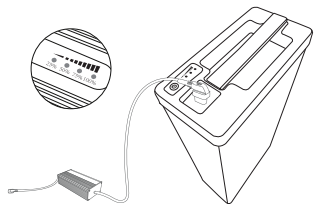
### Usage

- a Turn the ignition off.
- b Plug the charge into the vehicle's charging port.
- c Plug the power plug into 110V/220V/250V local AC power supply.
- d The green light turns to red to indicate charging status.
- e After 6-8 hours charging, the red light turns to green to indicate the battery charging is finished.
- f While the charging is finished, the charger will cut off power from AC power supply automatically.



## 07 BATTERY & CHARGING

MIKU Super holds 2 portable batteries located under the storage box . The battery could be charged in the scooter or separately charged out of the scooter.

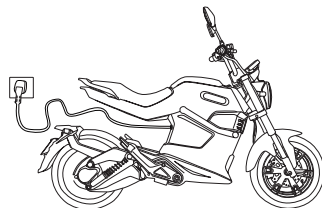


### Charging on battery

- Take out the power pack from the battery case;
- Connect the charger plug to the charging socket on the battery;
- The charging is in process if the charging indicators are on.

Note : ①Always use a MIKU Super original battery charger from manufacturer. Improper charger might pose a fire or explosion risk.

②The battery is fully charged , while the state light on the charger turns green.

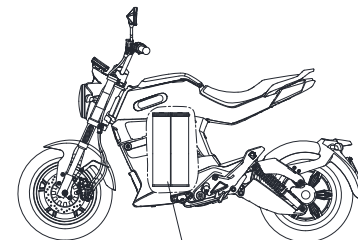
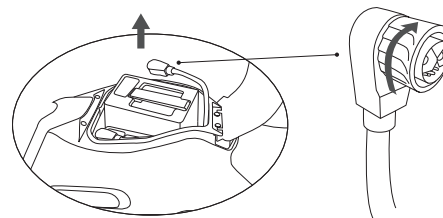


### Charging on scooter

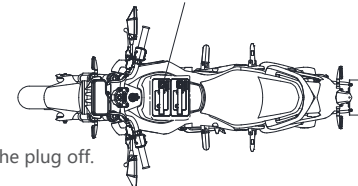
- Connect the charger plug to the charging socket on the scooter;
- The charging is in process if the red charging indicator on the charger are on.



## Take the battery out



Position of battery

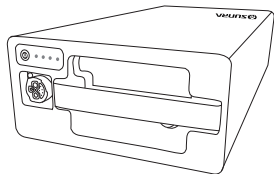


- ① Open the storage box.
- ② With the key in the Steering Locked position, turn the key counter-clockwise, to open the battery case.
- ③ Rotate the blue knob to the left and hold it until you pull the plug off.
- ④ Take the battery out.

Tip: A click should be heard while successfully **plugging in** power.



### Battery Power Indicator Instruction



### Store the Battery

- If the vehicle will not be used for more than a month, fully charge it, and then place it in a cool, dry place.
- If the battery will be stored for more than 2 months, check it at least once a month and fully charge it if the remaining capacity is less than 20%.
- Fully charge the battery before the next time you ride it.
- Please contact your dealer if you are not familiar with handling the battery.

❗ Always keep the battery charged. Storing a discharged battery can cause permanent battery damage.



## 08 STORAGE

### SHORT-TERM (FOR A FEW DAYS)

- Always store your vehicle in a cool, dry place and, if necessary, protect it against dust with a vehicle cover.

Please store the vehicle in a air flow room with dry air if possible. A place with wet humidity will cause rust.

### LONG-TERM ( FOR WEEKS)

- Clean the vehicle.
- Check and correct tire pressure and lift the vehicle off the ground, so that neither of the two wheels is on the ground. If this is not possible, turn the wheels every month a little further, so they do not constantly the same place standing.
- If you are not using the vehicle for an extended period of time, set the circuit breaker to "OFF". During this time, the battery has to be charged according to the manual.



## 09 MAINTENANCE TIPS

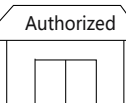
Regular maintenance can enhance the service life and driving safety of the smart electric bike. Please refer to the following suggestions and take care of your scooter.



Don't modify the scooter from the manufacturer's original design and configuration.



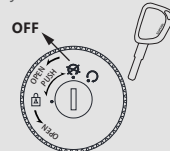
Assembly, maintenance and/or repair of this scooter should only be performed by designated dealers or authorized repair centers for e-scooter repairs to ensure quality work and safe scooter conditions.



Please use clean water and neutral detergent to clean it, and use soft cloths and sponges to clean the surface; Never wash or operate the scooter in freezing temperatures. Please disconnect the air switch before cleaning.



While stopping, always shut off the scooter to avoid move unexpectedly.



Item	Purpose	Rate
Brake	Check braking performance, prevent traffic accident due to braking malfunction	Daily
Tyre	Check tyre damage & air pressure, prevent flat tyre or power over consumption during driving	Daily
Rim	Check rim strength & remove dirt in bearing, prevent rim breaking or jamming	Weekly
Shock absorber	Check front & rear shock absorbers, remove dirt & maintain lubrication, prevent shock absorber jamming	Weekly
Ignition & throttle	Check ignition & throttle, prevent jamming or occasional failure	Weekly
Wire	Check wire connector loose or damage, prevent wire malfunction	Weekly
Screw	Check screw connector loose or damage, prevent screw malfunction	Monthly
Battery	Check battery appearance & cell performance, prevent wire malfunction & lengthen lifespan	Monthly
Charger	Check whether charger wire damage, braking, off-line, input & output connector complete and reliable or not	Monthly
Lubrication	Check front wheel axle, brake need to add lubrication or not	Monthly
Cleaning	Surface cleaning	Monthly



# 10 SMART APP INSTRUCTIONS

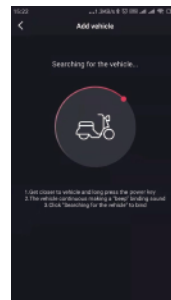
## Step 1 : Download Smart Vehicle APP Client Software

Please scan QR code to download App. Also can download from APP Store or Play Store. (System requirements: iOS 9.0 / Android 6.0 or above)



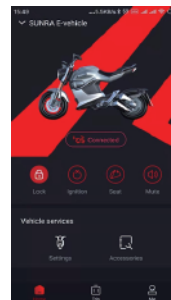
## Step 2 : Binding smart vehicles

Open the APP client and search for the vehicle



### Search vehicle

After registration and login, long press the power key to add vehicle

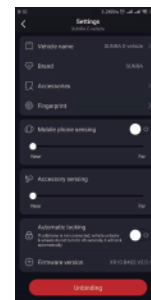


### Vehicle Home

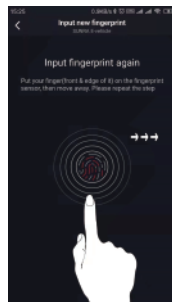
Enter the Home page to explore how the smart Miku Super is used

Note: Can't find or bind failed, please switch on/off phone's Bluetooth and try again.

## Step 3 : Fingerprint function description



1. Fingerprint entry: After the vehicle is successfully bound, please touch the fingerprint sensor to see if there is a beep (that means fingerprint connection is working correctly). And just do as the system prompts.



2. Fingerprint use logic: Touch to unlock, then touch to lock. When unlocked, long touch the sensor to open the storagebox.

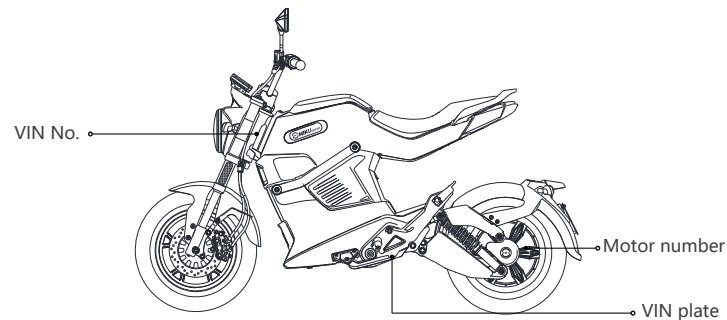
## Troubleshooting

Scenes	Failure phenomenon	Countermeasures
Binding process	No vehicle found	1. Make sure your phone has Bluetooth and positioning enabled 2. Make sure you press and hold the power key and the vehicle beeps 3. Make sure the phone is as close to the vehicle as possible
	Failed to bind vehicle	Switch off/on the Bluetooth or restart the APP and bind again
	The phone cannot remotely control the vehicle	The mobile phone needs to be connected to the vehicle before it can be remotely controlled
	Connecting slowly	You can switch off/on Bluetooth and retry the connection; some Android phones may have compatibility issues, please be patient
Use process	Auto lock without reason	If the vehicle is not connected and the wheel does not turn for 45 seconds, it will automatically lock the vehicle to prevent forgetting to lock the vehicle; this function can be turned off in the vehicle settings
	Alarm can not stop ringing	Vehicle has audible alarm function, you can press and hold the lock button to mute status
Fingerprint function	Fingerprint cannot be entered	Please try to clear the fingerprint. After clearing, touching the sensor again, make sure if there is a beep. If it cannot be cleared, please check whether the fingerprint connection is correct
	Fingerprint cannot switch on the ignition	1. Make sure the corresponding finger fingerprint is entered 2. Please check whether the fingerprint connection is correct

Note: If there are other usage and related problems, you can check the content of the help center in the APP. If you cannot solve your problem, you can go to the store for consultation.



# Serial No.: \_\_\_\_\_



The vehicle identification number ( VIN ) is required for all warranty work, theft recovery and consumer safety. The complete VIN also appears on a plate at the bottom of chassis frame. The VIN print is located at steering pipe of chassis frame.