

E-Rome

Product instructions

catalog

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2 Vehicle important number position

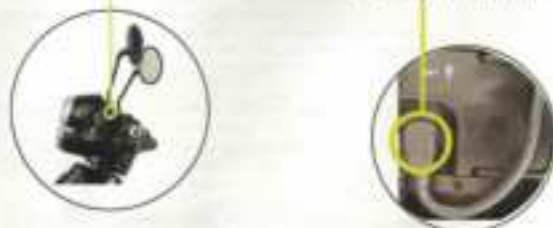
The frame number and motor number are used for registration of electric two-wheeled mopeds. When ordering accessories or special services needed, these numbers will enable the dealership to provide you with better services.

Please record the number for future reference: A frame number engraved on the front of the frame; B Motor number engraved on the right side of rear fork.



3 Quick installation

1. Tighten the rear-view mirror with a wrench.
2. Insert the power plug into the battery (see shown in the picture)



Preface

Thank you for choosing E-Rome, a pioneer two wheeled mopeds.

We believe that suitable personal electric travel products are the rational use of travel energy, and also conducive to improve the social travel environment.

We hope to make people's travel experience more exciting and safer through innovative and attractive products. We also look forward to working with you to build a better future travel world. Before you drive the electric two wheeled scooter, please read this manual carefully, and be fully familiar with the provisions and requirements in the operation manual of the product. Please do not use it without knowing the characteristics of the electric two wheeled scooter. This manual outlines the correct repair and maintenance of the electric two wheeled scooter. Operate according to these procedures in this manual will ensure the best performance and durability of your electric scooter. If the power is damaged or the charging system fails, it should be replaced and repaired by our dealers.

Our company has always adhered to the service purpose of "making customers more satisfied" and constantly improving the quality and performance of products. As a result, the appearance color, structure and parameters may be changed, resulting in inconsistency with this manual. Please understand. The pictures in this manual are for reference only. The specific style is subject to the real scooter you purchased.

Important notes

1. Road conditions for driving
The electric scooter is designed to be suitable for driving on the highway.
2. Please read the operation manual carefully and maintain it according to the requirements, which can keep excellent performance of the scooter and prolong its service life. Please pay special attention to the following words:
Warning: it means that if the operation is not carried out in accordance with the instructions, it may cause malfunction or damage to the scooter parts.
Note: the operation manual of this product shall be regarded as a permanent document of this electric two wheeled scooter. Even if the scooter is transferred to others, the user manual of the product should be handed over to the new owner. Reproduction of any part of this manual is strictly prohibited without the permission of our company.
No refitting: please don't refit the scooter or change the location of the original accessories. Random modification will seriously affect the stability and safety of the scooter, and may cause failure. At the same time, according to the law of the People's Republic of China on road safety, any person or individual is not allowed to assemble scooter or change the registered structure, characteristic of the scooter without authorization.
Users are requested to abide by the traffic management department's regulations on the use of scooters.
Bare reminder: after you buy an electric two wheeled scooter, please equip yourself with a helmet that meets the national standard.

4 Description of side stand and Remote control key



Side stand:

Side stand is with power cut-off device.

The vehicle can be started when the side stand is retracted.



1 Safety instructions for electric two-wheeled mopeds

Safe Driving Code

1. The vehicle must be inspected before driving, to avoid accidents and damage to parts.
2. The driver must pass the examination of the traffic management department and obtain a driver's license before driving. It is not allowed to lend a vehicle to people without license or not eligible to drive.
3. In order to avoid injury from other motor vehicles, the driver must try to attract attention. For this purpose, please:
Wear high-visibility clothing which is visible;
It should not be too close to other motor vehicles;
4. Strictly abide by the traffic rules, and do not allow to fight the roads.
5. Accidents are mostly caused by speeding, so the speed of the vehicle must not exceed the maximum speed limit of the road section.
6. When turning or changing lanes, turn on the turn signal in advance to attract the attention of others.
7. At intersections, working for entrance and exits, and narrow lanes, please drive carefully.
8. Please drive with both hands, driving with one hand is extremely dangerous.
9. Please modify the electric two-wheeled scooter or dismantle the original car parts, which will seriously affect the safety of driving, and at the same time, it is illegal and will affect the vehicle warranty.
10. The configuration accessories must not affect the driving safety and operating performance of the electric two-wheeled scooter, especially the overload of electrical system is extremely dangerous.
11. The helmet must be worn with straps attached to them, which is to avoid loss of control and accidents.
12. When cleaning the vehicle, do not wash it directly with water, and it is forbidden to be washed with a high-pressure water gun to prevent the electrical appliances from being damaged and short-circuited.
13. Avoid driving on snow, mud, gravel roads and stopped roads. In some explosion or transformation of time causes the danger.

Wear a safety helmet

The helmet that meets the safety and quality standards is the first line of body protection for driving. The most serious accident is the head injury. Please be sure to wear a safety helmet and it will be better to wear protective glasses.

Driving clothing

Driving clothing must be close-fitting and comfortable, with non-slip soles. Please fasten your belts before riding to avoid accidents by hooking the brake handle. For driving safety, please wear flat shoes (not loafers) shoes.

Precautions for driving in rainy days

When driving in the rain, you can only wear a poncho, an umbrella, and it is strictly forbidden to operate the vehicle with one hand. Pay special attention to the slippery road in rainy days. Because the braking distance is longer in rainy days. When driving, avoid road marking points, vehicle covers, and oily roads to avoid slipping. When going through the railway, iron bars and bridges, please be especially careful. If you cannot clearly judge the road conditions, you should slow down.

Load

There will be abnormal feeling when the scooter is loaded with goods. Overloading will cause accidents or damage to the vehicle. Please pay more attention.

5 ARE YOU READY

Get started quickly

Unlock the vehicle and start the motor:

Step 1: Press the unlock button, then press the start button, the battery indicator will act. The indicator «READY» on the meter will light up, indicating that the motor has started and you can drive.

Step 2: lightly twist the switch knob with your right hand and enjoy your first driving trip.

Turn off and lock the vehicle:

Step 1: Stop the vehicle, and when the speed is «0», lower the side stand. Press the start-stop button to turn off the power.



*During driving, if the one-button start and stop switch is pressed, the operation of the electrical system will be forcibly stopped, causing the vehicle suddenly losing power, which may cause accident. Only when the vehicle is stopped, then the main switch power can be turned off.

7 Speedometer display description

- Left turn indicator light: the light flashes when turning left
- Right turn indicator: the light flashes when turning right

High beam indicator: When this light is on, it means that the high beam is turned on

Motor start status indicator light: when this light is on, it indicates that the vehicle enters the start status. At this time, turn the switch handle and the vehicle can be driven

Electric power warning light: this flashing light indicates low power, please charge in time

Real-time vehicle speed

Power indicator line: each line represents 25% power



- Motor fault light: when the light is on, the speed motor is faulty
- Turnknob fault light: when the light is on, the turnknob fails to start
- Brake indicator light: when the vehicle is braking, the indicator light is on
- Parking light: standby or temporary parking, the light on
- Width indicator light: when the light is on, the instrument light, front light and rear light will be on
- Gear indicator light: vehicle gear display

8 Lithium battery instructions



essential

After the battery is connected to the power supply through the charger, it can be charged automatically. At the end of charging, the power supply of charger is cut off automatically.

After inserting the battery, make sure that the battery is inserted in the bottom.



Note

Please do not charge in the state of winding wires, because it is easy to heat up and cause damage to the charger.

If the power plug of the charger is inserted into the power socket of the family, the current will flow from the charging plug to the charger. At this time, there will be current at the terminal of the plug of the charger. Please be careful not to contact the metal object with the terminal part of the charger plug.

After use, for safety, please remove the power plug of charger from the socket and keep it properly.

Be careful not to pinch your fingers when inserting the battery.

Please pay attention to the contact, charging plug, charging socket and other parts at the bottom of the battery, and make sure they are not covered by dust, soil, grease, water and other substances which may cause poor contact, short circuit and other problems, such as unable to charge, battery damage and so on. Please be advised to clean the contact, charging plug, charging socket and other parts frequently.

When inserting the battery, please be careful not to mix in other objects or foreign matters.

At the end of charging, the charger and wires may still have residual heat, therefore, please remove the charger after sufficiently cooled down.

Excessive bending or strong pulling may break the wire, please do not wrap the charging cable on the charger or pull the cable.

Before using lithium battery

- Make sure that the battery is the original battery of the whole vehicle before use. Do not use other brands or models of batteries at will.
- Check that the appearance of lithium battery is good, and there is no obvious phenomenon such as damage, leakage, swelling, immersion and so on.
- In order to ensure the safety of transportation, the battery charge is about 30%, due to the self consumption during transportation and storage cycle. This is a normal phenomenon. Please do not worry, just charge according to the charging instructions.

Usage environment

- Please prevent the battery from being corroded by corrosive liquid such as acid and alkali.
- Please keep the battery away from heat source, open fire, flame and explosive gases and liquids.
- Please avoid direct foreign objects from entering the battery box.

At low temperature, the available capacity of the battery will decrease or even stop working. If the battery has odor, swelling, deformation and other abnormal conditions, please stop using it immediately, keep away from the battery and contact the after-sales department. During the battery is not a user replaceable part. Please contact the after-sales department for maintenance in case of abnormal phenomena. No warranty will be guaranteed if damage to the battery without permission, and this may cause the battery to generate heat, smoke, fire or explosion.

Charging environment

- Do not use other brands or models of chargers for charging.
- Please charge at ambient temperature of 0°C - 35°C.
- The charging time should not exceed 12 hours to avoid overcharge affecting service life.

In the early stage of charging, the electric quantity rises faster, and the later period is slower. This is the procedure set for charging safety, which is normal. When charging is slower, when the outdoor temperature is low and the environment is lower than 5°C, the battery will stop charging, which is a normal phenomenon. Please charge the battery at appropriate ambient temperature to ensure the charging effect. During the charging process, some aluminum shell chargers equipped by Tianxing have temperature rise effect, and the surface temperature is higher. It is normal. Please use it at ease. Pay attention to avoid children's touch.

6 Description of combination switch



1. High and low beam light key

Push up, high beam on; Push down, low beam on.

2. Left and right turning light key

Push left and the left turn signal flashes; Push right and the right turn signal flashes; Push to the middle and turn signal off.

3. Horn

Press the button and the horn sounds.

4. Back button

Hold down the button, turn the right handle to start.

5. The headlight switch

Push to the far left, the headlight is lit; push to the middle, the position light is lit; push to the right, the lamps are not lit.

6. Start button

Press the button to turn the right handle, the vehicle starts.

7. Gear button

Press the button to change gears Gear cycle: 1 → 2 → 3 → 4.

Storage environment

- When the battery is equipped in the scooter, the battery power will be consumed in real time due to the operation of the vehicle intelligent system and alarm system. After the vehicle is parked for a period of time, the decline of SOC on the instrument is normal. Generally, the battery power consumption is about 5% after parking for 8 hours.
- Please store the battery at the ambient temperature of 0°C - 20°C. Do not store the battery in an environment higher than 40°C. Otherwise, irreversible capacity degradation will occur.
- If the vehicle is not used for a long time (such as in winter, summer or other special circumstances), the battery must be taken out and stored separately, and it can be maintained and charged regularly. Otherwise, the battery will be completely exhausted and irreversible damage will occur.
- The most suitable storage capacity of the battery is 50%, if it is lower than 30% or higher than 90% for a long time, it will lead to irreversible capacity degradation.
- The technical standards of self-consumption protection mode for safe storage of lithium batteries are as follows:
 - If it is not used for a long time and stored on the vehicle (without pulling the battery plug), the maximum safety period is one month. Otherwise, it may generate battery power consumption and the problem can not be repaired.
 - If the battery is not used for a long time and the electric power is more than 50%, keep it separately or placed in the vehicle and disconnect the plug. The maximum safety period is 3 months. Otherwise, it may cause battery power loss and problem can not be repaired.
- Avoid storing the battery in a place with the risk of falling. Dropping may cause uncontrollable damage inside the battery and may cause leakage, heat, smoke, fire or explosion of the battery.

usage method

- For the first use, please exhaust the battery as much as possible; the effect is better after recycle for 2-3 times; this will ensure the example of actual capacity of the battery and the instrument display.
- In the later use, try to keep the battery power no less than 20%, timely charging can prolong the service life of the battery.
- In normal use, it is recommended to use the medium speed for riding, start slowly, operate the switch handle, and gradually accelerate, which can extend the battery range.
- With the increase of battery usage times, the actual capacity of the battery and the instrument display will decline. Please fully discharge the battery regularly (no more than 3 months), and the internal battery and intelligent system can automatically calibrate the power, so as to improve the experience effect.
- It is recommended to check the power plug of the battery every two months to confirm whether the contact spring has carbon deposition and oxidation blackening. If so, please go to the designated network for maintenance.

Serious warning

The battery shall not be exposed to rain or flooding, and the battery shall not be soaked in water. The welding of the whole vehicle shall not exceed the height of the bottom of the battery compartment; otherwise, it may cause water inflow, internal short circuit and permanent failure of the battery. In this case, it is strictly prohibited to charge the whole vehicle or battery again; otherwise, it will cause the danger of battery fire, combustion and explosion. In extreme cases, there will be internal fire, spontaneous combustion and explosion.

9 Description of vehicle components



10 Parameter configuration table

Name		Parameters	
Basic information	Length (mm)	1840	
	Width (mm)	700	
	Height (mm)	1165	
	Wheelbase (mm)	1340	
	Net weight (kg)	70	
Battery	Cell type	Lithium battery	
	Battery capacity	30Ah or 30Ah	
	Voltage	72V20A	72V30A
	Weight (kg)	10.2	11
Motor	Type	Motor in the hub	
	Max speed (km/h)	250km/h or 450km/h	
	Rated power	2.0kW /340min-1 or 2.0kW /630min-1	
	Maximum output torque	58Nm/340 min-1 or 36Nm/535 min-1	
	Climbing performance	≤14°	
Front wheel	Type	3.50-10	
	Wheel hub (inch)	MT2. 13×10	
	Pressure	250Kpa	
Rear wheel	Tire	3.50-10	
	Wheel hub (inch)	MT2. 15×10	
	Pressure	250Kpa	

11 Precautions for starting the vehicle

In order to ensure your safety, please practice in the open area for the first time. Please master the main points before riding on the road, and please consciously abide by the traffic rules. Do not lend your vehicle to someone who has not operated it.

- When the vehicle enters the starting state from standby state or temporary stop state, do not turn the switch and handle at this moment, otherwise the vehicle body may "abnormally" rush forward and lose control. Warning: Carefully check the position of the side brace before driving an electric scooter. If the side brace is not in the reclining position, the side brace may hit the ground and cause the electric scooter to lose balance when driving a left turn, causing danger.
- To drive the vehicle, hold the handle with both hands, try to get on the vehicle from the left side and sit on the cushion. At this time, put your left foot on the ground. Note: When the main power is turned on and the front and rear wheels touch the ground, do not turn the switch and handle when the rider is not sitting on the seat cushion. To ease the vehicle suddenly thrusts forward, which may easily cause safety accidents!
- To observe whether the surroundings are safe, turn on the turn signal, look the horn, adjust the view of the rearview mirror before starting, and make sure that the rear is safe before driving. At this point the brake handle must be clenched and, more importantly, do not turn the switch.
- Start: Release the brake handle, slowly rotate the switch to turn the handle, and the electric scooter will start to move forward. Observe road conditions and the surrounding environment while driving. The adjustment of speed is controlled by the switch knob: Turn inward - When the switch turns inward, the driving speed will be faster and the acceleration should be slow and smooth. When starting or going uphill, slowly turn the switch inward and turn the handle, the power will increase. Go back in place, loosen the switch and the speed will also slow.
- Brake operation: use the brake handle slowly under normal conditions. The left hand brake handle controls the rear brake and the right hand brake handle controls the front brake. When the switch is off, please use both front and rear brakes to reduce the speed gradually. In emergency braking, the front and rear brakes must be used together. If you only brake the front or rear wheels, the body can slip sideways, which is very dangerous.
- The parking:
 - Turn on the turn signal in advance, observe the rearview mirror, pay attention to passing vehicles, and slow down slowly. Turn off the switch and use the front and rear brakes. The brake lights will come on to warn vehicles and pedestrians behind you to pay attention and slow gradually move to the side of the road.
 - When the vehicle has come to a complete stop, turn off the turn signal.
 - Put the side brace on a flat place, do not obstruct traffic, do not park on soft or sloping ground, in order to prevent the vehicle tilted.

12 Inspection before driving

Vehicle inspection before driving can avoid the trouble caused by wear faults and ensure the safety of driving.

- Check brake
 - Whether the braking performance is normal
When driving on dry roads, slow down to see whether the front and rear braking effect is flexible and reliable. Adjust frequently to ensure the best braking performance.
 - Divide fluid
DOT4 brake fluid is used in this car. Do not use the residual liquid left over from the previous cylinder or the brake fluid left over from the last repair, as the old liquid will absorb moisture from the air.
Be careful not to splash brake fluid onto paint or plastic surfaces, as it can erode the surface of these substances.
Pay attention to check the amount of liquid stored in the brake storage cylinder. If the amount of liquid stored falls to the lower limit, the specified brake fluid should be added to the upper limit. When the friction plate wears out, the cylinder fluid is automatically injected into the brake hose and the fluid level decreases accordingly.
 - Check the friction plate
Always check whether the wear of the friction plate has reached the limit mark. If the wear reaches the limit mark, replace the new friction plate in time to maintain the best braking performance.
- Warning: If the brake system or friction plate needs repairing, we strongly advise you to leave the work to the distributor. The disc braking system uses high pressure braking. For safety, brake hose should be replaced every four years, brake fluid should be replaced every two years just replace the new friction plate can not immediately ride, first group and put a few brake handle let friction plate fully extended to restore the normal handle support, and make the brake fluid stable circulation. At the same time at low speed to control the brake braking performance to meet the requirements.

- Starting inspection
Whether the start is smooth, whether the speed of the vehicle has the feeling of fast and slow.
- Handbrake check
Whether the upper, lower, front, rear, left and right settings are loose, whether the steering is too tight, and whether the steering handle is locked. If you find any abnormal phenomenon, please go to our distribution unit for maintenance.
- Brake light inspection
Start the vehicle. The front and rear brakes are applied separately to ensure that the brake light is on. Check brake lamp bulb for damage or dirt.

Fault phenomenon	Diagnosis	Solution
The scooter not start	Whether the main controller switch is "on" or not, and whether the battery is installed. Is the battery charged?	Turn on the main controller switch and put the charged battery in the right position. If battery is not charged, please charge it.
The power unit system cracks abnormally	Check whether the disc looks is loose	put the fastening glue on the screws
Smoke and odor from the power system	Whether the screw of motor wire head is loose	It is an internal failure of the power system → consult the sales store
When driving, the power unit system hams and stops	Make sure the battery is properly installed	Please confirm whether the battery is loose ↓ If the battery is not loose, and the same symptoms still occur, maybe the connection or wiring of electric wire is loose. → consult the sales store
Speed regulation failure or the maximum speed is not normal	Battery voltage is too low The speed control handle is damaged	Fully charge the battery → consult the sales store for replacement or repairment
Power is on, motor fails to start work	Make sure the battery is installed properly. Brake switch or cruise is connected Bad motor or controller is damaged	Please make sure the battery is properly installed Replace or repair → consult the sales store
Insufficient mileage after one charge	The damaged or insufficient air pressure Battery aging or damaged Insufficient battery charge or charger failure	Repair or inflate the tire Replace the battery Fully charge the battery or check whether the charger plug is well connected → consult the sales store

Fault phenomenon	diagnosis	solution
Can't charge	Whether the power plug and charger are properly connected	Please reconnect and then charge ↓ If it still doesn't work, it can be preliminarily determined to be the failure of the charger ↓ Consult the store
	Whether the indicator light of the charger is on	Confirm the charging method and charge again ↓ If it still does not work, consider whether the charger is faulty ↓ Consult the sales store
The charger is overheating	During charging, it is normal for the charger to generate heat	If the temperature is too high, it will cause a failure, so please disconnect the power immediately and stop charging ↓ Consult the sales store
side stand light is on	Check whether the side stand is connected in right place. Whether the brake switch is in right place. Whether the rear tail light brake light is on.	→ Consult the sales store

●Turn signal check

Start the vehicle. Operate the turn signal switch to make sure that the front, rear, left and right steering signals and indicator lights are flashing. Check lampshades for damage or dirt.

●Inspection of low beam, front light, high beam and tail light

Turn on the light switch to see if it will go on. Check lampshades for damage or dirt.

●Tire inspection

Insufficient tire pressure will not only accelerate the tire wear, but also seriously affect the driving stability. Low tire pressure causes steering difficulty. But high tire pressure will decline the ground grasp ability, which may cause the scooter to lose control. The tire pressure must be kept within the prescribed limit. Tire pressure adjustment should be carried out at low temperature.

Normal tire pressure (cold state):

Front wheel: 280±20kPa; Rear wheel: 280±20kPa; if there are metal fragments or gravel clamped in the tire grooves, remove them and then drive again.

When the tire track or groove depth wear to the limit, please replace the new tire. When the tread depth on the tire crown pattern should be greater than or equal to 1.6mm. If the wear is less than 1.6mm, a new tire should be replaced.

Tires with abnormal wear and tear are very likely to cause damage during driving. Warning: Tire pressure and wear conditions are very important for vehicle function and safety. Please always check the pattern wear and tire pressure.

●Front and rear shock absorption inspection

Add the weight to the direction handle and seat cushion, swing up and down, and check whether the front and rear shock absorption is good.

●Speed meter function check

Check whether all functions of the speedometer work normally.

●Bump inspection

Start the vehicle. Press the bump button to see if the horn will sound.

●Rearview mirror inspection

Sit on the seat cushion, look at the mirror of the rearview mirror to make sure whether the angle of the rearview mirror is appropriate. You should be able to see the rear clearly and check for any damage to dirt.

●License plate inspection

Check the license plate for damage or loosening.

●Check belt and nut

Check the fastening bolts, screws and nuts of the whole vehicle for loosening.

●Check whether seat cushions have been raised out

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