



THAMLEV EBIKE MANUAL

Introduction

This e-scooter is designed with 3D technology, with a beautiful model. It is fashionable and casual, and is of a unique style. Its structure is very simple but not common, and noble but not arrogant. You will love it at the first sight! Its main features are as follows:

1. Lithium cell: Its service life is 3 times longer than that of lead-acid cells, so replacement is almost not needed - overlong service life. its weight is 1/3/3f that of lead-acid cells, very light. The voltage is sufficiently high for climbing and rapid speeding-up - high energy. It is a kind of recognized green power, and hence there will be no pollution occurred during the whole production and usage.
2. Cell bin: it is hiding at the central plane underneath the pedal, so it is loaded evenly, compact, convenient and safe.
3. Motor: it is made of high-quality magnetic steel and silicon steel sheet, with thick coils, a precise bearing and a thick motor shaft. Thus, it has strong power and capacity and is durable.
4. Tyres: tyres adopted are over-wide straight-grain vacuum tyres used by ATV. Such tyres are thick and firm, with better stability, stronger holding capacity and super-short braking distance. And what's more, you do not have to worry about tyre burst. They will bring you a safe, comfortable and smooth cycling.
5. Bicycle frame: from three-dimensional virtual design and assembling to technology-advanced numerical-control pipe bending and argon arc welding, all these operations are accomplished without stopping. Super-large frosted (for slip-resistance) pedals will bring you safe and free cycling, whether you stand or sit down, and will also bring you worry-saving loading experience;

6. Disc brake: a compact and fine oil disc brake is adopted. The pump body adopted aluminum alloy forging technology and advanced CNC processing technic makes the whole bicycle brake flexibly and freely.

7. Handlebar: it is of streamline ergonomic leisure design, and is very firm, so will make you handle freely.

8. Turning bar: injection molding by soft rubber materials mold is adopted for it, so it will bring you comfortable holding.

9. Cushion: it adopts brand new plastic plate, highly flexible foam and high-level anti-slip leather, with well-designed exterior, perfect manufacturing and suitable saddle height, which will make you ride comfortably, even for a long time.

10. Intelligent charger: it is of full-automatic and portable design. When charging, no care is needed. Wherever there is 220V AC power supply, charging can be done.

11. Controller: it has been calibrated specifically and starts up flexibly without pause, which make cycling safer.

Operation Method and Considerations

Considerations for safe driving

1. Please observe traffic regulations and drive it safely. Please control the speed within safe speed range.
2. Before driving, get familiar with this Instructions first, and then perform exercise at an open site. Make sure that you fully master driving skills and get familiar with the structure and performance of this bicycle, which are the foundation for safe driving.
3. Do not lend it to those personnel who are not familiar with or unable to drive it or ask them to drive it. It is dangerous to drive it by one hand or even without hands or drive it when intoxicated.
4. Take more care when driving it in raining or snowy days: danger may occur due to wet ground in raining or snowy days! Thus, you should drive it a low speed and take more care when turning. You must particularly remember that you do have to brake in advance in raining or snowy days to prevent accidents!!!
5. Wear a helmet correctly: wear a helmet correctly and tighten the belt when driving.
6. Wear suitable clothing: do not wear tights so that your whole body can move freely. You should wear clothing with sleeves unopened and low-heel shoes as practicable as possible.

Note: in order for ease maintenance, repair and service, each bicycle produced by our company is marked with a bicycle frame number and motor number, se as to assist distribution unit to provide better service for you. The bicycle number is engraved on the seat plate, and the motor number is engraved on the outer housing cover of the motor

7. Do not overload: the max. load of this bicycle is 100kg. The handling feeling of handlebar with load is different from that without load. When many articles are loaded, holding handlebar will vibrate, resulting in danger. The stable load of this bicycle is one person, it will be very dangerous to load articles or person at the front pedal.

Method for correct operation

1. Driving method
 - a) Keep the natural posture, and free driving can be got.
 - b) Driving in sitting posture: please always keep your body at the center of the cushion to prevent load reduction of the front tyre and danger caused by handlebar vibration.
 - c) Driving in standing posture: when speeding up, you should turn the turning handle slowly. Danger caused by instability due to sudden speeding-up should be avoided.
 - d) Drive it slowly on roads with surface damaged or that paved with gravels.

In raining or snowy days, wet ground will easily cause sideslip, so you should drive it slowly with much attention. When the water accumulated on roads becomes above the cell box located underneath the pedal, do not drive it, so as to prevent electrical parts damage caused by short circuit. Meanwhile, braking performance will decrease. which will cause accidents easily.

2. Parking method

When parking, please pay attention to those vehicles and pedestrians around. Do not park it on a slope. Operation method for electricity indication

3. Operation method for electricity indication

After the power supply lock is connected, the voltage indicator light will be turned on. At full charge of capacity, there are green, yellow and red light, with 5 grids in total. The green light has three grids, with each grid of 25% of rated electricity; each grid of the yellow light is 20% of rated electricity; while each grid of the red light is 5% of rated electricity. The yellow light going out while the red light going on indicates that there is no electricity left, so when you find that the blue light goes out, you should charge the scooter immediately.

4. Operation method for power supply lock

After the key of the power supply lock is turned by a shift in clockwise direction for connection, the motor can be started up. During driving, you do not remove the key and switch off power supply, nor can you turn the key in counterclockwise direction to close the power supply lock. Once you switch off the power supply, the motor will stop running. After parking, you should turn the power supply lock in counterclockwise direction to switch off the power supply, and then pull the key out.

5. Turning handle (speed-governing handle)

If the turning handle is turned towards the driver, the bicycle will be speeded up; and if it is released to turn back, the speed will be reduced. After reset, cut off the power supply of motor.

6. Operation method of disc brake and considerations

a) Operation method of disc brake

Brake clearance adjustment: turn the adjusting screw which is located between the braking handle and the handlebar tube using a 2mm Allen wrench, adjust the clearance between braking pads and the braking disc until your hand feeling is comfortable.

Replace the braking pad when braking pads are worn off by more than 1mm or the adjusting screw of braking pads are adjusted to the end position or every half a year. When replacing braking pads, press in one of braking pads using a clean slotted screwdriver to vacate space for taking out the other braking pad. After replacement is complete, it is needed to return the adjusting screw of braking pads to a suitable position (a position that makes your hand feeling comfortable).

Run-in period: the run-in of disc brake surface needs a certain time. After complete run-in, braking force will increase significantly. The first week in which you use a new disc brake is the run-in period. During run-in period, do not brake with too great force, otherwise un-recoverable damage will be caused to braking pads and braking body. The correct operation method is to brake slightly during driving, so that there is appropriate friction kept between braking pads and the disc brake.

Oil replacement: this disc brake adopts mineral oil, which should be replaced (2-3 years in general) when the braking handle is felt weak. Replace oil using an injector.

b) Consideration

Do not use lubricating oil around the disc brake and braking pads, as well as the caliper. Do not touch the surface of disc brake and braking pads with hands, otherwise braking performance will be reduced significantly.

You'd better not shower a new brake to prevent a small quantity of lubrication grease in assembling clearance from contaminating braking pads.

Oil hydraulic disc brake has strong braking force, you need to do much exercise at a safe place, so as to adapt to the difference from a common brake to avoid braking with too great force, resulting in injury due to wheel lockup.

7. Operation method of the charger and considerations

a) Operation method

When charging, plug in the plug of cell box first, then that of electric supply AC220V. When charging is complete, take the counter procedures, that is, unplug the plug of electric supply AC220C, then that of cell box.

During normal charging, the indicator light of the charger shows red. When fully charged, it will show green;

If charging ambient temperature is too high, the red light will flash, which indicates that the charger is in the temperature protection state. Please take the charger to a cool or well-ventilated place. When the inside temperature of the charge lowers to 60°C, normal charging occurs.

If there is no cell connected during usage, what the charger output is a pulse voltage less than 42V. When testing, place a 1KΩ ohmic load between the positive and negative output terminal, then actual charging voltage of the charge can be obtained.

b) Consideration

The charger can only be used indoors.

Charging in a closed space or under scorching sun or at a high temperature environment is strictly prohibited. Do not put the charger on a seat cask or inside the rear compartment for charging.

In case of no charging, do not connect the charger to an AC power supply without load for a long time.

During charging, if the indicator light is abnormal, there is abnormal smell or the housing of the charger is too hot, please stop charging immediately, and repair or replace the charger.

Do not disassemble or replace the devices inside the charger by yourself.

Do not charge the charger that has been fully charged.

Do not use the charger in an environment with flammable gas, otherwise explosion or fire will be caused.

Do not place the charger near water source or wet it, otherwise fire or electric shock may occur.

In the event that inside parts are exposed due to charger damage caused by collision, etc., do not touch them with hands, otherwise you may be injured due to electric shock.

8. Operation method of the cell and considerations

a) Charging

Make sure to charge using the charger specifically equipped by our company. Irregular or non-conforming chargers may reduce life the cell or invalid the cell!

The cell that has been fully discharged (the bicycle stop running) can be charged with more than 95% of electricity within 5h, and can be fully charged within 8h.

During charging, neither the positive end nor the negative end is allowed to be contacted with metal.

When leaving factory, the cell's electricity is about 80%. Prior to driving a new bicycle, charge it for 3-10h.

If the bicycle is left for more than one month, cell's electricity will reduce by about 5%. It is recommended to charge it before use.

Please charge the cell timely to ensure driving mileage.

During charging, the charger may become hot. As long as the temperature does not exceed 60 °C, it is normal.

When charging, please put the charger and the whole bicycle at a stable and dry place which is free of flammable and explosive goods and is out of reach of children.

You should charge the cell within 24h after it is fully discharged, and charging time should not be less than 3h.

Make sure that there is no short-circuit at the charging port.

b) Discharging

Do not use the cell for purposes other than the electrical bicycle of this model, otherwise warranty will not be provided.

Once short-circuit occurs, the cell management system will provide automatic protection, and the fuse piece connected in series with power line will fuse, giving dual protection for you cell. At about 2min after the short circuit is released and the fuse piece is replaced, the cell will work normally.

Damage or unreasonable configuration of the controller, motor, horn, lighting facility, etc. of electrical bicycle all will cause the cell to discharge at high current. At this time, the cell will stop output for protection, but will recover within 10s, which will not have any effect on your driving.

Working temperature range of the cell: -10℃—55℃. Like other cells, its available energy will reduce with the rise of temperature, which is a normal phenomenon.

Make short out the discharging port.

9. Storage

- a) If long-time storage (more than one month) is needed, it is recommended to charge the cell to 60%--80% of electricity. During storage, it is needed to charge the cell every 3 months, and charging is also needed before usage.
- b) The cell should be stored at a cool and dry environment.
- c) During storage, prevent conductive objects connecting the positive pole with the negative one.
- d) Do not use the cell near a fire source.
- e) Do not disassemble the cell.
- f) Do not refit the cell.

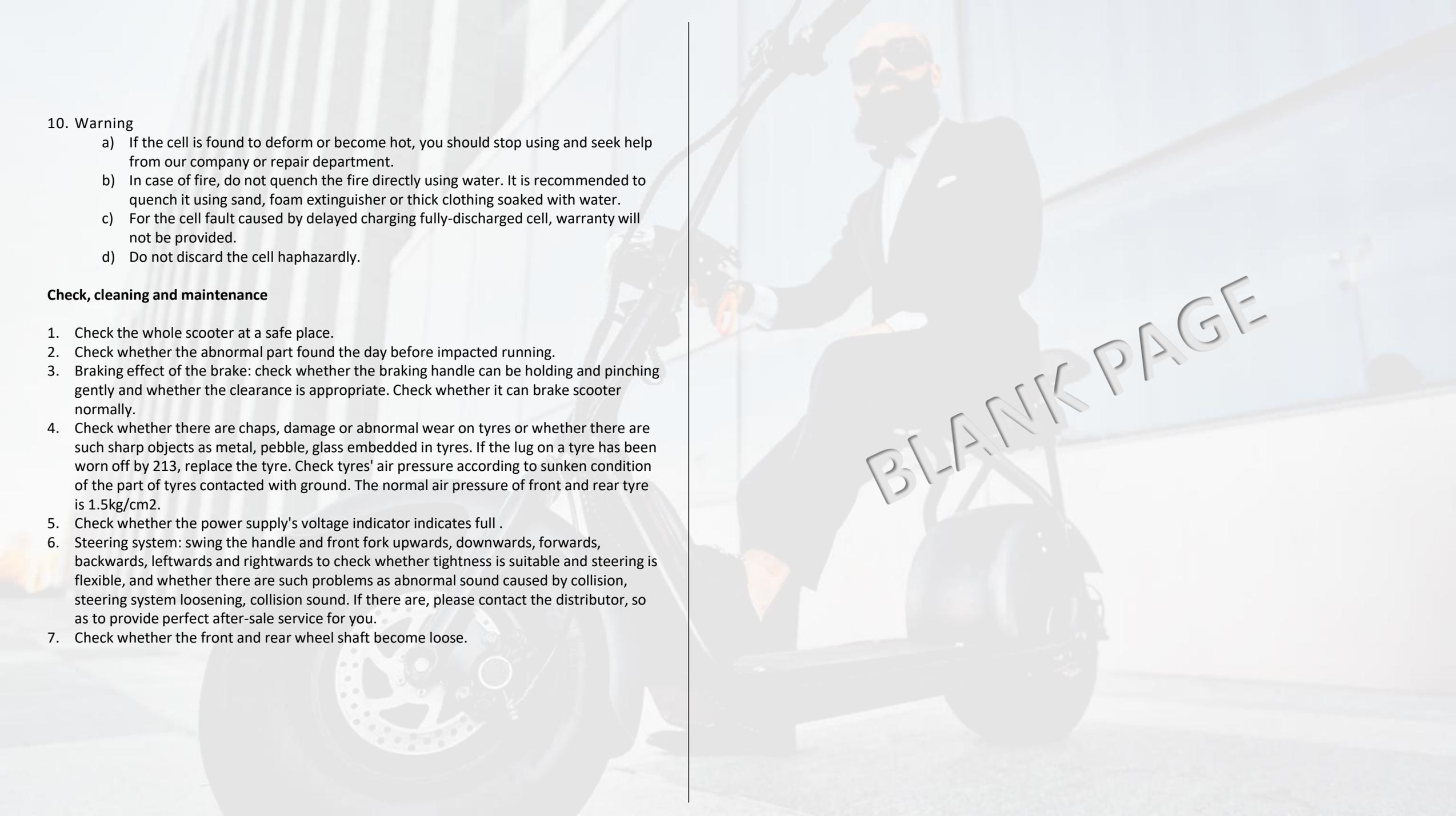
10. Warning

- a) If the cell is found to deform or become hot, you should stop using and seek help from our company or repair department.
- b) In case of fire, do not quench the fire directly using water. It is recommended to quench it using sand, foam extinguisher or thick clothing soaked with water.
- c) For the cell fault caused by delayed charging fully-discharged cell, warranty will not be provided.
- d) Do not discard the cell haphazardly.

Check, cleaning and maintenance

1. Check the whole scooter at a safe place.
2. Check whether the abnormal part found the day before impacted running.
3. Braking effect of the brake: check whether the braking handle can be holding and pinching gently and whether the clearance is appropriate. Check whether it can brake scooter normally.
4. Check whether there are chaps, damage or abnormal wear on tyres or whether there are such sharp objects as metal, pebble, glass embedded in tyres. If the lug on a tyre has been worn off by 2/3, replace the tyre. Check tyres' air pressure according to sunken condition of the part of tyres contacted with ground. The normal air pressure of front and rear tyre is 1.5kg/cm².
5. Check whether the power supply's voltage indicator indicates full .
6. Steering system: swing the handle and front fork upwards, downwards, forwards, backwards, leftwards and rightwards to check whether tightness is suitable and steering is flexible, and whether there are such problems as abnormal sound caused by collision, steering system loosening, collision sound. If there are, please contact the distributor, so as to provide perfect after-sale service for you.
7. Check whether the front and rear wheel shaft become loose.

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Common fault and troubleshoot

	Fault	Causes	Troubleshoot
1	Speed-governing fault or max speed decreased	<ul style="list-style-type: none"> • Too low cell voltage; • Speed-governing turning handle damaged; • The spring inside speed-governing turning handle got stuck or failure 	<ul style="list-style-type: none"> • Charge the cell; • Ask the distributor for replacement
2	The motor does not work after power supply is switched on.	<ul style="list-style-type: none"> • The cell's connecting line becomes loose; • 4 Speed-governing turning handle damaged; • Motor's output line becomes loose or damaged 	<ul style="list-style-type: none"> • Reconnect it; • Ask the distributor for replacement; • Ask a dedicated maintenance station to repair it
3	Continuous driving mileage is not sufficient after charging	<ul style="list-style-type: none"> • Air pressure or tyres is too low; • low power or the charger failed; • Aging of the cell or it damaged; • Much climbing, great headwind, frequent braking and starling, heavy load 	<ul style="list-style-type: none"> • Fill enough air; • Fully charge the cell or replace the charger; • Replace the cell; • Such condition will be improved when driving condition changes.

	Fault	Causes	Troubleshoot
4	The charger fails to charge.	<ul style="list-style-type: none"> • The socket of the charger falls off or the connection between plug and socket becomes loose. • The fuse inside the cell box fused; • Battery pack's connecting wire falls off 	<ul style="list-style-type: none"> • Fasten the socket or connectors; • Replace the fuse inside cell box; • Weld connecting wires.
5	Other fault	<ul style="list-style-type: none"> • If there is a fault that you cannot determine; • If the inside of the motor, cell. controller, charger etc damaged. 	Please ask the distributor or dedicated maintenance for repair. Do not open the parts by yourself. Otherwise warranty will not be void.

Warranty

	Part Name	Standard for replacement	Standard for non-replacement	Guarantee period
1	Handle tube	Broken	<ul style="list-style-type: none">• Damage caused by human factor or improper use.	1 year
2	Front fork	Breakage, desoldering, open welding	<ul style="list-style-type: none">• Damage caused by human factor or improper use.	1 year
3	Frame	Breakage, desoldering, open welding	<ul style="list-style-type: none">• Damage caused by human factor or improper use.• Welded nut fallen off• Frame structure changed• Whole scooter structure changed	1 year
4	Tyre cover	Aliquation, steel wire exposed	<ul style="list-style-type: none">• The groove of tyre cover worn heavily• Tyre cover tore due to human factor or improper use and there is narrow and deep scratch on the tyre cover	1 year
5	Motor	The bearing broken, the housing damage	<ul style="list-style-type: none">• Damage caused by human factor or improper use.• The outer is corroded or contaminated• Missing parts, unmatched parts• Damaged or deformed appearance	1 year

Warranty

	Part Name	Standard for replacement	Standard for non-replacement	Guarantee period
6	Controller	Failure	<ul style="list-style-type: none"> Improper use or man-made damage 	1 year
7	Charger	Failure	<ul style="list-style-type: none"> Improper use or man-made damage 	1 year
8	Lithium cell	<ul style="list-style-type: none"> In case that the capacity fading within the 12th month as from manufacturing date is lower than 80%, change a new cell 	<ul style="list-style-type: none"> Upon charging and discharging test, the specified capacity can be achieved, Housing damage caused by human factor or improper use, incorrect use of the charger, assembly and disassembly the cell by yourself. using the cell at high temperature (60°C). discharging at high current for a long time. Short circuit caused by man-made immersion in water 	1 year
9	Disc brake	The upper or lower oil pump leaked oil or damaged; the braking handle broken due to manufacturing defect; oil tube damaged or leaked oil, etc.	<ul style="list-style-type: none"> Damage caused by human factor or improper use The user changes state by himself Seriously defective accessories 	1 year
10	Bottom fork	Broken	<ul style="list-style-type: none"> Damage caused by human factor or improper use The user changes state by himself Seriously defective accessories 	1 year

Biometric Device User Guide

(Optional accessories)

Install the biometric APP

1. Install the biometric App by scanning the QR code below.
2. Make sure Bluetooth is ON when using the App

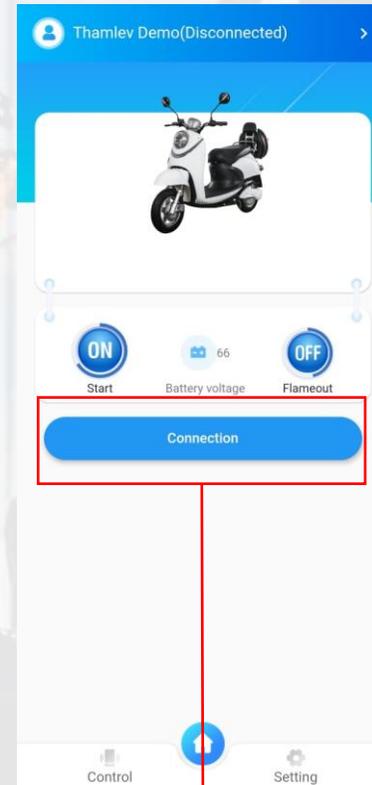


Scan & install APP for Android user

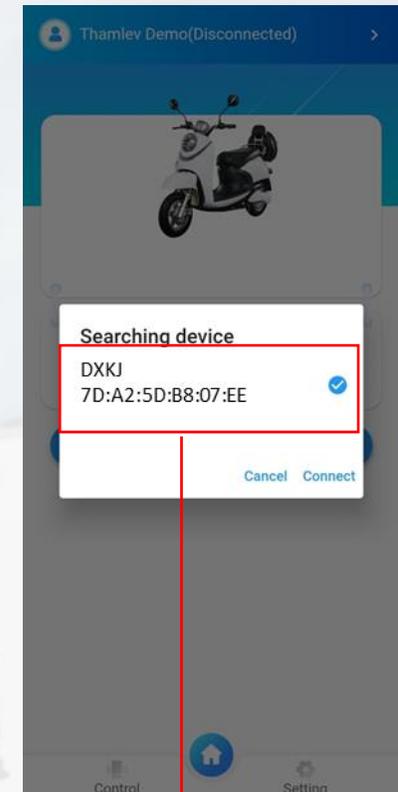


Scan & install APP for Apple user

Connect the biometric device

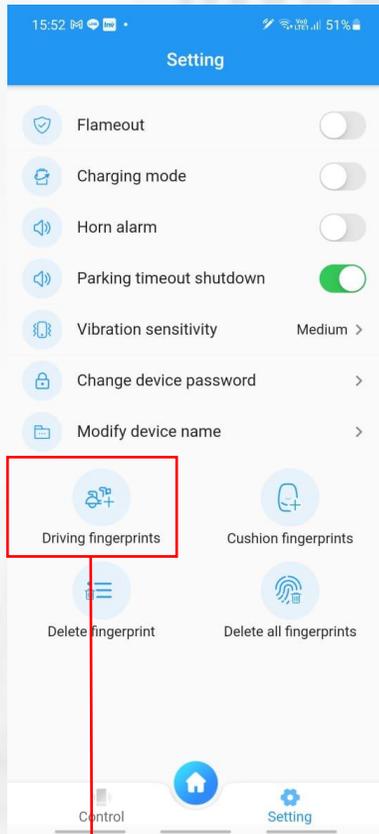


Step 1: Make sure Bluetooth is ON, and click the "Connection" button



Step 2: Select the "DXKJ" device and click "Connect"

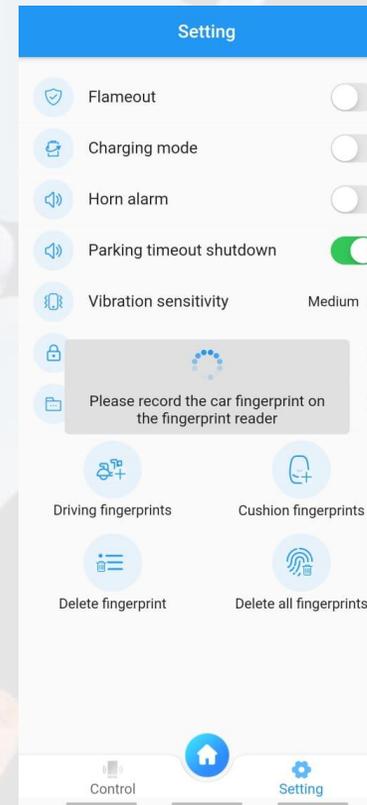
Register Thumbprint



Step 1: Make sure Bluetooth is ON, and click "Driving fingerprint" button in the setting page.



Step 2: Choose an unregistered slot to register new fingerprint



Step 3: Place the finger on the biometric device.

Step 4: When you heard a "beep" sound, remove your finger and place the same finger on the device again. If the registration is successful, you will heard "beep beep" sound after you place the finger on the device second time.

If you heard "beep beep beep" sound, it mean the registration is unsuccessful. You may try to place your finger on the device again until the registration is successful.

GPS Device User Guide

(Optional accessories)



Scan & install APP for Android user



Scan & install APP for Apple user

- First time login, key-in username and password to sign in.
- Please get your login detail from your dealer.
- Click continue after check the boxes to acknowledge the policy.
- User can check their vehicle location from the map.

VMD

Mobile number
+60120174

Password
.....

Sign In

Welcome To VMD

Please accept our privacy policy to continue.

I acknowledge that I have read and agree to VMD's [Privacy Policy](#)

Accept delivery task notification

Continue

