



# OWNER'S MANUAL

## Super Soco CPx



Version 1.0

February 2021

Congratulations on purchasing your Super Soco electric scooter. We wish you an enjoyable and safe riding experience.

For your safety and comfort, we recommend that you read carefully the whole of this manual before using the scooter. If you have any questions, you should contact either Vmoto UK using the details below, or a dealer authorised by Vmoto UK.

The contact details for Vmoto UK are:

Telephone: 0800 133 7304

Email: [info@vmoto-uk.com](mailto:info@vmoto-uk.com)

Address: Vmoto UK Distribution Limited  
Unit 1 High Dyke, Navenby, Lincoln, England, LN5 0BQ

**You should always follow the instructions, maintenance and riding requirements set out in this manual and have after-sales servicing carried out by an authorised dealer at the correct time. Failure to do so carries a risk of serious injury or death.**

Before riding, take time to get acquainted with your scooter and how it works. To protect yourself and your investment, you should take responsibility for keeping your scooter well maintained. Scheduled servicing, pre-ride and other periodic checks detailed in this manual are a must.

## **1. Before using your scooter**

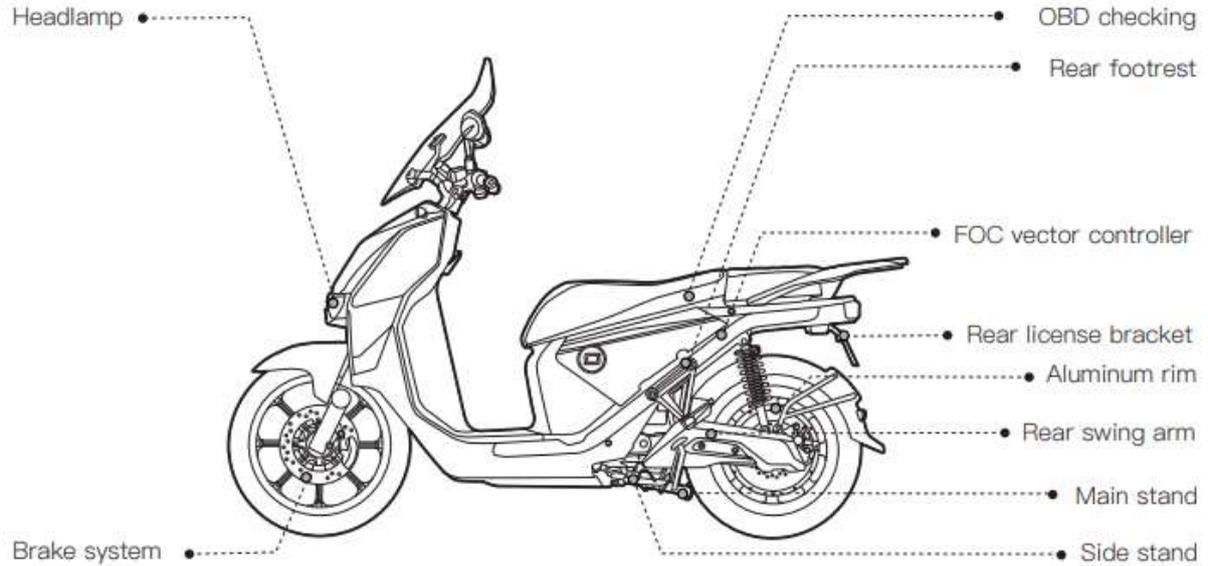
- 1.1** Your scooter should be assembled by a properly qualified scooter mechanic at a dealer authorised by Vmoto UK.
- 1.2** You should undertake all training and certification that is legally required to ride your scooter. Also, if it's your first time riding this type of scooter, you should test in a quiet area away from traffic.
- 1.3** Ensure that you know about and obey all traffic laws and regulations.
- 1.4** Always use appropriate clothing, including armoured jacket and trousers, motorcycling boots, gloves and a properly-fitted helmet.

## **2. Riding style and safety**

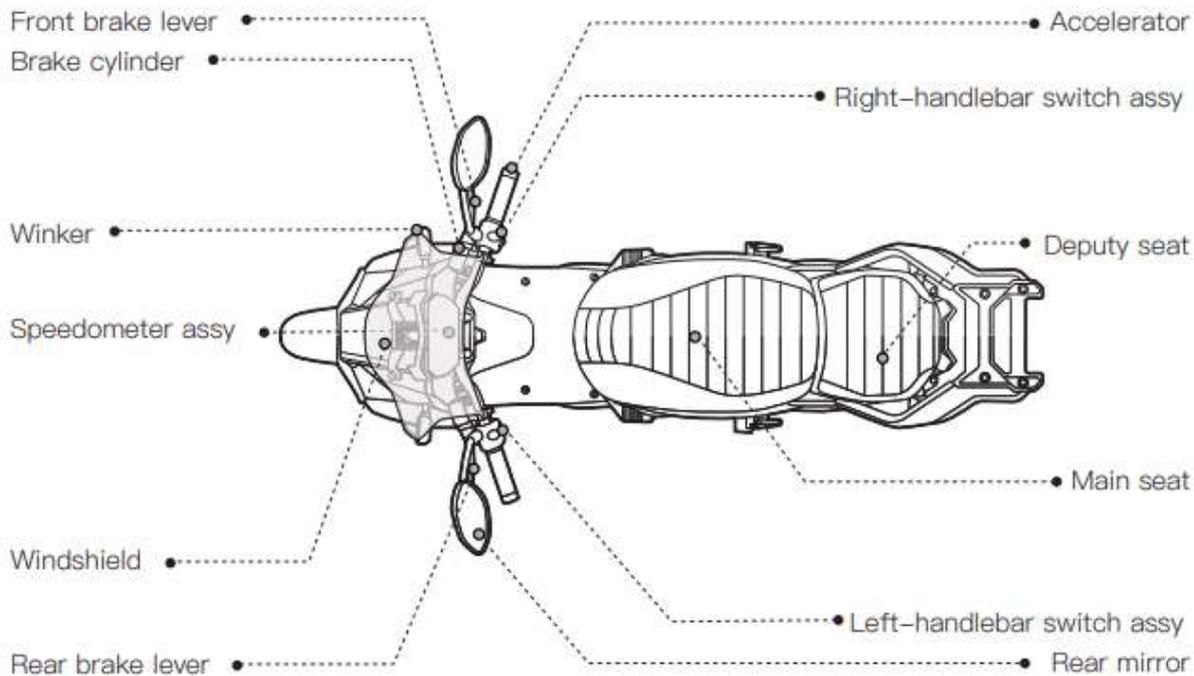
- 2.1** Ride with foresight and consideration for other road users. Always keep both hands on the handlebars while riding and turn the throttle slowly.
- 2.2** Never ride when under the influence of alcohol or drugs which may affect riding capability.
- 2.3** Ride with exceptional care on bumpy, loose or wet surfaces.
- 2.4** Pay attention to any unusual noises or handling of the scooter. If in doubt, check it out.
- 2.5** Always undertake the pre-ride checks mentioned in this owner's manual.
- 2.6** The scooter has a side stand. Ensure that the scooter is on an even, stable surface before using the stand.
- 2.7** Never use your mobile telephone or do anything else which may distract you from riding or from other road users.
- 2.8** Always service your scooter at an authorised Vmoto dealer in accordance with the service schedule set out in this owner's manual.

### 3. Vehicle schematics

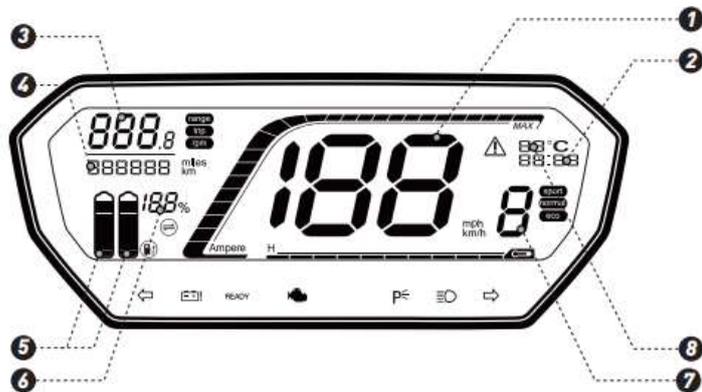
SIDE VIEW



## TOP VIEW



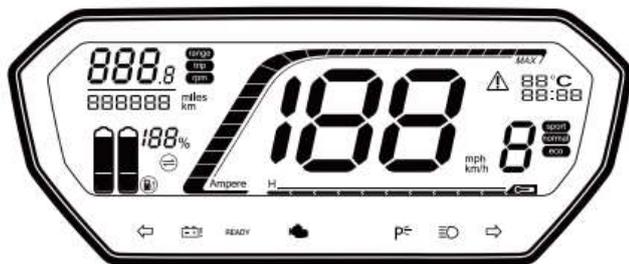
#### 4. Instrument cluster



- 1** Speed  
Display current speed
- 2** Time  
Display current time
- 3** Endurance Mileage  
Display current endurance mileage

- 4** Total mileage  
Display the total mileage
- 5** Power display bar  
Display current A、 B battery power
- 6** Battery percentage display  
Display current A、 B battery power percentage  
(When work with two battery, battery percentage display the higher battery)

- 7** Gear display/Forward,reverse status display  
Display current gear/Forward,reverse status.
- 8** Controller temperature  
Display current controller temperature



- Errors
- Charging light
- High beam indicator
- Battery error/Charging now
- indicator light
- Parking Light

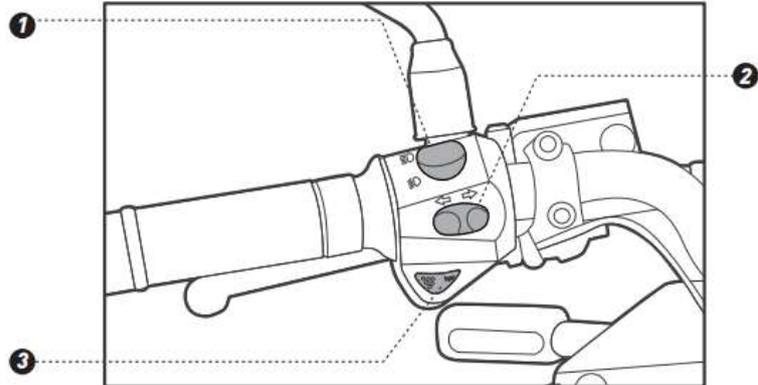
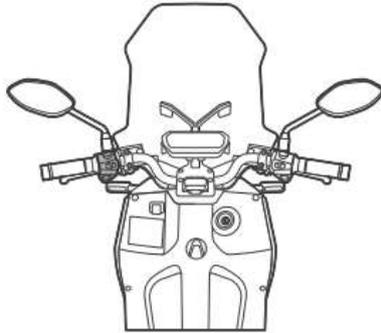
OBD checking error codes  
 See page 16 FAQ & TROUBLE SHOOTING  
 READY Start lighting  
 CPX is ready to ride when ready in display

**3** SPORT Mode   **2** NORMAL Mode   **1** ECO Mode

**F** CPX in moving forward position   **R** CPX in reverse position

## 5. Handle switches

### 5.1 Left hand side



#### **1.High/Low Beam Switch**

Up position, high beam on;  
Down position, low beam on.

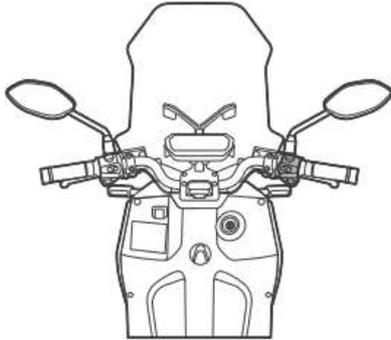
#### **2.Indicator Switch**

Position left or right to  
communicate intended  
route to other road  
users.

#### **3.Horn**

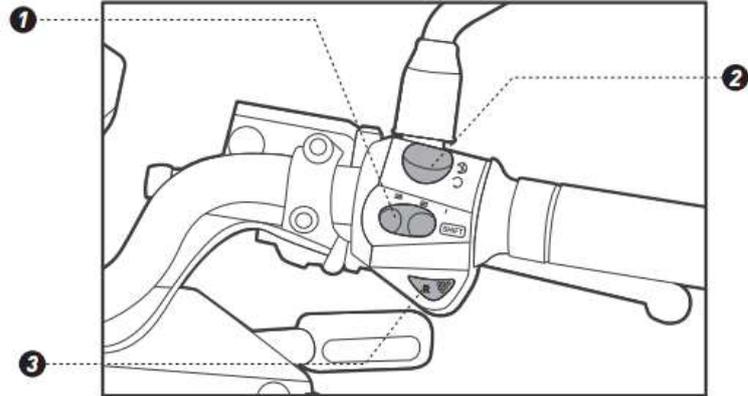
Press to activate horn.

## 5.2 Right hand side



### 1.Mode Switch

CPX is set with 3 modes: 1: ECO mode 2: NORMAL mode 3: SPORT mode.



### 2.Parking Switch

Press the parking switch up when CPX is parked, Parking indicator "P" will display. Press the parking switch down and display will change to "READY"

### 3.Forward/Reverse Switch

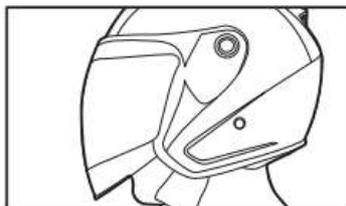
Press twice to alternate between Forward and Reverse riding Modes. Shown as "F" & "R" on display.

## 6. Starting and locking

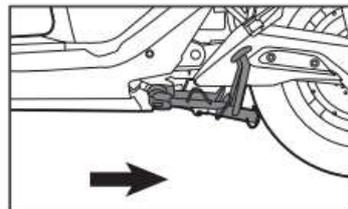
### 6.1 How to start



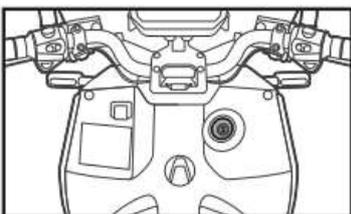
**1** Press “UNLOCK” on remote control



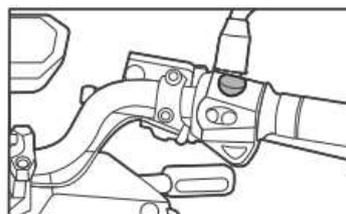
**2** Put on helmet.



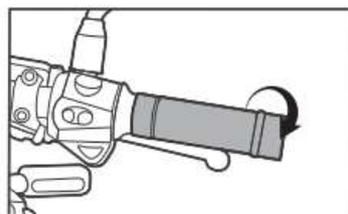
**3** Riding CPX, kick out side stand.



**4** Press “POWER” or turn the key to on position in ignition switch, power on



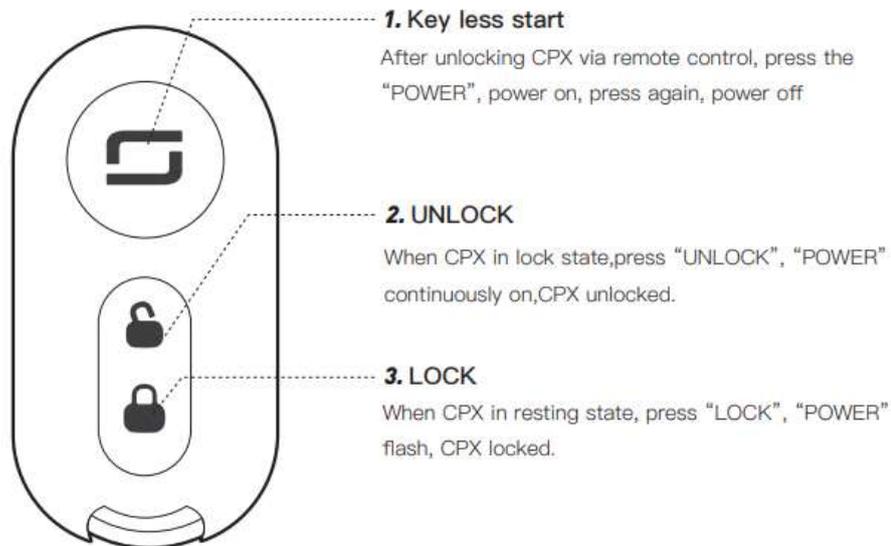
**5** Press 'Parking' button, unparking CPX, parking symbol off, READY light on.



**6** Turn throttle gently, CPX run.

## 6.2 Intelligent key fob

CPX use second generation smart remote control, within 50 meter radius, press the button, can lock or unlock your CPX.



## 6.3 Lock Mechanisms



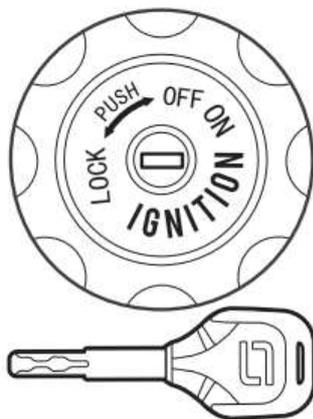
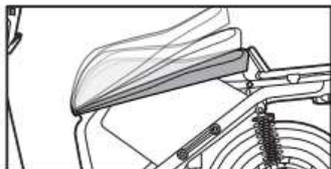
### 1. Mechanical key start

After unlocking CPX via remote control, turn the key to "ON" position, power on, turn the key back to "OFF" position, power off.



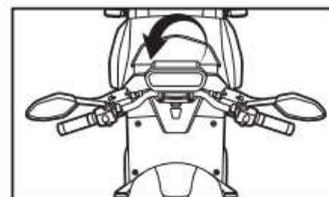
### 3. Open storage & seat

Put key in storage&seat lock, turn key to right direction, when hear sound "click", storage&seat open. Press "unlock" 3s via remote control, when hear sound "click", storage&seat open.



### 2. HANDLEBAR LOCK

1. CPX in parking position, turn handlebar to the extreme left position, put key in handlebar lock, and turn the key to right position, handlebar locked.
2. Put the key in handlebar lock, turn the key to left position, handlebar unlocked.

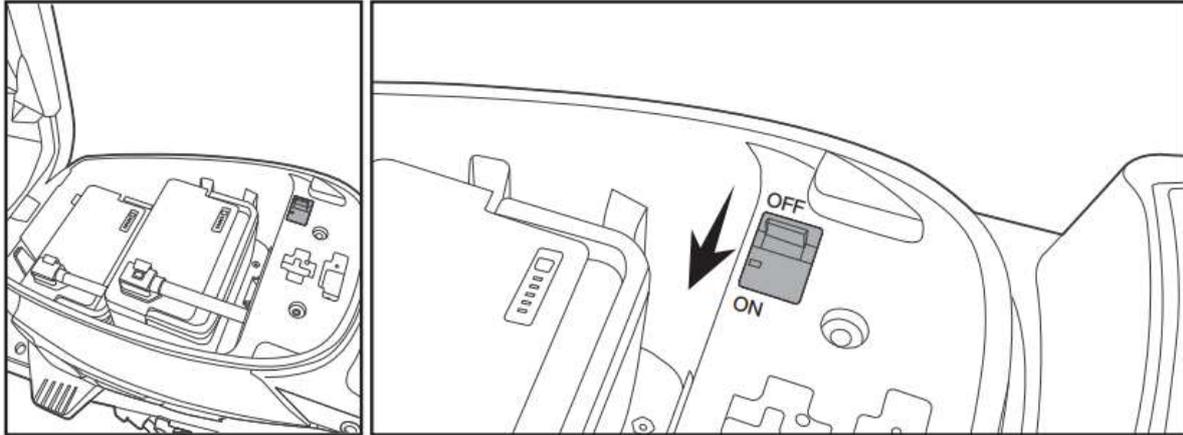


Put in the key and press then turn left



Put the key in then turn left

## 6.4 Safety switch



**TIPS:** For your own safety, please put kill switch at “OFF” position:

- A. Before taking out battery pack;
- B. Before cleaning and washing;
- C. Long time storage.

The safety switch is located under the seat. Turn to 'on' to power on the scooter. Turn to 'off' to power down. Note that this prevents the alarm and anti-theft from functioning. The scooter should always be powered down if not used for a long period of time, to prevent damage to the battery.

## 7. Pre-ride checks

- 7.1 Check tyre inflation (see paragraph 11.4), tread and wear and ensure no foreign objects are present. If tyres are worn or punctured, they must be replaced immediately.
- 7.2 Check brake operation and levels of brake fluid (on the handlebars next to the brake levers). Make sure that discs and pads are not worn or damaged and that the disc is not warped.
- 7.3 Move the steering from side to side, ensuring that the movement is smooth and not loose and that there is an equal turn angle in both directions.
- 7.4 Ensure charge level is sufficient for the journey. **Do not start a ride with less than 20% battery.**
- 7.5 While the scooter is off or in parking mode, check that throttle operation is smooth.
- 7.6 Check operation of headlights (dipped and full beam), indicators (front and rear) and horn.
- 7.7 Ensure that there are no error messages showing (see section 0).
- 7.8 Ensure that you are wearing a helmet and appropriate riding clothing.

## 8. Loading

8.1 The maximum loading of a scooter is 150kg, including rider, passenger and cargo.

8.2 The scooter is certified for a maximum of 2 people and the loading above. **Overloading is extremely unsafe.**

## 9. Battery

9.1 For the first 3 charges, ensure that the scooter is fully charged. **Also, make sure that the scooter receives a full charge at least every 2 months.**

9.2 The charger will stop automatically. It is not possible to reverse the polarity. Charging for a long time / overnight will not damage the battery or the charger. However the scooter should not be left plugged in for more than 24 hours.

9.3 A full charge takes approximately 3-4 hours with a fast charger.

9.4 Riding with a battery less than 10% can cause the scooter to power off. This is normal under-voltage protection for the battery. **If this happens, do not ride again until the battery is charged.**

9.5 The battery can deplete over time as the scooter systems consume electricity; this is normal. Always charge the battery before use.

9.6 Mileage per charge is stated in ideal conditions; ambient temperature and weather conditions, loading and riding style all influence range. For tips on getting the best range, contact your dealer.

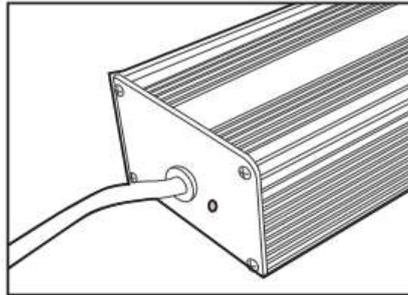
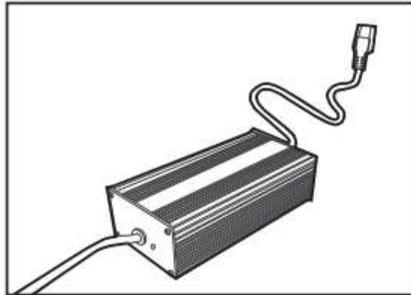
**9.7** After completing a ride, charge the scooter to ensure full battery for the next ride.

**9.8** If storing the scooter, ensure that the safety switch is in the off position and that the battery is unplugged. Preferably, remove the battery from the scooter for storage and ensure charged at least every two months. Failure to do so will deplete the battery and may lead to it needing replacement. Recharge the battery after storage. The ideal battery capacity for storage is around 50%.

**9.9** Charging the scooter

**a. Charging on-board**

- 1** Connect the charger to CPX charging port.
- 2** Connect the charger with power supply, during normal charging, red light keeps on.
- 3** When fully charged, green light keeps on.



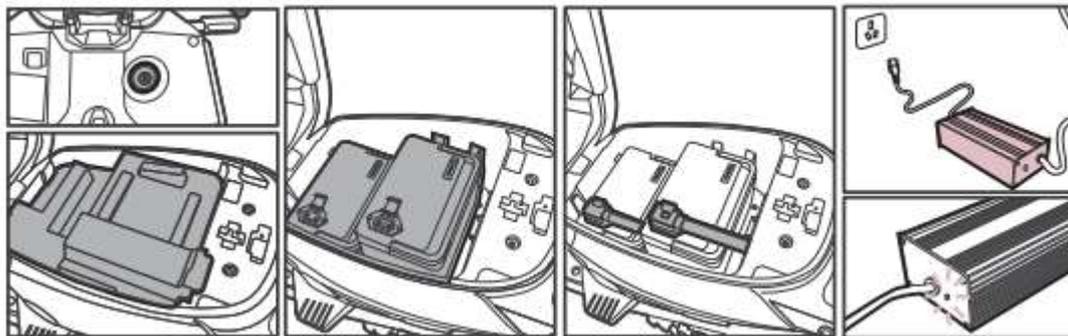
Battery Charging Display

Charging: Red light on.

Full Charged: Green light on.

Error: Red light, green light blink.

## **b. External charging**



- 1 Open the battery compartment
- 2 Turn the safety switch to 'off'
- 3 Take out the battery pack
- 4 Connect the charger to the battery
- 5 Connect the charger to AC current

It is also possible to charge the scooter by plugging the charger lead into the side of the scooter while the battery is connected internally.

**9.10** The charger can become hot in use. For this reason it must be used in a dry, ventilated place and left on a surface which is non-flammable and non-insulating. Do not leave the charger on soft surfaces.

**9.11** **Never leave the scooter with a depleted battery as this can cause the battery voltage to dip below minimum and require replacement.**

**9.12** **Using the scooter with a depleted battery will shorten the life of the battery and can make the battery inoperable (requiring replacement).**

**9.13** **Do not attempt to modify or disassemble the battery, or perform any diagnostics. This is extremely dangerous and can result in fire and explosion.**

**9.14** Do not charge the scooter with the ignition turned on.

**9.15** The operational temperature range for the battery is -20°C to 65°C. The temperature range for charging the battery is 0°C to 55°C. The temperature range for storage of the battery is -20°C to 35°C, ambient humidity  $\leq 65\%RH$ . Using the scooter or charging or storing the battery outside of the stated ranges will damage the battery. If the ambient temperature is outside the stated range for operation or charging, move the scooter to a place where it will cool / warm and do not use or charge until the scooter temperature is within the stated range.

## 10. Electrical safety

- 10.1 Only use the original charger and cables supplied with the scooter. Use of other chargers or cables is dangerous. Replace fuses in the charger plug with the same type.
- 10.2 Only once the charger is connected to the scooter, plug the charger into a 13A outlet.
- 10.3 **Do not plug the other end into the 13A outlet until the charging cable is connected to the scooter.**
- 10.4 The battery lights indicate the level of charge in the battery.
- 10.5 No adaptation should be required to domestic wiring although ensure that miniature circuit breakers (MCBs) are fitted at the distribution box. If in doubt, ask an electrician.
- 10.6 The battery should be stored in a clean, dry, ventilated space. Keep the scooter and battery outside residential buildings and away from corrosive substances, fire and heat sources.
- 10.7 **Never charge the scooter in the wet, or in damp conditions. Never leave extension cables outside or on the ground. Using any electrical appliance (including your scooter charger) in the wet is extremely dangerous and can lead to serious injury or death.**
- 10.8 If the scooter is involved in an accident, and the battery box is compromised, there is a very small risk of fire and explosion. The battery box is located underneath the scooter seat.

**10.9** If the scooter becomes hot to the touch, starts smoking or gives off a strange smell you should stop riding and move to a safe distance from the scooter before calling emergency services. Inform emergency services that the scooter uses lithium ion batteries.

## **11. Vehicle maintenance**

**11.1** You should clean your scooter regularly, using products specifically designed for scooters or mopeds. Do not use rough or abrasive cleaning products as they will damage the finish.

**11.2** Vehicles parked outside must be covered with a waterproof cover in order to protect from sun damage and water ingress.

**11.3** **Do not use high pressure cleaners. They can penetrate the seals and cause electrical faults. Cleaning with a high pressure cleaner is dangerous.**

**11.4** The only other user maintenance that should be carried out is charging and tyre inflation. The correct pressure for the tyres is:

- (a) front: 25 PSI
- (b) rear: 29 PSI or 33 PSI with pillion passenger

**11.5** Low tyre pressure or worn tyres will affect range and handling.

**11.6** All other mechanical issues or error messages should be referred to a dealer authorised by Vmoto UK. If an error message appears, in the first instance turn the scooter off and then on again using the safety switch.

## 12. Troubleshooting

Fault	Likely cause of fault	Action
The vehicle is dead and the start button does not light	1. The battery is not connected	1. Connect the battery
	2. The safety switch is in the off position	2. Move the safety switch to the on position
With the power on, upon opening the throttle, the scooter does not move	1. The battery is depleted	1. Charge the battery
	2. The side stand is out	2..Put the side stand away
	3. Parking mode is active	3. Deactivate parking mode
	4. The brake is on	4. Release the brake
	5. The throttle switch is faulty	5. Contact after sales care or dealer
	6. Controller plug is loose	6. Contact after sales care or dealer
	7. Controller fault	7. Contact after sales care or dealer
	1. Battery is low or depleted	1. Charge the battery

Slow speed or short range	2. Tyre pressures are too low	2. Check tyre pressures and inflate if necessary; riding with low tyre pressures also causes handling issues
	3. The scooter is overloaded	3. Decrease the load; this is dangerous
	4. The brakes require adjustment	4. Check brake pad wear and if necessary contact after sales care or dealer
	5. The battery is old or requires replacement	5. Replace the battery
The battery will not charge	1. Bad connection	1. Check the connections between the battery and the scooter and / or the charger
	2. Non-original charger is being used	2. Use the original charger; use of other chargers is dangerous
	3. The battery is old or requires replacement	3. Replace the battery
Console display 99	Controller communication failure	Contact after-sales care or dealer

Console display 98	Controller has suspended operation (owing to possible overcurrent, stall, undervoltage or overtemperature)	Stop for a while and attempt to start again
Console display 97	Controller power tube error	Contact after sales care or dealer
Console display 96	Controller hall sensor error	Contact after sales care or dealer
Console display 95	Controller throttle error	Contact after sales care or dealer
Console display 94	Battery communication failure	Please check whether the charging interface is connected, if not contact after sales care or dealer
Console display 93	Charge overcurrent	Stop charging and check the charger
Console display 92	Charge overvoltage	Stop charging and check the charger
Console display 91	Battery high temperature	Stop charging / stop riding
Console display 90	Battery discharge overcurrent	Stop riding immediately until error resolves

Console display 89	Charging low temperature	Charge battery in a warmer place and wait for it to warm up
Console display 88	Discharge low temperature	Put battery in a warmer place and wait for it to warm up
Console display 87	Network connection is abnormal	Move scooter to a more open space; if unresolved contact after sales care or dealer
Console display 86	GPS connection exception	Move scooter to a more open space; if unresolved contact after sales care or dealer

## Delivery certificate

This certifies that a pre-delivery inspection has been carried out by an authorised dealer / Vmoto UK in accordance with PDI check sheets in force

----- Signature of tester and dealer stamp  ----- Date
--

Vehicle identification number (VIN):
Model name
Warranty version
Date of delivery
Dealer name and address

## **Service history**

All of the inspections and services should be carried out either by Vmoto UK or a dealer authorised by Vmoto UK.

Inspections are due within 100 miles of when they are stated to be due. Inspections must be carried out at least annually, no matter what the distance ridden.

The mandatory checks to be carried out at each service are:

- Charge batteries (note battery guidelines) and check contacts
- Check tyre pressure and correct if necessary
- Check tyre wear and replace tyre(s) if necessary
- Check brake pads and discs and correct / replace if necessary
- Check all main screws against torque requirements
- Check screws, nuts and fastening points
- Check motor mountings, stand mountings, suspension struts, fork and handlebar bearing
- Check the functioning of front and rear suspension
- Check that all operating parts are in working order
- Check all lights
- Check directional stability, front and rear brakes and handlebar

<p style="text-align: center;"><b>Inspection</b> <b>500 miles or 6 weeks</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>2,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>
<p style="text-align: center;"><b>Inspection</b> <b>4,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>6,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>

<p style="text-align: center;"><b>Inspection 8,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection 10,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>
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<p style="text-align: center;"><b>Inspection 28,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection 30,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>

<p style="text-align: center;"><b>Inspection</b> <b>32,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>34,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>
<p style="text-align: center;"><b>Inspection</b> <b>36,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>38,000 miles</b></p> <p>miles: _____</p>  <p style="text-align: center;">----- Date, signature, stamp</p>

<p style="text-align: center;"><b>Inspection</b> <b>40,000 miles</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>42,000 miles</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>
<p style="text-align: center;"><b>Inspection</b> <b>44,000 miles</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Inspection</b> <b>46,000 miles</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>

<p style="text-align: center;"><b>Odometer changed</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>	<p style="text-align: center;"><b>Odometer changed</b></p> <p>miles: _____</p> <p style="text-align: center;">----- Date, signature, stamp</p>
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