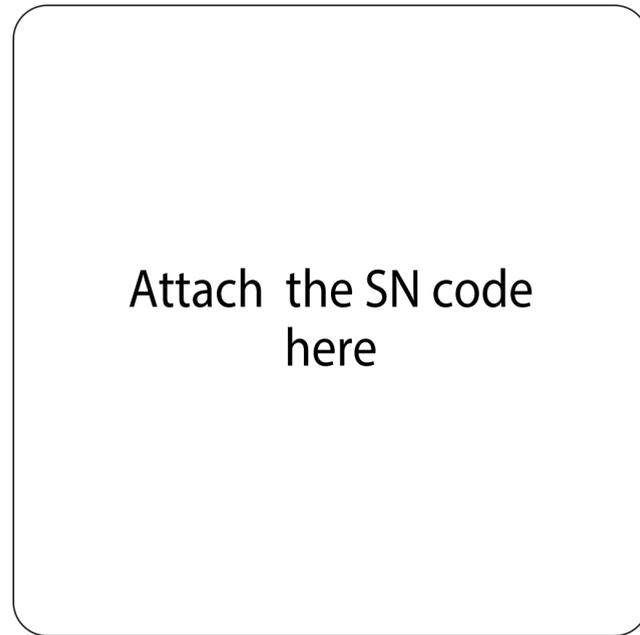


FORBOS 
MODEL X

QUALITY MATTERS

USER MANUAL

QR Code



Your scooter QR code

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General notice



Please read this User Manual carefully for proper use before riding the scooter.

- For your safety, please check whether the parts are in good condition according to this User Manual before riding. Contact your dealer in time in case of any problems.
- Please follow the traffic laws. Slow down on slippery roads in bad weather to avoid unnecessarily extending the braking distance for your own safety.
- Please avoid riding through water. Water can cause corrosion, engine failure or irreversible damage to the battery or other parts of the scooter.
- Do not disassemble the scooter yourself. Please contact your dealer for replacement or purchase of original parts. For others' safety and to prevent unnecessary damage to your scooter, do not lend your scooter to those who cannot operate it.
- Please keep the User Manual properly.

Precautions



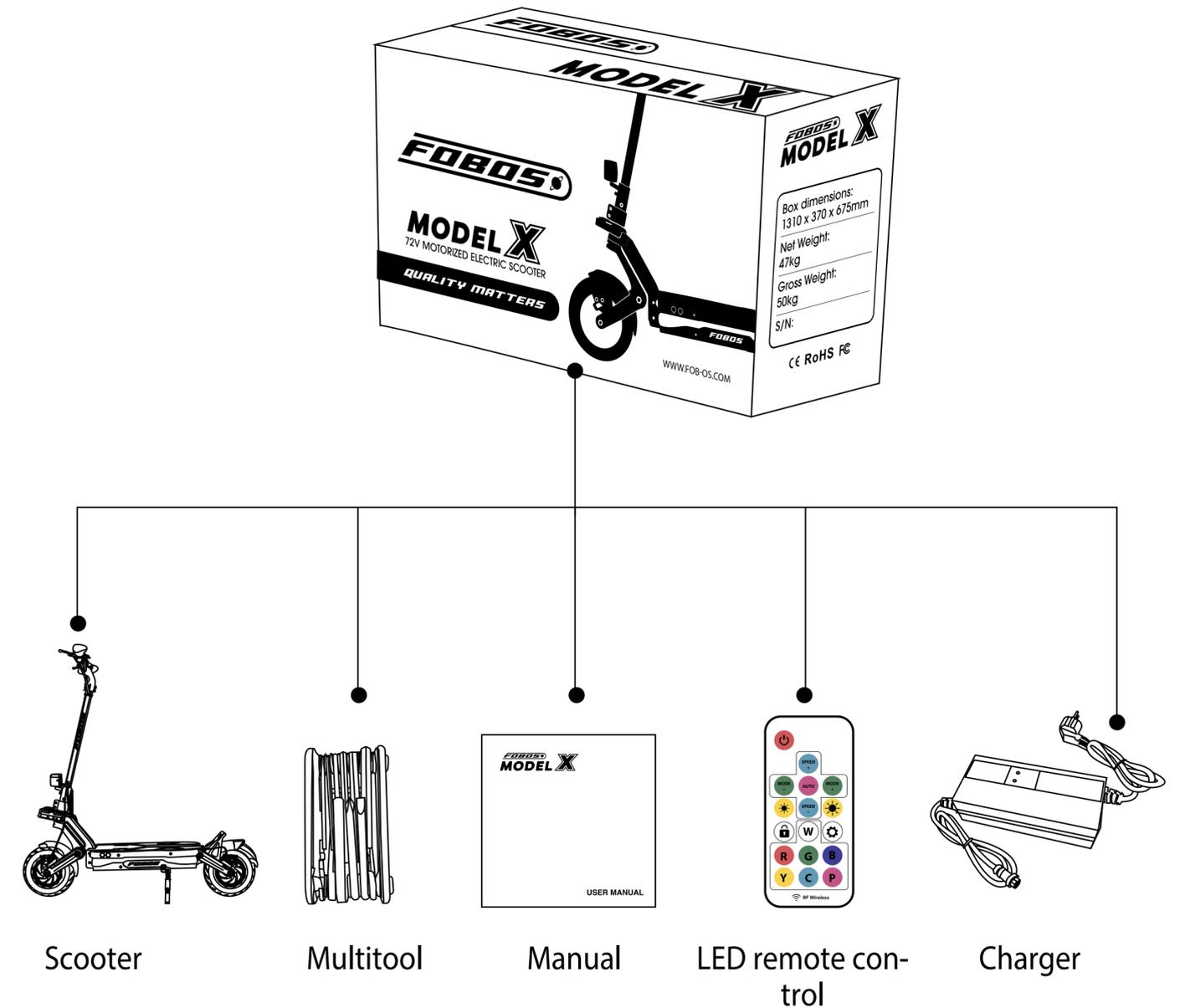
- This scooter is designed to ride for ONLY one person.
- This scooter is not designed for off-road use.
- This User Manual should be deemed as a permanent document of this scooter. If this scooter is transferred to others, this User Manual should also be handed over to the new owner.
- Reproduction or reprint of any part of this User Manual is strictly prohibited.

Safety notice

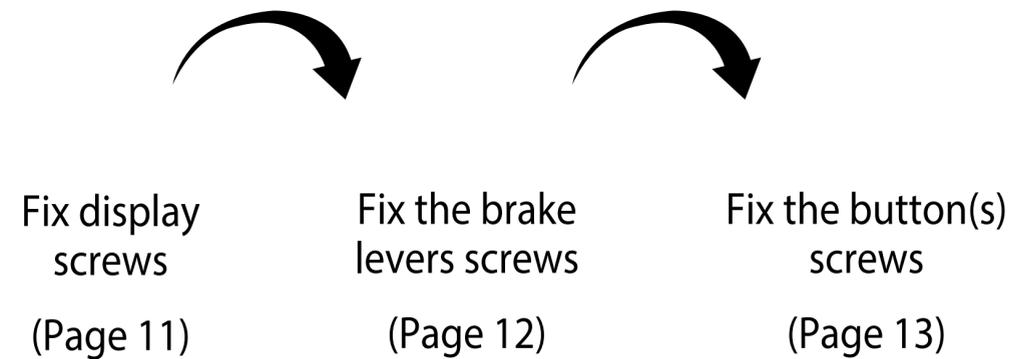
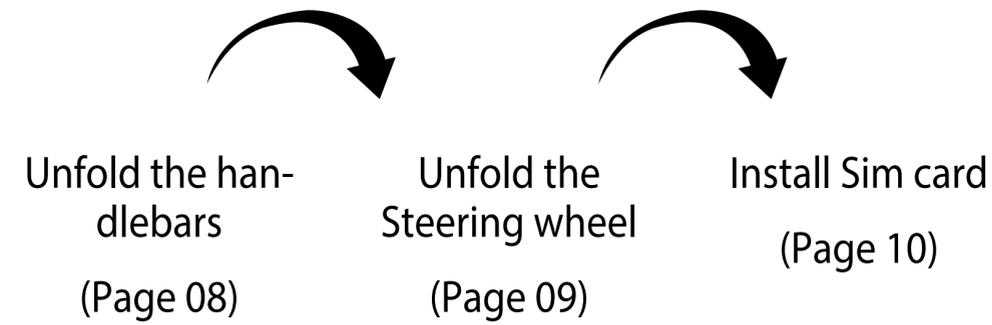


- For personal safety use a suitable helmet, protective glasses, and protective gear when driving.
- You are advised to take proper training before riding on public roads.
- Please follow the Operation Guide to fully understand how to properly operate the scooter.
- Note that the braking distance in bad weather will be much longer. Please avoid braking on paint markers, manhole covers, and oil stains to prevent slipping.
- Pay extra attention when riding through railway crossings, junctions, tunnels and bridges. Slow down if road conditions are unclear.
- Do not use high beams indiscriminately. Continuous use of high beams may interfere the vision of other drivers and pedestrians.
- Do not use mobile phones or other electronic devices which may distract attention while riding.

Box set



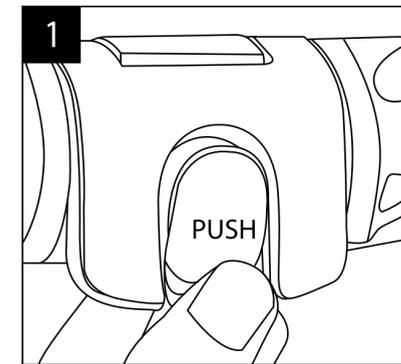
Installation guide



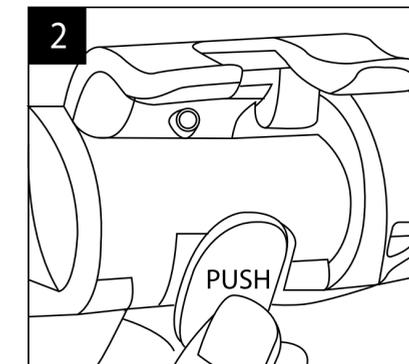
Exploitation



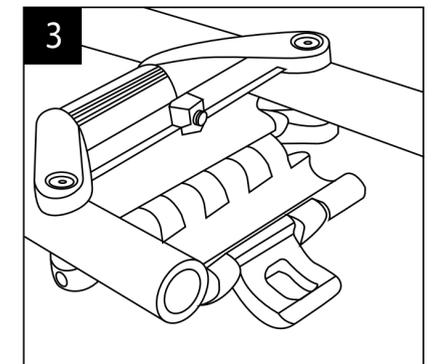
To fold the handle bars:



Press the "PUSH" button to disable the lock mechanism.

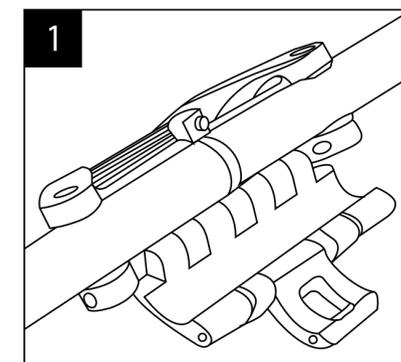


Lift the locking latch away from the handle bars while still pressing the "PUSH" button.

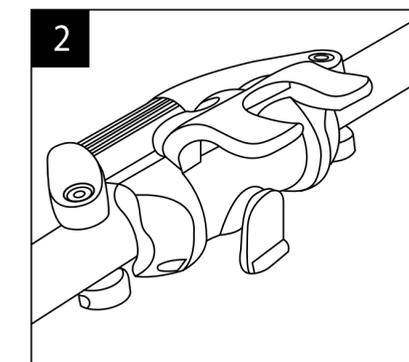


Disconnect the other end of the latch from the lock position and fold the handle bars out of the driving position.

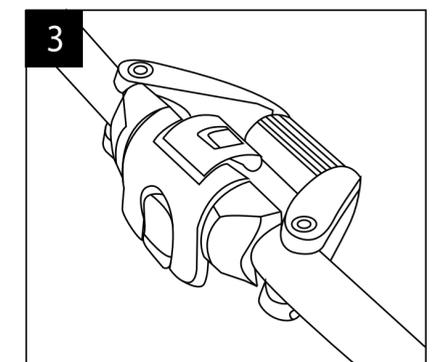
To unfold the handle bars:



Push the handle bars back into the driving positions and hold them steady.



Connect the other end of the latch to the lock position.

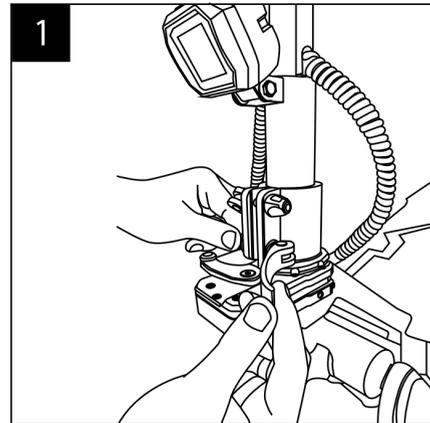


Close the latch by pushing it until keys into the lock mechanism.

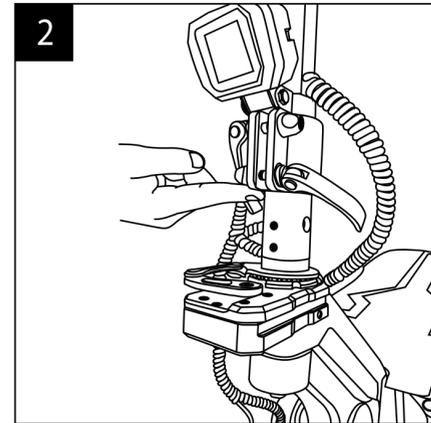
Exploitation



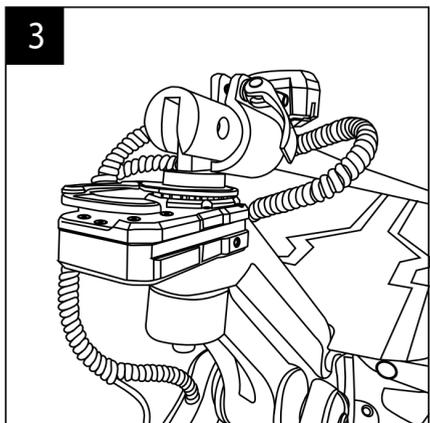
To fold the Steering wheel



Release the QR lever from the lock position and rotate to unscrew it.



Repeat this for the second QR lever and raise the locking slide upward.

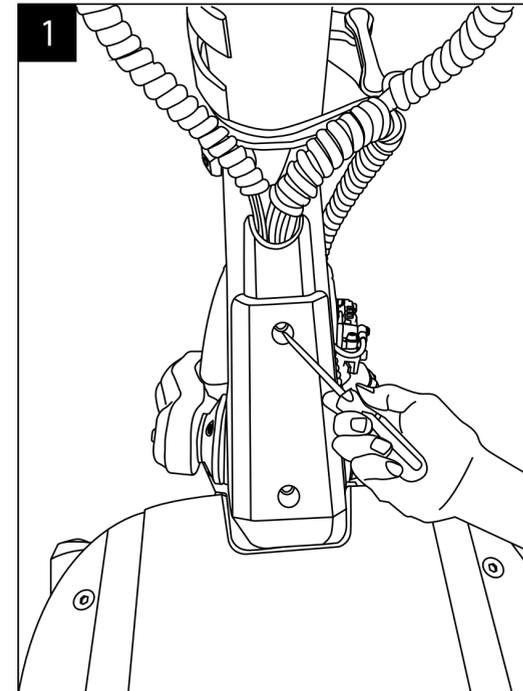


Fold the steering tube (Steering Post) out of the driving position.

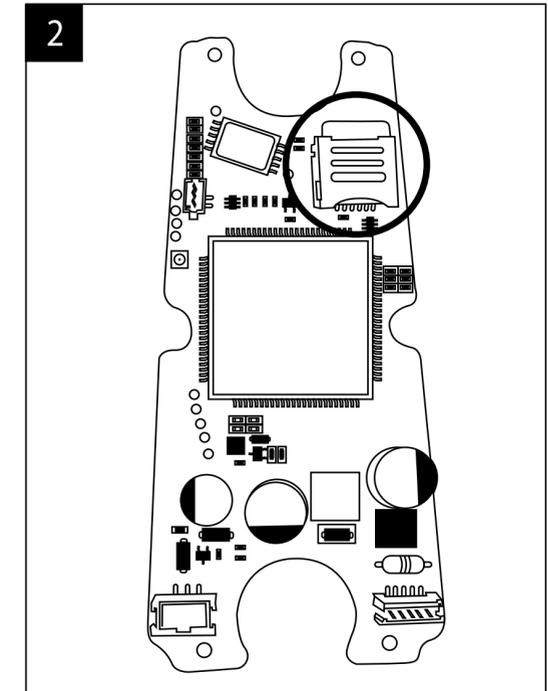
Install SIM card



To install the SIM card



Unscrew the 2 screws on the IoT plastic cover and find your IoT device under the cover.



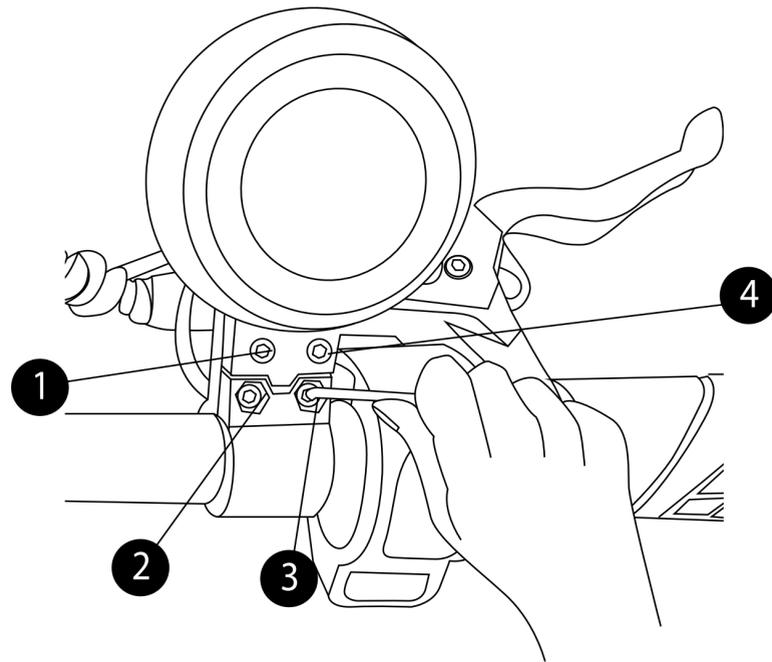
Install your SIM card to marked place on your IoT.

*Use tape in order to securely fix the sim card in its place.

Fix display screws



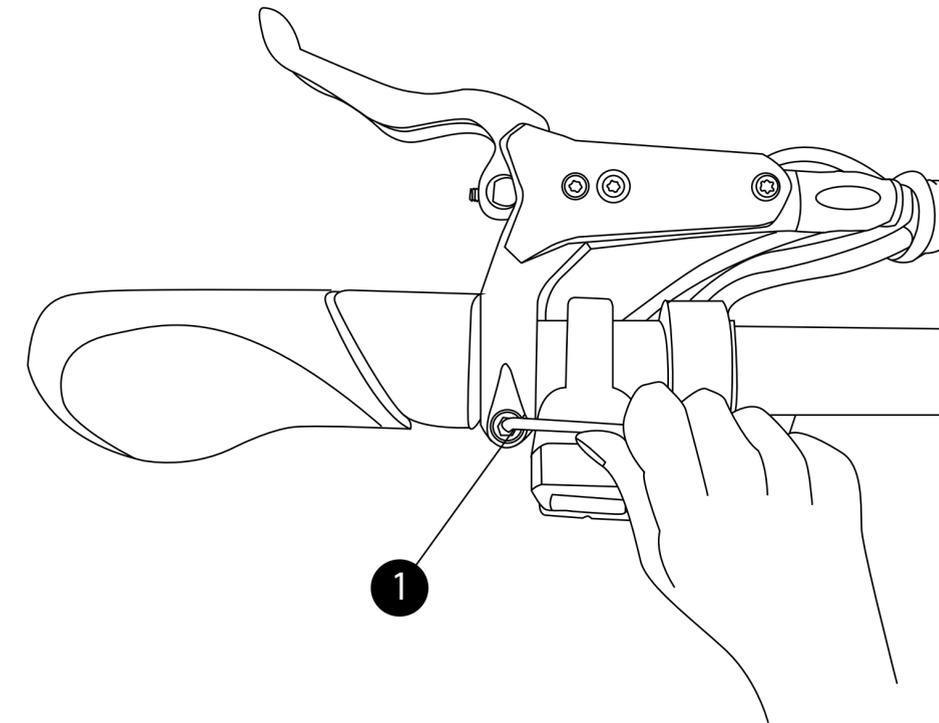
1. Connect the display to the right handlebar.
2. Secure it in place using the provided Allen bolts.
3. Insert the bolts into the provided openings and tighten them using a suitable Allen wrench.



Fix the brake levers screws



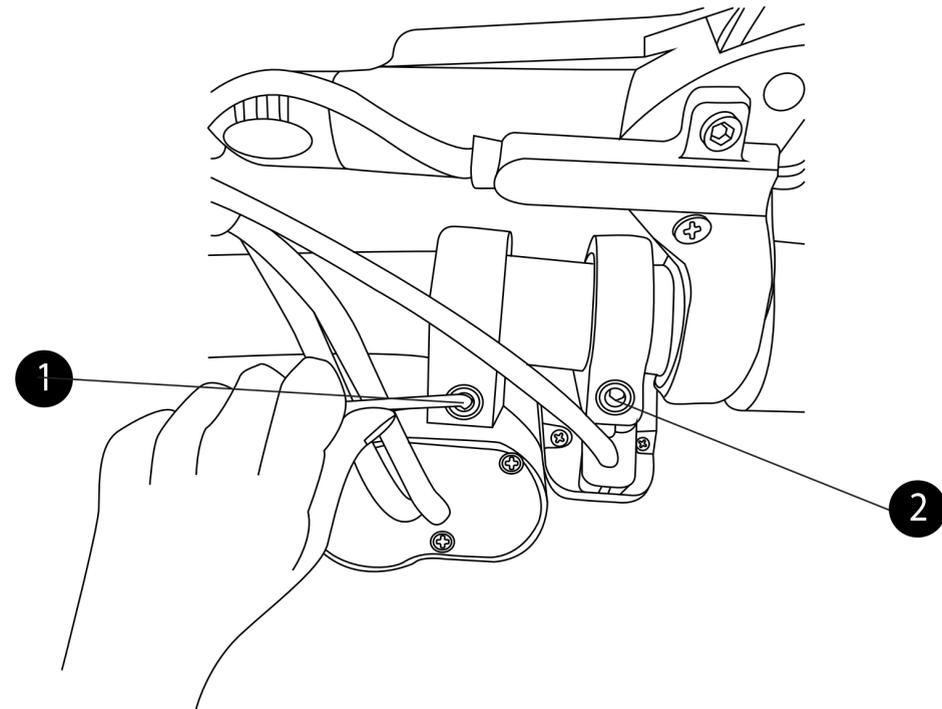
1. Secure the brake levers for the right and left sides of the handlebar.
2. Screw them into place using the provided Allen bolt and a suitable Allen wrench.



Fix the buttons screws



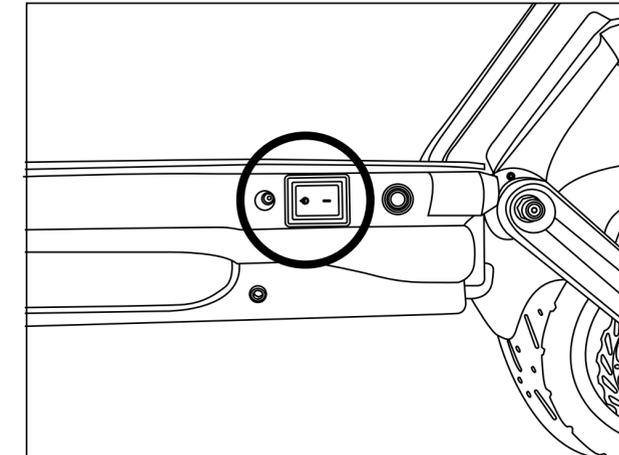
1. Attach the button panel to the left handle of the scooter.
2. Secure it in place by inserting the provided screws.
3. Screw them into place using a standard screwdriver.



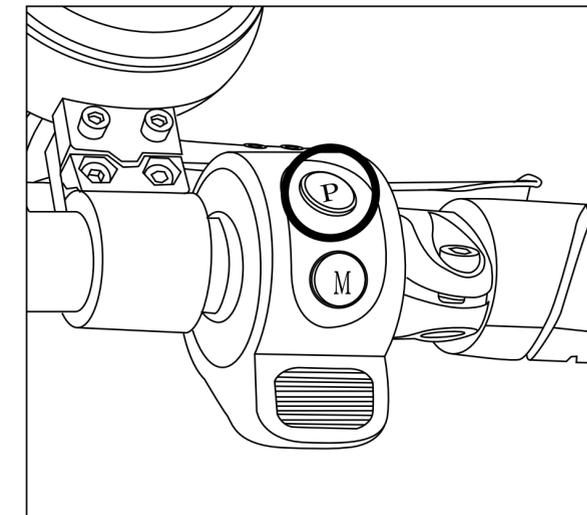
Turning scooter ON



1. Make sure the main switch is in the ON position.



2. Press the P (Power) button for 3 seconds to turn ON/OFF the scooter.



Menu



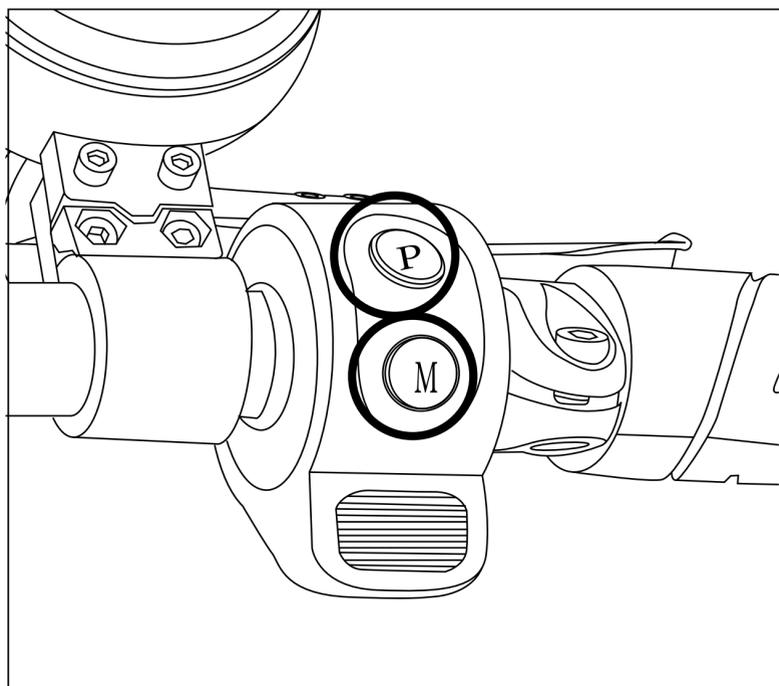
Press and hold the P (Power) button and M (Menu) button simultaneously for 3 seconds to enter the Menu.

To move through the Menu between settings, briefly press the P button.

To change the numeric values for each setting, press the M button.

Setting clarification:

1. To change the numeric values upwards, long press the P button until the letter "A" appears in front of the numeric value. Then the numeric values can be changed upwards.
2. To change the numeric values downwards, long press the P button until the letter "d" appears in front of the numeric value. Then the numeric values can be changed downwards.



Display settings



P01

Display brightness
1: dark
2: middle
3: bright

P02

Mileage unit
0: Km
1: Mile

P03

Voltage level

P04

Sleep time
0: no sleep; other numbers are sleep time, range: 1-60 minutes

P05

Gear Mode.
0: 3 gears mode
1: 5 gears mode

P06

Wheel diameter(inch)
5.0-50.0 adjustable, step: 0.1 inch

P07

Number of speed magnets
Range: 1-100

P08

Speed limit
Range: 0-100km/h

P09

Zero start non-zero start
0: zero start;
1: non-zero start

P10

Controller current limit setting

P11

Controller undervoltage value

P12

Electric (regenerative) braking
Range: 1-5

P13

Cruise control settings
0: disable cruise,
1: enable cruise

P14

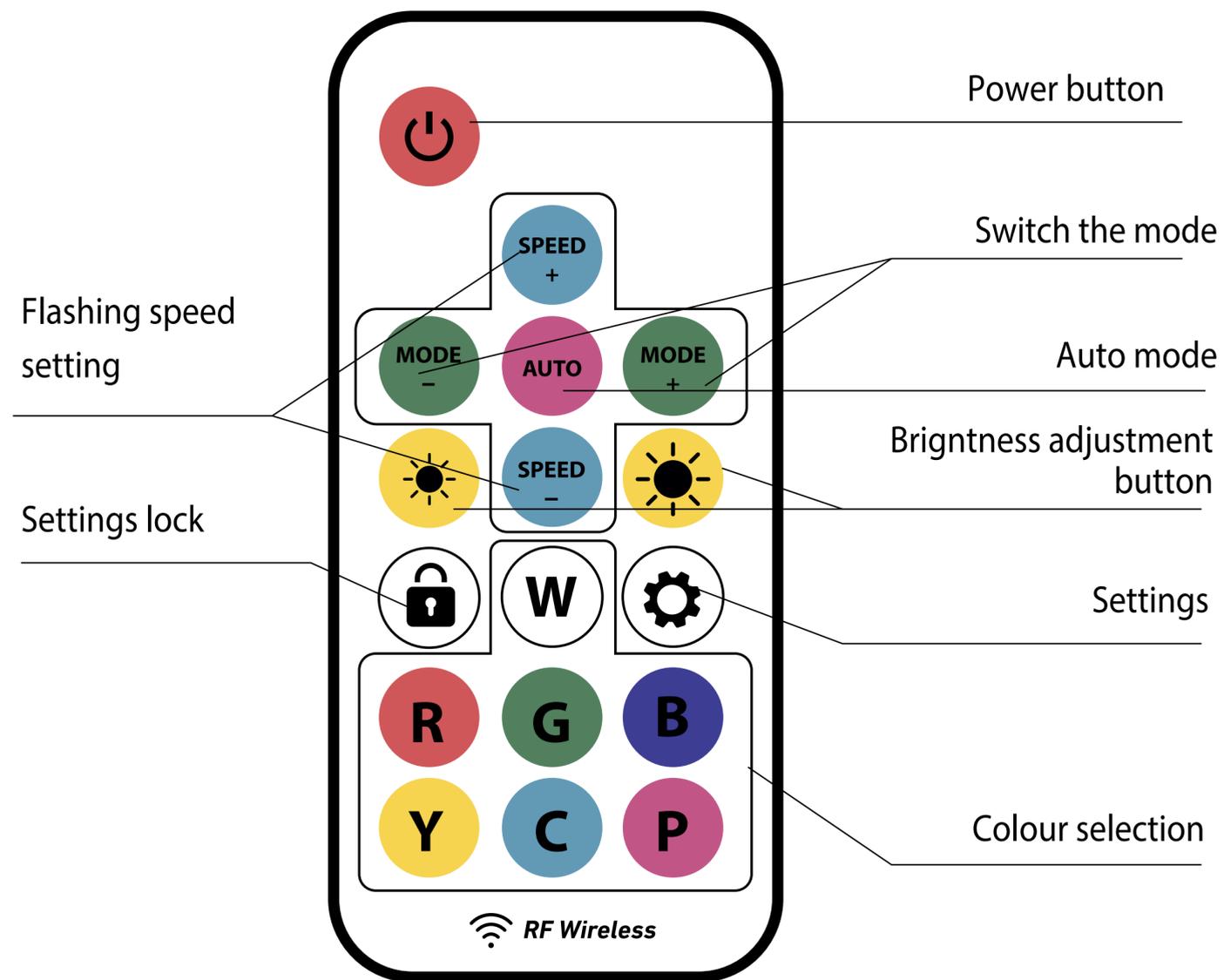
Display speed ratio adjustment
Range: 50%~150%

P15

Enable gear 0
0: including gear 0,
1: not including gear 0

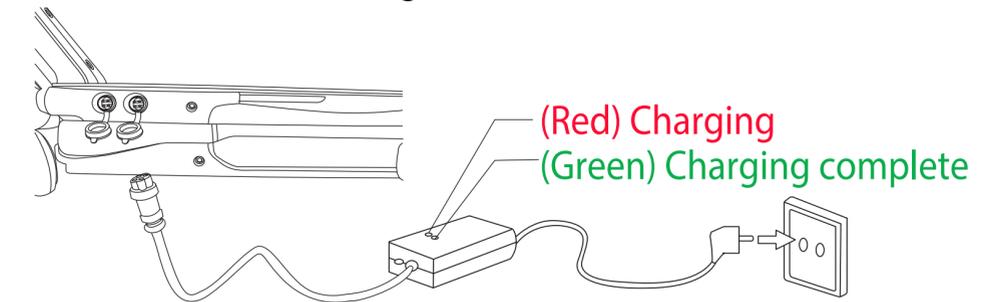
P16

Acceleration power
Range: 1-5 (from weakest to strongest)



Basic charging method

1. Plug the charger into the socket first. Check that the green LED is lit and the charger is not damaged (smoke, unusual smell, strange noises, etc.). Then open the charging port cover and connect the the connector of the charger.
2. The information LED will turn red during charging. When the battery is fully charged, it will turn green. Then disconnect the charger from the scooter first and then from the power outlet.



3. Be sure to close the charging port cap before riding or storing the scooter.
4. When connecting the connector to the charging port, sparking may occur due to voltage differences which is a common occurrence.

Attention

1. Manufacturers and sellers are not responsible for problems caused by improper intervention, disassembly, modification of the charging system or use of non-original chargers.
2. Do not make use of the charger in places subject to high humidity, heat, flammable materials, confined spaces, or where there is no ventilation.
3. The charger is thoroughly sealed to prevent moisture from entering the charger but the charger is NOT waterproof.
4. Children and pets should not be allowed to approach the charger. Contact with the charger while it is in use may cause electric shock.

Charging



5. Discontinue use immediately and contact the service centre if the charger lamp does not light, the charger falls or experiences strong external shock, or the cable cover is damaged.
6. Unplug the charger from socket if you do not intend to charge.
7. Use only the original charger.
8. Do not insert conductors into the charging port.
9. Do not touch the plug for about 10 seconds after unplugging the charger. There is a risk of electric shock from instantaneous discharge.
10. Do not remove the terminal during charging. Charging the internal circuit of the charger may cause a malfunction.
11. Do not operate the product during charging.
12. Charging terminals should be in firm contact during charging. Do not use if terminals are corroded or damaged.
13. When disconnecting the charger from the product, it is safe to hold the terminal without holding the wire



Caution

* Short-circuit Caution: Be careful not to short-circuit the battery as this may cause the battery to drain quickly, overheat or explode.

* Overcurrent Note: The battery of this product is designed to automatically shut off the power supply to protect the battery when the current is over 100A.

* Low Voltage Caution: The battery of this product is designed to be automatically shut off when the voltage drops below 60V. Do not use the product in a low voltage state.

Product specifications



Product Name	FOBOS Model X	
Motor	MAX 8400W/10080W BLDC MOTOR (depends on model)	
Battery type	Li-ion 21700 Battery pack	Samsung/LG/LS
Controller	2x50A/60A Sine-wave controllers	(depends on model)
Battery capacity	72V 40Ah (Limited)	2880Wh
Charging time (5A)	6-8 hours	When using the standard 5A charger
Charging time (10A)	3-4 hours	When using 10A official charger
Max mileage	140-160 km/87-100 miles	Depends on numerous circumstances including but not limited to weather, rider's weight, average speed, battery status, temperature, etc.
Max Speed	Around 100km/h/62 mph	
Gradeability	Around 35°	
Max load	160kg/350lbs	
Product weight	Around 49kg	
Unfolded size (L*H*W), mm	1260*1350*625	
Folded size (L*H*W), mm	1260*570*310	

Product specifications



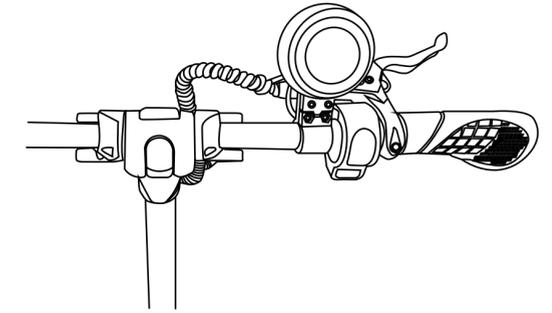
Display + gas pedal	Design, development and construction FOBOS MOTORS LTD	Thumb throttle
Light	Dual LED headlight and taillight, big front light, brake lights are built-in	With AC to DC converter
Brakes	Hydraulic brakes + 160mm disk	Front and rear wheel
Suspension	Adjustable rubber suspension	
Damper	Preinstalled hydraulic rotor damper	Adjustable
Horn and turn signals	Pre-installed horn	
Tire	11-inch ultra-wide tire (Proper air pressure 45-50 psi)	With/without inner tube
Product material	Frame and handle: Aluminium forging alloy	

Safety rules



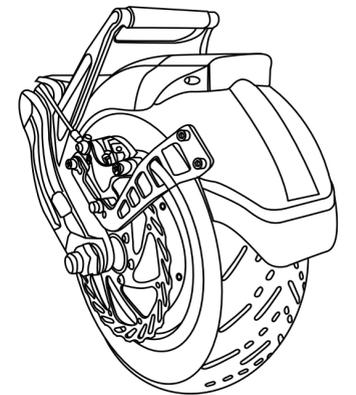
Check throttle and handle

- Operate the accelerator throttle lever about 2 – 3 times to check whether it returns to the home position.
- Excessive throttle leaning and manipulation can cause malfunction due to internal parts damage.
- Check the fastening condition and clearance of the QR lever on the handle.



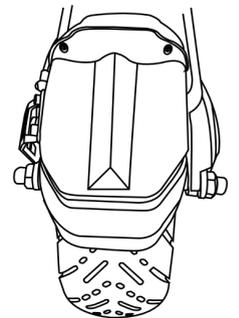
Check brake and cable

- The braking force is sufficient to check the operating condition. If the braking force is significantly lowered, use it immediately after inspection and action.
- Check and make sure that the brake pad is not worn, the cable is not loose, the cable is not damaged, or there is no leakage in the case of hydraulic brakes.
- If there is an unusual feeling or noise during operation, check for breakage, wear, and deformation of the inner wire of the brake cable.
- Check that the bolts and nuts of the brake fixing parts are not loose. Ensure that the disc is not deformed or damaged.



Check tire pressure and uniaxial condition

- Check the front and rear tires for wear and punctures. Check the proper air pressure (45 to 50 psi) for the tire. Under-inflation (tube version) increases the risk of puncture, so check the pressure more often.
- It is necessary to judge the replacement time by observing the appearance of the tire such as tire damage, uneven wear.

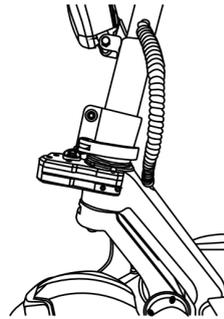


Safety rules



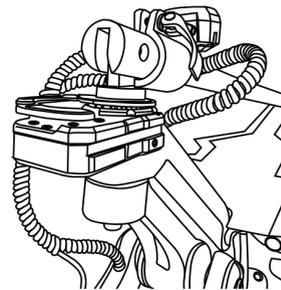
Tightening check such as folding part and handle part

Make sure that the bolts and nuts of all parts of the product are properly tightened and are not easily loosened. Check the fastening condition and clearance of the foldable and fixed parts of the handle (QR lever, fixed slide, hinge centre bolt, headset nut, swing arm, etc.)



* If there is a folding clearance,

if there is a folding clearance, it can be adjusted with a tongue bolt. However, if you pull it too hard, it will become stiff without a gap and may cause a crackling sound. In this case, readjust with the tongue bolt properly and the noise should disappear with the proper clearance also adjusted.



* In this case, stop driving immediately.

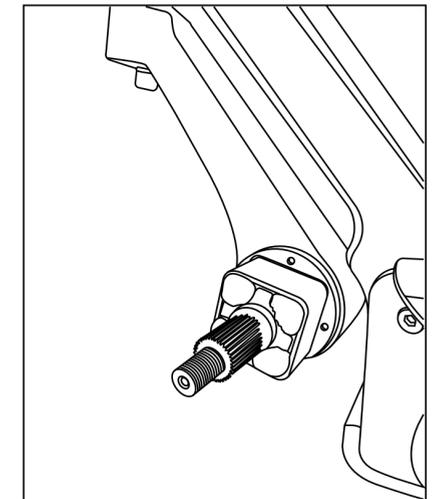
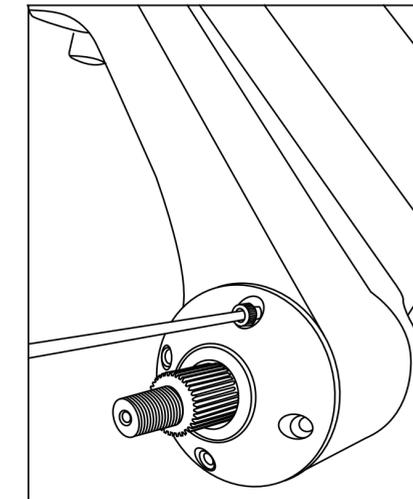
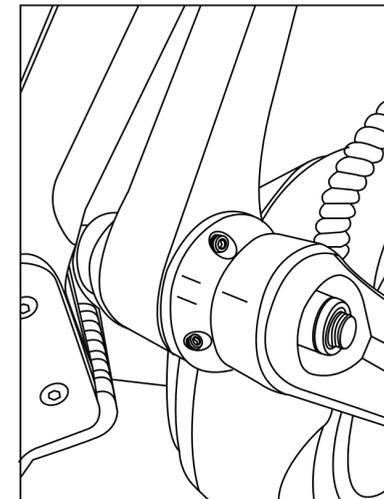
If you encounter any of the following situations while driving, stop driving immediately and contact the nearest branch or service centre for proper measures. If you provide pictures and videos to get an accurate diagnosis, professional counseling is available.

- Unusual heating of the motor
- Braking status error
- Error messages on the instrument cluster
- Abnormal noise when the throttle is returned to its original position
- Production of smoke or sour odour during ignition
- When in rainy or wet weather conditions
- When driving is judged to be unreasonable.

Suspension



1. Disconnect the front fender from the assembly with a 3mm wrench. Loosen the 18mm nut on the motor side and then Loosen the 19mm nut on the swing arm side. After loosening, remove the suspension arm.
2. Adjust the motor shaft distance, the rubber cartridge replacement and the arm length to the desired suspension strength.
3. Replace the cartridge when it is missing by loosening the nuts with a wrench and loosening 3mm bolts nuts. It can be changed depending on personal preference.



Mobile application

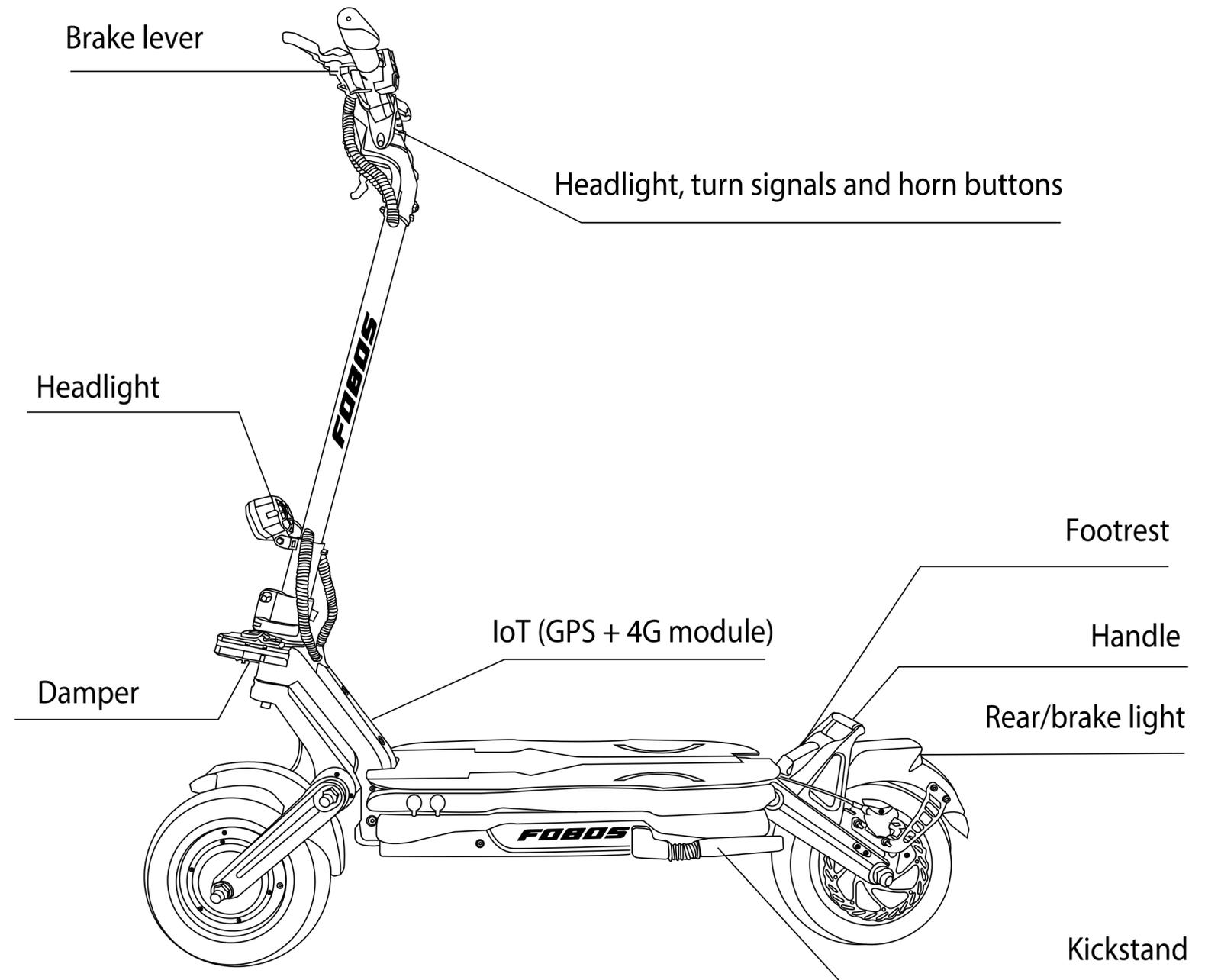


Functions such as checking the battery level, locating, and management can be implemented on the electric scooter through the app.

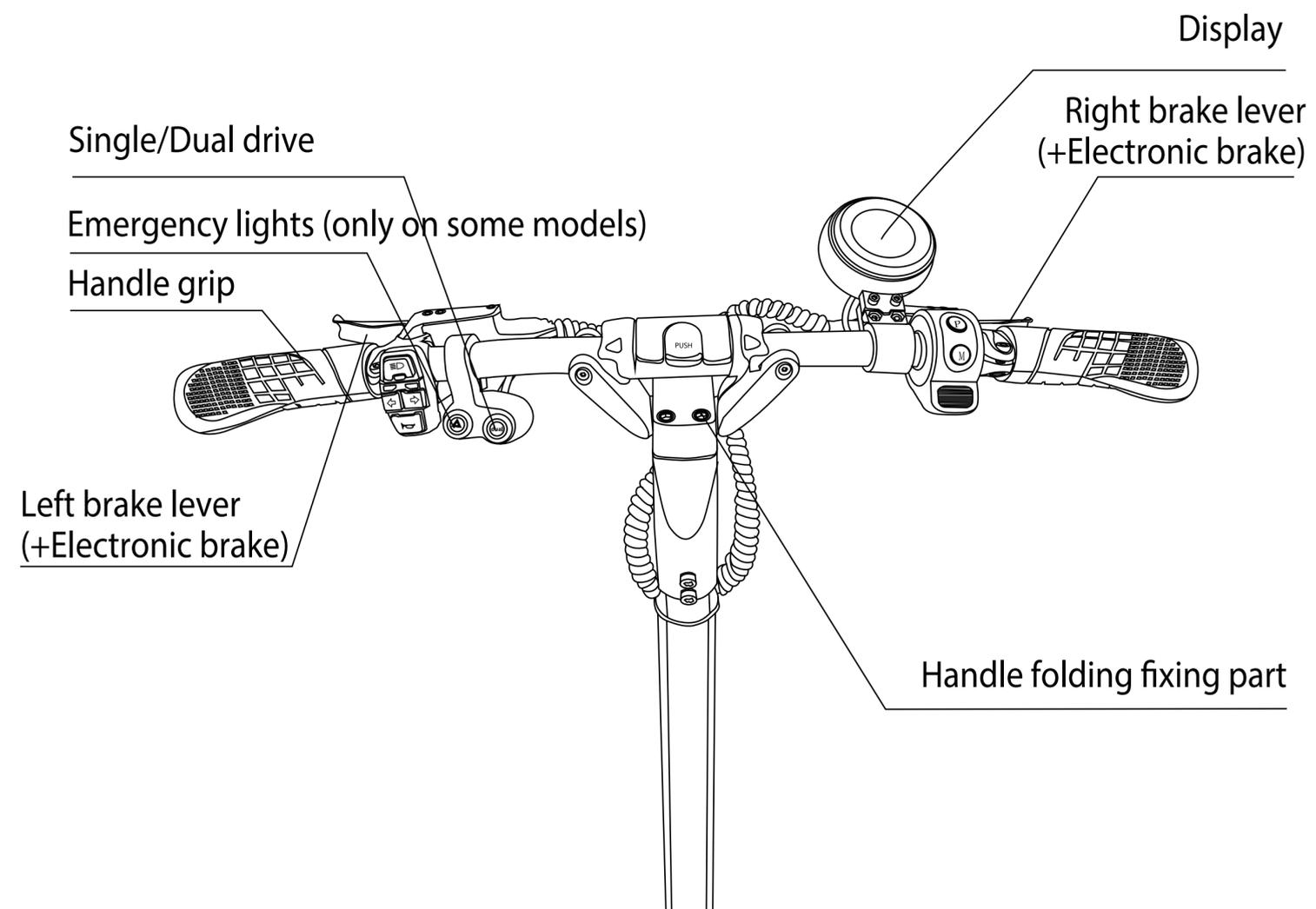
1. Download the APP titled Fobos E-Scooter.
2. Run Setup after downloading and register.
3. Please scan the QR code on the inside of the cover page for app registration.

Note: The mobile phone system is required to be at least Android 4.0 or iOS 8. Make sure that the mobile phone has been connected to the Internet when running the app (Wi-Fi / 2G / 3G / 4G, 5G).

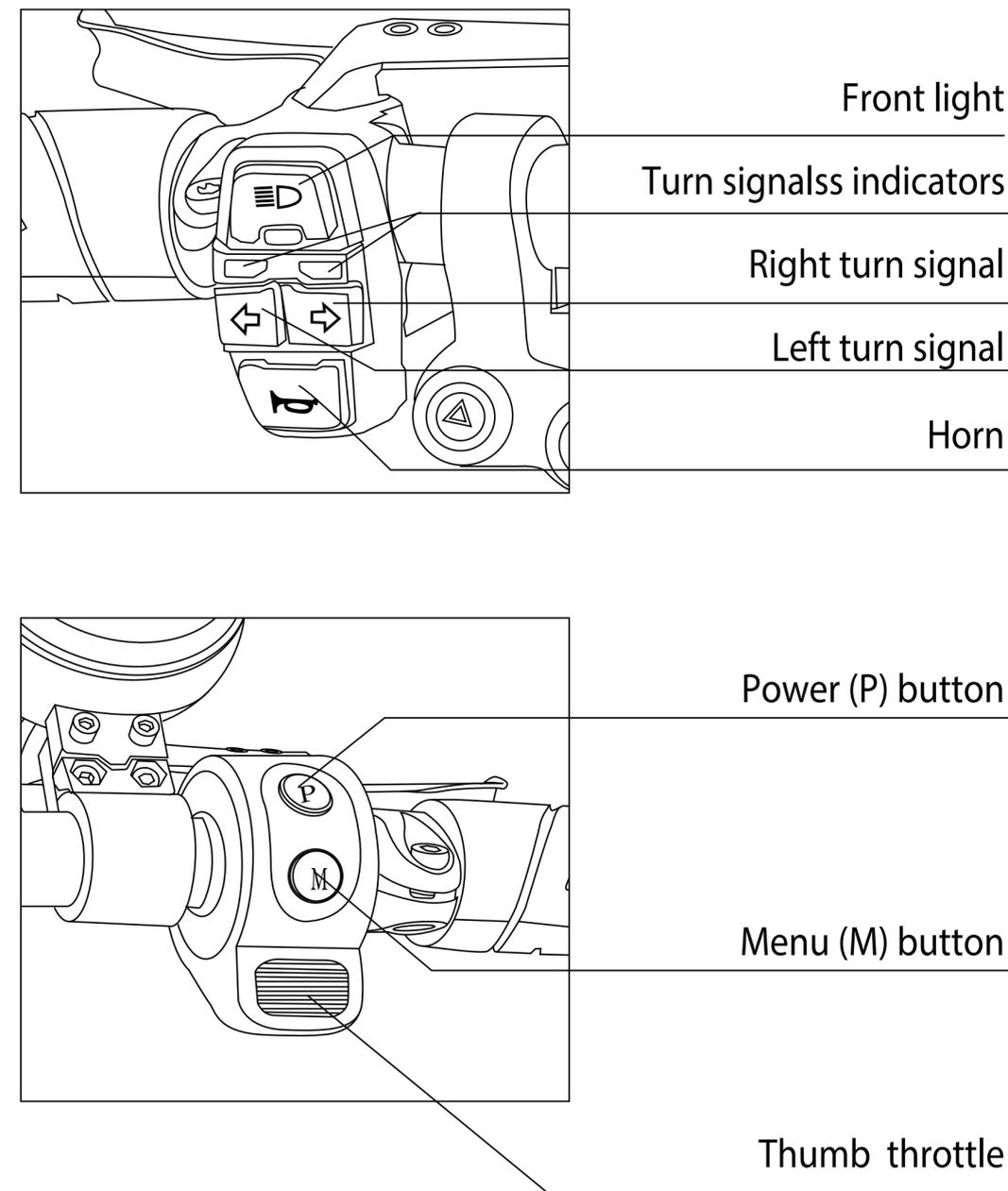
Parts info



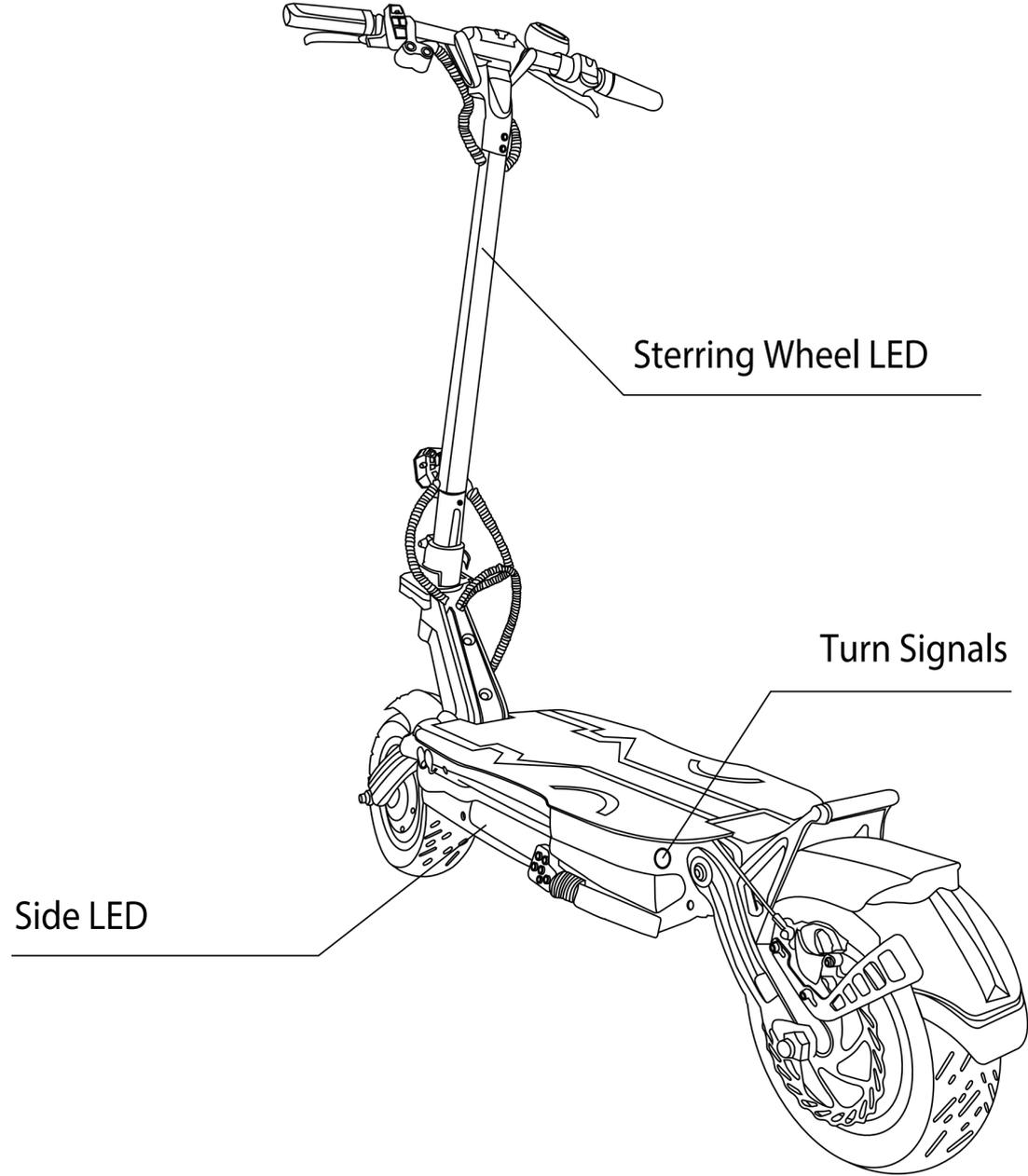
Parts info



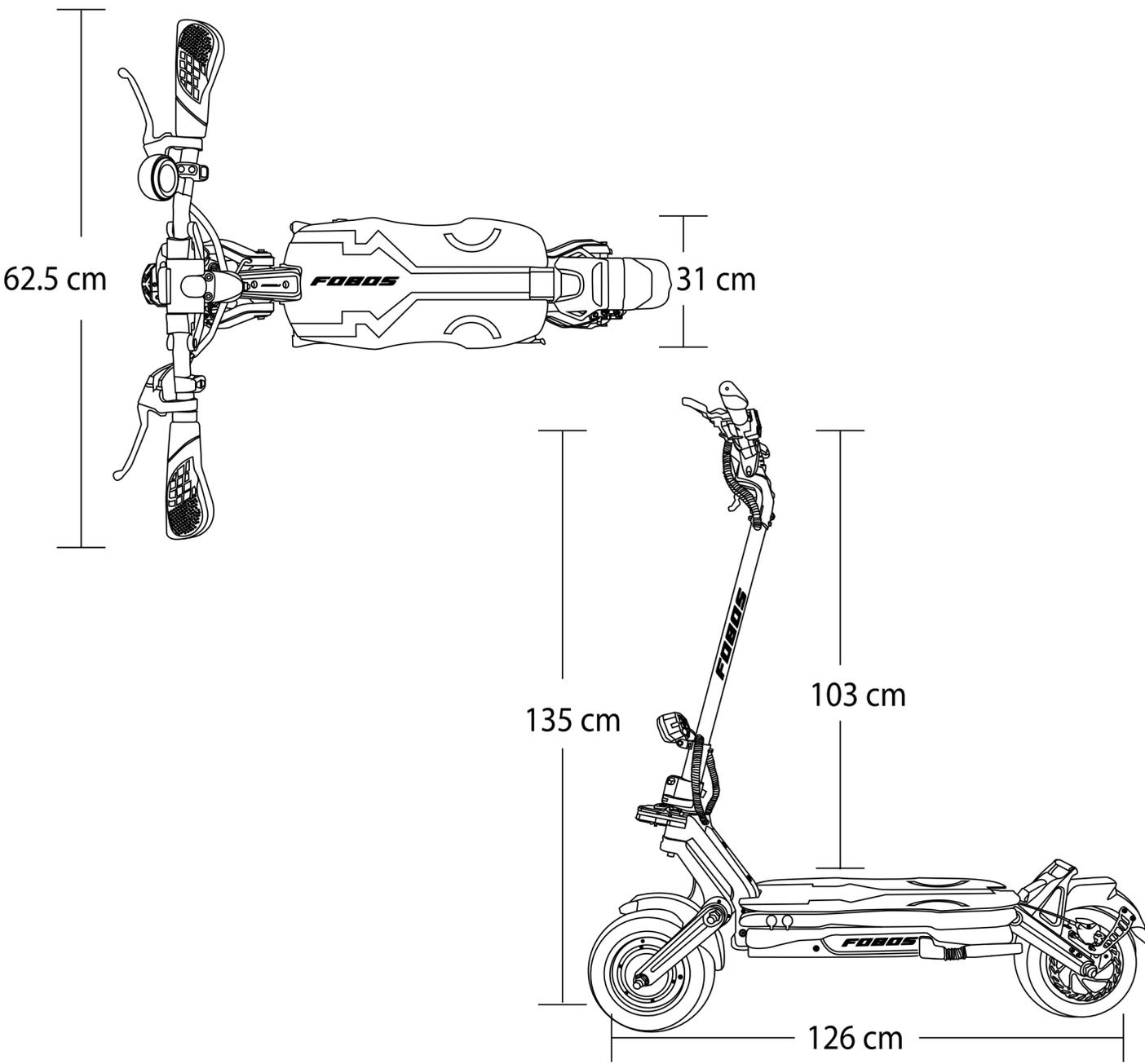
Parts info



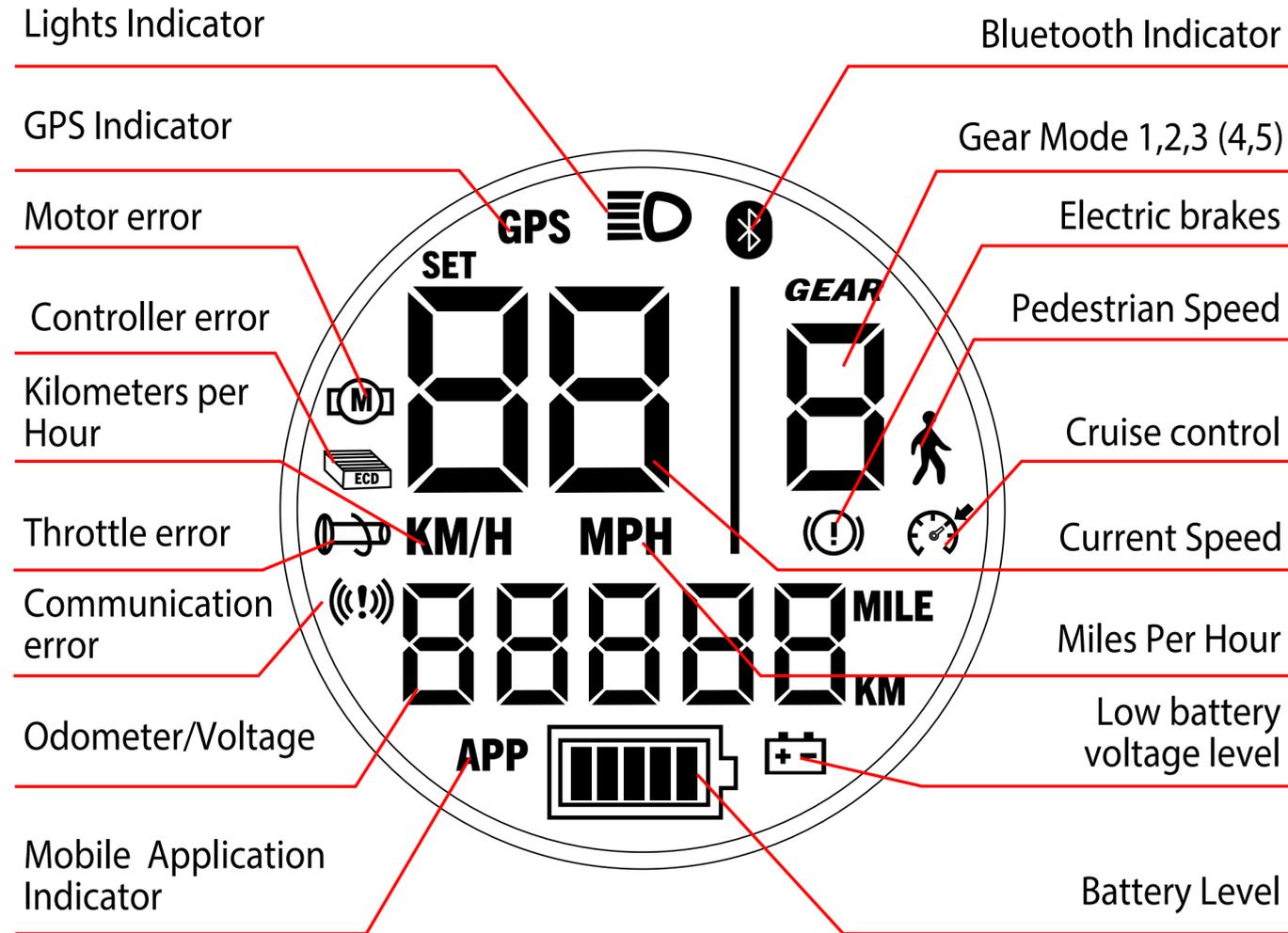
Parts info



Product size



Dashboard display info



Battery use and maintenance guide



Using Environment

1. In order to prevent possible leakage, overheat, smoking, fire or explosion, please follow these instructions:
2. The battery should be used at the temperature of -10°C to 45°C.
3. Do not expose to water, beverages or corrosive liquids.
4. Keep away from heat source, open fire, inflammable and explosive gases and liquids.
5. Please keep metal parts away from the battery compartment.

In case of undesirable odor, noise, overheat or deformation of the battery, please disuse the battery immediately, keep away from the battery and contact your dealer.

Warning



- All operations should strictly conform to the user manual. If not, the result will be assumed by the user.
- Must always make use of an original charger.
- Pay attention to the type of battery and applied voltage. Charging with other voltage is prohibited.
- Charging should be in a ventilated environment. DO NOT charge in closed space or under high temperature. DO NOT put the charger into the trunk or tail box while charging.
- When charging, connect the charger first to the power outlet and then to the battery connector of the scooter. After the battery is fully charged, disconnect the charger from the battery connector and then from the power outlet.
- When the green light turns on, disconnect the power in time.
- Avoid long-time connection between the charger and AC power supply while not charging.
- If the indicator light (charger information LED) flashes unusually during charging, the charger smells or has too high a temperature, immediately stop charging and check or replace the charger!
- When using and storing the charger, please prevent foreign matter, especially water or other liquid, from getting into the case. This may cause an internal short circuit.
- DO NOT carry the charger on the scooter, but if you must, make sure it is stored properly and it is not subject to any shocks.
- DO NOT disassemble or replace parts in the charger!

Warning



- If the battery cannot be fully charged after 12 hours, please stop charging and contact your dealer.
- To maximize the battery life, please keep the battery percentage within 20% to 80%.
- The battery will lose more capacity in lower temperature conditions. To be more specific, the usable capacity at -10°C is 70%, 85% at 0°C, and 100% at 25°C.
- The best battery capacity performance for storage is 50%. Storing the battery with less than 10% or more than 90% over a long time will cause irreversible capacity loss to the battery.
- For longer storage, it is best to remove the battery from the scooter (requires professional assembly). In this condition, please keep the battery at the temperature of 0°C to 20°C with a capacity of 30%-70%. We recommend checking the battery status every 2 months and recharging it if necessary at the required level during storage.
- If battery failure is caused by improper use or inadequate maintenance according to this User Manual, its legal warranty is void.
- Falling may cause uncontrollable internal damage to the battery and may cause leakage, overheat, smoking, fire or explosion.

Maintenance record



Date		Mileage	
Notes			
Dealer			

Maintenance record



Date		Mileage	
Notes			
Dealer			

Maintenance record



Date		Mileage	
Notes			
Dealer			

Maintenance record



Date		Mileage	
Notes			
Dealer			

Maintenance record



Date		Mileage	
Notes			
Dealer			

Maintenance record



Date		Mileage	
Notes			
Dealer			