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Made in China



USER MANUAL

*Before your first operation, please read the user manual carefully!

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1. Note

Before your first ride, it is important for you to know your new e-scooter well, so that you can get the best performance, comfort, enjoyment and safety from it during your ride. To understand the new scooter and the correct operation, you should first read the manual carefully.

Second, it is significant to take your first ride under a safe and controlled circumstance, like staying away from cars, obstacles and other riders.

Third, scooters are vehicles with certain risks. It's necessary to learn the local traffic rules about riding e-scooters on public roads before your first ride and follow the rules on your each ride. For your own safety, never forget to put on a qualified helmet before getting on the scooter. Protective gear, like elbow guards and knee pads, is suggested for a better protection.

Fourth, the electric scooter is supplied without basic mandatory equipment, which may vary from place to place. Therefore, if you intend to use the e-scooter on public roads, it's necessary to equip the scooter with the basic mandatory equipment, in accordance with the relevant laws and regulations.

In addition, this product is designed for your personal use. Do not use it for commercial or other purposes.

Last, keep this manual safe for reference.

2. Warning

Before each charge, check the charger, cable and plug. If there is any damage, do not use the charger.

Before riding, check the tire pressure and check whether the handlebar are installed correctly and tightly and whether the headlight is clean and not covered by anything.

Make sure the battery contains enough power before riding. If the battery level is low during your ride,

keep the scooter running at a slow and constant speed and charge it as soon as possible.

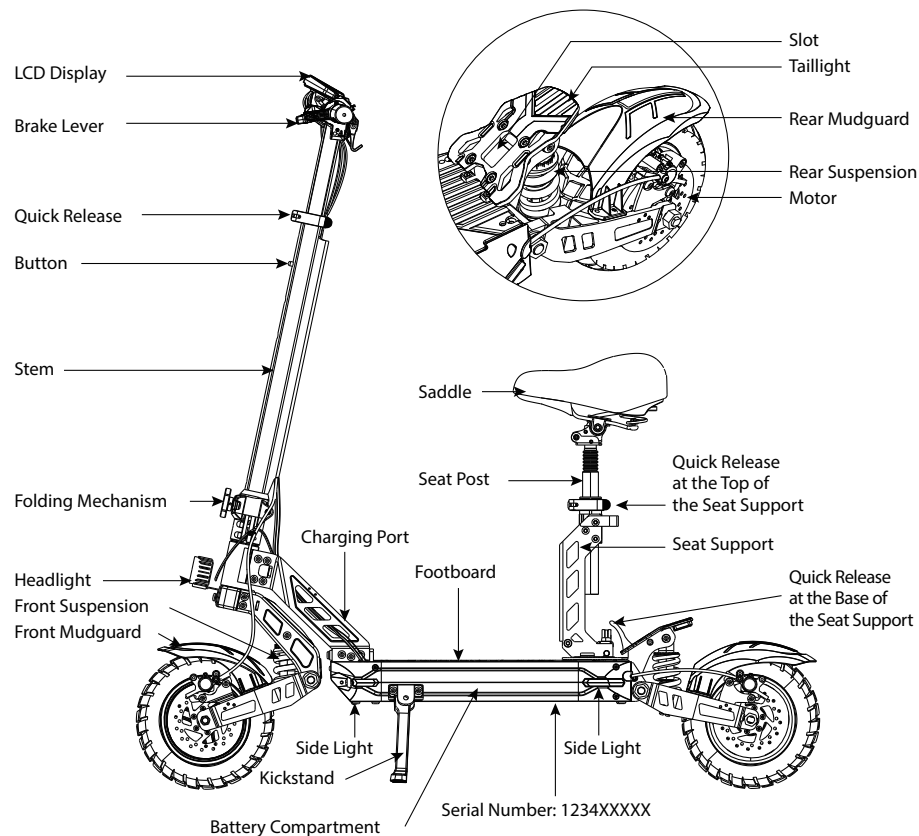
When braking on a wet road, the braking distance is usually longer than on a dry road. Therefore, brake earlier for a safer stop.

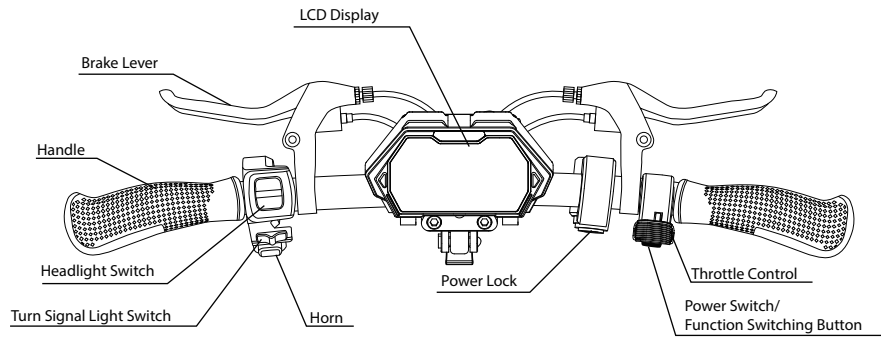
Furthermore, avoid puddles, wet mud, swamps, water, snow or ice. Try not to use the e-scooter on rainy, stormy or snowy days. If the electric parts (control unit, engine and battery) get damp, wet or soaked, it will cause irreversible damage, or even a battery explosion.

This product can only be used by one adult at a time. Do not carry any extra passengers. And don't ride it if you don't feel well or under the influence of alcohol or drugs.

This vehicle is not a toy. Same as other vehicles, it is possible to fall, crash or encounter other dangerous situations. Please don't offer your e-scooter to anyone that doesn't know how to use it correctly. If you let anyone else ride your scooter, it will be your responsibility to ensure that all riders understand all warnings, cautions, instructions and safety precautions, and to ensure that they are able to use this product safely and responsibly and protect themselves and others from injury.

3. Diagram





4. Specification

Model	Leopard	
Basic Spec.	Unfolded Size	49.2x23.2x51.2 in
	Folded Size	49.2x23.2x22.5 in
	N.W.	69.6 lb
	Length of Handlebar	23.2 in
	Handlebar to Ground (Level 1-3)	43.7/46.5/49.2 in
	Footboard Top to Ground	9.4 in
	Footboard Bottom to Ground	6.3 in
	Width of Footboard	8.3 in
	Uphill	25%
	Max Load	265 lb
	Waterproof Level	IP54
	Material of Frame	Aluminium Alloy
	Max Range	52 miles
Speed Level	9/22/34 mph	
Motor	Rated Voltage	48V
	Power	1000W
	Max RPM	1338
	Max Output Torque	25N.M
Battery	Capacity/Voltage	20.8Ah / 48V
	Power Capacity	998.4Wh
	Charging Time	10h
Charger	Protection System	Yes
	Input	100-240V, 2A
	Output	54.6V, 2A
Brake	Type	E-Brake + Front & Rear Disc Brakes
Brake Disc	Outside Diameter	5.5 in
Tire	Size	10"x2.75" (Inner Tires), 10"x3.15" (Outer Tires)
	Type, Material	Off-Road Pneumatic Rubber Tires
	Best Tire Pressure	32PSI (Outer Tires)
Display	Type	LCD
	Size	4 in
Recommended Rider Heights		4'8" - 6'7"

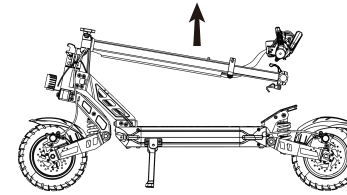
Note: the max speed and range data are provided by the Ausom lab. The max range is achieved under the following conditions: a full charge, a 65kg load, 26°C temperature, constant speed (level 2), on flat roads with no strong wind. The actual data may vary based on different road conditions, temperature, humidity, wind speed, and the rider's habits (the frequency of braking, speed shifting, etc.) and rider's weight.

5. Package List

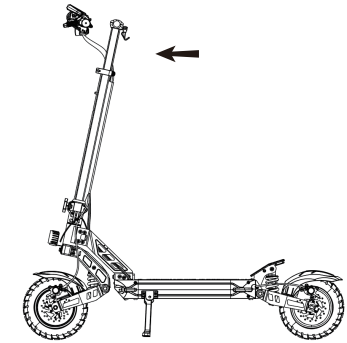
E-Scooter x 1	User Manual x 1	Charger x 1
Air Pump x 1	Tool Kit x 1	Seat x 1

6. Assembly Guide

Assembly of Scooter



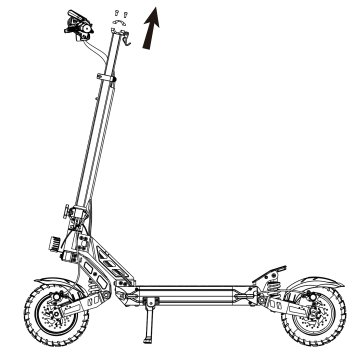
A) Open the kickstand to make it stand up and unfold the stem.



B) Push the stem forward till it is straight.



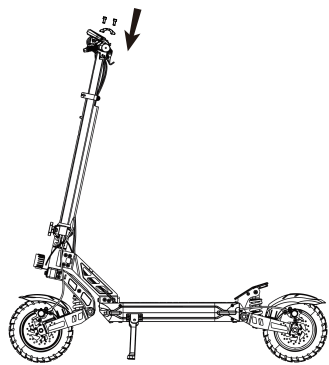
C) Lock the folding mechanism. (Please refer to the folding steps.)



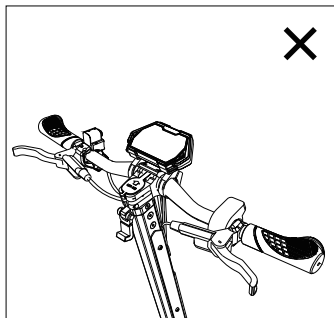
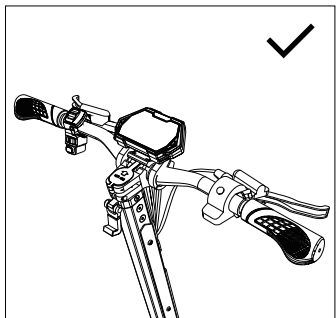
D) Unscrew the clip at the top of the stem.



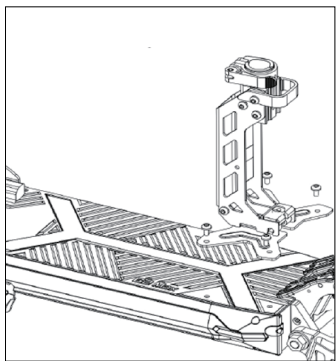
E) Place the handlebar on it and make sure the clip is in the middle of the handlebar.



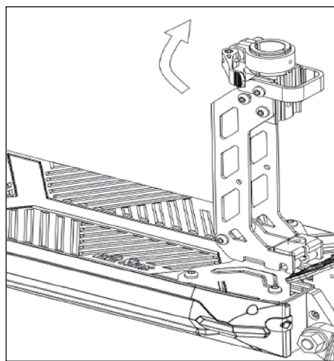
F) Screw the clip tightly.



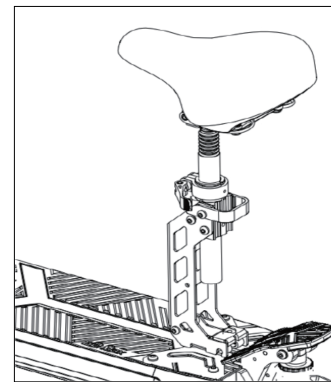
Assembly of Seat



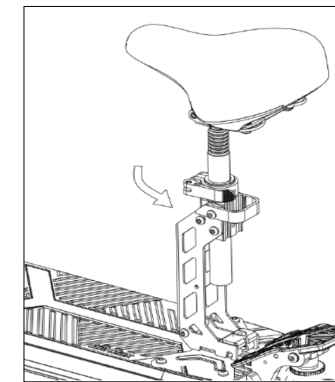
A) Place the seat support at the back of the footboard, align the 4 pilot holes of the seat support with the 4 holes on the footboard and tighten the screws to secure the seat support.



B) Loosen the quick release at the top of the seat support.

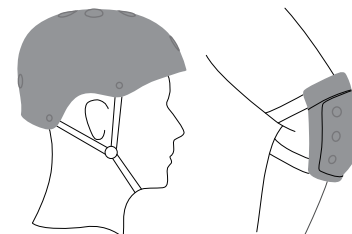


C) Slide the seat post into the seat support and adjust the seat to a suitable height.

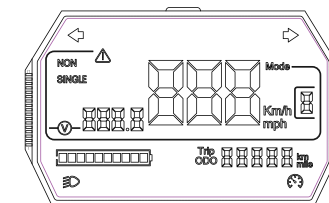


D) Tighten the quick release at the top of the seat support.

7. Tips for Beginners



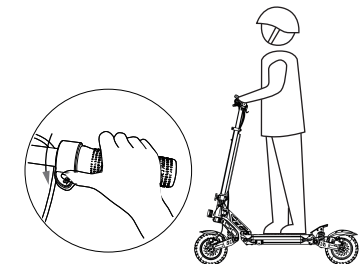
1. Wear protective gear, including a qualified helmet, knee pads, wrist and elbow guards.



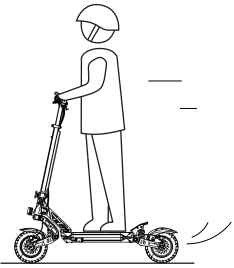
2. Turn the display on and check the battery level.



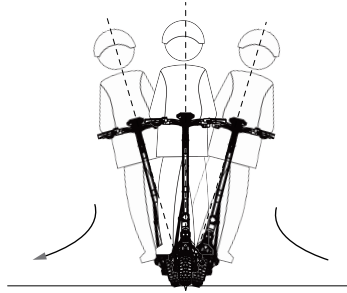
3. Put one foot on the footboard and another foot on the ground. Then, push the scooter forward.



4. When the scooter starts to run steadily, make both of your feet stand on the scooter. Accelerate the scooter by pressing the thumb throttle slightly.



5. Decelerate it slowly by releasing the thumb throttle. Grasp the brake lever on the left for an emergency stop, if necessary.



6. Incline your body slightly to the direction of steering and turn the handlebar slowly when making a turn.

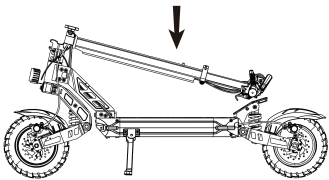
8. Folding & Unfolding

Note: The folding and unfolding steps can only be done when the power is turned off.

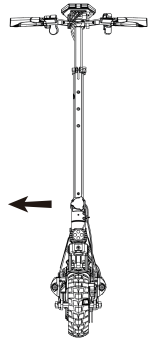
Folding



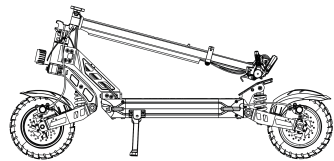
1. Hold the stem with one hand and turn the knob of the folding mechanism counterclockwise with the other hand.



3. Put the stem down.

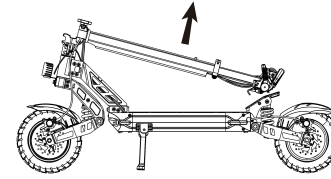


2. Hold the stem with one hand and pull the spring pin outward with the other hand.



4. Secure the stem by fitting the hook into the slot and snap it into place.

Unfolding

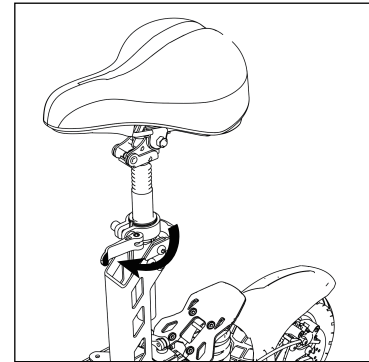


1. Press down the hook with one hand and pull up the stem with the other hand.

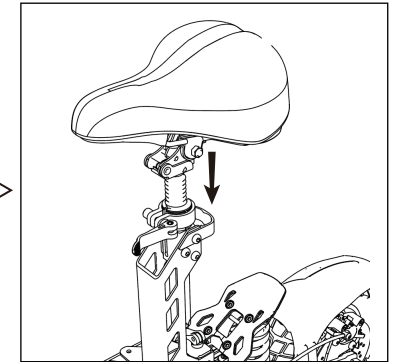


2. Pull up the stem till the spring pin buckles up itself and turn the knob clockwise tightly.

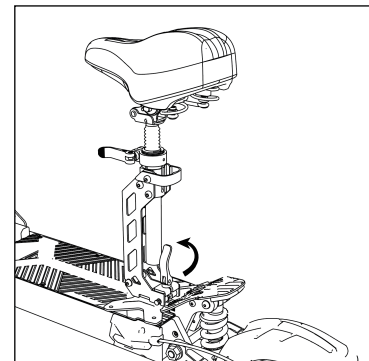
Folding the Seat



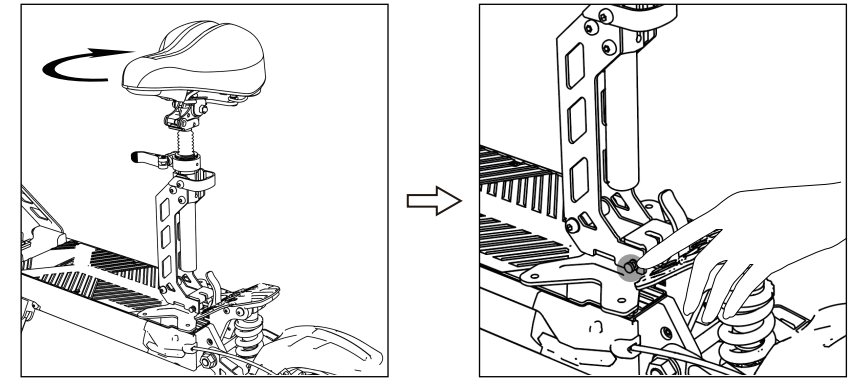
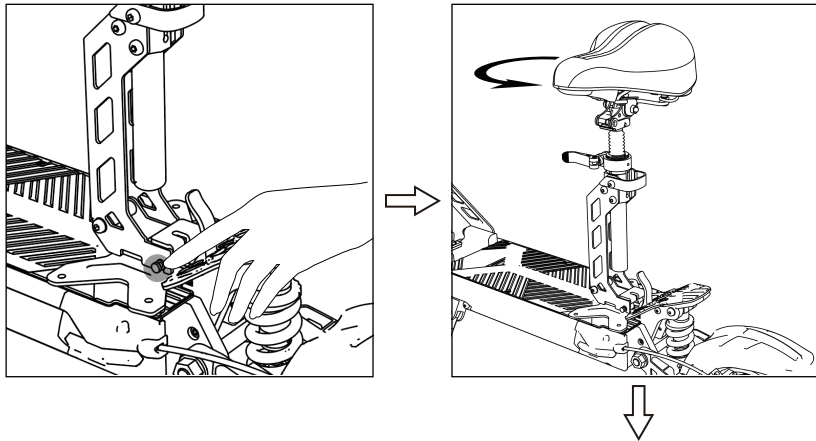
A) Loosen the quick release at the top of the seat support.



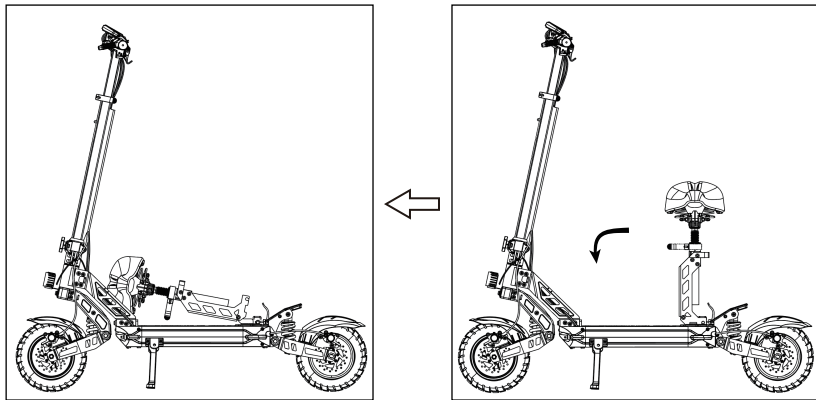
B) Press the seat down to the lowest position.



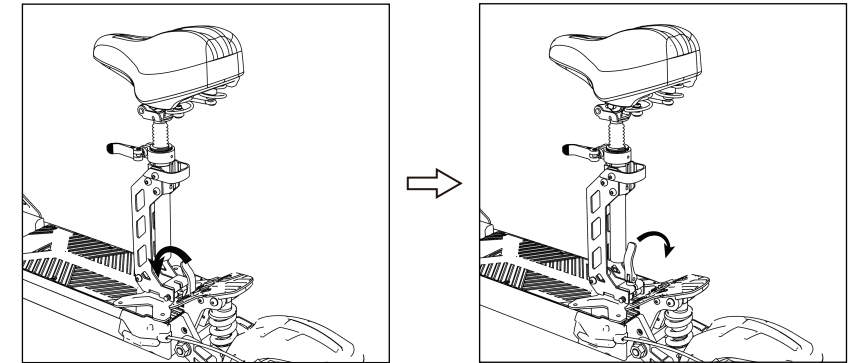
C) Loosen the quick release at the base of the seat support.



A) Lift up the seat slightly and press the button till the seat support snaps into place.

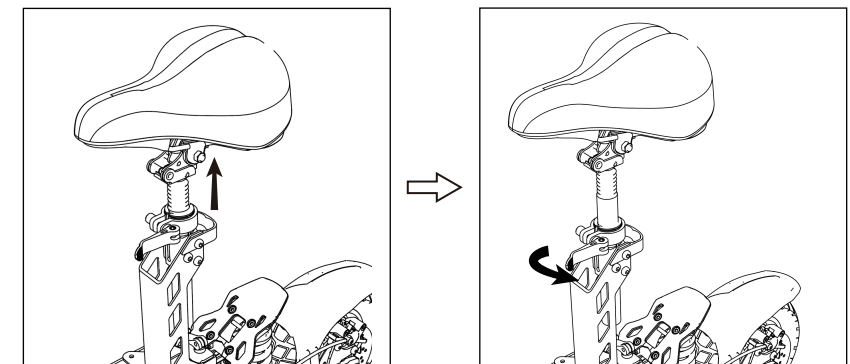
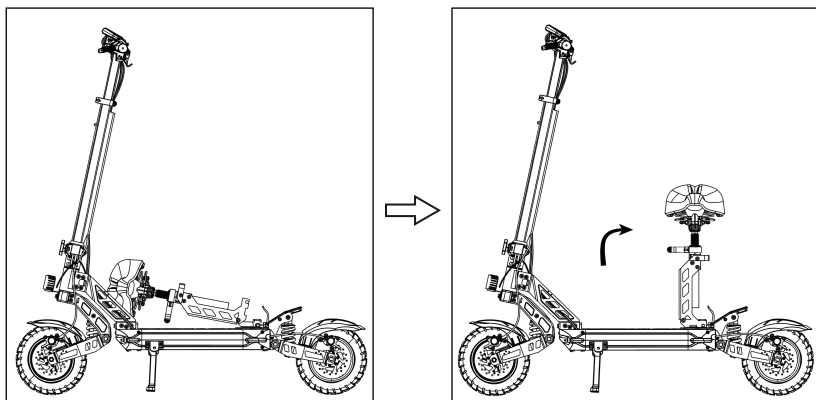


D) Press the button and put down the seat slightly. Turn the saddle to let it lie on its side.



B) Tighten the quick release at the base of the seat support.

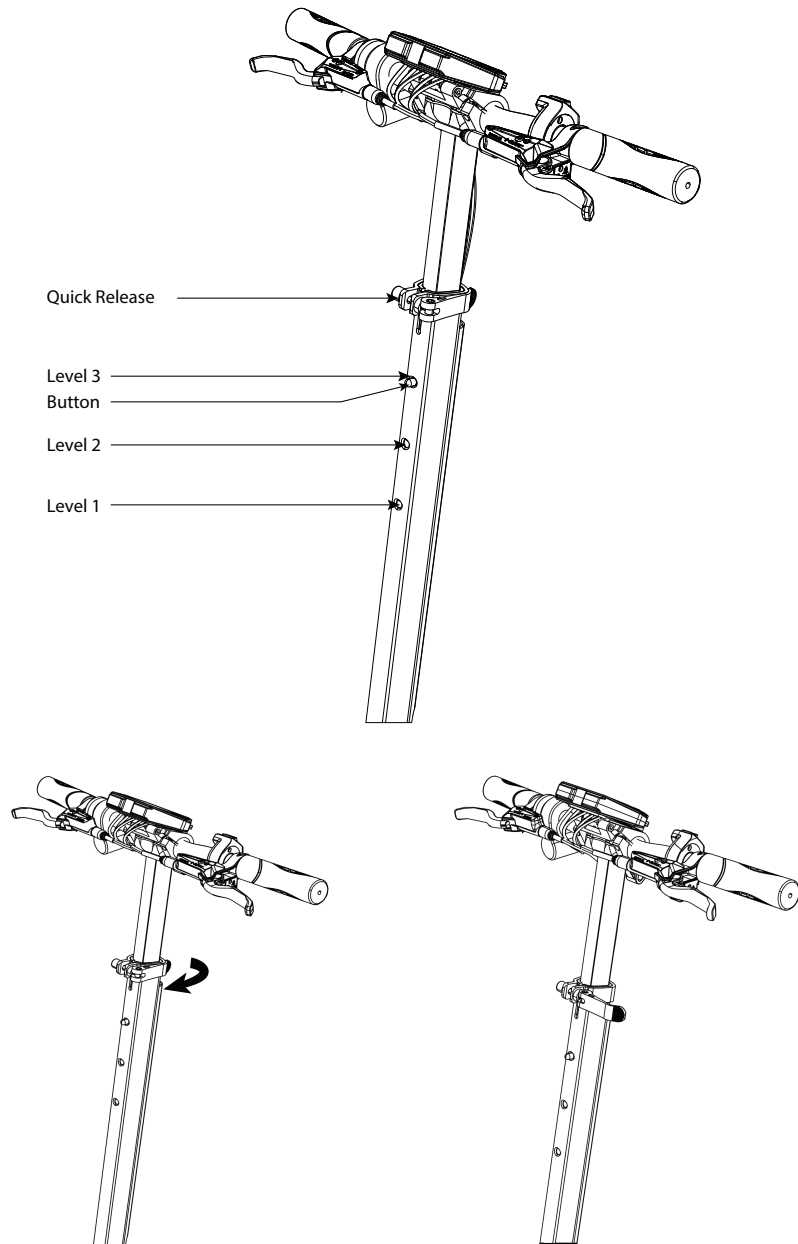
Unfolding the Seat



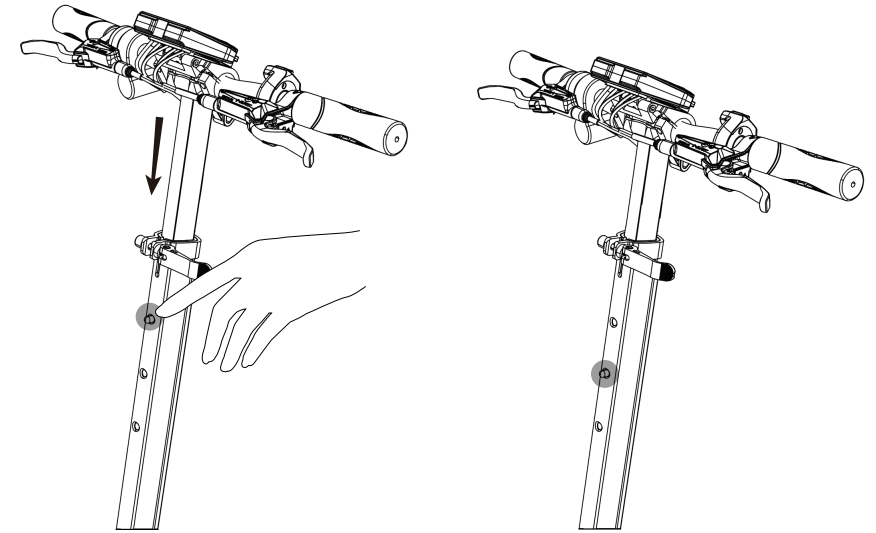
C) Turn the saddle to the right direction and adjust it to a suitable height.

D) Tighten the quick release at the top of the seat support.

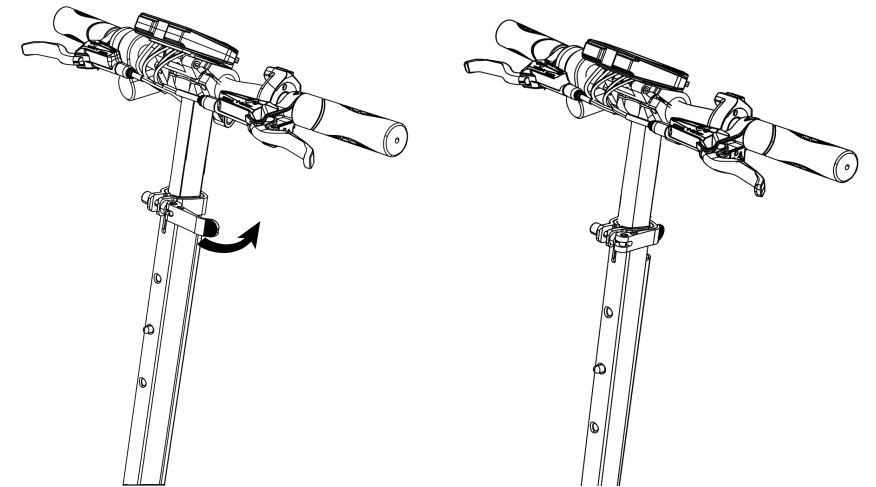
9. Handlebar Height Adjustment



A) Loosen the quick release.



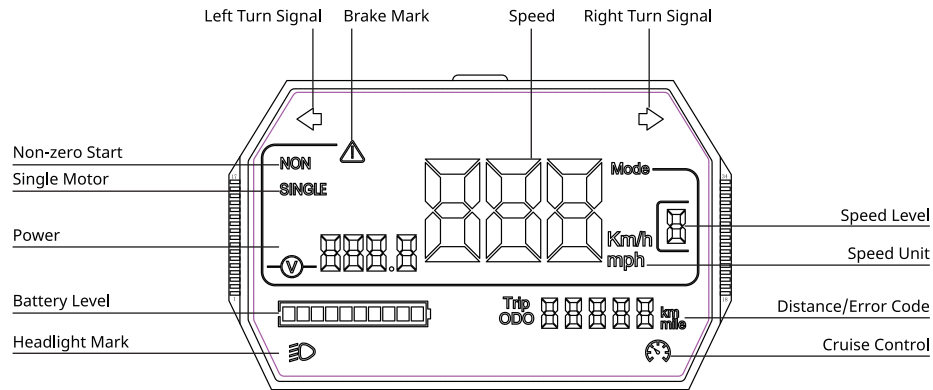
B) Press down the button with the other hand and pull up or push down the handlebar to another height level with the other hand till the button snaps into place.



C) Tighten the quick release.

10. LCD Display Guide

Contents on The Display



Functions & Operations

Power On/off

Insert the key into the keyhole and turn the key clockwise to turn the power on. Long press the function switching button for 3 seconds to turn on the scooter. To turn off the scooter, long press the function switching button for 3 seconds and turn the key counterclockwise.

Shifting Speed Level

When the power is turned on, short press the function switching button to shift among 3 speed levels.

Headlight On/off

When the power is turned on, push the headlight switch up to turn on the headlights.

Hidden Menu

When the power is switched on, press the function switching button 3 times in a row to enter the hidden menu setting interface.

In the hidden menu, short press the function switching button to switch among different pages, including P1, P2, P3, P4, P5, P6, P7, P8, PA, and Pb. To set the current page, long press the function switching button for 3 seconds, and then the value on this page will flash. Then short press the function switching button to set the value. After setting, long press the function switching button again to exit. It'll exit automatically if there is no operation for 8 seconds.

P1: switching between km and mile. The default unit is km.

P2: setting the voltage level: 36V/48/52/60V/72V;

P3: setting the wheel diameter between 080-160 (080 means 8 inches, 100 means 10 inches, etc.). The value increases by 5 each time.

P4: the number of magnetic poles for speed measurement, ranging from 1 to 100; The default number is 30.

P5: cruise control: 0 means the cruise mode is off, and 1 means the cruise mode is on.

P6: switching between zero and non-zero start, 0 means zero start, and 1 means non-zero start. In non-zero start mode, you need to slide the scooter above 5km/h and then press the accelerator to start.

P7: setting the speed limit between 0-100%;

P8: setting the sleep time between 0-60 minutes; 0 means it never sleeps. The default sleep time is 5 minutes.

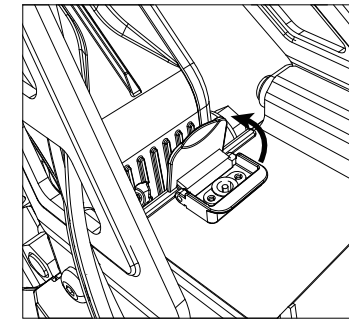
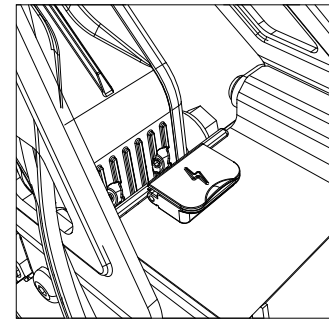
PA: setting the start strength between 1-5; 1 is the minimum, and 5 is the maximum.

Pb: setting the brake strength from level 1 to level 5; 1 is for 20%, 2 for 35%, 3 for 50%, 4 for 70% and 5 for 100%.

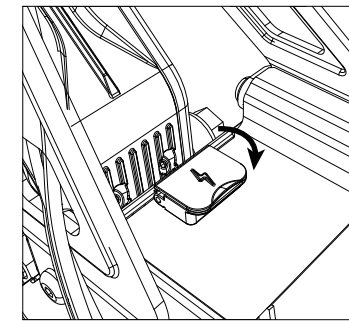
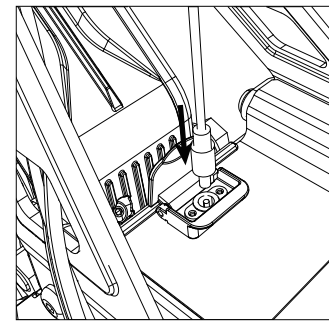
Error Tracking

Error Codes	Problems
E-001	Motor hall fault
E-003	Controller fault
E-005	Undervoltage fault
E-006	Instrument receiving fault
E-007	Instrument sending fault

11. Charging



A) The charging port is in the front of the footboard with B) Open the rubber cover.



C) Connect the scooter with the charger and plug the charger in to start charging. D) Close the rubber cover when charging is completed.

12. Maintenance

Cleaning

Turn the power off, unplug the scooter and cover the charging port before cleaning the scooter. Use a soft and wet cloth to wipe the mainframe clean. Dirt that is hard to remove can be scrubbed with a toothbrush and toothpaste, then cleaned with a soft and damp cloth. Do not wash your e-scooter with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage the appearance and internal structure of the scooter. Do not soak the scooter or wash it with a pressure washer or hose.

Storage

A) Scooter

1. Do not expose the e-scooter to direct sunlight or rain for an extended period of time, and avoid storing it at a high temperature. It's better to store the scooter in a dry and safe place at a temperature of 0°C-25°C.
2. Avoid corrosive gas, so as to avoid chemical corrosion and damage to the electrical parts and painted surfaces, which may lead to operational failure and accident.
3. Don't store it in an explosive or flammable environment or near flammable liquids.
4. Don't store it in the car trunk for a long term on scorching days.

B) Lithium-ion Battery

1. Charge the battery in time and avoid draining the battery completely. Because completely draining the battery may cause permanent damage to it. Never keep the lithium-ion battery discharged for a long time. If the voltage of the cell drops under allowed limit due to self-discharge, it will cause damage. For maximum durability, store the battery charged up to 50% of the maximum capacity. Charge the battery once or twice a month when the scooter isn't used for a long term.
2. Never charge the battery in an explosive or flammable environment or near flammable liquids. Do not charge the battery on a flammable substrate, such as paper, textiles, etc., when the battery is detached from the vehicle.
3. Charge it at a safe place away from flammable items.
4. Never charge a battery which is already damaged or is leaking.
5. Don't charge the battery too long. Stop charging when it gets full.
6. Charge or discharge the battery at a temperature within 0~45°C.
It is better to store the battery indoors within 20°C~25°C temperature while it is not being used for a long time. (When used at 25°C, the battery range and performance is at its best. But using it at a temperature below 0°C can decrease its mileage and performance.)
7. Do not store the battery at a too high or too low temperature.
The humidity of the storage place should be 60±25%RH. As for the working place, the humidity should be 5~85%RH.
8. Do not puncture, hit or crash the battery.
9. Don't try to disassemble the old or damaged battery or throw it away.
10. Please take it to the local professional battery recycling facility.

13. Troubleshooting

Please check the following issues and solutions before sending the product to designated repair offices.

Problem	Possible Causes	Solutions
The vehicle can't be turned on.	a. The battery is dead. b. The electric wire is not plugged in properly or tightly.	a. Charge the battery. b. Reconnect the electric wire properly and tightly or contact the re-seller for help.
Brakes are not sensitive.	a. The brake fluid is not enough.	a. Add some brake fluid and try again.
The battery fails to charge.	a. The charger isn't plugged improperly. b. It is out of the recommended temperature range. c. The battery is charged below rated voltage. d. It is damaged;	a. Plug it in properly and charge it again. b. Charge it at a proper temperature. c. Charge it under rated voltage. d. Contact the re-seller for help.
The motor fails to work.	a. It's in non-zero start mode. b. The electric wire isn't plugged in properly. c. Motor/controller faults;	a. Slide the scooter forward above 5km/h and then try the throttle. b. Plug the electric wire in properly. c. Contact the re-seller for help.
Insufficient Riding Distance.	a. The battery isn't fully charged. b. Low tire pressure. c. Frequent braking. d. Battery aging or battery capacity attenuation. e. Low ambient temperature.	a. Fully charge the battery. b. Pump up the tires. c. Develop good riding habits. d. Replace the battery. e. It's normal.

Attention: if any other failures occur and you can not find any solution from the chart above, please contact the re-seller to solve it. Any other maintenance and repair that need to be done by using professional tools and techniques, should be performed by a qualified scooter mechanic designated by manufacturer or the maintenance center.

14. Warranty

Ausom provides an easy, reliable and efficient service for all products under our warranty. Please refer to the chart below for the warranty periods of various products and accessories starting from the date of purchase.

Our distributors, partners, sellers and re-sellers should provide after-sale services directly to their customers. If your Ausom product has a warranty-related issue, please contact the seller from whom you purchased the product. You should provide all relevant order information, such as order numbers, invoices, receipts, etc.

Model	Components	Warranty
Leopard	Frame	1 year
	Motor	1 year
	Controller	1 year
	Throttle Control	1 year
	Battery	6 months
	Charger	6 months
	LCD Display	1 year
	Disc Brake	1 year
	Brake Assembly	1 year
	Folding Assembly	1 year
	Headlight	1 year
	Taillight	1 year
	Handlebar	1 year
	Handlebar Grip	14 days
Wheel	30 days	
Others	14 days	

WARRANTY PROCESS

Buyers have to provide sufficient proof of purchase.

A description of the defect needs to be provided in order to issue a warranty claim.

Visible proof of defect must be provided along with the item's serial number (if any).

Ausom must document what happens when buyers troubleshoot the products.

You may need to return an item for quality inspection.

When you return the defective product, you should put it in the original packaging or the packaging approved by the dealer.

VALID PROOF OF PURCHASE







- ❖ The order number of your online purchase from the Ausom's authorized reseller. (Check the resellers from where to buy page.)
- ❖ Sales invoice.
- ❖ Dated sales receipt from the authorized Ausom's reseller.

Please note that more than one type of proof of purchase may be required to process a warranty claim (such as receipt of money transfer and confirmation of address that the item was originally shipped to).

WARRANTY WILL BE VOID IN THE FOLLOWING SITUATIONS:

- ❖ The product is out of the warranty period.
- ❖ The product is lost or stolen.
- ❖ The product is free or complimentary.
- ❖ The product is used in inappropriate ways or conditions, including but not limited to: falls, extreme temperatures, water, improper operations.
- ❖ The product is not in its original state, such as modifications.
- ❖ The product has been used in combinations with accessories that is not compatible with the product.
- ❖ Buyers have no sufficient proof of purchase of products.
- ❖ Unsupported software or firmware has been installed to the product.
- ❖ When a damage is caused by the customer, the customer is responsible for the costs for the repairs and shipment.
- ❖ Customers' personal items are sent to Ausom, instead of the Ausom products.
- ❖ The product is purchased from an unauthorized re-seller.

15. Compliance Statements

	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
	This symbol indicates that the product is capable of being recycled.
	This symbol indicates that the product should not be disposed of as household waste. The product must be sent to separate collection facilities for recovery and recycling of electrical and electronic equipment.
	This symbol indicates that the product inside the packaging could be easily damaged if dropped or handled without care and attention. The contents are fragile !
	This symbol indicates that the product should be kept away from rain and in dry conditions.
	The warning sign indicates a potential hazard, danger, obstacle, or condition requiring special attention.