

LANGFEITE



LANGFEITE H1 User Manual

Contents

Pre-ride checks	2
Assemble.....	4
Included in the box	9
Key features	10
Dashboard Instruction	12
Product Specification.....	17
How to Fold	19
Safe Driving Tips	20
How to Charge	21
Battery Safety.....	23
Care & Maintenance.....	25
Safe Driving Recommendation.....	26
Serial Numbers.....	29
SERVICE & MAINTERNANCE LOGBOOK.....	30

Pre-Ride Checks

Before each and every ride, always:

1. Check your brakes' function.
2. Check tires for the correct pressure and any signs of wear or damage.
Make sure that the wheels are freely rotating and not obstructed by the brake pads
3. Check that all screws, nuts, and bolts are tight.
4. Check that the handlebars are tight and firm, and that the brake and throttle levers, as well as the display, are properly adjusted to the optimal viewing angle.
5. Check that the stem folding clamp is correctly locked into position and tight.
6. If you notice something that may not look correct, do not ride or use your scooter.

If you are unsure, bring your E-scooter to our authorized distributor.

Get to know your E-Scooter before riding

Make your turns slowly and cautiously and give yourself plenty of stopping distance.

To gain control over your scooter, practice your first ride on your LANGFEITE H1 in an open space with no obstacles.

The LANGFEITE H1 requires a short adjustment break-in period to allow all moving parts to adjust to their correct position

RIDING TECHNIQUE:

1. Before riding, place your foot as close as possible to the front section of the scooter, and your other foot on the ground. Make sure that your driving route is clear.
2. To start riding, kick start the scooter with your foot for a few meters before activating the motor.
3. As you accelerate, lean forward.
As you brake, tilt your weight backward.
4. Avoid putting body weight on the handle bars whilst accelerating and decelerating.
5. Keep one foot behind the other; (it's more comfortable to place one foot forward and the other one turned backwards at 70-90°, like on a skate/surfboard. It will help you gain more stability.
6. Turns - The turns on your E-Scooter are done as on skis/surf/snowboard. The handlebar should be in parallel to the body.
7. Braking - Tilt your weight backwards so that the brake action will come through the feet and not through the handlebar and steering system. It is best to learn how to adjust the center of gravity while stopping; otherwise, there is a dual concern: Forward tipping, as well as wear and breaking of the handlebar and steering system.

Assemble

Your Electric Scooter comes 90% assembled in the box.

You are expected to

- ✓ Attach and tighten the handle bars.
- ✓ Tighten and adjust the angle of your brake levers and display/throttle unit.
- ✓ Check tire pressure as per the recommended specification located on the tire wall.
- ✓ Check the operation and functioning of the brakes.
- ✓ Unfold the stem and securely and correctly lock the clamp.
- ✓ Check the brake light and all lights and electronics, including function of the horn.
- ✓ Check that all nuts and bolts are securely fastened.

While it may seem easy enough, we recommend a professional or scooter technician perform the correct setup.

Failure to correctly assemble your scooter before riding or using it may put you at risk of serious injury or death.

1. Picture of stem locking
2. Picture of handle attachment
3. Picture of the display and brake levers

How to Assemble Handle Bar



1. Place the handle bar in the stem's headset in a correct angle.
Use a 4mm Allen key to tighten the bolt.



2. Check the display screws are tightened

WARNING:

Do not hold the handlebar only when lifting the product from the box. Please be careful that the fixing slide of the folding part may be damaged, and a safety accident such as a part of the body may be caught. Therefore, when lifting the product, it is necessary to raise the handle bar first, and then slowly lift the body (footrest) of the product with both hands and do not damage the folding part.

WARNING: SERIOUS INJURY OR DEATH IF THE LOCKING MECHANISM IS NOT CORRECTLY ENGAGED CAUSING THE STEM TO COLLAPSE DURING USE/RIDE.

How to unfold LANGFEITE H1 scooters



1. Raise the handlepost(Steering tube)



2. Release the locking clamp, and then lower the both locking slide downward.



3. The locking slide should move to the correct position downwards.



4. Tighten the finishing screw properly to lock the clamp ,so that the locking slide is firmly fixed in any direction, and check looseness during use.

WARNING: SERIOUS INJURY OR DEATH IF THE LOCKING MECHANISM IS NOT CORRECTLY ENGAGED CAUSING THE STEM TO COLLAPSE DURING USE/RIDE.

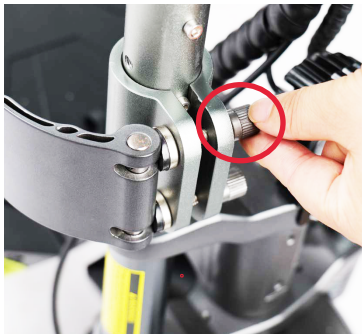
CORRECT



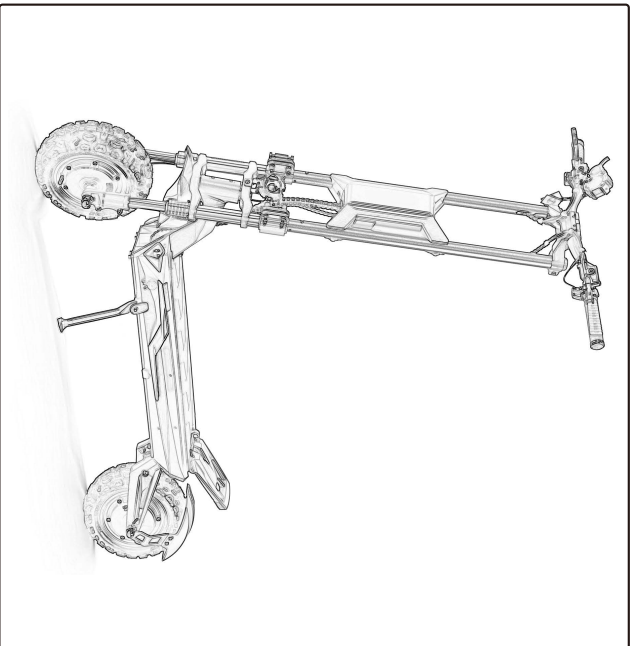
INCORRECT



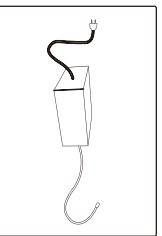
By release and tighten the nut, we can adjust the tightness of the clamp.



Check The Items



- LANGFEITE H1 Electric scooter



- Charger

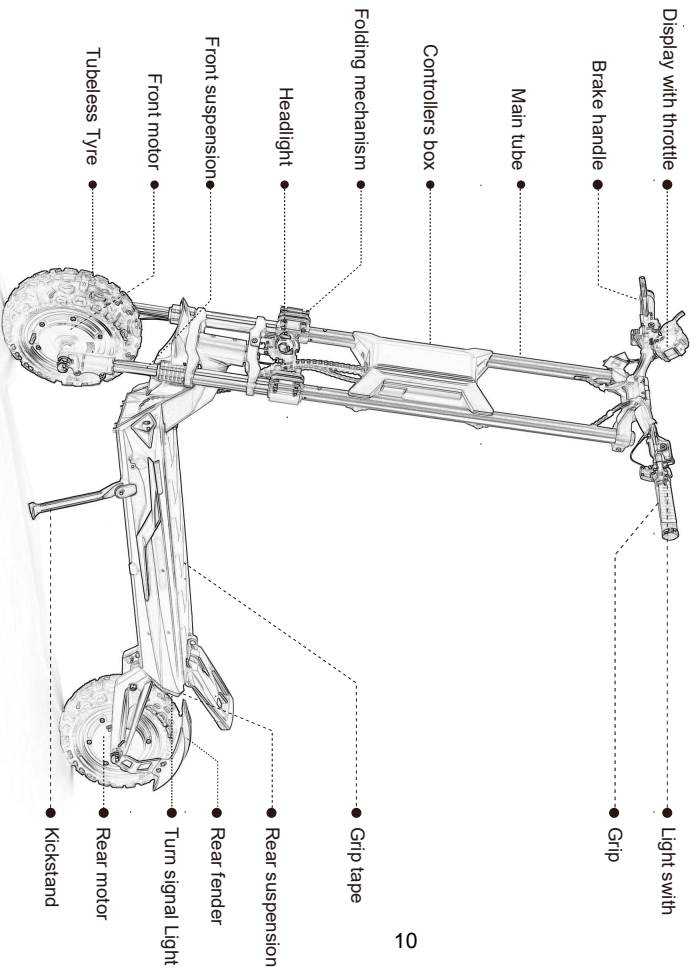


- User manual



- Tool set

Key features



Key features



Display & Key Settings

LANGFEITE H1 - 72V



1. **Gear.** Shows the selected gear.
2. **Speedometer:** Shows the speed at which you are travelling.
3. **Time:** Time since powering on the scooter.
4. **Battery Indicator:** Charge your scooter frequently, do not let it run out battery. As a rough guideline, charge at or below 2 bars.
5. **Voltage Value:** Shows the current voltage value at which you are travelling.
6. **Accelerator:** Pull to accelerate. The stronger you pull, the faster it accelerates. The scooter is delivered in “Non-Zero Start” setting (Kick-And-Go is ON). The accelerator only works if the scooter is already in motion.

7. Power Button: To turn the scooter On/Off press button [7] for 5 seconds.

Press to select various display options by press the power button [7].

MODE	COMMENT
TIME	Time since powering on the scooter.
TRIP	Distance travelled since powering on the scooter.
ODO	Total distance travelled.
VOL	Current battery voltage.

8. Mode Button: Press to select various display options:

MODE	COMMENT
Gear 1	Reduce torque and top speed to maximize range.
Gear 2	Standard mode.
Gear 3	No restriction of power.

9. NFC card: Please use NFC card [9] to approach the sensing area [10].

(Noted: Each E-Scooter is equipped with 2 NFC cards.)

10. NFC card area: Please use NFC card [9] to approach the sensing area [9].

How to Power On/Off LANGFEITE H1 Electric Scooter		
Power On/Off <i>(2 Methods available)</i>	Optional 1	Use NFC card [9] to approach the sensing area [10] .
	Optional 2	1.To turn the scooter On or Off press button [7] for 5 seconds. 2.Enter a 4-digit password. The factory default password is 8888 .
Speed Control	While stationary, and with the power on, press the Mode button [8] to cycle through the three different speed levels 1 to 3. Use the throttle [6] to control the speed within each speed level.	
NOTE: The scooter turns off automatically if it is not used for 5 minute.		

Detailed P-settings mode.

To access P-settings to make various advanced changes, press Power button [7] and Mode button [8] for 3 seconds.

1.Cycle through the P-settings using the Power button [7] **or** Mode button [8].

2.In order to change a P-setting, press Mode button [8] for 3 seconds.

3.To return to operating mode, wait a few seconds.

Item	Details	P-SETTINGS
P00	Wheel diameter	Default 11.0 (Cannot change,11.0=11 inch wheel size)
P01	System voltage	Default 60.0 Do not change.
P02	Pole Pairs of Motor	Default is 15. Do not change.
P03	Speed signal selection	Default is 1. Do not change.
P04	Distance / speed unit	0=km, 1=miles Default: Km/h
P05	Non-Kick start / Kick start	Start setting. 1=Kick start (Kick-and-Go), accelerator won't work if scooter not in motion; 0= immediate start (CAUTION while using this)
P06	Cruise optional	0=cruise control OFF, 1=cruise control ON. Advanced riders only.
P07	Initial acceleration.	Initial acceleration. 0=strong power, 1=least power.
P08	Speed limit adjustment in percentage	Speed limit as % of top speed, i.e. 100=no speed limit. Access P08, The factory default password is <u>0105</u> .
P09	EABS strength	Range: 0~2 0=No EABS; 1= the weakest; 2=the strongest; Default: 2
P10	Display password	Show the display power-on password
P11	Factory setting	Do not change.

1.Cruise Control.

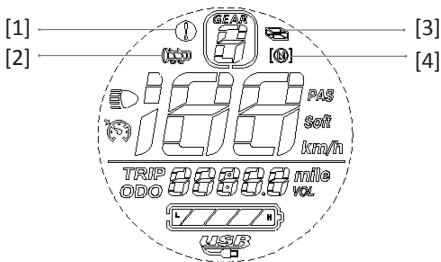
Cruise control allows you to maintain your driving speed automatically without continuing to hold down the accelerator. In order to enter Cruise Control, activate it first in the P-settings [P06].

While driving, keep the accelerator steady for 3-5 seconds until Cruise Control kicks in and scooter travels at constant speed without driver holding down the accelerator.

When you activate the brakes, Cruise Control will be cancelled.

CAUTION: Ride in a position where you can immediately access the brake to cancel Cruise Control if necessary.

2.Dashboard Warning Icons



1. Brake is working 

3. Controller Fault 

2. Throttle Fault 

4. Motor Fault 

3.New Password setting

1. After turning on, enter P-settings by press Power button [7] and Mode button [8] for 3 seconds.
2. Cycle through the P-settings using the Power button [7] or Mode button [8].
3. We can see the 4-digit current password on the P10 settings page.
4. Change password operation:
 - 1) Press Mode button [8] for 5 seconds. The flashing password value indicates that the password can be changed.
 - 2) Short press the Mode button [8] to select the desired value, and short press the Power button [7] to confirm and enter the next value setting.
 - 3) After setting a new password with a 4-digit value, Press the Mode button [8] for 3 seconds to confirm the password, and the password value will stop flashing.
 - 4) To return to operating mode, wait a few seconds.

Product Specification

<i>LANGFEITE H1 Specification</i>	
Product Model	LANGFEITE H1
Battery capacity	35Ah (2520Wh) Samsung brand
Battery Type	21700 Lithium battery
Removable battery pack	Not Available
Input voltage (V)	84.0V
Rated voltage (V)	72V
Approx Range	110KM
Foldable	YES
Number of charging ports	2
Charging time	9 hours (4.5 hours by 2 chargers)
Working temperature	-10 C ~40 C
Storage temperature	-10 C ~40 C
Overall size (MM)	Length1270 mm ,Handle-bar width 660 mm, Height 1300 mm
Size after folding (MM)	Length1270 mm ,Pedal width 260 mm, Height 600 mm
Carton size (MM)	1400*395*700 mm
Max. Loading	150 KG
Scooter net weight	53 KG
User age	Over 18 years
Top speed (KM/H)	Restricted Max Speed 25Km/h , Unrestricted Speed 105Km/h
Riding modes	Gear 1: Gear 2: Gear 3:
Grade Ability	50 degrees
Scooter Color	Silver Grey

Product Specification

Motor type	DC brushless motor
Motor rated power	2000W for each motor, Total motor rated power: 4000W
Peak Power Output	Peak 3360W for each motor, Total motor peak output: 6720W
Controller	40Amp * 2, Sine wave controllers
Motor rated voltage	72V
Charger rated power (W)	336W
Charger Input voltage (V)	100-240VAC
Charger output voltage (V)	84.0V
Charger rated current	4A
Wheel & Tire	11 inch tubeless tyre, Tyre size: 100/65-6.5
Frame material	Aluminium alloy 6061
NFC turn on scooter	Available
Speed up	Thumb throttle
Single/dual motor drive modes	Single/dual motor button switch
Brake systems	Front hydraulic brake +Rear hydraulic brake. Motor: electric re-generative braking
Steering damper	Optional
Suspension	Front and rear Hydraulic suspensions (Oil + Buffering damping)
Lighting system	Front lighting, rear lighting, brake lighting, signal turn lighting
Signal turn light	Available

How to Fold



1. Release the locking clamp



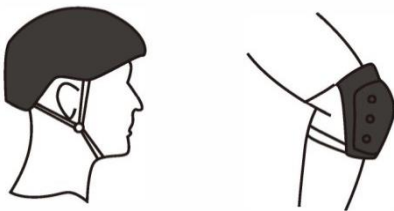
2. Move the both locking slide upwards.



3. Fold the handlepost (Steering tube) downwards

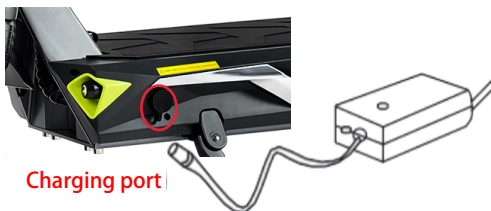
WARNING: SERIOUS INJURY OR DEATH IF THE LOCKING MECHANISM IS NOT CORRECTLY ENGAGED CAUSING THE STEM TO COLLAPSE DURING USE/RIDE.

Safe Driving Tips



1. To prevent injury, wear safety gear, such as comfortable shoes, a helmet, and knee and elbow padding.
2. The E-Scooter is not waterproof. Never use it in the rain or snow. Do not use if the road is wet or icy. Water damage is not covered by the warranty.
3. Changing the dashboard settings may result in a malfunction. If you need to change the settings, please ask for help from an expert or authorized dealer.
4. When turning left or right, make sure that there are no obstacles, and then turn slowly, keeping a wide turning radius.
5. Before riding at night, check the position of the headlights and the state of the taillights by depressing the brake lever.
6. An operating age of 18 years old and over is strongly recommended.

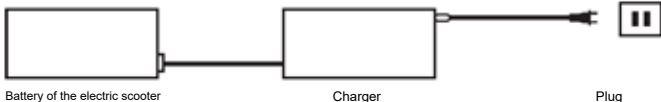
How to Charge



It is important to fully charge the battery before your first use of the scooter.

HOW TO CHARGE

1. Only use the approved chargers supplied with the electric scooter. Ensure that the scooter is **TURNED OFF** then connect the external power charger to the scooter. (Make sure the plugs' grooves are correctly aligned).
2. Connect the charger to an electrical outlet, then turn the power of the electrical outlet on.
3. Do not charge the batteries at temperature below 5°C or above 40°C. The battery may stop the charging process.
4. **RED LIGHT** – Battery is charging.
GREEN LIGHT – Battery is fully charged.



WARNING

A popping sound may occur due to the voltage difference when attaching the connector plug to the charging port; this is normal and not a cause for concern.

CAUTION

1. Only use approved and original chargers.
2. Never charge your E-Scooter if it's wet or the charging port shows any signs of damage or debris inside. Never charge your e-scooter immediately after riding it. You must not charge your e-scooter for at least 1 hour, or there is a risk of fire or overheating.
3. Do not leave your scooter unattended while it is charging.

Battery Safety

1. Only use the original charger that was supplied with your E-Scooter to charge the lithium-ion battery. The use of a third-party charger could cause serious damage to the battery and may cause a fire or explosion.
2. To prevent overcharging, unplug the charger once the charger light indicates the battery is fully charged. Do not charge the scooter overnight. Instead, resume charging when you are available to unplug the charger once the battery is fully charged.
3. Do not leave the lithium-ion battery exposed to direct sunlight or high temperatures. Do not store in wet places. Always store it in a dry place.
4. Charge lithium-ion batteries in dry, open, and well-ventilated places away from living areas or inside your home. Do not charge the battery near flammable goods.
5. In the winter, keep the scooter stored inside, away from extreme temperatures. Do not let the battery run flat. At all times, the scooter must have at least a 20% charge.
6. If the battery protection circuit is damaged, the battery may emit an unusual smell. Contact your authorized service center immediately for technical support.
7. Do not reverse the polarity on a battery and short-circuit. Exposing the battery to excessive shock can result in an explosion of the battery.

Battery Safety

8. Do not try stunts or jumps on the product on bumpy surfaces. Exposing a battery pack to excessive shock can result in a battery fire. If in an accident, contact your service center to ensure that the battery is not compromised.
9. Connecting the charger when the product is waterlogged will run the risk of an electric shock and possible fire. Do not charge the battery and contact your service center.
10. Do not disassemble or incinerate the lithium-ion battery. To safely dispose of the lithium-ion battery, label it as industrial waste and be careful of a short-circuit occurring in the terminals.
11. If the battery requires replacement after long-term use, always replace it with one that was purchased from an authorized dealer.
12. Do not use the battery if it leaks or gives off an odor. Avoid charging the battery without proper care.
13. Depending on the model, riding conditions, and rider's weight, the range will vary on a full charge. Please note that batteries operate optimally at around 25 degrees Celsius. In colder weather, it is normal for your scooter to experience a shorter than normal range on a full charge.
14. When the scooter needs to be stored for a long period of time, make sure the scooter is charged at 50%. Never fully charge your battery or leave it near empty for long periods of storage (more than 2 months).
15. If a product with a lithium-ion battery overheats and there is smoke or ignition, you should stop charging or using it immediately. Move the product outdoors and use a fire extinguisher to diffuse it. Do not spray or immerse the product in water to diffuse the fire.

Care & Maintenance

Cleaning and Storage

Tension the base neck to your own discretion. Sing oil is recommended to use on the outside bearing cases and safety lock.

Use a soft, wet cloth to wipe the frame and bars. Hard-to-remove dirt can be scrubbed with a toothbrush and toothpaste or mild detergent, then cleaned with a soft, wet cloth.

Do not wash your electric scooter with alcohol, acetone, petrol, or corrosive solvents. These substances may harden the appearance and internal electrical components of your electric scooter. Do not wash your electric scooter with a power washer or hose.

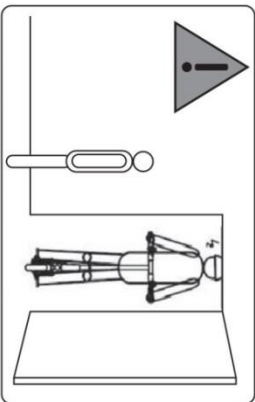
Store your electric scooter in a dry, safe, and well-ventilated place. Do not store your scooter outdoors, exposed to the sun or rain.

During Assembly

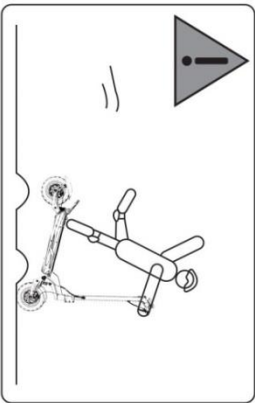
Adjust the brake lever and throttle before use. Move the brake lever to a 45-degree angle with the handlebars. Move the throttle so it is in line with the handlebars. They cannot be left at a 75-degree angle.

Tension the brakes by removing the red brake calipers and doing one clockwise half-turn using a 5mm Allen key. Place the red brake calipers back on.

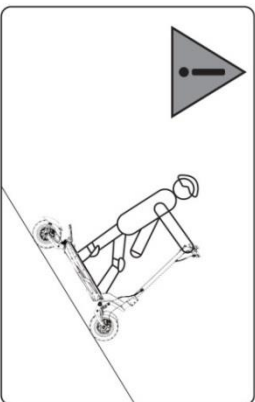
Safe Driving Recommendation



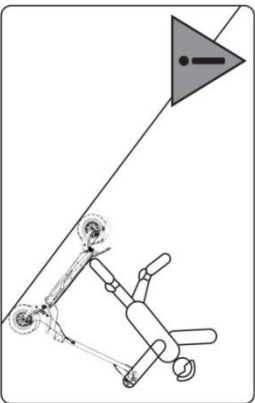
- Watch out for overhead obstacles, such as the door frame or the elevator.



- DO NOT pass irregular surfaces at a high speed.

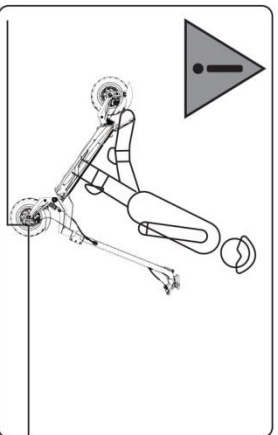


- DO NOT ride on slopes larger than 30 degrees for extended periods of time.

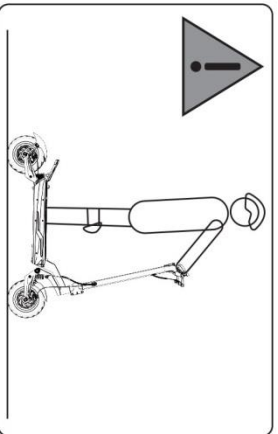


- DO NOT accelerate while riding downhill. DO NOT use the front brake while riding at a high speed.

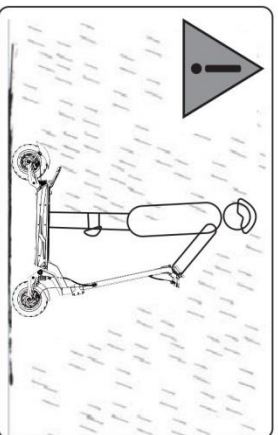
Improper Use Cases



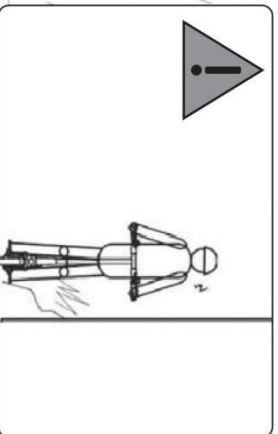
- DO NOT goup/down steps or cross obstacles with the scooter.



- DO NOT stand on the footboard after the scooter is powered off and stops.

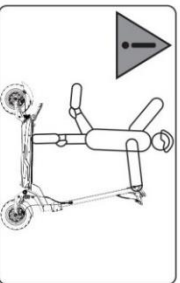


- DO NOT ride in the rain.

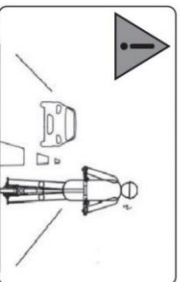


- Avoid obstacles while riding.

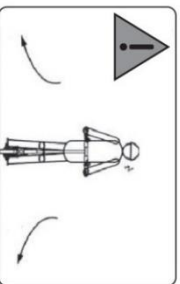
Improper Use Cases



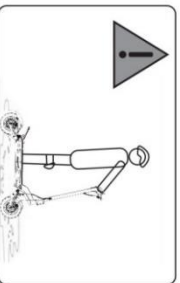
- DO NOT ride with a single hand or foot.



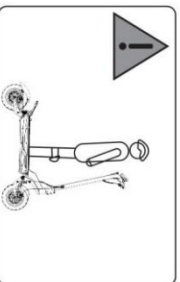
- DO NOT ride on motor way.



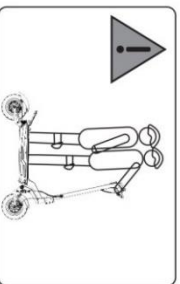
- DO NOT rotate the handle violently while riding at a high speed.



- DO NOT ride in water deeper than 2 cm.



- DO NOT ride with both hands leaving the handle.



- DO NOT carry passenger(s).

SERIAL NUMBERS

SERIAL NUMBERS:

Each Scooter comes with a unique serial number.

These numbers provides information on the authenticity of the scooters and production dates.

To find your LANGFEITE H1 serial number:

1. The number is on the backside of the board, for example as below:

Serial number: 03092231010521001



AFTER-SALES SERVICE LOGBOOK SECTION

Regular service in accordance with the manufacturer's specifications is critical for the product's safety, dependability, and longevity.

Failure to execute scheduled service may render your Electric Scooter hazardous and dangerous to use/ride, placing you at risk of serious injury or death.

Customer/Owner/Rider Acceptance of Terms of Purchase

Full Name		
Email		
Date Purchased	Invoice	
Location Purchased		
MAKE	Model	
Serial Number		
OTHERS		

