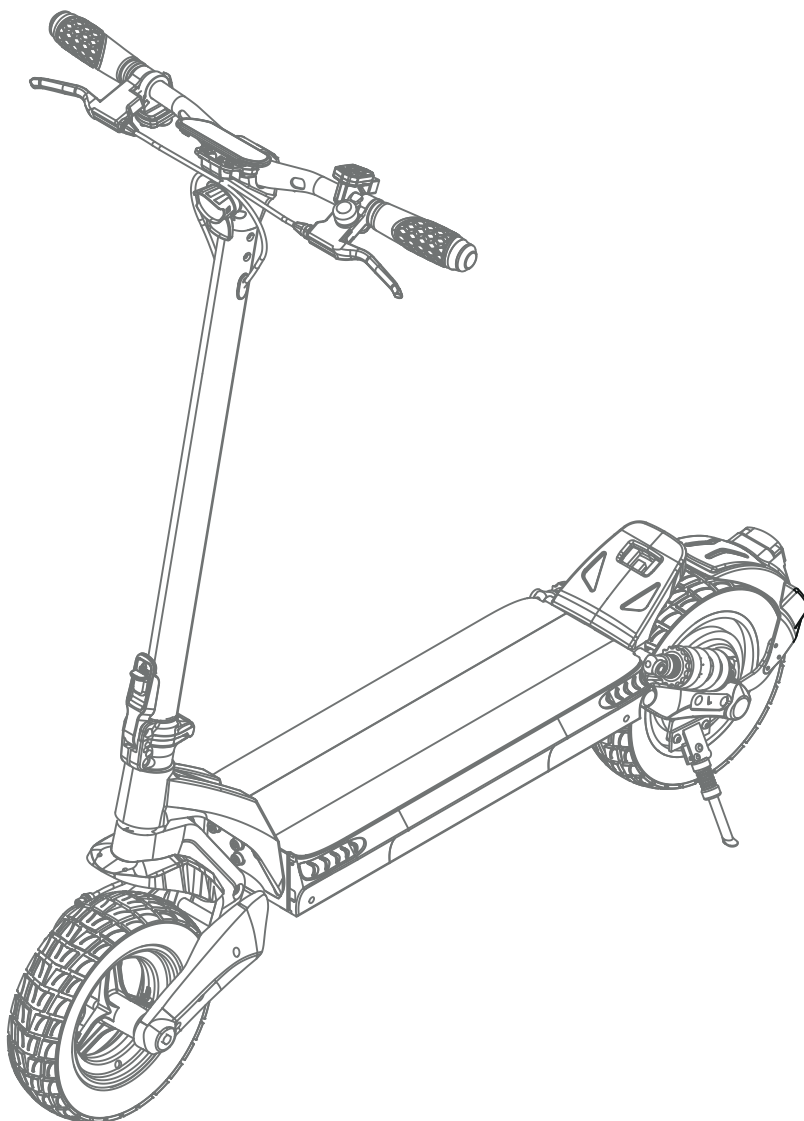




APP Name:MiniRobot



Model:H1

USER MANUAL

Contents

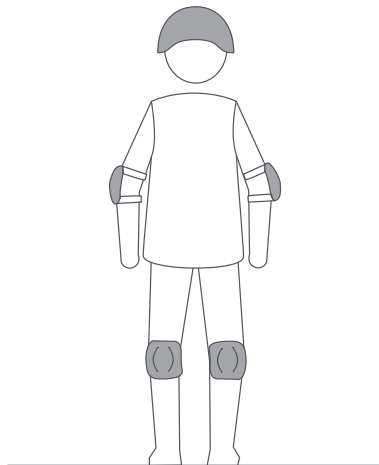
1. Riding Safety	03
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Thanks for choosing the H1!

Thanks for choosing the H1! (hereinafter referred to as H1)!

The scooter is especially designed for smooth and safe riding. It combines the power of electricity and the style of a traditional scooter. Enjoy an effortless gliding experience on this sturdy, powerful and easy to fold scooter.

Before you start, make sure the rider meets the age, height and weight requirements below.



14 - 60 years.

66.1 - 264.5 lbs (30 - 120kg)

3'11" - 6'66" (155 - 200 cm)



1 Riding Safety

Remember that whenever you ride the scooter, you risk injury from loss of control, collisions, and falls. To reduce the risk, you must read and follow all "CAUTION" and "WARNING" notices. Please understand that you can reduce the risk by following the instructions and warnings in this manual, but you cannot eliminate all the risks. Please use common sense when riding.

1. The H1 is a recreational product that's for recreation only. It is not intended for transportation. In order to master riding skills, the rider needs to practice. Use with caution since skill is required to avoid falls or collisions causing injury to the user or third parties. Which means We are not responsible for any injuries, damages or legal disputes caused by rider's inexperience or failure to follow the instructions in this manual.
2. Please understand that you can reduce the risk by following all the instructions and warnings in this manual. But you cannot eliminate all the risks. Remember that whenever you ride the H1 you risk injury from loss of control, collisions, and falls. When entering into public spaces always comply with the local laws and regulations. As with other vehicles, faster speeds require longer braking distance. Sudden braking on low traction surfaces could lead to wheel slip, or falls. Be cautious and always keep a safe distance between you and other people or vehicles when riding. Be alert and slow down when entering unfamiliar areas.
3. Always wear a helmet when riding. Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place, and provides protection for the back of your head.
4. When entering public places, always comply with the local laws and regulations. In places without laws, comply with the safety guidelines outlined in this manual.
5. DO NOT allow anyone to ride the scooter on his/her own unless he/she has carefully read this manual. The safety of a new rider is your responsibility. Assist new riders until they are comfortable with the basic operation of the scooter. Make sure each new rider wears a helmet and other protective gear.
6. DO NOT modify the scooter or change parts by yourself. Use only our brand approved parts and accessories. Modifications to your scooter could interfere with its operations, result in serious injury and/or damage, or void the Limited Warranty.
7. Before each ride check for loose fasteners and damaged components. If the H1 makes abnormal sounds or signals an alarm, immediately stop riding. Diagnose your H1 via the H1 App and call your dealer/distributor for service.
8. Be alert! Scan both far ahead and in front of your H1—your eyes are your best tool for safely avoiding obstacles and low traction surface (including, but not limited to, wet ground, loose sand, loose gravel, and ice).

9. Do not ride at an unsafe speed. Under no circumstance should you ride on roads with motor vehicles.

The manufacturer recommends riders be 14+ years old. Always follow their safety instructions:

A. People who should not ride the H1 include:

- i. Anyone under the influence of alcohol or drugs.
- ii. Anyone who suffers from disease that puts them at risk if they engage in strenuous physical activity.
- iii. Anyone who has problem with balance or with motor skills that would interfere with their ability to maintain balance.
- iv. Anyone who has problem with balance or with motor skills that would interfere with their ability to maintain balance.
- v. Pregnant women.

B. Riders under the age of 18 years old should ride under adult supervision.

C. Comply with local laws and regulation when riding this product. Do not ride where prohibited by local laws.

D. To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.

E. Do not ride in the snow, in the rain, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles (sand, loose gravel, or sticks). Doing so could result in a loss of balance or traction and could cause a fall.

10. Do not attempt to charge your H1 if the charger, or the power outlet is wet.

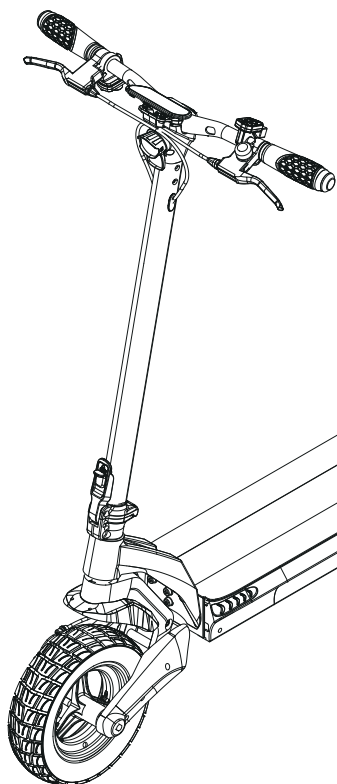
11. As with any electronic device, use a surge protector when charging to help protect your H1 from damage due to power surges and voltage spikes. Only use the supplied charger. Do not use a charger from any other different product models.

12. To reduce risk of injury, you must read and follow all "CAUTION" and "WARNING" notices in this document. Do not ride at an unsafe.

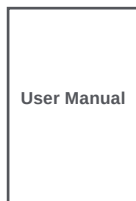
WARNING

Protective equipment should be worn. Not to be used in traffic. Never hitch a ride with another vehicle.

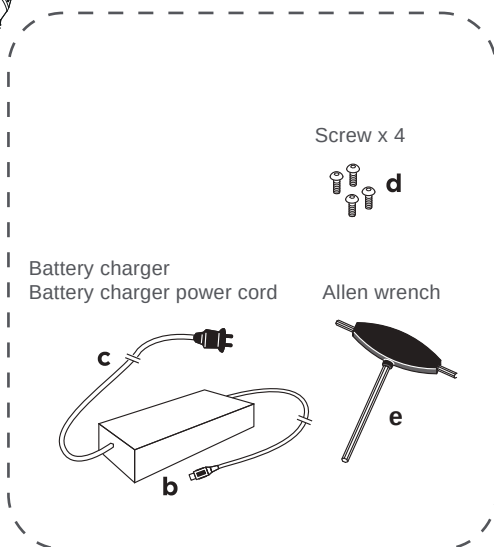
2 Package Contents



User Manual



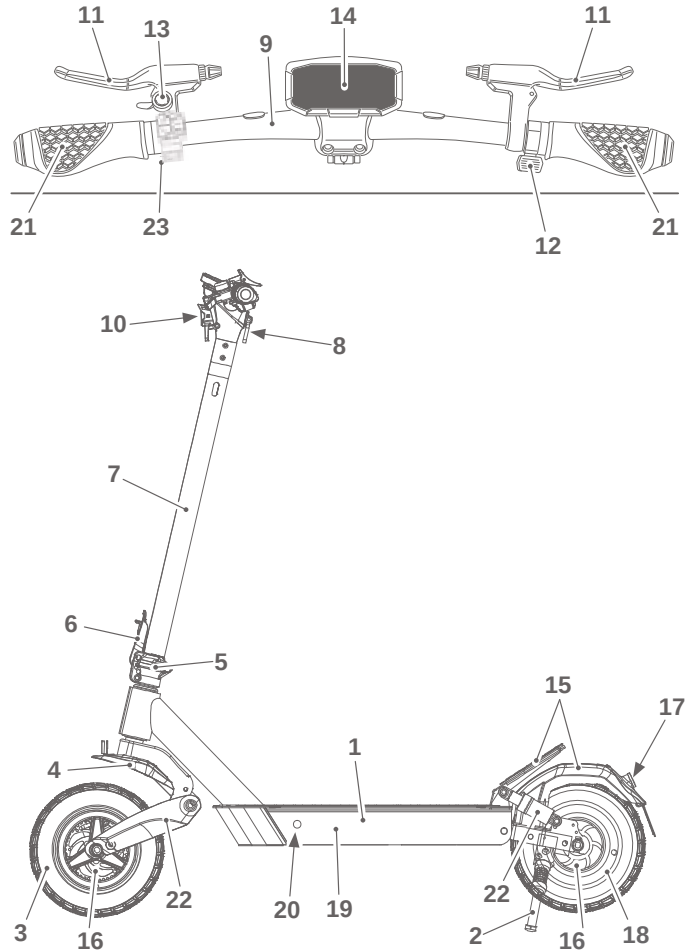
Accessories



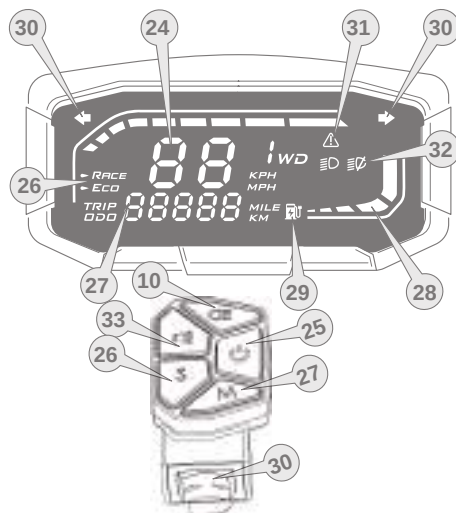
Carefully check package contents, if anything is missing or damaged, please contact online customer service for support.

3 Product Overview

- 1.Frame / Deck
- 2.Kickstand
- 3.Front wheel
- 4.Front mudguard
- 5.Folding intersection
- 6.Locking lever
- 7.Handlebars stem
- 8.Hook
- 9.Handlebars
- 10.Front light
- 11.Brake levers
- 12.Throttle lever
- 13.Bell
- 14.Display
- 15.Rear mudguard
- 16.Disc brakes
- 17.Rear light / Stop
- 18.Rear wheel / Motor
- 19.Battery
- 20.Socket for batter charger
- 21.Grips
- 22.Suspensions
- 23.Direction indicator button



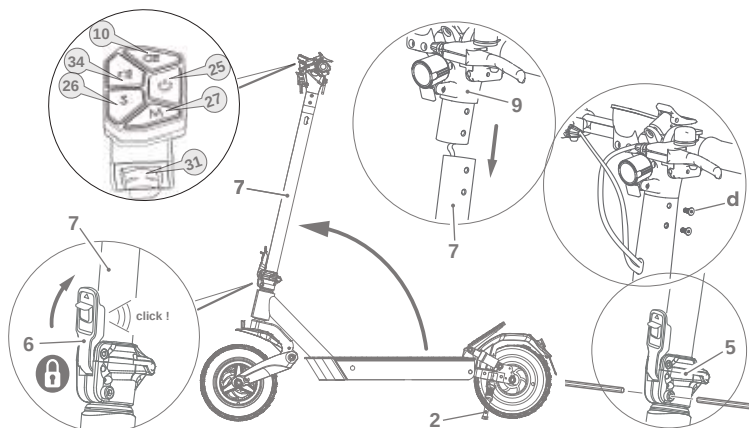
- 24.Speed indicator
- 25.Power on/off button
- 26.Selected speed indicator
- 27.Odometer
- 28.Charge level of the battery
- 29.Low battery indicator
- 30.Directional indicators
- 31.Anomaly report indicator
- Please contact an authorized assistance centre
- 32.Headlight switch display
- 33.Horn



4 Assembly and Set-Up

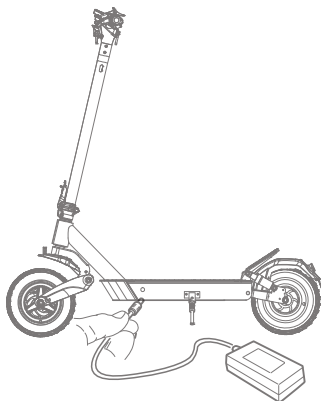
After removing the e-scooter from the packaging and checking that everything is compliant with what is indicated in paragraph "8", it is necessary to assemble the dismantled components.

- a. Open the kickstand (2) and position the e-scooter on a flat surface.
 - b. Raise the handlebars stem (7).
 - c. Raise the locking lever (6) and push it against the handlebars stem (7) until a hooking "click" is heard.
 - d. Insert the handlebars (9) on the handlebars stem (7). Use the Allen wrench (e) to tighten the screws (d) on both sides. If you notice any vibration of the handlebars, check the screws of the folding intersection (5); if necessary use the Allen wrench to lock the two screws. The suggested tightening force for handlebar screws is about 5-8 Nm.
 - e. Press the ON/OFF button (25) to check that the e-scooter is switched on correctly.
- During use it is possible to change speed by pressing or releasing the throttle lever (12) or modifying the desired speed level.
 - To decelerate:
 - Release the throttle lever ;
 - Or pull the brake levers (in this condition, the motor deactivates).
 - It is also possible to use all these options simultaneously.
- f. Press the S button (26) to convert riding mode (ECO=10mph, RACE=15mph, SPORT=25mph).

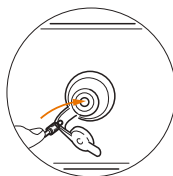


5 Charge Your Scooter

Upon first use, it is advised to charge the battery completely.



Lift up the rubber flap.

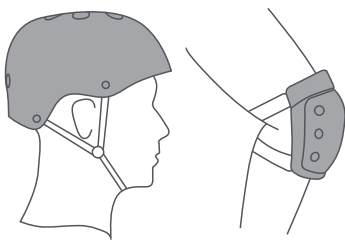


Plug the power adapter into the charging port.

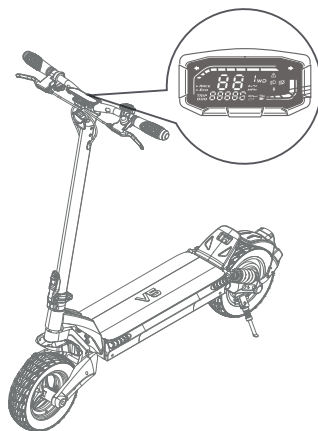


When charging is completed, put back the rubber flap.

6 How To Ride



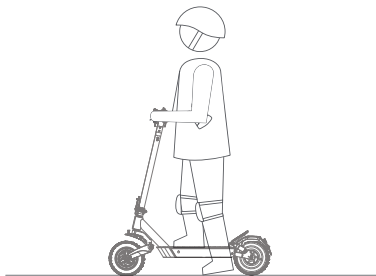
Wear helmets and knee pads in case of falls and injuries when you learn to ride the scooter.



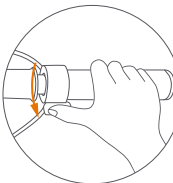
1. Turn on the scooter, and check the power indicator.



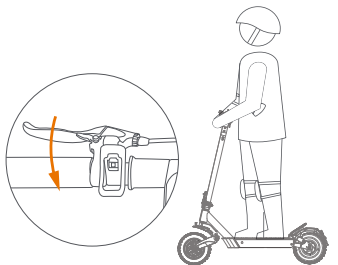
The charger must be unplugged before turning on.



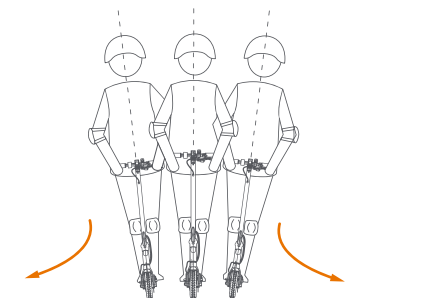
2. Step on the deck with one foot, and slowly kicks off the other on the ground.



3. When the scooter starts to coast, put both feet on the deck and press the accelerator (the accelerator initiates once the coasting speed exceeds 1.86mph).



4. Release the accelerator and the kinetic energy recovery system (KERS) initiates automatically to brake slowly; And squeeze the brake lever for a sudden brake.



5. Tilt your body to the steering direction as you turn, and slowly turn the handlebar.

7 Safety Instructions

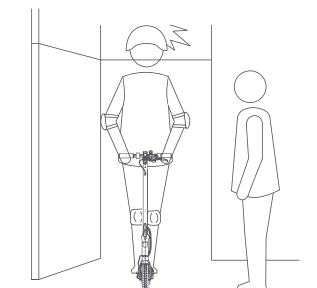
Watch out for safety risks



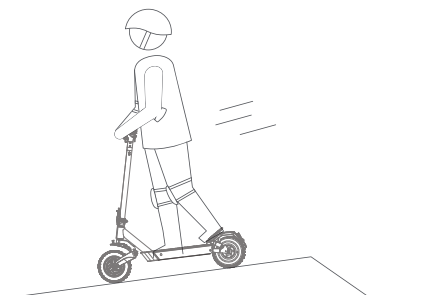
Do not ride in the rain.



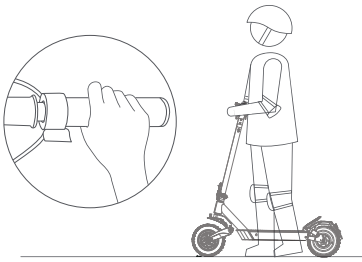
Keep your speed between 3.1-6.2 mph when you ride through speed bumps, elevator door sills, bumpy roads or other uneven surfaces. Slightly bend your knee to better adjust mentioned surfaces.



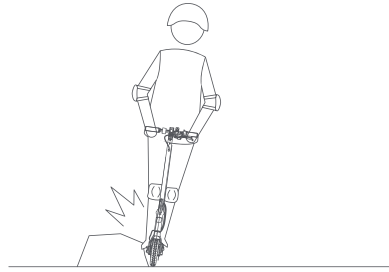
Look out for doors, elevators and other overhead obstacles.



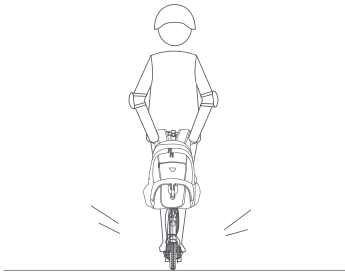
Do not accelerate when you go downhill.



Do not press the accelerator when you're walking alongside the scooter.



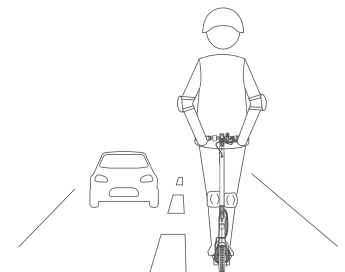
Always steer clear of obstacles.



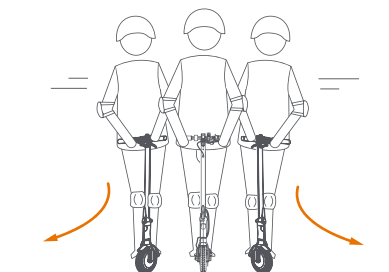
Do not hang bags or other heavy stuff on the handlebar.



Keep both feet on the deck all time.



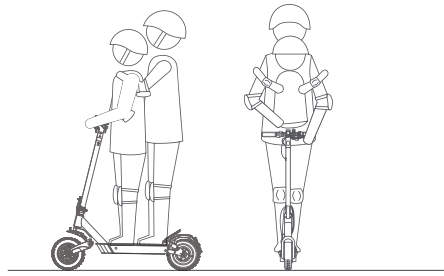
Do not ride in traffic lanes or residential areas where vehicles and pedestrians are both allowed.



Do not turn the handlebar violently during high-speed riding.



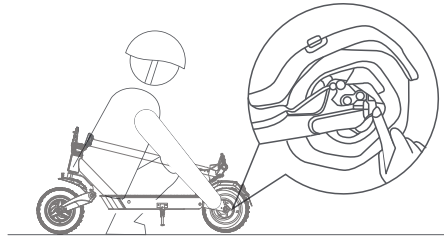
 Do not ride in a ponding that is higher than 0.78 inches.



 Do not ride with anyone else, including children.



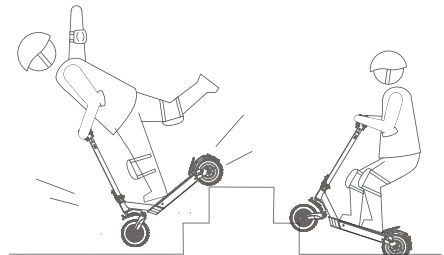
 Do not keep your feet on the rear mudguard.



 Do not touch the disc brake.



 Do not keep your hands away from handlebar.



 Do not try riding up or down stairs, and jumping over obstacles.

 WARNING

Always keep both hands on the handlebar or you risk serious injury due to loss of balance and falls. DO NOT step on the folding pedal while standing on the footboard.

8 Safety Reminder

This electric scooter is a leisure device. But once they're in a public area, they'll be seen as vehicles, subjecting to any risks faced by vehicles. For your safety, please follow instructions in the manual and traffic laws and regulations set forth by government and regulatory agencies.

At the same time, you should understand that risks cannot be entirely avoided as others may violate traffic regulations and drive incautiously, and you're exposed to road accidents just as when you're walking or biking. The faster the scooter is, the longer it takes to stop. On a smooth surface, the scooter may slip, lose balance, and even result in a fall. Thus it is crucial that you use caution, keep proper speed and distance, especially so when you're unfamiliar with the place.

Respect pedestrians' Right of Way. Try not to startle them while driving, especially children. When you ride from behind pedestrians, ring your bell to give them a heads-up and slow your scooter to pass from their left (applicable to countries where vehicles drive on the right). When you ride across pedestrians, keep to the right at a low speed. When you drive across pedestrians, keep the lowest speed or getting off the vehicle.

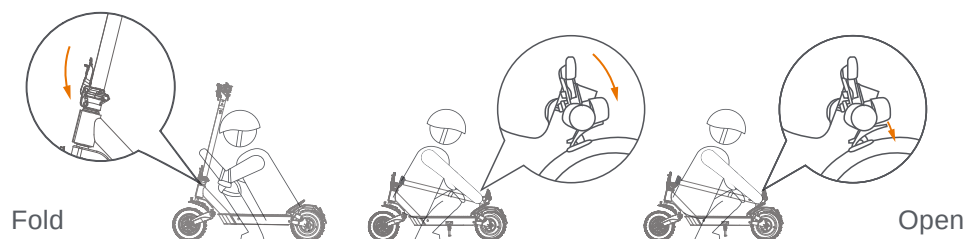
Closely follow the safety instructions in the manual especially in China and countries that lack relevant laws and regulations regarding electric scooters. We shall not be liable for any financial losses, physical injuries, accidents, legal disputes and other interest conflicts resulted from actions that violate user instructions.

Do not lend your scooter to whoever knows not the operations. And when you do lend it to your friends, please take the responsibility to ensure he/she knows the operation and wears the safety gear.

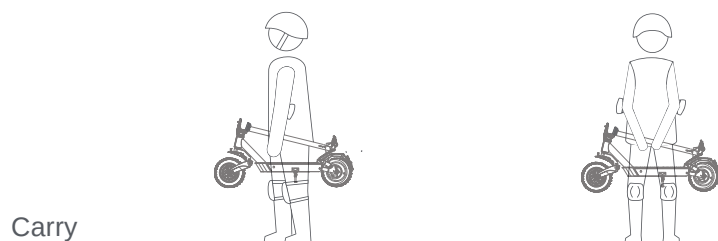
Check the scooter before every use. When you note loosen parts, low battery alerts, flat tires, excessive wear, strange sounds, malfunctions and other abnormal conditions, stop riding immediately and call for professional support.



WARNING – Risk of Fire – No User Serviceable Parts.

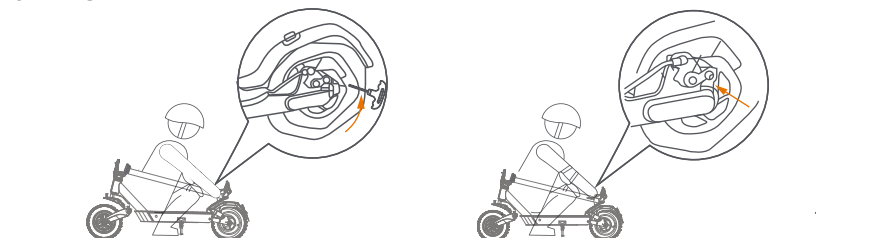


Make sure that the scooter's turned off. To fold, unlock the folding mechanism, and bend the handlebar stem to hook the buckle on the rear mudguard. To open, press the bell trigger to remove from the buckle, erect the handlebar and lock the folding structure.



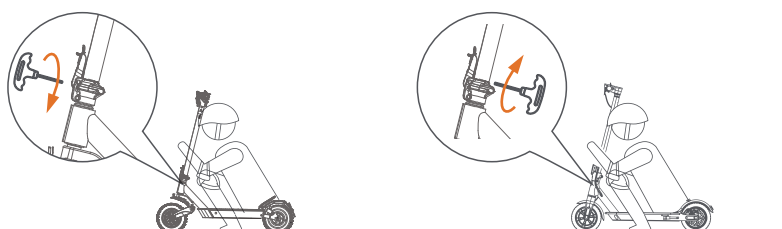
Hold the handlebar stem with either one hand or both hands to carry.

Adjusting the disc brake



If the brake is too tight, use the hexagon wrench to loosen the screws on the caliper, and slightly send back the brake cable to shorten the exposed length, then tighten the screws. If the brake is too loose, loosen the screws, and slightly pull out the brake cable to lengthen the exposed length, then tighten the screws.

Adjusting the handlebar



If the handlebar and its stem sway during riding, use the hexagon wrench to tighten the screws on the folding mechanism.

9 Daily Care and Maintenance

Cleaning and storage

If you see stains on the scooter's body, wipe them off with a damp cloth. If the stains won't scrub off, put on some toothpaste, and brush them with a toothbrush, then wipe them off with a damp cloth. If you see scratches on plastic parts, use sandpaper or other abrasive materials to polish them.

Notes: do not clean the scooter with alcohol, gasoline, kerosene or other corrosive and volatile chemical solvents to prevent dire damage. Do not wash the scooter with a high-pressure water spray. During cleaning, make sure that the scooter's turned off, the charging cable is unplugged, and the rubber flap is closed as water leakage may result in electric shock or other major problems.

When the scooter's not in use, keep it indoors where it is dry and cool. Do not put it outdoors for long time. Excessive sunlight, overheating and overcooling accelerate tire aging and compromise the scooter and the battery pack's lifespan.

Battery maintenance

1. Use original battery packs, use of other models or brands may bring about safety issues;
2. Do not touch the contacts. Do not dismantle or puncture the casing. Keep the contacts away from metal objects to prevent short circuit which may result in battery damage or even injuries and deaths;
3. Use original power adapter to avoid potential damage or fire;
4. Mishandling of used batteries may do tremendous harm to the environment. To protect natural environment, please follow local regulations to properly dispose used batteries.
5. After every use, fully charge the battery to prolong its lifespan.

Do not place the battery in an environment where the ambient temperature is higher than 122°F or lower than -4°F (e.g., do not leave the scooter or the battery pack in a car under direct sunlight for an extended time). Do not throw the battery pack into fire as it may lead to battery failure, battery overheating, and even another fire. If the scooter is expected to be left idle for more than 30 days, please fully charge the battery and place it in a dry and cool place. Keep in mind to recharge it every 60 days to protect the battery from potential damage which is beyond limited warranty.

Always charge before exhausting the battery to prolong the battery's lifespan. The battery pack performs better at normal temperature, and poor when it is below 32°F. For instance, when it is below -4°F, the riding range is only half or less at normal state. When the temperature rises, the riding range restores. For detailed information, please refer to Escooter App.

Note: fully charged this Electric Scooter will takes around 6-7 hours. The built-in intelligent chip will keep a log of its charging and discharging records. The damage caused by prolonged no charge is irreversible and is beyond limited warranty. Once the damage is done, the battery can not be recharged (non-professionals are forbidden to dismantle the battery pack, as it may cause electric shock, short circuit or even major safety accidents).

10 Specifications

Performance index	Item	Specifications
OVERALL DIMENSIONS	Net weight (lbs)	65lbs
	Gross weight (lbs)	71.6lbs
	working dimensions WxDxH (inch)	49.61X24.80X51.18
	folded dimensions WxDxH (inch)	49.61X8.86X21.06
	packaging size WxDxH (inch)	51.18X9.65X23.62
ACCESSORIES	List of main Accessories included	Charger, manual, tools kit(Allen wrench, forehead screw)
CHARGER	Model N	H1
	Input voltage (VAC)	100-240V
	Output Voltage (VCC)	54.6V
	Output current (A)	2A
GENERAL PERFORMANCES	Max range (Mile)	37~43Mile
	Max gradient (%)	20%
	Max load (lbs)	264.5
	Charging time (h)	6-7H
	Operating temperature (°C)	-5°/50°
	Suggested roads	Cement
	IP category	IPX5
BATTERY CONTROLLER	Rated voltage (VCC)	48V
	Kind	Li-on
	Cells type	18650
	Nominal capacity (Wh)	720Wh
	Nominal capacity (Ah)	15.0Ah
	Limit current (Ah)	23
	Battery pack weight	8.8lbs
	BMS System	Y
	Low voltage protection	When the battery voltage reaches 28V±0.5V, it enters the low-voltage protection, and the controller voltage reaches 30V±0.5V and an alarm will be issued
	Type of protections	Short circuit protection, overcharge protection, instantaneous overcurrent protection, 75 degree discharge temperature control protection, 0V protection at the charging port, continuous 25A discharge protection.
STRUCTURE	Frame	Aluminium
	Brakes	Disc Brakes+Electronic Brake
	Suspension	Dual Shock Absorbers
	Suspension type	Mechanical damping
	Tire size	10inch fat tire
	Tire type	Tubeless
	Motor position	Back wheel

Note: data and specifications may vary due to different models, and are subject to change without notice.

NOTE

Typically, a fully charged battery should retain power for 120-180 days. A low-power battery should retain power for 30-60 days. Remember to charge the battery after each use. Completely draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge-discharge condition of the battery; damage caused by over-charging or under-charging will not be covered by the Limited Warranty.

WARNING

Do not attempt to disassemble the battery. Do not touch battery contacts. Do not dismantle or puncture the casing. Keep the battery contacts away from metal objects to prevent short circuit. Risk of fire and electric shock. No user serviceable parts. Do not charge or use your battery if it is damaged or see trace of water.

WARNING

Do not ride when the ambient temperature is outside the machine operation temperature (see Specifications) because low/high temperature will limit the maximum power/torque. Doing so could cause personal injury or property damage due to slips or falls.

WARNING

Prolonged exposure to UV rays, rain and the elements may damage the enclosure materials. Store indoors when not in use.

Keep away from fire!

WARNING

For information about battery and electrical waste, please contact your household waste disposal service, your local or regional waste management office, or your point-of-sale.

Do not attempt to replace or disassemble the battery. Do not dismantle or puncture the casing.

Keep away from metal objects to prevent short circuit.

Risk of fire and electric shock. No user serviceable parts.

Do not store or charge the battery at temperatures outside the stated limits (see Specifications).

Never charge in areas forbidden by law.

Battery Charger

- Regularly examine the charger for damage to the cord, plug, enclosure and other parts. If any damage is found, stop using until it is repaired or replaced.
- The external cable of the charger (power supply unit) cannot be replaced; if the cord is damaged, the transformer must be discarded and replaced by a new one.

Cable Tension Adjustment

When the brake is too tight or loose, you can thread in/out the brake cable adjuster.

Others

- Before lifting, moving, or otherwise transporting the scooter, turn it off and fold the scooter. Handle with care and avoid violent force, such as throwing and heavy pressure. Keep away from fire and water.
- Tires supplied with the product are to be mounted on the wheel by a professional repairer. Removing the wheels is complicated and incorrect assembly can lead to instability and malfunctions.

In case of accidents or breakdown, contact an authorized repairer if the product is still under warranty. If it's not, you can contact any specialized repairer of your choice. You can ask for the list of the authorized repairers from the customer service available.

Efforts have been made to simplify wording in the user manual for users. Where an action appears too complicated for a user, he/she is advised to contact an authorized or a specialized repairer or customer service.

NOTICE: INSURANCE

YOUR INSURANCE POLICIES MAY NOT PROVIDE COVERAGE FOR ACCIDENTS INVOLVING THE USE OF THIS SCOOTER. TO DETERMINE IF COVERAGE IS PROVIDED, PLEASE CONTACT YOUR INSURANCE COMPANY OR AGENT.

11 Certifications

For Model: H1

This product is certified to ANSI/CAN/UL-2272 by UL.

The battery complies with UN/DOT38.3.

Federal Communications Commission (FCC) Compliance Statement for USA.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

12 Trademark and Legal Statements

The respective owners reserve the rights of trademarks referred to in this manual.

We have attempted to include description and instructions for all the functions of the electric scooter H1 at time of printing. However, due to constant improvement of product features and changes of design, your scooter may differ slightly from the one shown in this document.

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13 WARRANTY

The manufacturer warrants this product to be free of manufacturing defects for a period of 6 months/180-days from date of purchase. This Limited Warranty does not cover normal wear and tear, tires, tubes or cables, or any damage, failure or loss caused by improper assembly, maintenance, or storage or use of the H1.

What is not covered by this Warranty?

This warranty does not include labor and transportation charges. The scooter is designed for leisure and recreational use only. This Warranty does not cover normal wear and tear, paint, rust, normal maintenance items, personal injury, or any damage, failure, or loss that is caused by accident, improper assembly, maintenance, adjustment, storage, or use of the scooter.

This Limited Warranty will be void if the product is ever.

- Used in a manner other than for recreation or transportation.
- Modified in any way.
- Failure to follow the instructions or to perform any preventive maintenance.
- External causes such as accidents, abuse, or other actions or events beyond our reasonable.

The manufacturer is not liable for incidental or consequential loss or damage due directly or indirectly to the use of this product.

14 Contact

Contact us if you experience issues relating to riding, maintenance and safety, or errors/faults with your scooter.

Have your scooter serial number or order number on hand when contacting us. You can find the serial number on the front tire of the scooter.

15 Quick Setup

Control your Electric Scooter in APP

1. Download APP

Scan the QR code below or go to App Store to download MiniRobot

2. Add a device

Open the APP, select "Bluetooth" on the upper left to add a device H1.

