

Airwheel H3S

EN USER MANUAL



Diagram



Packing list

H3S	1 unit	Charger	1 piece
Instruction	1 unit		

Product Introduction

1. This product is designed for user's simple operation.
2. The reducer with dual back drivers is used to ensure the stability and reliability of driving.
3. Advanced controller, easy operation system.
4. Seat design complying with Human Engineering provide user with enough coziness.
5. The whole H3S could be folded and the pedals could be dismantled, easy for package, delivery and storage in household.

Installation and usage



Specifications

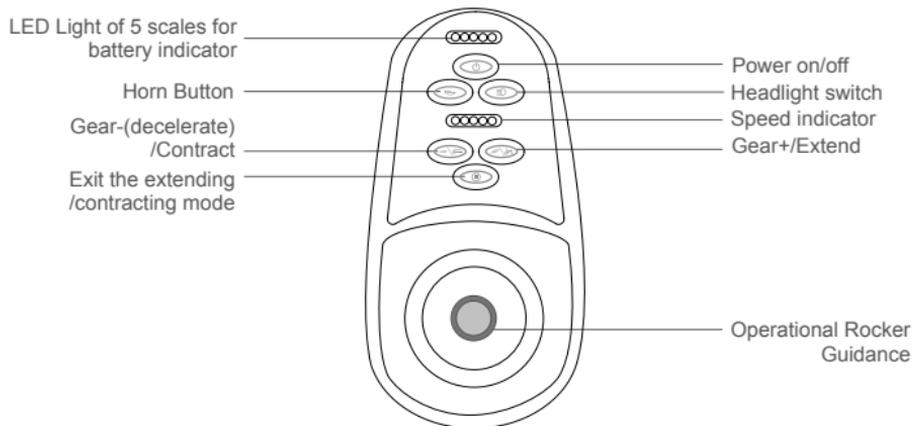
Main Technical Parameters

Size	1100X620X980mm	Item weight	~33kg
Folding size	890X620X400mm (controller size not included)	Max. load	130kg
Rotation radius	1.2m	Frame	Aluminum alloy 6061
Standard max. speed	6Km/h	Climbing capacity	about 8 °
Braking performance	≤ 1.5m	Slope capacity	about 8 °
Charging time	about 5H	Battery	lithium 25.2V 524Wh
Reduction gearbox	worm and gear reduction ratio 1: 32	Applicable temperature	-15°C ~50°C
Over-obstacle capacity	<40mm	Trench crossing capacity	<100mm
Front wheel	8 inch	Rear wheel	12.5 inch, inflatable tire
Motor	Dual-drive brush motor with clutch pull rod. Power: 200W; voltage: 24V; revolving speed: 3776rpm		
Automatic folding function	a key to automatically contract and extend		

Warning

Please do not throw away the waste battery, so as not to pollute the environment. The waste lithium battery of the product is to be recycled by the enterprise or dealer, and the government designated outlets.

Controller instruction



● Power on/off

In the power-off state, the H3S is not folded completely, click the switch to enter the ready mode.

In the ready mode, remote control mode, riding mode and pushing mode, click the switch to enter the power-off state.

● Headlight switch

In the ready mode, remote control mode, riding mode and pushing mode, click the button to turn on/ off the headlight.

● Horn Button

Press the button the buzzer will buzz; Release the button, the buzzer stop buzzing.

● Gear-(decelerate) /Contract

In the sleep mode, press the button over 2 seconds, the H3S enters the extending/contracting mode. Release it to contract.

In the extending/contracting mode, click the button to stop contracting if it is contracting. When extending stops, click it to contract.

In the ready mode, remote control mode and riding mode, click the gear button to decrease one gear.

- Gear+/Extend

In the sleep mode, press the button over 2 seconds, the H3S enters the extending/contracting mode. Release it to extend.

In the extending/contracting mode, click the button to stop extending if it is extending. When contracting stops, click it to extend.

In the ready mode, remote control mode and riding mode, click the gear button to increase one gear.

- LED Light of 5 scales for battery indicator

When battery is fully charged, the 5 scale light is on, and each scale represents 20% of the charge. When only 2-scale light is on, it is advisable to charge the H3S, which is better for the battery duration. When only 1-scale light is on, it warns that battery is under low charge condition. In this event, it is not allowed to use the H3S continuously; otherwise, the battery will keep discharging and be damaged.

- Exit the extending/contracting mode

In the extending/contracting mode, click the button to stop extending or contracting. It enters the shutdown state.

- Speed indicator

Speed of 5 levels is available: Press the slower speed once, and the speed will be reduced by one level; Press the higher speed once and the speed will be increased by one level.

How to use the controller

The controller controls H3S to go forward, backward, and turn left and right, and to accelerate, decelerate and brake. After turn on the switch button, push the rod forward vertically and H3S moves forward. More forward, the faster the speed. Release the rod to slow down and when fully released, the rod is reset and H3S stops and is in the braking state. Pull the rod backward, H3S moves backwards, more backward, the faster the speed to backward. Release the rod to slow down and when fully released, the rod is reset and H3S stops and is in the braking state.

Similarly, turn the rod to left or right, H3S will turn left or right. Pushing more left or right, the faster the speed towards left or right. Release the rod to slow down and when fully released, the rod is reset and H3S stops and is in the braking state.



Forward:

Push the operational rocker forward and the H3S will move forward.



Backward:

Pull the operational rocker backward and the H3S will move backward.



Leftward:

Push the operational rocker leftward and the H3S will move to the left.



Rightward:

Push the operational rocker rightward and the H3S will move to the right.

Safety

Please read User Manual carefully and follow riding requirements during the H3S ride. Please do not use it until riders have read User Manual carefully and learned the performance well. Do not lend it to those who cannot manipulate H3S.

Important Note:

You need lots of practice to grasp the skill before you ride H3S safely. If you are not skilled, or fail to follow the user guide of this product, it may cause rider or others injury or property loss. Our company only takes the responsibility for product defects or damage, and we are NOT responsible for physical injury or property loss related with using products.

Attentions before operation:

1. Get familiar with local traffic rules.
2. H3S belongs to non-motor vehicle, being designed especially for the old or disabled. No driving license is needed in accordance with traffic law, but driver of H3S should observe the same traffic rules that are applied to pedestrians. Please drive H3S in pedestrian lane or bike lane.
 - ① Get familiar with all the traffic signals marks used for pedestrians.
 - ② Do not turn direction or cross road suddenly when driving on road.
3. Operation Practice.
Before your first time to operate this H3S, please get familiar with all the functions of this vehicle. Practice the operations like moving forward, increasing speed, reducing speed, stopping, moving backward, moving uphill, moving downhill and turning direction in a safe pace with less people and good road condition. Then you can officially drive on road after getting familiar with all these operations.
4. If possible, please find a person familiar with this H3S to accompany you to ensure your safety during first on-road operation.
5. Do not drive the H3S after you drink, are exhausted or are not consciously clear to guarantee your safety.
6. Please confirm that the operator of this H3S is not suffered from any mental disease or other diseases that may attack during driving and result in the driver's incompetence of driving the vehicle safely.
7. If you are taking medicine, please confirm from your doctor that if such medicine will have adverse influence on your ability to operate the H3S.
8. Check the vehicle condition to confirm if the brake and various properties are normal, if the seat is locked and if the charge volume is enough.
9. Do not refit this H3S without the authorization of our company



- Never expose the electrical system of this vehicle to humid environment (such as rain, snow or fog), do not wash this vehicle with water, which will damage the electrical system. If the H3S is wet, it could only be used after being dried and confirmed for good condition.
- Do not drive the H3S under hostile weather conditions, such as rain, snow, fog, strong wind, temperature lower than -20°C or higher than 40°C. The electrical system may be damaged under those conditions to cause failures in control.
- Do not drive the H3S on desert, beach, muddy road, road with pooled water, iced road, too smooth road or saline and alkaline land to prevent the driving property of this vehicle.

Attentions during Operation:

1. H3S is designed with only one seat not allowing for taking passengers.
2. H3S is not intended to be used for moving or loading cargos.
3. The operator should sit on the seat and grip the handle for operation.
4. Do not drive in a zigzag manner, take a sudden turn at high speed or incline your body to prevent H3S inclination to one side.
5. Please high concentrate and drive slowly on uneven or soft road (such as grassland), when making a turn, on streets with a lot of traffic, in shopping centers or parks.
6. Do not use wireless communication devices such as mobile phone during driving. These devices could only be used when you stop the H3S in a safe place and cut off the power supply.
7. When moving backward, pay attention to road conditions and pedestrians at a slow speed.
8. Drive at a slow speed when getting out of door or elevator. It is not permitted to sit on the H3S on escalator.
9. Keep highly concentrated, fasten the safety belt and drive straightly at a slow speed when driving uphill or downhill. It is not permit to drive the H3S across slopes exceeding the limit of this vehicle.
10. Do not cross the slope exceeding 5° at a high speed.
11. Do not cross over obstacles or steps higher than 4cm, which may impede the H3S from moving forward. At this condition, release operational handle immediately.
12. Do not cross any gap wider than 10cm. Drive the H3S straightly when crossing gap less than 10 cm in width.
13. Follow traffic rules when driving through cross street and do not run a red light. When passing railway, please stop to observe the surrounding conditions, and then drive across the railway slowly in a direction perpendicular to tracks to avoid dropping into the gap between different sleepers.
14. Do not frequently lock or unlock the electrical door. Do not frequently start or stop the H3S.
15. Do not lend your H3S to anyone who is not familiar with or has never used this vehicle. Do not fet children paly with electrical door lock or operational handle.
16. Do not use this vehicle with too much load (higher than 100KG).



When you release the operation handle during driving and the handle has returned to the central position, but the H3S does not stop, please lock the electrical door as soon as possible and contact the nearest dealer.

Attentions after Operation:

1. If you are not going to use the H3S for over 48 hours, Please turn off the power switch.
2. When bring H3S to other vehicles, make sure the battery is fixed.

Battery usage:

1. Auxiliary charge: such as short delivery time, users can directly use the battery.If the delivery time is longer (2 months or longer), the battery will lose power during storage and transport. It is better to charge the battery before use. To charge it requires plugging the exclusive charge to the battery charging hole and connecting AC100-240V power source for 2~4 hours until the charger is full.
2. The normal charge of the battery: the operation of AIR is also the discharge process of the battery. The battery should be charged immediately after the use of the power-assisted vehicle.
Please turn off the power if not riding.
3. The connectors of the battery box should be fixed tightly according to the requirements (the battery box connecting line has been reliably connected before ex-factory). Loosened or wrong connection will cause the related parts abnormal and lead to serious damage.

4. Lithium batteries can not be close to open fire or high temperature heat source, can not be thrown into water and can not be exposed in the sun in high temperature season.
5. Do not disassemble and decompose, as the internal part of them lithium battery has been packaged intactly.
6. The waste lithium battery of the product is to be recycled by the enterprise or dealer, and the government designated outlets. Please do not throw away the waste battery, so as not to pollute the environment.

Charger usage:

1. Carefully check whether the charger's rated input voltage (AC100-240V) and the grid voltage is consistent.
2. When the vehicle needs charging, first connect the battery to the charger, and then connect the charger to AC power source. The charging indicator is red meaning it is charging. When it turns green, it will take 15 minutes to be fully charged. The charging time is about 2-4 hours (depending on the quantity of remaining battery).

Matters needing attention in charging:

1. When charging, please put it in the safe place where children can not touch.
2. It is not advised to use it when it is not fully charged.
3. Do not use other brands of chargers, and other brands of batteries are not suitable for the use of the charger.
4. Do not disassemble, as the charger contains high voltage circuit.
5. Prevent liquid and metal particles from penetrating into the inside and be aware of falling and impact, so as not to cause damage during use and storage.
6. When charging, do not affix any items.
7. Before long-period storage, make sure it powers off and is fully charged, and charge it every 2 or 3 months.

How to Drive this H3S:

1. The driver should fasten safety belt after sitting on the seat.
2. Press the starting button and then the 5-scale charge volume display will be on or twinkles slowly,
3. Push the rocker slowly forward until you hear the sound of electromagnetic brake. At this time, the H3S should move forward. Similarly, push or pull the rocker backward/leftward/rightward, the H3S will move backward/leftward/rightward.
4. Adjust the speed scale button to regulate driving speed according to road condition, surrounding conditions and personal preference.
5. When you want to stop, release the operational rocker and it will turn to central position. Then you could hear electromagnetic sound soon, it means that the H3S is braking steadily.
6. Pay attention to surrounding conditions when moving backward. Slowly pull the rocker backward and the H3S will move backward.

Airwheel reserves the right of final interpretation of all the terms and conditions of this User Manual.

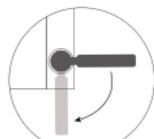
Notes on folding armrest manually



- When folding upward the armrest manually (see step ①), please be careful and do not overexert or exceed the limit.
- When unfolding downward the armrest manually, push the support rod downward (see step ②) to make it easier to unfold.

Operate tie rod of clutch

Pull the tie rod to the open position, then the brake of H3S will not work, the wheelchair can be pushed by people (no matter the H3S is power on or power off, people can do it), when people pull the tie rod to the close position, nobody can push the H3S.

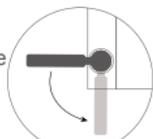


Battery mode

Hand mode



Tie rod of clutch
Hand mode, pull it counterclockwise to brake.
Electric mode, pull it clockwise to brake.



Electric mode

Hand mode



Tie rod of clutch
Hand mode, pull it clockwise to brake.
Electric mode, pull it counterclockwise to brake.



The clutch lever must be in electric mode, it means the H3S is braking, people can drive the H3S. To ensure the security of people and H3S, it is prohibited to use this function when the H3S uphill or downhill.

App download (optional)

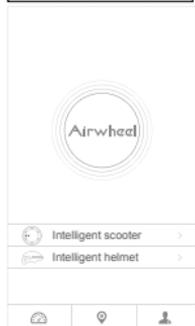


Scan QR code to download

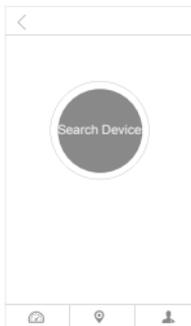
*Applicable to Android 4.3 or higher, iOS 7.0 or higher.

APP Instructions

1. Turn on H3S power button, and start App as well as Bluetooth.
2. Click the search button and do as the follows to connect (verify password is 11111111).
3. Refer to official website or give calls for details.



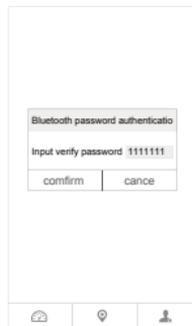
Click the Intelligent scooter in the App interface.



Click the search button or .



Search Airwheel nearby, click the searched Airwheel model to connect.



Input the verify password: 11111111 to connect.



Power on and enter the home page.



Click the headlight button to turn on the headlight. Click the buzzer button, buzz sound will be heard.

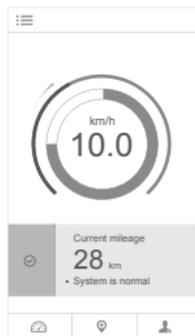


When H3S is powered off, click the contracting button and it will contract automatically. Click the extending button and it will automatically extend. Click the stop button, it will stop contracting or extending.

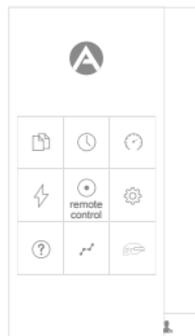


When the icon-H3S showing on the home page, it means it is ready to be ridden.

APP remote control operation (optional)



Click the main interface button  to open the sidebar.



Click the  button in the sidebar to open the remote control interface.



Move the button  to operate the intelligente scooter going forward, backward or turning.



Slide the control speed  and click the icon  to switch to the hand-operation mode.

Backpack (optional)



The four corners' Velcro are tied to the frame respectively (see right Figure), to complete the installation, and it can also be removed.





For indoor and outdoor usage



For indoor usage



The electronic equipment to be recovered separately (only for battery chargers)



Protection class-II



CE certification



Brake is activated



Brake is not activated (in the neutral position, it can be pushed or can not be ridden in electric mode)



Please be careful when going downhill in the neutral position



It's not suitable to be the seat of motor vehicle



Product model

Changzhou Airwheel Technology Co.,Ltd.

Address: 5th Floor, No. 10 building, High-Tech Park, Kewu Road, Changzhou, China
Web: www.airwheel.net Email: business@airwheel.net Tel: +86-519 88295800

Airwheel Europe S.A.

Add: Baroc Business and Research Office Center, Rue Laid Burniat 3, 1348 Louvain-la-Neuve Belgium
Email: Jonas@airwheel.net MP: +32 494 26 71 78

