

Airwheel H3

EN USER MANUAL



Diagram



Packing list

| | | | |
|------------------------|---------|-------------|---------|
| H3 electric wheelchair | 1 unit | Charger | 1 piece |
| Battery holder | 1 piece | Instruction | 1 unit |

Product Introduction

H3 electric wheelchair

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 wheelchair could be folded and the pedals could be dismantled, easy for package, delivery and storage in household.

Installation and usage



1.Controller installation

Insert the fixing lever of the controller into the square tube and adjust the position of the controller to the appropriate position, and tighten the fixing bolt to fasten it.

2. Charging

Specifications

Main Technical Parameters

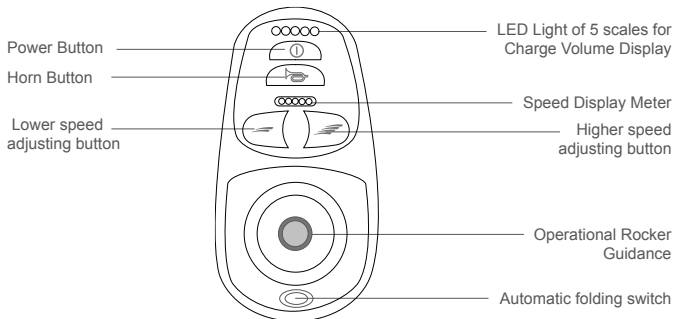
| | | | |
|----------------------------|--|--------------------------|-------------------------------|
| Size | 1020X630X995mm | Item weight | ~30.5kg |
| Folding size | 790X630X370mm | Max. load | 130kg |
| Rotation radius | 1.2m | Standard max. speed | 6Km/h |
| Charging voltage | AC220V 50-60Hz | Climbing capacity | about 8 ° |
| Braking performance | ≤ 1.5m | Slope capacity | about 8 ° |
| Charging time | about 8H | Battery capacity | lithium 24V 18AH |
| Reduction gearbox | worm and gear reduction ratio 1: 30 | Applicable temperature | -15°C ~50°C |
| Battery type | lithium battery | Nominal voltage | 24V |
| Over-obstacle capacity | <40mm | Trench crossing capacity | <100mm |
| Front wheel | 8 inch, solid tire | Rear wheel | 12.5 inch, inflatable tire |
| Motor | dual drive brush motor with electromagnetic brake. Power: 200W; voltage: 24V; revolving speed: 4500rpm | | |
| Automatic folding function | a key to automatically fold and unfold | | |
| Frame | Aluminum alloy 6061 | Overcurrent protection | ≤ 18A |
| Rated speed | 380r/min | | |

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.

To start it normally, please ensure the switch is placed in the stop gear. After folding, please ensure the switch is placed in the stop gear.

Controller instruction



● Power Button

Press the button and the power is on, then press the button for another time, the power is off.

● Higher speed and lower speed adjusting button

There are five scales in the display meter, representing the respective adjusted speed state.

● Horn Button

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

● Speed Display Meter

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.

● LED Light of 5 scales for Charge Volume Display

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 wheelchair, 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 wheelchair continuously; otherwise, the battery will keep discharging and be damaged.

How to use the controller

The controller controls H3 to go forward, backward, and turn left and right, and to accelerate, decelerate and brake. After opening the switch button, push the rod forward vertically and H3 moves forward. More forward, the faster the speed. Release the rod to slow down and when fully released, the rod is reset and H3 stops and is in the braking state. Pull the rod backward, H3 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 H3 stops and is in the braking state.

Similarly, turn the rod to left or right, H3 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 H3 stops and is in the braking state.



Forward:
Push the operational rocker forward with forefinger and the wheelchair will move forward.



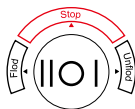
Backward:
Pull the operational rocker backward with forefinger, the wheelchair will move backward.



Leftward:
Push the operational rocker leftward with forefinger and the wheelchair will move to the left.



Rightward:
Push the operational rocker rightward with forefinger and the wheelchair will move to the right.



Automatic folding

1. Please turn on the power first;
2. Place the switch in the "II" gear, and the body can automatically fold. After folding, place the switch to stop gear; Place the switch in the "I" gear, and the body can automatically unfold. After unfolding, place the switch to stop gear.

Safety

Please read User Manual carefully and follow riding requirements during the H3 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 e bikes.

Important Note:

You need lots of practice to grasp the skill before you ride H3 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. This wheelchair 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 this wheelchair should observe the same traffic rules that are applied to pedestrians. Please drive this wheelchair 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 wheelchair, 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 wheelchair to accompany you to ensure your safety during first on-road operation.
5. Do not drive the wheelchair after you drink, are exhausted or are not consciously clear to guarantee your safety.
6. Please confirm that the operator of this wheelchair 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 wheelchair.
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 remove anti-tilting wheel.
10. Do not refit this wheelchair 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 wheelchair is wet, it could only be used after being dried and confirmed for good condition.
- Do not drive the wheelchair 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 wheelchair 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. This wheelchair is designed with only one seat not allowing for taking passengers.
2. This wheelchair 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 wheelchair 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 wheelchair 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 wheelchair 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 wheelchair 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 wheelchair from moving forward. At this condition, release operational handle immediately.
12. Do not cross any gap wider than 10cm. Drive the wheelchair 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 wheelchair.
15. Do not lend your wheelchair 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 wheelchair does not stop, please lock the electrical door as soon as possible and contact the nearest dealer.

Attentions after Operation:

1. Lock the electrical door when there is nobody in the wheelchair,
2. If you are not going to use the wheelchair for over 48 hours, please disconnect the battery wiring. (note removing power source socket could disconnect battery wiring);
3. When bring H3 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 AC220V 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.
3. Please turn off the power if not riding.
4. 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.

5. 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.
6. Do not disassemble and decompose, as the internal part of them lithium battery has been packaged intactly.
7. 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 (AC220V) 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.

How to Drive this Wheelchair:

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 wheelchair should move forward. Similarly, push or pull the rocker backward/leftward/rightward, the wheelchair 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 wheelchair is braking steadily.
6. Pay attention to surrounding conditions when moving backward. Slowly pull the rocker backward and the wheelchair will move backward.

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

Operate tie rod of clutch

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



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



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



Only when the tie rod on close position, it means the wheelchair is braking, people can drive the wheelchair. To ensure the security of people and wheelchair, it is prohibited to use this function when the wheelchair uphill or downhill.