



Airwheel

USER MANUAL

H3PS AUTOMATIC FOLDING
POWER WHEELCHAIR

 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.

H3PS Diagram



Packing list

H3PS	1 unit	Charger	1 piece
Instruction	1 unit	Accessory	1set
Footrest	1 piece		

Specifications

Product size	955×605×855mm	Turning radius	1 m
Folding size	950×605×340mm	Standard Top Speed	6km/h
Net weight	19.5kg (Without battery)	Max. loading	120kg
Frame	Aluminum alloy 6061	Climbing ability	≥ 6°
Operation temperature	-15°C ~50°C	Hill-holding performance	9°
Front wheel	7inch	Automatic folding function	Yes
Rear wheel	10inch Pneumatic tire	Gully-crossing ability	< 100mm
Reduction gearbox	Worm and gear reduction ratio 1: 32	Braking performance	≤ 1.5m
Obstacle resistance	< 25mm	Big Battery	524Wh Lithium battery
Small Battery	158.8Wh Lithium battery	Big Battery weight	3.3KG
Small Battery weight	1.5KG	Big Charging time	5h
Small Charging time	3h		

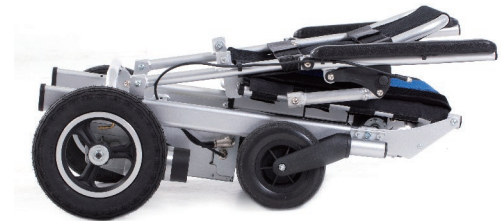
Wheelchair motor specifications

Motor Type	Brushless Motor
Clutch handle	Yes
Voltage	24V
Motor power	200W*2

H3PS guide

1.Take out the wheelchair and check accessories

Open the box and take out the power wheelchair lightly, put it on the ground. Check the accessories in the box. The accessory box is equipped with a charger, controller, manual, cable ties, tools, etc.



2.Install the joystick

The joystick could be installed on the left or right armrest freely, according to user's habit

- ① Fix the joystick groove with screw and tighten the screw (Figure 2-1)
- ② Insert the joystick into the groove and tighten the screw. (Figure 2-2)
- ③ Connect the wires and fix the wires with cable ties.(Figure 2-3)



2-1

The joystick
groove
The joystick
assembly



2-2

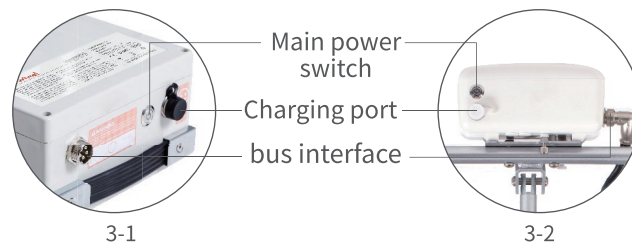
Screw



2-3

3. Turn on the power

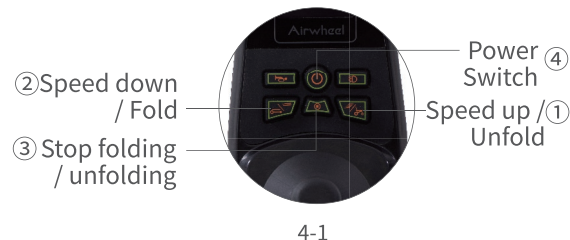
After completing the above steps, turn on the main power switch. The main battery power switch, charging port and bus interface are located at the back of the battery box (see Figure 3-1). The main battery power switch and charging port are located above the battery box, and the bus interface is located on the side of the battery box (see Figure 3-2).



4. Unfold the wheelchair

Press and hold the up/extension button 1 on the controller for 3 seconds in the off state (as shown in Figure 4-1). When the controller panel lights up. Release the button when the “Drip” sound appears, wait for the wheelchair to automatically expand. After the expansion is completed, press ③ to exit the expansion and contraction.

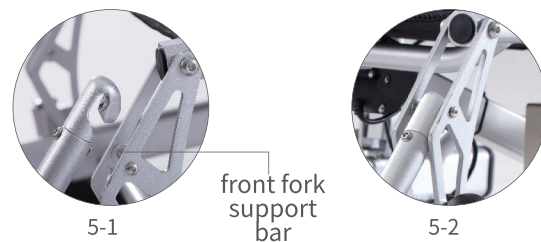
Note: After stretching or folding, be sure to press the ③ key to exit the telescopic mode, otherwise it will affect the normal start up of the wheelchair.



5. Install the pedal

Hang the pedal on the front fork support bar (Figure 5-2), wheelchair installation completed. Turn on the power switch ④ and start to use (Figure 4-1).

Note: Please check the left and right clutch before use to ensure that the clutch is in the electric mode to drive the wheelchair. See page 11 for details.



Assembly and use of major components

1.Big battery disassembly instructions

When removing the battery case, first make sure that the main power switch is off. Unplug the battery bus connector (as shown in Figure 1-1), press the spring clip and pull out the battery case (Figure 1-2); when the battery is installed, insert the battery box directly until the spring clips the battery box, then put Insert the battery bus plug into the battery bus jack.

Note: 1. Pay attention to the front and back of the battery case, and the side with the sticker facing up.

2. When the battery bus is plugged in and out, please align the card slot with the protrusion (as shown in Figure 1-3).

3. Do not touch the main wires and charging port with metal objects when the main battery switch is turned on, to prevent damage to accessories and danger.

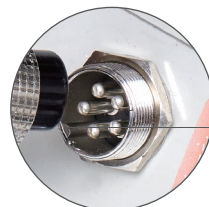


1-1

Main power
switch
shrapnel
bus plug



1-2



1-3

top sticker
bus bump



1-4

Main power switch

When the switch indicator lights up, the wheelchair is energized. When the switch indicator is off, the wheelchair is not powered.

Note: When the battery is connected to the charger, the main power switch cannot be turned on. Please unplug the charger connector and then press the switch.

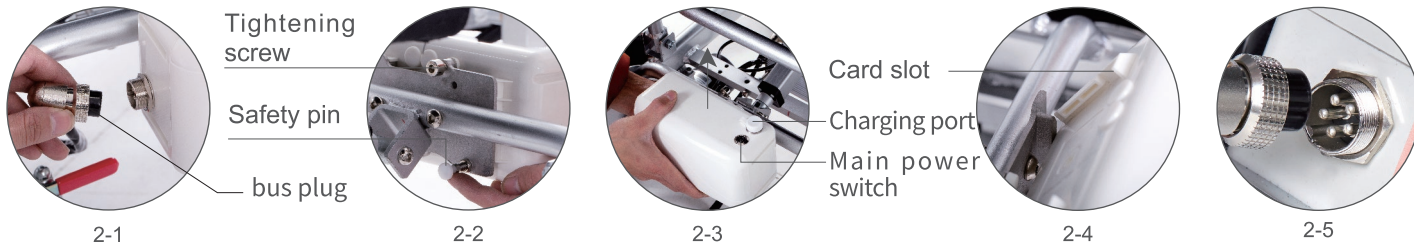
Main power
switch



2.Small battery disassembly instructions

Small battery removal: first make sure that the main power switch is turned off. Unplug the battery bus plug (as shown in Figure 2-1), loosen the screws (as shown in Figure 2-2), and pull the small battery up while pulling out the safety pin (see Figure 2-2, 2-3); Small battery installation: Insert the battery box along the slot while pulling the safety pin outward (see Figure 2-4), insert it at the bottom to loosen the safety pin, and hear a click, the safety pin is locked; then tighten the top screw ; Finally, insert the battery bus plug into the battery bus jack.

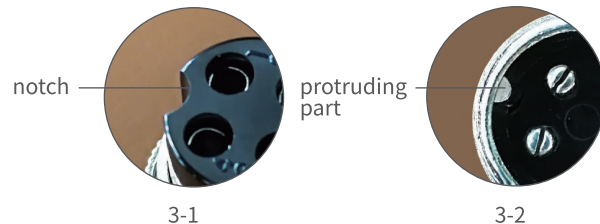
Note: 1. Tighten the screws and safety pin on the back of the battery box.
2. When the battery bus is plugged in and out, please align the card slot with the protrusion (as shown in Figure 2-5).
3. Do not touch the main wires and charging port with metal objects when the main battery switch is turned on, to prevent damage to accessories and danger.



3.Battery charging instructions

Before charging, please connect the charger to the charging port on the wheelchair battery box, and then connect the AC power. When connecting with the charging port, please align the charger slot with the socket (as shown in Figure 3-1) insert and then tighten the cover. When unplugging, first loosen the cover and then pull out the charger.

Tip: Please turn off power to prevent the battery from over-discharging if riders don't use it.



4. Left and Right Joystick Exchange

Disconnect the joystick cable (Figure 4-1) and loosen the screw to remove the joystick (Figure 4-2). Remove notch of one side of the joystick (Figure 4-3), turn it 180 degrees to the other armrest position, tighten the screw to secure the joystick (Figure 4-4), then insert the joystick into the notch. Attach the screw (Figure 4-5), reconnect the joystick wiring, and finally attach the joystick cable with the cable ties (Figure 4-6).



5. Armrest instructions

- ① Press and hold the armrest button (see Figure 5-1) while pulling the armrest up 90° (see Figure 5-2)
- ② Reset the armrest down and complete the fixing (see Figure 5-3), which is normal use state.



6.Controller instruction



• Power Switch

Make sure the power button on the battery box is turned on and the wheelchair is unfolded, then press the power switch on the controller to be ready to drive or remote control. Press it again to shut down the ready mode.

Remarks: The wheelchair cannot be turned on when it is folded. You need to unfold the wheelchair and then it could be turned on.

• Speed down / Fold

In the power-off state, press the button over 2 seconds, the Wheelchair 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.

Note: During the folding process, you can stop folding by turning the joystick or clicking any key.

• Headlight switch

Make sure both the power on the battery box and on the controller are turned on, then press the headlight switch to turn on the headlight, and press it again to turn off.

• Stop folding / unfolding

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

• LED display

LED display can display information such as speed, gear / status description, power, etc.

Wheelchair gear / mode description

Wheelchair speed is adjustable in 5 speeds: D1, D2, D3, D4, D5

DR in gear / mode area indicates entering remote mode; DF indicates entering folding mode

B means the wheelchair Bluetooth is connected with the APP or Bluetooth wireless remote control

E01-E16 corresponding error code

A01-A16 corresponding alarm code

• Horn Button

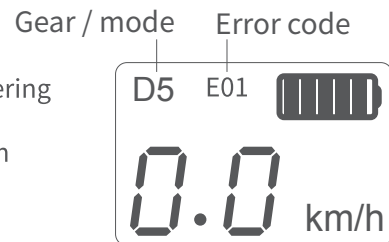
Press the button the buzzer will buzz; Release the button, the buzzer stop buzzing.

• Speed up / Unfold

In the power-off state, press the button over 2 seconds, the Wheelchair 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.



- Off state: The power switch on the battery box is on, the power button on the controller is off, and the LED display is off.
- Standby state: Press the power button, the LED display is always on and no operation is performed.
- Riding status: Press the start button, the LED display is always on, and the joystick is used to put the wheelchair in motion.

7.How to use the controller

The controller controls Wheelchair 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 Wheelchair moves forward. More forward, the faster the speed. Release the rod to slow down and when fully released, the rod is reset and Wheelchair stops and is in the braking state. Pull the rod backward, Wheelchair 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 Wheelchair stops and is in the braking state.

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



Forward:

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



Backward:

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



Leftward:

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

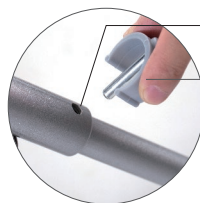


Rightward:

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

8.The pedal height adjustment

Remove the pedal buckle, adjust the pedal height up and down to the appropriate position, insert the pedal buckle into the hole, it has three height to choose.



Hole position

pedal buckle

8-1

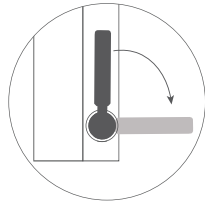


8-2

9. 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.

Electric mode



Hand mode

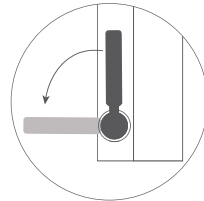


Left clutch lever

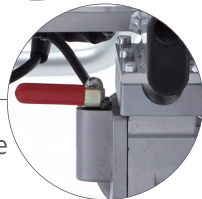
The manual mode as left figure. Rotate the left clutch lever 90 degrees counter-clockwise to the electric mode



Electric mode



Hand mode



Right clutch lever

The manual mode as right figure. Rotate the right clutch lever 90 degrees clockwise to the electric mode



1. The clutch lever must be in electric mode, people can drive the wheelchair.
2. To ensure the security of people and wheelchair, it is prohibited to toggle the clutch lever when the wheelchair is uphill or downhill.

How to Drive this Wheelchair:

1. Turn on the main power switch.
2. The driver should fasten safety belt after sitting on the seat.
3. Turn on the controller switch button and wait for 1 second, the LED display will be on.
4. 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.
5. Adjust the speed scale button to regulate driving speed according to road condition, surrounding conditions and personal preference.
6. 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.
7. 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.

Safety

Please read User Manual carefully and follow riding requirements during the Wheelchair 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 Wheelchair.

Important Note:

You need lots of practice to grasp the skill before you ride Wheelchair 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. Wheelchair belongs to non-motor vehicle, being designed especially for the old and the people with mobility problem. No driving license is needed in accordance with traffic law, but driver of Wheelchair should observe the same traffic rules that are applied to pedestrians. Please drive 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.

Operation Practice.

3. 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.
If possible, please find a person familiar with this Wheelchair to accompany you to ensure your safety during first on-
4. 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 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. Wheelchair is designed with only one seat not allowing for taking passengers.
2. 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 120KG).

 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. If you are not going to use the Wheelchair for over 48 hours, Please turn off the power switch.
2. When bring Wheelchair 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 5 hours
2. until the charger is full.
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.
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 5 hours (depending on the quantity of remaining battery).

Matters needing attention in charging:

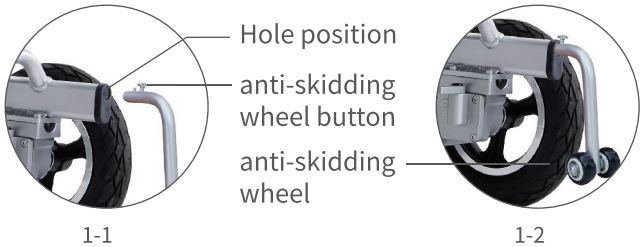
1. When charging, please put it in the safe place where children can not touch.
2. It is not advised to use it when it is not fully charged.
3. Do not use other brands of chargers, and other brands of batteries are not suitable for the use of the charger.
4. Do not disassemble, as the charger contains 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. It requires to charge it fully and turn off power before storage. Charge it every three months (at most).

Optional assembly and use

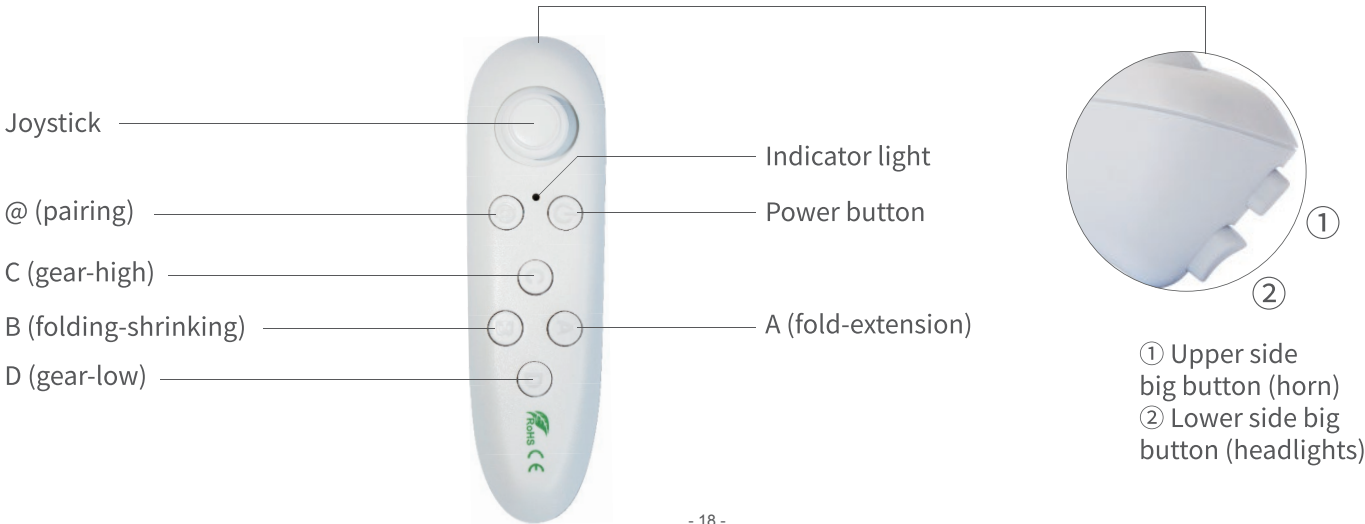
1.Anti-skidding wheels instructions (if have this optional)

Anti-skidding wheel installation: press the button on the tube, at the same time, insert it into the hole of the frame, and release the button, it locked and installed.

Anti-skidding wheel dismantle: press the button on the tube, pull the anti-skidding wheel out, and then release the button.



2.Blutetooth remote control(if have this optional)



Remote control bluetooth pairing

1. Put AAA battery into the handle, power on, The green light flashes once in an instant; Let the remote control close to the wheelchair in 1 meter, Short press "Power button", The green light is always on, then press the "@" button quickly, the green light starts to breathe slowly and enters the pairing (do not move the joystick during the pairing process); After the pairing is successful, the green light flashes quickly. After a few seconds, turn on the wheelchair and enters the remote control mode. Now the remote control stops flashing, and it lights 0.5s and then goes off.

How to use the bluetooth remote control

1. Push the joystick, it could control the wheelchair to run, stop and turn normally, and the remote control indicator light goes off, short press the "upper side big button", the horn sounds, short press the "downside big button", the headlights turn on; The green light flashes once every 5 seconds when it is in remote control mode.
2. Short press button "C", the wheelchair switches to highest speed (5), and press button "D", the wheelchair switches to lower speed (2).
3. Short press or long press "Power button" and release, the wheelchair joystick light will be off and power off, then short press or long press "Power button" and release, the wheelchair will automatically turn on within 3~5 seconds;
4. After the above steps, short press or long press the "power button" and release, the wheelchair will be turned off. At the moment, press and hold the "B" button, the wheelchair automatically enters the folding mode and starts to fold, then release the button and short press "B", the folding pauses. and then short press "A", the wheelchair will be unfolded. After the expansion is completed, short press the "@" button, the wheelchair exits the folding mode, the joystick turned off and the light is off.

Bluetooth remote indicator

1. Short press or long press "Power button" and release, the wheelchair is power on, long press "@" button, after a few seconds, the red light flashes once, it exits the remote control mode and goes to sleep mode; Short press the "Power button", the remote control will wake up, the green light will flash quickly, the remote control will automatically connect the wheelchair after a few seconds, and the wheelchair will automatically turn on.
2. After power on, push the Bluetooth remote joystick and release, from now on, about 2 minutes later, the remote control automatically enters the sleep state, and the red light flashes once.
3. When the dry battery voltage is lower than 2.1V, the Bluetooth remote control will be in a low battery state, and the red light will continue to flash.

App download(if have this optional)

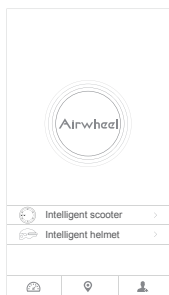


Scan QR code to download

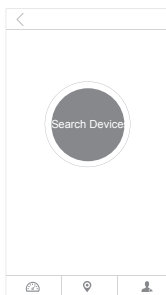
*Applicable to Android 4.3 or higher, iOS 7.0 or higher.

APP Instructions

1. Turn on Wheelchair 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.



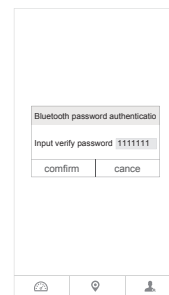
Click the Intelligent scooter in the App interface.



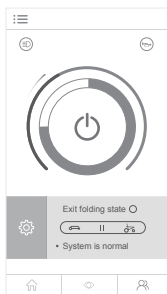
Click the search button or  .



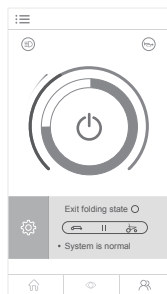
Search Airwheel nearby,click the searched Airwheel model to connect.



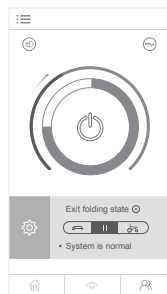
Input the verify password: 11111111 to connect.



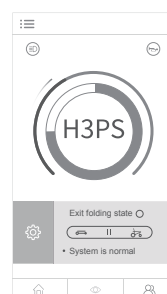
Power on and enter the home page



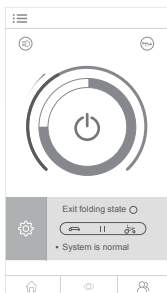
Click the headlight button to turn on the headlight. Click the buzzer button, buzz sound will be heard.



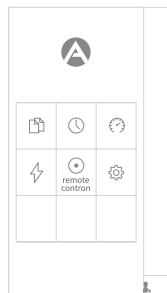
When Wheelchair is powered off, click the contracting button and it will contract automatically. Click the extending button and it will automatically extend. Click the stop button, it will stop contracting or extending.



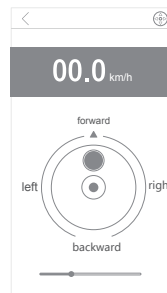
When the icon-H3PS showing on the home page, it means it is ready to be ridden.



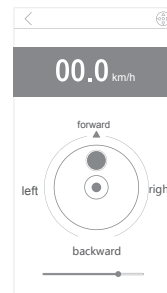
Click the main interface button to open the sidebar.



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



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



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

