



# Airwheel H3T

EN USER MANUAL

# Diagram



## Packing list

H3T	1 unit	Charger	1 piece
Instruction	1 unit	Accessory	1 set

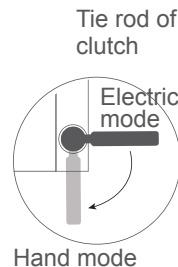
## User Instructions:

### 1. Take out the accessory box at the rear of the wheelchair

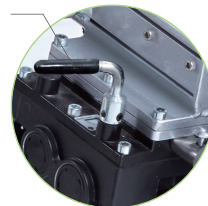
Open the wheelchair carton, take out the wheelchair and place it gently on the floor, then take out the accessory box at the rear of the wheelchair (see Picture 1-1) and remove the cardboard near the motor lock. Turn the motor lock to drive mode (see Picture 1-2). Contents in the paper box: a Charger, controller, user manual, plastic tie and assembling tools etc.



1-1



Hand mode



1-2

### 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

The joystick wiring



2-3

### 3. Turn on the main power

After completing the above steps, turn on the power. The main power switch and charging port are located behind the battery compartment (Picture 3-1).

Charging port

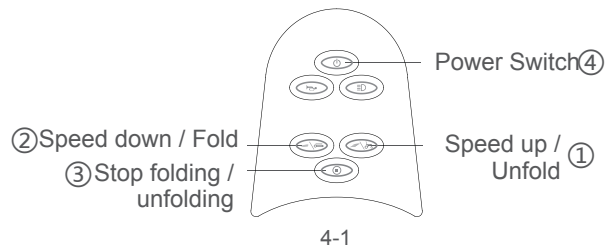
Main power switch



3-1

## 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. Turn on the power switch ④ and start to use (Figure 4-1).



### Notes:

If the wheelchair cannot be folded automatically due to a malfunction of the electrical parts, please use the given tools to remove the screws located at the rear of the wheelchair (see Picture 4-2) to fold/unfold it manually.

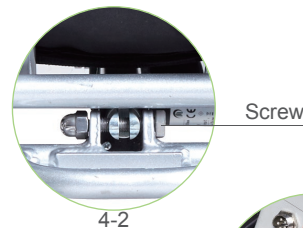
## Installation and usage

### 1. 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 bus, 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.

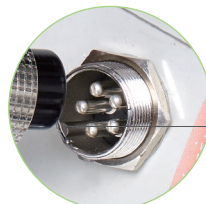
2. When the battery bus is plugged in and out, please align the card slot with the protrusion (as shown in Figure 1-3).
3. Do not touch the main wires and charging port with metal objects when the main battery switch is turned on, to prevent damage to accessories and danger.



1-1



1-2



1-3



## 2.Main power switch

When the indicator is on, H3T is powered on, and when it's off,H3T is powered off.

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

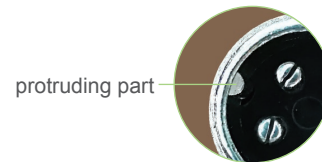
## 3.Battery charging instructions

Please connect the charger to the wheelchair before connecting it to the AC power while charging. Please align the notch on the charger (See Picture 3-1) with the protruding part of the charging port (See Picture 3-2), insert and tighten the fixing cap for connection. Please loosen the fixing cap before removing the charger from the wheelchair.



notch

3-1



protruding part

3-2

## 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).



4-1



4-2

The joystick assembly

The joystick groove

Screw



4-3



4-4



4-5



4-6

## Warning

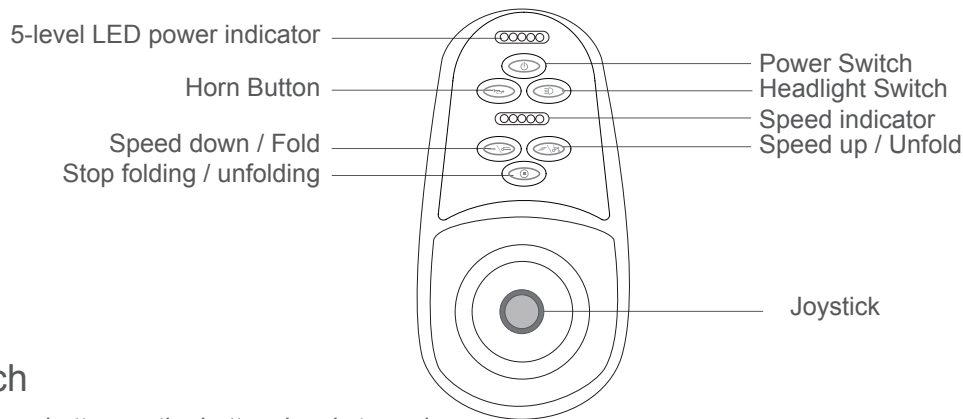
Please do not throw away the waste battery, so as not to pollute the environment. The waste lithium battery of the product is to be recycled by the enterprise or dealer, and the government designated outlets.

# Specifications

## Main Technical Parameters

Size	1076X620X987mm	Item weight	~29.6kg (without battery)
Folding size	842X620X420mm ( controller size not included )	Max. load	130kg
Rotation radius	1.2m	Frame	Aluminum alloy 6061
Standard max. speed	6Km/h	Climbing capacity	about 9°
Braking performance	≤1.5m	Slope capacity	about 9°
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
Battery weight	3kg		
Motor	Dual-drive brush motor with clutch pull rod. Power: 200W; voltage: 24V; revolving speed: 4000rpm		
Automatic folding function	a key to automatically contract and extend		

## 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.

Note: The power switch on the controller cannot be turned on when the wheelchair is completely folded. Please turn on the power on the battery box first, unfold the wheelchair, and turn on the power switch on the controller to be ready to drive.

### • 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.

### • Horn Button

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

### • Speed down / Fold

In the power-off state, press the button over 2 seconds, the H3T 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.

## • Speed up / Unfold

In the power-off state, press the button over 2 seconds, the H3T 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.

## • Stop folding / unfolding

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

## • 5-level LED power indicator

It shows the percentage of the remaining battery capacity.

Each LED light represents 20% of the battery capacity. The LED lights will be off one by one after consumed every 20% of the battery. For example, it means 40% battery consumed already when two LED lights are off. Better charge the battery when 2 or 3 LED lights are off to prolong the battery life. It is prohibited to drive the wheelchair when there is only one LED light on, otherwise, it will cause damage to the battery due to over-discharge. The accuracy of the power indicator will decrease after daily use.

## • Speed indicator

Press the speed up button, the LED lights of speed indicator will be on one by one.

Press the speed down button, the LED lights of speed indicator will be off one by one.

- Shutdown state: the circuit connection is complete, the power switch in the battery pack is turned on. But the on-off button in the control box isn't pressed and the indicator light isn't on.
- Standby state: press the on-off button in the control box, the indicator light will be on, but without any man-made operation.
- Riding state: press the on-off button in the control box, the indicator light will be on, and use the operating lever to make it move.



## How to use the controller

The controller controls H3T 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 H3T moves forward. More forward, the faster the speed. Release the rod to slow down and when fully released, the rod is reset and H3T stops and is in the braking state. Pull the rod backward, H3T 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 H3T stops and is in the braking state.

Similarly, turn the rod to left or right, H3T 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 H3T stops and is in the braking state.



### Forward:

Push the operational rocker forward and the H3T will move forward.



### Backward:

Pull the operational rocker backward and the H3T will move backward.



### Leftward:

Push the operational rocker leftward and the H3T will move to the left.

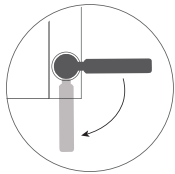


### Rightward:

Push the operational rocker rightward and the H3T will move to the right.

## Operate tie rod of clutch

Pull the tie rod to the open position, then the brake of H3T will not work, the wheelchair can be pushed by people (no matter the H3T is power on or power off, people can do it), when people pull the tie rod to the close position, nobody can push the H3T.



Electric mode

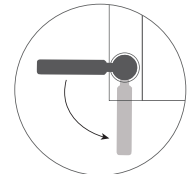
Hand mode



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.

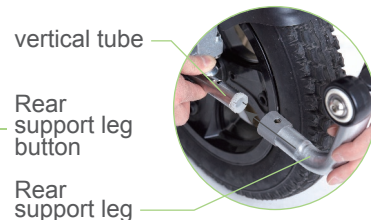


The clutch lever must be in electric mode, it means the H3T is braking, people can drive the H3T. To ensure the security of people and H3T, it is prohibited to use this function when the H3T uphill or downhill.

## Rear support leg (optional)



8-1



8-2



8-3



8-4

Install the legs:

Press down on the rear leg button and hold it (Figure 8-1), insert the leg into the riser (Figure 8-2), and release the rear leg button. When the rear leg hole is aligned with the vertical tube hole. Then the installation is completed. Disassembling the rear support leg: press down and hold the button and pull out the foot.

Note: When the rear support leg wheel is mounted downwards, it can be used as an anti-tip wheel (Picture 8-3); when the rear support leg wheel is mounted upwards (Picture 8-4), it can be used as a rear leg and a rear support. See the final use of the it (Picture 8-5).

# Safety

Please read User Manual carefully and follow riding requirements during the H3T 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 H3T.

## **Important Note:**

You need lots of practice to grasp the skill before you ride H3T 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. H3T 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 H3T should observe the same traffic rules that are applied to pedestrians. Please drive H3T 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 H3T, 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 H3T to accompany you to ensure your safety during first on-road operation.


5. Do not drive the H3T after you drink, are exhausted or are not consciously clear to guarantee your safety.
6. Please confirm that the operator of this H3T 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 H3T.
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 H3T 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 H3T is wet, it could only be used after being dried and confirmed for good condition.
- Do not drive the H3T 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 no drive the H3T 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. H3T is designed with only one seat not allowing for taking passengers.
2. H3T 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 H3T 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 H3T 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 H3T 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 H3T 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 H3T from moving forward. At this condition, release operational handle immediately.
12. Do not cross any gap wider than 10cm. Drive the H3T 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 H3T.
15. Do not lend your H3T 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 130KG).

 When you release the operation handle during driving and the handle has returned to the central position, but the H3T 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 H3T for over 48 hours, Please turn off the power switch.
2. When bring H3T 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 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 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).

## How to Drive this H3T:

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 H3T should move forward.  
Similarly, push or pull the rocker backward/leftward/rightward, the H3T 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 H3T is braking steadily.
6. Pay attention to surrounding conditions when moving backward. Slowly pull the rocker backward and the H3T will move backward.

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



## Handrail precautions



Handrail  
button



9-1



9-2



9-3

Normal use state



9-4

- Press and hold the armrest button (see Figure 9-1) while pulling the armrest up 90° (see Figure 9-2)

- Reset the armrest down and complete the fixing (see Figure 9-3), which is normal use state.

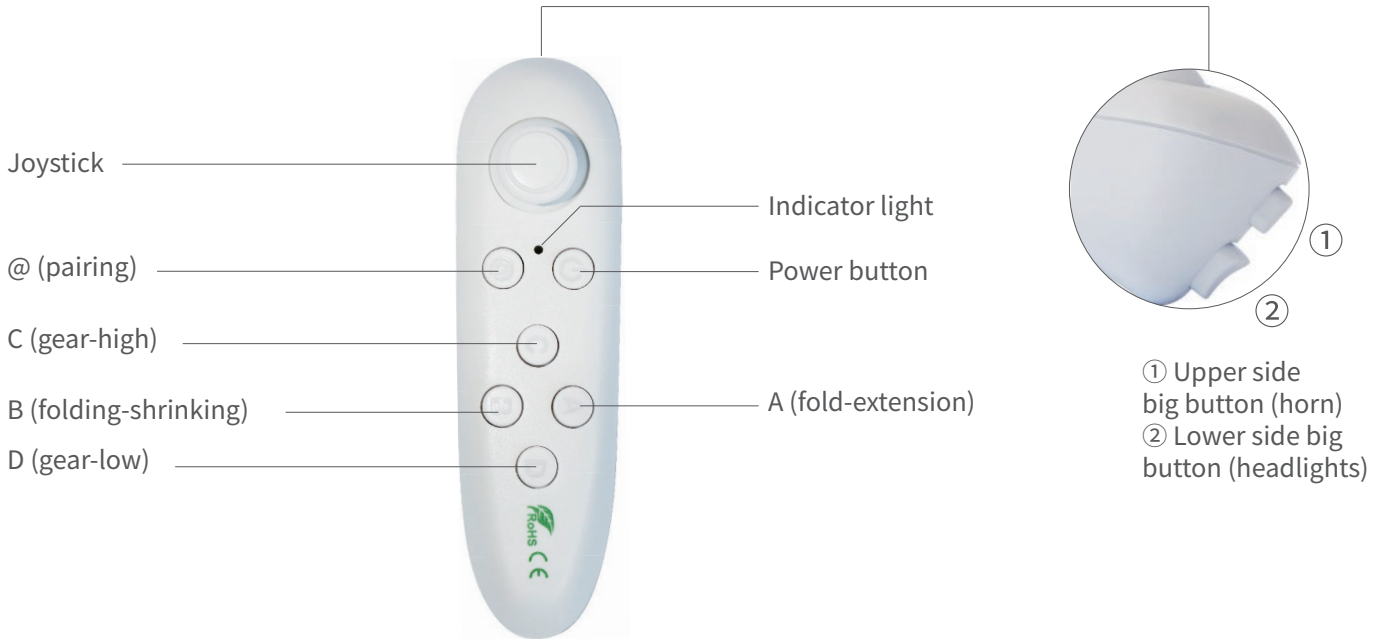
## Backpack (optional)



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



## Bluetooth 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;
- 2.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);

3. After the pairing is successful, the green light flashes quickly. After a few seconds, turn on the wheelchair and enter 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(optional)

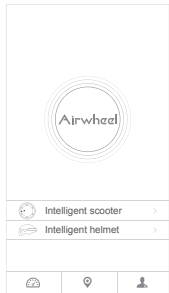


Scan QR code to download

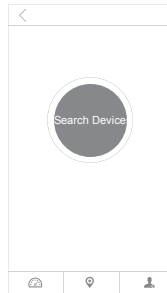
\*Applicable to Android 4.3 or higher, iOS 7.0 or higher.


### APP Instructions

1. Turn on H3T 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.



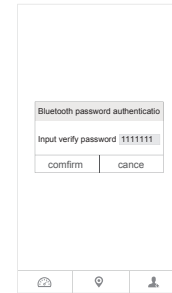
Click the Intelligent scooter in the App interface.



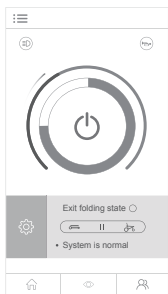
Click the search button or .



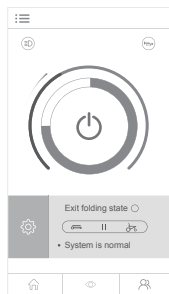
Search Airwheel nearby,click the searched Airwheel model to connect.



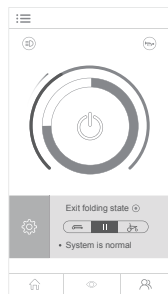
Input the verify password: 11111111 to connect.



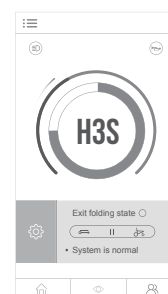
Power on and enter the home page



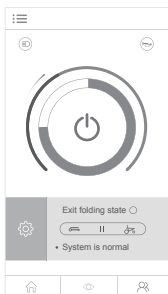
Click the headlight button to turn on the headlight. Click the buzzer button, buzz sound will be heard.



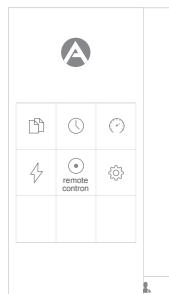
When H3T is powered off, click the contracting button and it will contract automatically. Click the extending button and it will automatically extend. Click the stop button, it will stop contracting or extending.



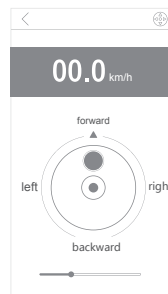
When the icon-H3T showing on the home page, it means it is ready to be ridden.



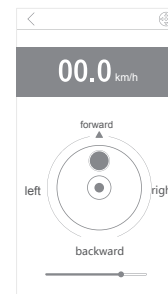
Click the main interface button to open the sidebar.



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.