

# **AIR HAWK**

## **MANUAL**

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# Description

**The EZ Fold Air Hawk Wheelchair is powered by two DC motors, that can be used indoor's and outdoor's. Air Hawk Wheelchair is designed to transport people that have a difficult time walking or unable to walk at all. Air Hawk Wheelchair was not designed for high level quadriplegics. Designed to be highly portable, light weight, foldable, easy to carry as well as safe & comfortable.**



## **Caution**

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### **User:**

Do not use, operate, fold or unfold the EZ Fold Air Hawk Wheelchair until you have read and understand this manual. If you are unable to understand this warning and instruction, please contact dealer for professional technical guidance and help. Using, operating folding or unfolding this Air Hawk Wheelchair without understanding this manual and how the EZ Fold Air Hawk Wheelchair functions may cause injury. Call your dealer with any questions regarding operating the EZ Fold Air Hawk Wheelchair or call (866) 868-9694 for personnel's guidance.

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### **Distributor, Professional Personnel:**

Do not operate fold or unfold Air Hawk Wheelchair until you have read and understand this manual. If you can't understand this warning and instruction, please contact the manufacturer for professional technical guidance and help. Using, operating folding or unfolding this Air Hawk Wheelchair without understanding this manual and how the EZ Fold Air Hawk Wheelchair functions may cause injury.

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## To The User

**Dear User:**

Thank you for choosing the EZ Fold Air Hawk Wheelchair, designed and manufactured by Nanjing Jin Bai He Inc. Built with the intention of making your life more flexible giving you the freedom of mobility.

Before operating your new Air Hawk Wheelchair the first time, please read this user manual carefully. This instruction manual will help you to understand how to fold, unfold, the the mode of operation and the appropriate maintenance of your new Air Hawk Wheelchair In the event you need further help and advice, or feel you are unable to operate your new Air Hawk Wheelchair please contact your dealer or manufacturer for guidance.

# Safety sign

The signs below will help to you identify warnings, mandatory operation and prohibitive operation of your new Air Hawk Wheelchair.

Identifying and understanding them completely is very important.



Read: Follow the guidance of this manual.



Safety Warning Sign: Danger, operation that may hurt you or others.



The second class (auxiliary) equipment



The main application part



Electromagnetic/RF Resistance: When using please don't use mobile phones, interphone, laptops or other radio transmitters.



Easy extrusion/grinding points



Avoid the rain, snow, ice, salt, and water, maintain in a clean, dry environment.



The product has passed the test of the electromagnetic/RF resistance to 20 V/M.



The battery contains corrosive chemicals.



Explosive



Don't use the battery with different capacity and models at the same time, don't mix up the old and new batteries when replacing, please change it entirely.



Keep tools and other metal objects far away from positive and negative Ends of battery, if exposed to the both ends, it can cause a short circuit and electric shock.



Flammable material, do not expose to flame or spark or heat source.



Disposal and recycling--

The right to recycle, the company manufacturer authorized will recycle and pack the products after receiving the user's requirements.

## Technical Specs

Folded Size	61cm*26cm*77cm
Unfold size	87cm*61cm*92cm
Largest Bearing	120 kg
<b>Motor</b>	
Type	Brushless DC Motor
Rated Power	180 W
Input Power	DC 24V
Number	2
Brake System	Intelligent Type Electromagnetic Brake
Braking Distance	1.5 m (59") At Highest Speed
<b>Battery</b>	
Type	Lithium Battery
Standard Capacity	6Ah Per Battery
Output Voltage	DC 24V
Number Of Batteries	Only One Battery Required
<b>Controller</b>	
Type/Plug Type	Assist Type/European Standard, 2 Core
Charger Input Power	AC 100-220 V, 50-60Hz
Output Voltage/Current	DC 24V, 2A
<b>Front Wheel</b>	
Outer Diameter/Tire Width	6" × 2"(150 mm x 38 mm)
Type	Solid Tire
Material	PU
Quantity	2 PCS
<b>Back Wheel</b>	
Outer Diameter/Tire Width	8" × 1.96"(200 mm x 50 mm)
Type	Solid Tire
Material	PU
Number	2 PCS
Self Weight	19 kg
Maximum Grade Ability	12
Running distance	16km-32km
Highest Speed	6 km/h (3.75 mph)
Turning Radius	800 mm (31.5")
Highest Barrier Height	30 mm (1.20")

## Electromagnetic Interference Information



Electromagnetic interference may have some impact on the electric Air Hawk Wheelchair, reading and understanding this is very important.

This chapter will explain the problems caused by the electromagnetic interference, in order to help the users to understand and take corresponding protective measures to avoid or minimize the risk. Some content is about the accidents involved in some particular environment or conditions.

### **Electromagnetic Interference From Radio Waves**

Electric Air Hawk Wheelchair is susceptible to electromagnetic interference, the electromagnetic energy usually is emitted from radio, television, radio transmitters, two-way radios, and mobile devices. This electromagnetic interference may cause the brakes out of control, and move itself losing control; also it could cause the control system of electric Air Hawk Wheelchair permanent damage. So the ability of one product to resist electromagnetic interference is particularly important. Our electric Air Hawk Wheelchair has passed the resistance strength of 20 V/m electromagnetic interference test, it has high anti-interference ability, and can resist some common radiation electromagnetic interference in the daily life.



**1. Although this electric Air Hawk Wheelchair with anti-interference ability, the users still should abide by the following rules when using:** when power supply is connected, do not operate the radio such as transmitter, a receiver, citizens band (CB), or turn on the personal communication devices such as mobile phone, etc.

2. Try to avoid closing to the radio source, such as radio, television, etc.

3. If in the event of uncontrolled movement or stop, the user should turn off the power supply immediately, and then contact the manufacturer. Do not change any parts of this electric Air Hawk Wheelchair, including increase or decrease any accessories, in case of reducing its anti-jamming ability.

# Safety Guidelines

## User



### Caution



Before using this electric Air Hawk Wheelchair, you should keep tools and other metal objects from the positive or negative of the battery, if exposed to both ends, it will cause a short circuit and electric shock.

1. Health care workers should have training and professional guidance of using this product.
2. Before you use this Air Hawk Wheelchair, you should understand its operation and function thoroughly.
3. Always practice operating with the help of competent individual prior to use, such as turning, surmounting obstacles, braking, until you are independently skilled in performing these operations.
4. Do not attempt to travel any place you are not 100% sure it is safe.
5. Know the area that you are about to travel, check whether there is danger or not, and be sure to avoid any danger such as driving near a ledge or stairway.

## Caregiver



### Caution

1. You need to cooperate with user, and listen to the opinions of user's doctors, nurses, or physical therapists, and make a plan which is most suitable for user's ability.
2. When pushing the Air Hawk Wheelchair manually by hand, you must shut the electromagnetic brake switch, so that ensure the Air Hawk Wheelchair in the manual (neutral) state.
3. When pushing this electric Air Hawk Wheelchair, you must use the push handle in the back of the backrest. It can provide a safe and reliable force point to prevent the Air Hawk Wheelchair overturning when you apply force.
4. Check the push handle, ensure the push handle is locked and will not rotate or slide.
  - 4.1 To prevent injuring the user's back, you should ensure the user is in correct status which is accorded with human body dynamics. When you lift or support the user or the tilt electric Air Hawk Wheelchair, you can bend your knees a little, keep your back vertical.
  - 4.2 Before every movement, make user aware of what you intend to do prior to doing it, and explain the reasons, as well as what you would like the user to do at the same time. This will allow the user to prepare for what you are about to do and reduce the risk of accidental injury.
  - 4.3 Never transport up or down a stairway or steps while occupying the Air Hawk Wheelchair.

4.4 In the event you must tilt the Air Hawk Wheelchair while occupied, remind the user to brace themselves and sit back.

### Using Joystick



Caution: You may need to adjust the electric Air Hawk Wheelchair controller Settings (pictured), in order to reduce the risk of collision, drop or fall.

1. Check and adjust the Settings every six months. (If necessary, you can often check and adjust)

2. If you find any setting that has changed some functions, please contact the supplier.

- Control joystick
- Keep your body upright
- Avoid hit the object in the operation



### Using Air Hawk Wheelchair In Stationary State



1. When you stop using your Air Hawk Wheelchair, even for a short period time, be sure to shut the power is off (right). This will prevent:

- You or others from mistakenly touching the joystick causing unexpected movement.
- Affect by the unexpected source of electromagnetic interference, which will influence the normal use of electric Air Hawk Wheelchair.

2. Please ensure that others, (For example, friends & assistants) all know joystick, can not be touched.



### Operating Environment

 **Caution**

This Air Hawk Wheelchair is not suitable for use in heavy rain, snow or icy conditions.

1. Contact with water or excessive moisture can cause electrical failure. Frame, motor and other electric Air Hawk Wheelchair parts are not waterproof, it may rust or cause corrosion from the inside.

**In order to prevent the malfunction, the following operations are strictly prohibited.**

- Try to avoid the direct contact by water (such as heavy rain)
  - Please don't use this kind of electric Air Hawk Wheelchair in the bath, sauna and swimming.
  - Please don't use the electric Air Hawk Wheelchair near in the water (such as rivers, lakes or ocean).
  - Please make sure that the battery cover is closed
  - If the joystick is broken, please replace
  - Make sure that all the electrical connections remain secure.
  - Rinsing the electric Air Hawk Wheelchair is prohibited. If Air Hawk Wheelchair mistakenly gets wet, please take out the battery as soon as possible and try to dry the Air Hawk Wheelchair, allow to dry for several days then attempt to use again. Be sure Air Hawk Wheelchair is operating normally prior to using again.
2. Do not operate on wet or slippery surfaces.
- You must make sure that all surfaces you intend to travel on is safe to do so.
  - If one or both drive wheels lose traction, you must stop immediately, to prevent losing control.
  - If there is snow, ice, water or oil on the slopes of a ramp , Stop, do not continue
  - When you have doubts that cannot insure it is safe, Stop, do not continue.
3. Please turn off the power supply when not using, and put in dry, clean space.



 **Caution**

1. The electric Air Hawk Wheelchair is only suitable for concrete, asphalt and indoor floor surface.
2. Do not attempt to use in the sand, or coarse dirt rugged terrain, as this is dangerous and will cause

damage to wheels, bearings, shaft or motor parts.

## Road Driving



**In most countries and regions, power Air Hawk Wheelchair on public roads is illegal.**

The user must realize that an electric Air Hawk Wheelchair on the road or in a parking lot is dangerous.

1. For easy recognition at night, you may want to place reflective tape seen in (figure A3). The user also can want to wear reflective clothing.



A3

2. When confronted with other vehicles, please ensure that the driver has noticed you. Before you continue, make eye contact with the driver, and let the driver know your intention to insure that it is safe.

## The Motorized Vehicle Safety Air Hawk Wheelchair halted state



1. Do not occupy the Air Hawk Wheelchair when transporting in a private vehicle or public transportation such as a bus, subway, trains, planes or ships.

## Balance of driving



## Caution

**When driving, the electric Air Hawk Wheelchair it should be kept in balance and stable with the center of gravity, in order to avoid being tipped over.**

The factors that influence the balance and the center of gravity.

1. The height and angle of the seat.
2. The position and posture of the user's, or the change of weight distribution.
3. The rate of incline, ramp or slope gradient.
4. Using a backpack or other items to change the total weight of the Air Hawk Wheelchair and weight distribution.
5. If you need to modify or adjust the electric Air Hawk Wheelchair, please consult your supplier in advance, and must have the authorization by the manufacture. The modified Air Hawk Wheelchair may need to be adjusted to correct the focus. Using a modified Air Hawk Wheelchair, should be more than particularly cautious until you are familiar with the balance of electric Air Hawk Wheelchair.

### Transporting Up Or Down a Stairway or Steps



## Caution

The Air Hawk Wheelchair must be unoccupied when transporting up or down a stairway.

#### **Avoid falling:**

When you are ready to seat in the electric Air Hawk Wheelchair, you must turn off the power supply. Otherwise, if you touch the joystick, it may lead to the unexpected movement of electric Air Hawk Wheelchair.

Ensure that the motor is locked, and the Air Hawk Wheelchair won't move on its own.

Learn the safest way of moving your body from your professionals healthcare workers

Know how to locate your body, and how to support yourself in the process of getting on and off the Air Hawk Wheelchair.

Let others help you, until you are sure that you can do it on your own.

1. Move your electric Air Hawk Wheelchair as close as possible to you prior to transfer.
2. Rotate the front wheels pointing them forward.
3. Be careful of the footplate. Fold up as far as possible (as shown in figureB1)



**B2**

- Don't stand on the footplate, it is dangerous and will damage the Air Hawk Wheelchair.
- Ensure your feet are placed in a solid position.



4. Ensure that you have eliminated all obstructions and interference. ( B2 )

## **Balance**



**Stretching out your arm or leg and or tilting your body will affect the center of gravity and your balance causing you and or the Air Hawk Wheelchair to fall or tip over. The following offers several points is to reduce the risk of injury to you or damage to the electric Air Hawk Wheelchair.**

- 1. If you must change your body's center of gravity, including raise the body or lifting yourself from the seat.**
- 2. If you have to move forward on your seat, do not tilt forward or side to side too much (as shown in figure C1), you need to keep your back in line with your hips.**
- 3. Do not use your hands to support yourself with distant objects.**
- 4. Do not attempt pick up items off the ground.(as shown in figure C2)**
- 5. When you extend your body, do not exert pressure on a single point of the Air Hawk Wheelchair, this could cause the Air Hawk Wheelchair overturn or tip causing serious injury.**
- 6. Do not lean on the top of the backrest, this could cause the Air Hawk Wheelchair overturn or tip causing serious injury.**
- 7. If you do extend yourself or tilt, you are doing so at your own risk.**

**C1**



**C2**



Air Hawk Wheelchair will be more stable.

**Attention:** when executing this operation, the range that you move has exceed your target, you need to stop and close this gap, remember to rotate front casters forward.

3. Turn off the power of the Air Hawk Wheelchair prior to attempting to lift object.

### **Dressing In The Air Hawk Wheelchair**



### **Caution**

You should never attempt dressing while occupying the Air Hawk Wheelchair.

### **Obstacles**



### **Caution**

You need to overcome some obstacles in everyday use of a Air Hawk Wheelchair. Including thresholds, elevators, ramps, pits, broken pavement etc.

1. Attention, thresholds can be very dangerous. Even a small height change may cause a imbalance. Always attempt to approach a threshold straight causing both front casters to make contact with the threshold at the same time. Consider the use of a threshold ramp.
2. When you move the electric Air Hawk Wheelchair, please look at the area carefully where you are about to travel to be sure it is safe.
3. Be sure you can pass through obstacles smoothly and safely.

## Reverse



### Caution

When you drive the electric Air Hawk Wheelchair in reverse, you need to be more careful. If the rear wheel were to hit an object, you could lose control.

1. When driving in reverse, you should slow down.
2. Stop and check frequently, ensure that there isn't any dangerous obstacle in the area you are about to travel.

## Inclines



### Caution

Be aware when on a slope or an incline, the center of gravity changes.

**Attention:** "slope" or "incline" may be a ramp or hillside. If you are not sure the safety when using the Air Hawk Wheelchair in any given conditions stop do not continue.

### Attention:

1. When the incline is greater than 10°, stop do not continue.
2. When on the slippery slope (such as snow, ice, water or oil), stop do not continue..
3. When the terrain appears to be uneven stop do not continue..
4. If the bottom of the incline has an unstable surface like sand or ice stop do not continue.

## Capacity



### Caution

1. The maximum load of this electric Air Hawk Wheelchair is 120 kg (264 pounds), when using it the Air Hawk Wheelchair never exceed maximum load capacity.
2. The backrest's load is less than 75 kg (153 pounds) do not exceed this level of pressure on the back of the chair.
3. Never do any weight lifting in this Air Hawk Wheelchair, even if the total weight of the user and the total weight of the fitness weights does not exceed the weight capacity of the Air Hawk Wheelchair.

4. In the event you exceed the weight capacity it could very well damage the seat, frame, fasteners, folding, motors etc. Even may cause severe harm to the user and or others.
5. Exceeding the weight capacity voids all warranty.

### **Steps & Stairway**



Air Hawk Wheelchair is not suitable for travel, up and down steps or stairways, or on escalators. Pay attention to the following **cautions** when using a elevator.

A elevator can be used when sitting still not moving. Do not activate the Air Hawk Wheelchair until the elevator has stopped and the elevator door opened.

1. When the elevator is not available, if the electric Air Hawk Wheelchair is carried to the required place, need to expand, please refer to "shipping" section.

#### **·Stair**

Want to move the electric Air Hawk Wheelchair between floors by stairs, you should be in accordance with following specification to operate.

1. Move the user out of the Air Hawk Wheelchair.
2. Fold the Air Hawk Wheelchair. Refer to "shipping" section.

## **Installation Instruction**

### **Safety Belt & Installation**



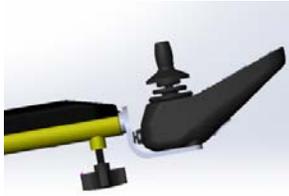
The safety belt is used to support the user's body and prevent the user from sliding out of the seat. However it cannot protect you in a automotive accident.

The safety belt can be adjusted according to the user's comfort.

The safety belt is used to support the user, to prevent the user sliding forward.

#### **Installation of the safety belt:**

1. The user needs to ensure that the safety belt has bound the waist and the bottom part of Air Hawk Wheelchair backrest together.
2. Adjust the safety belt according to the user's comfort.
  - 2.1 After sitting down, please insert the plastic card to the other side of the plastic shell, until you



hear a clicking sound (it locks).

2.2 Adjust the plastic safety belt to the appropriate length, do not over tighten which will cause discomfort.

Unfasten the safety belt:

Press the button of the plastic shell side, pull out the plastic card.



Before each use, ensure that the safety belt is fixed in the electric Air Hawk Wheelchair correctly and properly, and adjust to the most comfortable state of the user.

Before each use, check whether the safety belt is loose or damaged. If you find there is a problem, Please contact supplier to maintain and repair.

### **Joystick installation instruction**

The control joystick can be installed on the left or the right arm according to the users requirement.

1. As shown in figure D1, insert the joystick to the armrest tube hole, and make sure it has been inserted in the right place, and then fixed the joystick by knob lock.
2. As shown in figure of D2, aim at the socket, and insert the four-core plug into the left socket.

The control joystick controls the Air Hawk Wheelchair. It consists of the following sections:

1. Switch on button:  
Press this button, turn on and turn off the power of the electric Air Hawk Wheelchair.
2. Speed up button:           D1  
Press this button and speed up. The max speed is 6 km/h (3.75 miles per hour)
3. Slow down button:       D2  
Press this button, reduce the speed.
4. Horn button:  
Press this button, the horn will sound.
5. Battery power indication light:  
Show the life of the charge on the battery.

6. Joystick:

The joystick controls the direction and speed of the Air Hawk Wheelchair; push the joystick to the direction you want to go.

7. Light Button:

Not used.

8. Speed Settings & Diagnostic Light:

When the light is on, it means the system is ok, there are 10 lights in total indicating the speed level.

**Light flickers intermittently to provide diagnostic information. Please refer to the following table:**

There are some diagnosis functions, the diagnosis codes showed can reflect the property of problems.

<b>Diagnostic code</b>	<b>Diagnosis Description</b>	<b>Recommended solving methods</b>
Flicker one time slowly	Hall malfunction of left motor	Check the of connection of the left motor or check the internal hall component
Flicker two times slowly	Hall malfunction of right motor	Check the connection of the right motor or check the internal hall component
Flicker three times slowly	Malfunction of battery or charger	Try to charge. Maybe need to replace the battery or the charger. Check if the battery or power wire is loose.
Flicker four times slowly	malfunction of left motor	Check the left motor, connection device and power wire is loose or not.
Flicker five times slowly	malfunction of right motor	Check the right motor, connection device and power wire is loose or not.
Flicker six times slowly	malfunction of left brake	Check the left brake, connection device and power wire is loose or not.
Flicker seven times slowly	malfunction of right brake	Check the right brake, connection device and power wire is loose or not.
Flicker eight times slowly	Malfunction of controller	Please contact the manufacturer
Flicker nine times slowly	Communication error	Check the electrical coupler, connection and circuit is loose or not.

Flicker four times quickly	Over current of left motor	Releasing the rocker can eliminate the malfunction.
Flicker five times quickly	Over current of right motor	Releasing the rocker can eliminate the malfunction.

### Use The Joystick To Drive The Air Hawk



When at high speed, do not turn sharply.

If the users don't observe this warning, it may cause the Air Hawk Wheelchair to tilt, and may cause damage or injury to the user.

The joystick, which is in the back of the control panel, can control the speed and direction smoothly. It is equipped with 360 - degree mobility and is easy to operate. There is spring in the joystick, so it can return to the center of the initial state automatically casing it to stop or brake automatically.

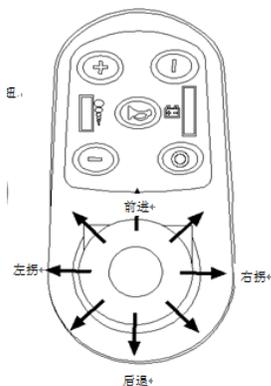
Push the joystick to the direction you want to go, Joystick has proportional control ability to drive, the greater range, the faster speed. The fastest speed is limited to 6 km/h (3.75 miles per hour).

If you want to slow down, just release the joystick. The Air Hawk Wheelchair will automatically slow down and correct direction in the minimum range.

When first using this Air Hawk Wheelchair, you should choose a slow speed to try, push the joystick forward slightly. This exercise will help you to learn how to control the Air Hawk Wheelchair allowing you to become familiar with how to control it through the joystick.

#### Driving The Air Hawk Wheelchair:

1. Adjust the control panel to the appropriate settings.
2. Turn on the power supply. Please refer to the previous section on "press the power on/off button".
3. Move the joystick as followings:



Movement	Operate the joystick
Forward	Move the joystick forward
Backward	Move the joystick backward
Right	Move the joystick to the right
Left	Move the joystick to the left
Stop	Release the joystick (Air Hawk Wheelchair will slow down & stop)

## Using The Horn

Press the horn button above the control panel to get individuals attention.

## Brake Instruction



Test brake after any adjustment, repair or maintenance before using, please make sure all additional parts are screwed tightly, ignoring this warning could cause injury or damage.

Please do not open or close the electromagnetic brake when the power is on..

Through the operation of the joystick to open the electromagnetic brake (Refers to the electromagnetic brake, lock the free rolling of the wheels) or close (Refers to the electromagnetic brake is released, the wheels are free to roll), The Air Hawk Wheelchair can be pushed manually when in free wheel and power is off.

### Close & Open The Electromagnetic Brake

Find the motor electromagnetic brake lever and do



the following:

Open the electromagnetic brake (lock position) : by pushing forward or away from you on the electromagnetic brake lever.

**open**

Close the electromagnetic brake (free wheel) : pull toward you will close the electromagnetic brake lever.

**close**

Electromagnetic  
brake lever

## Battery instruction



Do not use the batteries with different capacity, different brands and different types. Replace the battery completely; do not mix old and new batteries.



Metal or conductive materials can not be used to connect the positive and negative of the battery, if the connection leads are short circuited, it will cause an electric shock as well as damage to the Air Hawk Wheelchair.



Do not store near flammable materials. Do not expose to excessive heat or fires or sparks, etc. Do not store or transport the battery with flammable or combustible materials.



There are some corrosive chemicals in battery box,  
Disassembling of the battery is strictly prohibited.



Do not short circuit battery or throw battery into the fire to avoid explosion. Dispose of bad battery through all legal sources.



### Caution

1. Do not use pliers, wire or any metal item to connect the ends of battery directly.
2. Do not use electric Air Hawk Wheelchair when it is charging.
3. Do not use non-standard power supply.
4. Do not bend or pull the power wire, especially near plug To prevent the power wire from being damaged.
5. Keep the children and pets far away from the power wire, don't let them bite and chew on it.

6. If the circuit breaker is tripped many times during charging, please unplug chargers immediately and contact the dealer or professional technical personnel.
7. In this guide, all the warranty and performance, ect are referring to lithium batteries.
8. Do not smoke or provide any flame ignition source near the battery.
9. It is forbidden to use battery in extreme heated environment or extreme cold environment.

 **Caution**

1. When first using the new battery, it must be fully charged (about 24 hours), be sure battery is fully charged.
2. Before charging after batteries first use, Drain battery down using all of its initial charge prior to charging the battery after its first use. Charging the battery prematurely will reduce the life of the battery.
3. Before using, the user should check the power supply, when the power is insufficient it will effect charging time. After the first use, the charging time should be about 6 to 8 hours continue to charge until the light on the charger turns from red to green.
4. The recommended charging time is about 6 to 8 hours.
5. Charge the battery often, as long as the battery is being used. If you do not use the Air Hawk Wheelchair for a long period of time (four weeks), please recharge it every four weeks. Leaving the battery to sit for longer period of time will damage the battery.
6. If you use the battery with incorrect specification, voltage and capacity, it will damage your Air Hawk Wheelchair, and the Air Hawk Wheelchair will not perform as stated in this manual.

**Install/Remove Battery**

 **Caution**

Please make sure that the Air Hawk Wheelchair power has been shut off before performing this action.

**Taking out the battery:**

Remove the red power plug (As shown in figure F1), then pull the battery handle (As shown in figure F2). Pull the battery from the battery tube.



**F1**



**F2**

### Installing The Battery:

Hold the battery handle and insert it into the left side then insert the red power



to the battery sleeve of the right or left battery sleeve.

**G1**

1. Use available standard alternating current (AC 110-220 V, 50-60 Hz) for charging, the charging port is in front of the joystick above.
2. Make sure that the power is off before charging.
3. Insert the round (xlr) charging plug of the charger into the charging port in front of the joystick. (shown in figure G1)
4. Insert the other side of the charger into wall socket. If the red indicator light is on, this indicates it is charging.
5. Once the charger indicator light turns from red to green you have a full charge. Unplug the external wall plug first, then unplug the (xlr) plug from the joystick.
6. It is forbidden to use the battery in extreme heat or extreme cold.

When the charge on the battery of the Air Hawk Wheelchair has been used or drained, the over discharge protection will shut the battery off to protect against excessive discharge. Users should pay attention to, when the over discharge protection device is activated, the maximum speed will be considerably reduced.

The electric Air Hawk Wheelchair is also equipped with a over-current or (excessive current). If the

current provided to the motor is excessive the electronic fuse will close the current.

If encountered with some malfunction when driving, the over-current protection device will be started, the driving wheels will stop rotating. In this process, the fuse will cut off the current, prevent the motor being damaged by overheating. (See the control panel section)

### **Clean Battery Socket**



### **Caution**

1. Check whether the battery case and the positive and negative of the battery is corroded or not.
2. Check whether the plastic battery box has been assembled completely.
3. Use battery cleaning tools, medium sandpaper to clean battery port.

**Attention:** after finish cleaning, the above parts should be light and dry.

4. Clean up all the dust of the metal particles carefully.
5. Don't touch the battery materials with the skin, clothing or other property. Battery has acidic material, and may lead to harmful burns. In the event it makes contact with skin. immediately wash your skin thoroughly with cold water. In the event acidic material makes contact with your eyes seek medical attention immediately.

## Folding/Unfolding



The weight of the Air Hawk Wheelchair (without battery) is 18 KGS (41 lb),

### Folding Instructions:

1. Shut off the power
2. Remove joystick controller from armrest.
3. Rotate both armrest backwards.
4. Pull steel locking release wire in the back under the backrest.
5. Then begin folding be sure front casters are in the correct position to continue folding.
6. Apply added pressure when in the final stage of folding and frame will lock into position.  
~~This process, please refer to the below.~~
7. The Air Hawk Wheelchair is now completed folded.

### Folding Photos



### Unfolding Photos



### **Unfolding Instructions:**

1. Unfold backrest you will hear it lock in place.
2. Begin to apply force to unfold the Air Hawk Wheelchair. Initially it will require slightly more force and then you will feel it let go.
3. Continue unfolding once it is primarily unfolded, locate and pull steel locking release wire in the back under the backrest then complete unfolding and release the locking release wire.
4. Unfold the footrest.
5. Fold both armrest back into driving position.
6. Attach the joystick controller using the hand nut.
7. The Air Hawk Wheelchair is unfolded and proving the battery is in the battery sleeve and plugged in you now only need to turn the Air Hawk Wheelchair on to operate it.

## Trouble Shooting

The Air Hawk Wheelchair is equipped with a intelligent diagnostic joystick indicator on the control panel. When the light is solid green this indicates the Air Hawk Wheelchair has no problems and is ready to go. When there is something wrong or something needs to be corrected will report by blinking.

If the indicator light is blinking there is something that may require your attention or need repair. The user should turn the power off and then open it again.

If after turning on again, the blinking light continues, please refer to the diagnosis information, it can help you find the possible problems and corresponding solutions.

If the above methods are of no help, please contact your dealer.

### ※ The diagnosis system

#### 1. Introduction

When maintenance LED light blinks, it means that there is something wrong with the Air Hawk Wheelchair. And the alarm may generate from motor, brake, battery, wire connection, or the Air Hawk Wheelchair itself. The property of the problems can be classified according to the diagnosis code. According to the times the LED light blinks between pauses then blinks a specific number of times again repeatedly. The number of blinks are the diagnosis code. For example, the LED light blinks four times pauses, and blinks four times again, this indicates that there is something wrong with the left motor. If it blinks five times, it means there is something wrong with the right motor. (see diagnosis)

## 2. Flashing code

<b>Diagnostic code</b>	<b>Diagnosis Description</b>	<b>Recommended solving methods</b>
Blinking one time slowly	Hall malfunction of left motor	Check the connection of the left motor or check the internal hall component
Blinking two times slowly	Hall malfunction of right motor	Check the connection of the right motor or check the internal hall component
Blinking three times slowly	Malfunction of battery or charger	Try to charge. Maybe need to replace the battery or the charger. Check if the battery or power wire is loose.
Blinking four times slowly	malfunction of left motor	Check the left motor, connection device and power wire is loose or not.
Blinking five times slowly	malfunction of right motor	Check the right motor, connection device and power wire is loose or not.
Blinking six times slowly	malfunction of left brake	Check the left brake, connection device and power wire is loose or not.
Blinking seven times slowly	malfunction of right brake	Check the right brake, connection device and power wire is loose or not.
Blinking eight times slowly	Malfunction of controller	Please contact the manufacturer
Blinking nine times slowly	Communication error	Check the electrical coupler, connection and circuit is loose or not.

Blinking four times quickly	Over current of left motor	Releasing the rocker can eliminate the malfunction.
Blinking five times quickly	Over current of right motor	Releasing the rocker can eliminate the malfunction.

## Warranty Instructions

### Scope Of Warranty

The warranty instruction:

Guarantee Item	Guarantee period for free	Remark
Main frame	Two years	Malfunction caused by improper use, man-made destruction or secret conversion, there is no guarantee, or we need charge the maintenance fee.
Motor wheel	The warranty of reducer and PU tires is one year, others	Excess load lead to motor overload or opened without permission lead to damage, no guarantee.
Battery	9-months	Recharge in wrong way, and disconnect the battery without permission cause damage, no guarantee. The company is not responsible for an accident.
Controller	One year	Malfunction caused by improper use, man-made destruction or secret conversion, there is no guarantee, or we need charge the maintenance fee.
Joystick	One year	Malfunction caused by improper use, man-made destruction or secret conversion, there is no guarantee, or we need charge the maintenance fee.

**The scope of the no guarantee:**

1. No guarantee:

- a) Back cushion, seat cushion, armrest foam cotton, backrest foam cotton, decorating parts are damaged after use.
  - b) Damage caused by mal-operation, accident, abuse, improper installation and repair.
  - c) Damage caused by refitting the product without the written consent of the manufacturer
  - d) Damage caused by the load capacity exceeding.
2. If the serial number of the electric Air Hawk Wheelchair is not the original serial number, having been modified or not match with the serial number of the guarantee card, or the serial number of the guarantee card has been revised, no guarantee.
3. This warranty card is non-transferable and only for the use of Air Hawk Wheelchair buyers.

Within the permissible scope of the law, this warranty will take the place of any other warranty guarantee (e.g. written or oral, express or implied warranty including merchantability or suitability for a purpose).

## Warranty Registration Card

The warranty card must be handed over to the after-sales department of the manufacturer in 15 days after returned to the dealer.

The user name		ID number	
Address		Contact number	
Model		Product number	
Purchasing date		Month	Day      Year
Manufacturer			
Supplier (Stamp or signature)			
Supplier phone( address)			

1. The guarantee statement:

The supply dealer should confirm the problems of Air Hawk Wheelchair first. Under the condition of using incorrect

way, if it is the quality problem, the dealer need to fix or change the parts.

2. No guarantee:

- 1) Incorrect operation and maintenance
- 2) Using incompatible replacement part
- 3) Accident or misuse caused by mechanical damage
- 4) Consumable items are not in the warranty scope, such as tire, bearing, bulb, etc.
- 5) Any unauthorized conversion

