

# **Intelligent Fall Prevention Airbag User Manual**

**V 2.0 ---- Clothes**

**Suzhou Yidaibao Intelligent Technology CO,.Ltd**

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## Quick Start

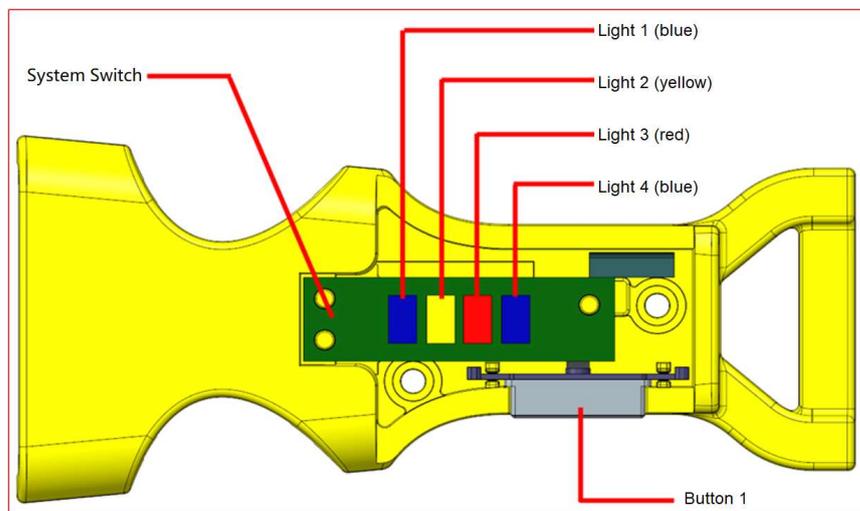
Intelligent fall prevention airbag is equipped with a rechargeable battery. Please fully charge the battery before using it for the first time. The charging process takes about 6 to 7 hours.

Wear intelligent fall prevention airbag-clothes: intelligent fall prevention airbag-clothes need to be worn on the outermost layer, and wear them in the same way as ordinary clothes (note: the directionality of the front and back of the clothes & inside and outside, do not wear reverse); and buckle/ Tighten the belt to fix the lock buckle (Note: if it is not worn tightly, it will seriously affect the protective effect or even fail to protect it), then plug in the LED lock buckle, the 2 blue indicator lights normally light up for 2 seconds after the intelligent fall prevention airbag -The clothes can start to work normally.

Take off the Intelligent fall prevention airbag: please open the LED lock first, after the LED indicator flashes and goes out, the whole set of security chip stops working, and then take off the clothes according to the normal steps.



### LED lock (located at the LED module) indicator light description



System switch: Built-in LED lock:

1. Plug in the LED lock and the electric control system starts self-checking:
  - a. If everything is normal, lights 1, 4 (all blue) will light up at the same time for 2 seconds, and the intelligent fall prevention airbag electronic control system will start to work;
  - b. If the battery is low, light 2 (yellow) will last for 2 seconds / Times the frequency flashes, you need to connect the charger to start charging;  
During the charging process, lights 1, 4 (all blue) flash at a frequency of 3 seconds/time until the battery is full;
  - c. If the internal electronic control system is faulty, lights 1, 2, 3, and 4 flash for 0.5 seconds at the same time / Times the frequency flashes until the battery is exhausted;
  
2. Release the LED lock: lights 1, 2, 3, 4 flash 5 times at a frequency of 0.5 seconds/time; then the electronic control system stops working;

**Button 1:** Press this button, and the LED light will display as "1-a" above;

Note: When LED light 2 (yellow) starts to flash in the way of "1-b" above, please charge it as soon as possible to avoid affecting normal use.

## **Brief Introduction of Intelligent Fall Prevention Airbag Function**

Intelligent fall prevention airbag — clothes are brand-new revolutionary products.

This product is equipped with an airbag. If you are about to fall, it can quickly inflate and eject the airbag to protect your hips. By cushioning the impact force of falling and falling, the probability of hip fracture is reduced or the impact force Possible damage to the body.

Its principle is to record and analyze your real-time movement posture through the built-in sensor and microprocessor, determine whether you are in the process of falling, and judge whether to eject the airbag according to this.

## **Related Parameters**

Equipment Type : Intelligent fall prevention airbag

Pre-installed modules, Airbag module, gyro sensor, gas generator, micro-processing module, LED module, etc.

APP compatible devices

The system is Android 8.0 and above / IOS 11.1 and above, and has a smartphone with Bluetooth

4.0. (Note: The Intelligent Fall Prevention airbag itself does not have a call function)

App pre-installed function promptly push the wearer's fall information (time & location), check the amount of exercise, monitor the range of activities, etc. (before using this function, make sure that the mobile phone App and the product are in a successful Bluetooth connection);

Suitable working ambient temperature: -10 °C ~ + 45 °C

Other parameters :

Design main indicator: red, yellow, blue

Product material: See washing label for details

Product Size

MEN							
Size	C/B Length	Chest C	Shoulders	Waist w	Bottom	Raglan sleeve	C/F Length
S	73.5	109	45.8	109	109	76	71
M	76.5	116	49.4	116	116	77	74
L	78.5	126	54.5	126	126	79	76
XL	83.5	132	57.6	132	132	80	81
2XL	86.5	138	60.7	138	138	81	84
3XL	88.5	144	63.8	144	144	83	86

WOMEN							
Size	C/B Length	Chest C	Shoulders	Waist w	Bottom	Raglan sleeve	C/F Length
S	65	108	45.76	96	110	59	67
M	67	113	47.74	101	116	60	69
L	69	118	49.74	107	122	61	71
XL	71	123	51.74	112	128	62	73
2XL	73	128	53.76	117	135	63	75

( Manual measurement may have a deviation of about 5% )

Product color : Iliad Blue

Standard duration: when the battery is fully charged and continuously worn, it can be used continuously for 20 to 30 hours (depending on the specific use, there will be some incompatibility)

Battery capacity: 900mAh; battery type: lithium polymer

Charging voltage: DC4.2V; Nominal voltage: 3.7V

Standard charging current: 180 mA, Standard charging time: about 6 -7hours

Battery life: standard charge and discharge cycles 300 times Packaging accessories

Intelligent Fall Prevention airbag x1, charger x1 ,user manual x1, Three Guarantees of certificate x1

## **Product Exceptions Handling**

When the Intelligent Fall Prevention airbag is properly worn and connected to the power supply, the product will automatically perform an internal inspection test to check whether all circuit components are working properly. If there is any failure, your Intelligent Fall Prevention airbag will warn you with a clear indicator light, and your LED light will continue to flash rapidly in the manner of "LED lock indicator description-1-c" as above until your Intelligent Fall Prevention airbag is automatically closed when it is dropped. If your Intelligent Fall Prevention airbag has the above situation, please contact our customer service department in time.

## **Product Maintenance**

- The airbag module and the clothes body can be disassembled;
- The clothes body can be washed normally;
- Please charging the battery periodically. If no service or recharge operation has been conducted after 500 hours or 1 years of functioning from the last use, there is the possibility that the Product will not work properly.
- Do not leave the Product unattended while charging the battery.  
Charge only in a dry location with a temperature range of 0°C ~ +40°C.
- The airbag module (including electrical parts, gas generator, airbag, etc.) Please store it in a dry, dark place after cleaning the surface of the Product with a soft, damp cloth. The Product's storage temperature must between -20°C ~ +60°C. Exposure to a temperature over the range may cause permanent damages to the Product. If you find that the Product is abnormal, please do not disassemble it by yourself, and you should contact our customer service department for technical support in time.

## **Notes**

- Provides critical information which, if not followed, may cause injury, death, Product malfunction or non-function, and /or an exaggerated expectation of the Product's abilities.
- Intelligent fall prevention airbag-clothes are designed to protect people who are prone to falls/people at risk of falling, reduce the probability of hip fracture caused by accidental fall during

walking, or cushion the impact force of falling or falling to reduce the hip fracture Probability or reduce the possible damage to the body caused by impact force. However, if the armrest is pulled or delayed by other objects/external force during the fall, etc., the falling speed will be reduced, the product may not trigger protection because the wearer's speed is slower.

- The Product provides only limited impact protection against forces in the areas of airbag coverage. No guarantee is given that the Product will prevent injuries (including severe or fatal injuries )inside and/or outside the areas of airbag coverage .

- In the event of a fall, inflation of the Product will cause sudden pressure across the back/torso and head. This can cause discomfort and for wearer in poor health this may cause complications.

- Under No circumstances should a wearer attempt to transport objects of ANY size or shape, including sharp or pointed objects, stuffed inside the Compatible Garment/garment, as they may cause injury to the wearer and/or damage to the airbag. Only blunt objects should be transported in the compatible Garment /garment provided that they fit completely inside the pockets.

- This product has no protective effect on hip fracture caused by twisting force.

- In severe osteoporosis patients, even a slight bump can cause fractures. Wearing this product may not provide sufficient protection. It is recommended to seek medical treatment to improve the condition.

- Notes on prohibited use scenarios Intelligent.

- The fall Prevention airbags have built-in precision and sensitive parts, which should be stored carefully to avoid children's contact.

- When you are not wearing a Intelligent Fall Prevention airbag, please make sure to pull out and disconnect the LED lock to ensure that the safety control module stops working, otherwise any movement / flip / collision may trigger the airbag to eject.

- Long-term exposure to harsh environments such as high temperature, cold, and humidity may cause the safety control module, gas generator and other components of the intelligent fall prevention airbag to malfunction, and affect the protective effect.

- When wearing this Intelligent Fall Prevention airbag, please pay attention to the power.

When the device is out of power, the airbag will not pop out.

- If it is not handled properly when taking off the clothes, the Intelligent Fall Prevention airbag may be dangerous, for example: popping the airbag to cause human injury or damage to surrounding items.

- Be sure to choose Products suitable for the wearer's body size; If the size is not appropriate, the protection effect of the Product will be discounted or even ineffective.

- Be sure ONLY the front placket zipper pulled and pulled to the end that the Product can provide the maximum protective effect. If the zipper does not pull or do not pull to the end, the protective effect will be discounted or even no protective effect.

- Due to shocks, movement and/or other input detected and/or received by the Product while in use, although unlikely, the Product may deploy even though there is no fall event.

- Certain types of movement could be interpreted as a fall by the MCU of Product and cause the airbag to deploy though no fall has occurred.

- When you wear and use this product, please ensure that the seating speed is gentle; otherwise when you sit down quickly, or even "throw" your body towards a sofa or bed, etc., the instantaneous acceleration that the built-in sensor can sense will be very close Acceleration of

gravity. At this time, the Intelligent Fall Prevention airbag may think that you are about to fall and eject the airbag to protect you.

- Intelligent fall prevention airbags cannot provide effective protection for the wearer when falling forward.

- The Intelligent Fall Prevention airbag cannot provide effective protection for the wearer when he falls on sharp objects.

- Do not paste other coverings such as paper or tape on the Intelligent Fall Prevention airbag, otherwise it will affect the deployment of the internal airbag.

- Do not apply oil paint, detergent or other chemicals on the Intelligent Fall Prevention airbag.

Do not use external heat sources, such as a hair dryer, dryer or microwave oven, to dry your Intelligent Fall Prevention airbag.

- Do not repair or sew, disassemble or replace your Intelligent Fall Prevention airbag by yourself or by a person who is not our company. Only professional staff authorized by the manufacturer can.

- There are no user serviceable parts inside the Product. Under no circumstances should users attempt to open, service, disassemble or modify the Product. Do not remove or change the internal battery. Any and all work performed on the Product must be done by YIDAIBAO or an authorized YIDAIBAO Service Center. Severe injury or damage may result otherwise.

## **Notes on Prohibited Use Scenarios**

- Do not wear Intelligent Fall Prevention airbags when you are performing strenuous exercise such as running, dancing, jumping, etc., because the built-in sensors of the Intelligent Fall Prevention airbags may think you are about to fall and trigger the airbag to pop out. The built-in sensor may think you are about to fall and trigger the airbag to pop out.

- Please open the LED lock first when going to the toilet.

- The Intelligent Fall Prevention airbag can not be used in rainy weather, not subject to water splash, and can not be immersed in water.

## **Statement on Hazardous Substances**

The materials and processes used for the Intelligent Fall Prevention airbags have passed the EU RoHs certification, and wearing will not cause discomfort. If there are some discomforts, please stop using them immediately and contact the manufacturer.

## **Product Safety Tips**

Because this product cannot provide 100% protection, users still need to pay attention to their own safety when using Intelligent Fall Prevention airbags. Due to external force factors of third parties (for example: collision of motor vehicles (or other objects), falling objects at high altitudes, etc.), the Intelligent Fall Prevention airbag cannot provide effective protection, wearers must pay

attention to their own safety.

## Statement

· During wearer correct wearing and use \*, if a fall occurs and your Intelligent Fall Prevention airbag fails to deploy, the company promises to compensate one for five; if a fall occurs and the Intelligent Fall Prevention airbag deploy, the wearer is still injured and/or suffered other losses, The company will not assume any legal responsibility and/or economic compensation.

· YIDAIBAO is not responsible for reporting possible accidents or for providing any assistance to those involved. User agrees that YIDAIBAO has no duty or responsibility to report any accidents or the possibility of any accidents based on the date transmitted to YIDAIBAO. User assumes the risk of any accidents or injuries whether or not date is being transmitted to YIDAIBAO.

(Note: The period of "correct wearing and use" refers to meeting all the precautions and conditions above in this manual)

## Recycling

1. Intelligent fall prevention airbag-clothes can be used repeatedly. When the airbag is popped out and the appearance of the bag is intact, it can be recycled ten times by replacing the gas generator;

2 After the intelligent fall prevention airbag-clothes style pops up, if you need to recycle the product, please carefully check whether the airbag appearance is intact and the entire airbag leaks; if the airbag is intact, you can replace the gas generator by yourself; See the QR code on the last page of this booklet for the specific replacement method. (The airbag verification work can also be entrusted to the professional technical personnel of the belt protection company. Please contact the sales/customer service personnel and send the intelligent fall prevention airbag back to the manufacturer according to the actual communication. The belt protection company will receive the product The verification result will be notified to you within 2~4 working days; if the airbag is not damaged, the belt insurance company will send the airbag back to you on the day the verification is completed; the verification will incur a certain cost, which needs to be borne by you, the specific charges The standard depends on different product types, you can consult your sales/customer service staff)

3. The gas generator can be purchased at the official online store of the belt protection company. The specific charging standard depends on different product types, you can consult your sales/customer service staff;

4.The domestic round-trip courier cost of mailing the Intelligent Fall Prevention airbag is borne by Yidaibao Intelligent Technology Company. Please ensure that the product is complete and properly packed with the Intelligent Fall Prevention airbag that needs to be repaired (recommended to use the original packaging box), and select a reliable express company SF Home Pickup) to avoid

damage to the items in the logistics process. If the returned product is damaged, Yidaibao Intelligent Technology Company will not be liable for any additional repair / replacement / compensation other than the "recycling" service.

## Contact Us

Suzhou Yidaibao Intelligent Technology Co., Ltd



Building 1, No. 102 Hengtang Road , Shunyang Industrial park Huaqiao Town,  
Kunshan ,Jiangsu

[www.zgznhh.com](http://www.zgznhh.com)

**This Product is underwritten by PICC P & C Insurance**

Notes on the user manual version:

Due to the upgrade and modification of the Product firmware program, the functions described in this manual may be changed, please use the corresponding user manual. The latest user manual is available on the official website:

[www.zgznhh.com](http://www.zgznhh.com).