



GIN



Safari **Passenger**

User manual

v1.0 - 09/2016



Leightweight Tandem Passenger

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Thank you...

...for choosing Gin Gliders. We are confident you'll enjoy many rewarding experiences in the air with your GIN harness.

This manual contains important safety, performance and maintenance information. Read it before your first flight, keep it for reference, and please pass it on to the new owner if you ever re-sell your harness.

Any updates to this manual, or relevant safety information, will be published on our website: www.gingliders.com. you can also register for e-mail updates via our website.

Happy flying and safe landings,
GIN team

Warning

Like any extreme sport, paragliding involves unpredictable risks which may lead to injury or death. By choosing to fly, you assume the sole responsibility for those risks. You can minimize the risks by having the appropriate attitude, training and experience and by properly understanding, using and maintaining your equipment. Always seek to expand your knowledge and to develop self-reliance. If there is anything you do not understand, consult with your local dealer as a first point of contact, with the GIN importer in your country or with Gin Gliders directly.

Because it is impossible to anticipate every situation or condition that can occur while paragliding, this manual makes no representation about the safe use of the paragliding equipment under all conditions. Neither Gin Gliders nor the seller of GIN equipment can guarantee, or be held responsible for, the safety of yourself or anyone else.

Many countries have specific regulations or laws regarding paragliding activity. It's your responsibility to know and observe the regulations of the region where you fly.

About Gin Gliders

Dream

In forming Gin Gliders, designer and competition pilot Gin Seok Song had one simple dream: to make the best possible paragliding equipment that pilots all over the world would love to fly—whatever their ambitions.

At Gin Gliders, we bring together consultant aerodynamists, world cup pilots, engineers and paragliding school instructors, all dedicated to fulfilling this dream.

Touch

We're a "hands-on" company that puts continuous innovation and development at the center of everything we do.

At our purpose-built R&D workshop at head office in Korea, we are able to design, manufacture, test-fly and modify prototypes all in a matter of hours. Our international R&D team is on hand both in Korea and at locations worldwide. This guarantees that your equipment has been thoroughly tested to cope with the toughest flying conditions.

Our own production facilities in East Asia ensure the quality of the finished product and also the well-being of our production staff.

Believe

We believe that the product should speak for itself. Only by flying can the pilots understand their equipment and develop trust and confidence in it. From this feeling comes safety, comfort, performance and fun. The grin when you land should say it all!

Introducing the Safari 2 Passenger

The Safari 2 Passenger is for both pro and leisure pilots who are looking for a harness that's lightweight, compact and easy to use.

Light and compact

The Safari 2 Passenger weighs only 1.7kg and packs quickly and easily. It is made of high quality, durable materials such as premium quality webbing and our latest honeycomb fabric. The profile is compact, whilst comfort in the air is excellent. There are no pressure points, even on longer flights.

Convenient storage

Storage and pockets have been carefully considered to match the Safari 2 pilot harness. The goal was to offer convenient and flexible storage options while retaining simplicity and light weight. A strip of velcro on the shoulder strap accommodates a vario.

Built to last

A reinforced skid guard on the bottom of the airbag offers protection against wear and tear and can be easily removed and replaced if it becomes worn or damaged. The harness comes in one size, but can be fully adjusted to accommodate a wide range of passenger sizes.

Technical Specifications

Size	One Size
Weight (kg)	1.7
Carabiner distance (cm)	36-46

Certification

The Safari Passenger 2 has EN and LTF certification, max load 120 DaN

Safari Passenger 2 harness: (EN/LTF) EAPR-GZ-0494/16

Parachute container

No rescue container

Back protection

Airbag

Delivery package

1 Harness

2 GIN 25mm carabiners

Features and innovation

Split leg

The split leg design is based on the original Safari. We carefully designed the split leg system for comfortable take-off. The split leg design makes entering the harness after take-off very simple and safe for the passenger allowing the pilot more time to focus on a clean launch without needing to worrying about the comfort of their passenger

Back protection

The Safari Passenger 2 features a newly designed back protector. Made with extra durable materials and a newly designed skid guard. Special attention was made to ensure the back protector passed our GIN safety standard. Like all of GIN's airbag harnesses, the Safari Passenger 2 passes both the pre-inflation and flight simulation shock test. This ensures the safest harness for both launching and landing even if the airbag is not fully inflated.

Forward air inflation

The safari passenger features a forward air inlet system for fast inflation of the back protection. The split leg geometry of the harness allows for easy inflation without the passengers legs blocking the air inlet.

Skid guard

On the bottom of the airbag we have added an improved skid guard to protect the harness in the event of a rough landing or repeated landings on a rough surface. This extra, heavy duty fabric can be easily removed and replaced if ever worn or damaged. It can also be easily removed to allow access to the airbag inlet for simple debris removal.

Safety handles

The "Safety handles" are identified by the red webbing loop handles on the sides of the harness. In stronger conditions, a helping hand on the ground may help ensure a smoother launch.

Velcro shoulder straps

Located on both shoulders straps of the passenger harness are Velcro strips and attachment loops. This allows an excellent position for flight instruments or a POV (point of view) camera mount.



Before you fly

Make sure your dealer has checked the harness for completeness and basic settings. Your harness must be assembled by a suitably qualified paragliding professional, for example, your instructor.

Adjustments

Adjust your harness to suit your physique and flying style. It is important to adjust it correctly to ensure you can easily slide into the sitting position after take off. A poorly adjusted harness can adversely affect the flying characteristics of your paraglider.

Perform adjustments before your first flight by hanging in a simulator and fine-tune the settings if necessary during your first few flights.

Shoulder straps (1)

The optimum setting for the shoulder straps depends on the height of the passenger. Step into the harness and stand upright with the breast strap closed, symmetrically adjust the shoulder straps until they are a snug fit, but not tight.

To tighten: pull down on the red and white loop

To loosen: pull up on the BLACK loop

Lateral Straps (2)

The lateral straps adjust the angle between the thighs and the back. Lengthening the straps increases the angle and vice-versa. The easiest way to adjust them correctly is during a flight in calm air. Remember that flying in the supine position (i.e. leaning back), reduces the stability of the harness and increases the risk of riser twists after a deflation.

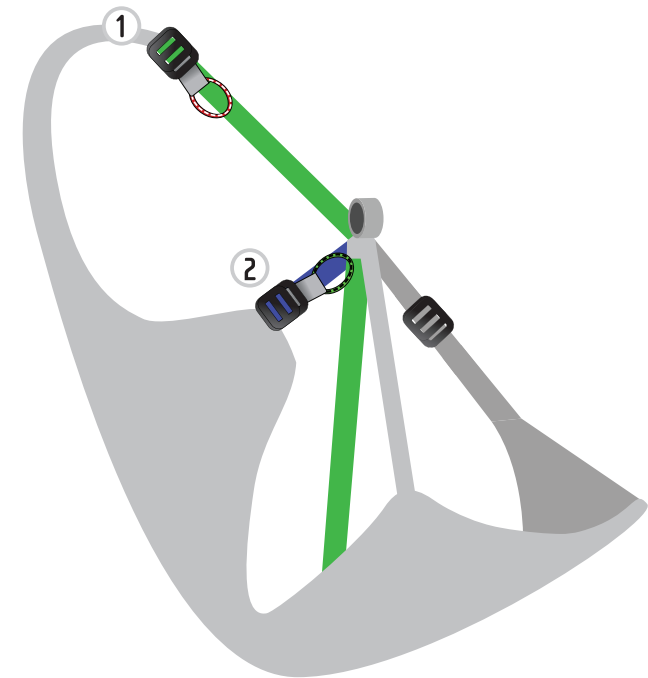
To tighten, pull forward on BLACK and GREEN loop.

To loosen, pull back on the BLACK loop.

Breast strap (4)

After adjusting the shoulder straps, place the breast strap in a comfortable position and tighten so there is slight pressure on the shoulder straps.

WARNING: If you are in any doubt about any aspect of rescue installation, seek professional advice!



① Shoulder strap 

② Lateral strap 

Flying with the Safari 2 Passenger

General warnings and advice

Before every flight, check the following:

- Is your passenger in good physical and mental condition?
- Are you familiar and compliant with all applicable laws and regulations in your area?
- Are you briefed thoroughly about the site, airspace and expected weather conditions of the day?
- Is your equipment and choice of site suitable for your level of experience?
- Does your passenger have a suitable helmet, gloves, boots, eye-wear and adequate clothing?
- Is your passenger carrying some form of identification, so that people know who you are in case of an accident? Take along a radio and mobile phone if possible.

Pre-flight checks

As part of your normal pre-flight check routine, check:

- Is there any damage to the harness or carabiners that could affect its airworthiness?
- Are all buckles, belts, zips securely fastened? Buckles should click into place as you close them, and a gentle pull on the fastened buckle verifies this. Secure any zips after fastening the buckles.

Take extra care in snowy or sandy environments.

- Is the paraglider connected correctly to the harness with both carabiners secured by their locking mechanisms?
- Are all pockets closed properly and any loose items tied down safely?
- Have you closed your leg and chest straps? Double check before you take off!

IMPORTANT: Use a complete and consistent system of pre-flight checks and repeat the same sequence every flight.

Landing with the Safari 2 Passenger

Before landing, slide your legs forward in the harness so that you adopt the standing position. NEVER land in the seated position—it is very dangerous even if you have back protection.

Miscellaneous

Towing

This harness can be used for towed launches. The tow bridle release should be hooked directly to the main carabiners, ensuring that the carabiners are positioned with the opening bar facing the rear. For further details, refer to the documentation provided with your tow release, or ask a qualified towing instructor at your flying site.

Tandem Flying

The Safari 2 Passenger is designed solely for passengers in tandem flying. For tandem pilots, we recommend the Safari 2 Pilot harness.

Flying over water

Water landings should be avoided at all costs, as the back protection increases the risk of the pilot floating in a head-down position.

Maintenance and repairs

The materials used in this harness have been carefully selected for maximum durability. Nevertheless, keep your harness clean and airworthy to ensure the longest possible period of safe operation.

Care and maintenance

Don't drag your harness over rough or rocky ground. Avoid unnecessary exposure to UV rays, heat and humidity. Keep the folded harness in your rucksack when not in use.

Store all your equipment in a cool, dry place, and never put it away while damp or wet. Regularly clean off dirt with a plastic bristled brush and/or a damp cloth. If the harness gets exceptionally dirty, wash it with water. Make sure you first remove the entire sub-components for example, rescue parachute etc. Allow the harness to dry naturally in a well ventilated area away from direct sunlight. If your rescue parachute ever gets wet (e.g. in a water landing) you must separate it from the harness, dry it and repack it before putting it back in its separate deployment bag.

After a hard landing you must check your harness and back protector for damage, pay close attention to the rescue container and verify all of the attachments are secure.

Inspection checklist

The pilot should perform the following inspection on every repack of the rescue and should be checked by a professional after 24 months or 200 hours of flying (whichever comes first). Additional inspections should be performed after any crash, bad landing or take off, or if there are any signs of damage or undue wear. Always seek professional advice whenever in doubt.

The following checks should be carried out:

- Check all webbing, straps and buckles for wear and damage, especially the areas that are not easily seen, such as the inside of the carabiner hook-in points.
- All sewing must be intact and any anomalies attended to immediately to avoid exacerbation of the problem.
- The main carabiners must be replaced at least every 5 years or after 500 hours, whatever comes first. Impacts may create undetectable cracks that could result in structural failure under continuous load.
- A careful visual inspection of the protector should be made, airbags should be filled with air and checked for leaks, mousebag should be inspected for tears and foam recovery.

IMPORTANT: Any repairs should only be carried out by the manufacturer or by an approved agent. This will ensure that the correct materials and repair techniques are used.

Repairs

The manufacturer or an approved specialist should carry out any repair that involves critical parts of the harness. This will ensure that the correct materials and repair techniques are used.

Storage

Stored at a temperature between 10° and 25° C and in relative humidity between 50 and 75%. Make sure too that the harness is not stored in a place where animals such as mice or cats could use it as a place to sleep.

Do not store the harness near any chemicals, including water. Petrol, for example, causes the material to disintegrate and can cause considerable damage to your harness. When your equipment is in the car boot, keep it as far away as possible from any spare petrol cans or oil containers.

The harness should not be exposed to extreme heat (e.g. in the car during summer). High temperatures accelerate the process of hydrolysis, particularly when combined with moisture, which damages fibers and coating. Do not store your harness near radiators or other heat sources.

GIN quality and service

We take pride in the quality of our products and are committed to putting right any problems affecting the safety or function of your equipment and which are attributable to manufacturing faults. Your GIN dealer is your first point of contact if you have any problems with your equipment.

If you are unable to contact your dealer or GIN importer, contact Gin Gliders directly via our website.

GIN lifetime guarantee

Gin Gliders are proud to guarantee the quality, craftsmanship and performance of all our products. Equipment with defects in materials or manufacturing will be repaired or replaced at the discretion of Gin Gliders for the practical lifetime of the product. Equipment damaged through wear and tear, misuse or neglect may be repaired at a nominal charge.

If you have any problems with your equipment, please contact your GIN dealer in the first instance, or Gin Gliders directly via our website.

Care of the environment

We are privileged to fly in areas of outstanding natural beauty. Respect and preserve nature by minimizing your impact on the environment. When visiting an area, contact the local club for details of environmentally sensitive areas and local restrictions.

Gin Gliders gives consideration to the entire life cycle of its harnesses, the last stage of which is recycling in an environmentally-friendly manner. The synthetic materials used in a harness must be disposed of properly. If you are not able to arrange appropriate disposal, Gin Gliders will be happy to recycle the harness for you. Send the harness with a short note to this effect to Gin Gliders Inc.

Final words...

Most of us today live in a dependent society where we are regulated and protected. There are few opportunities for individuals to develop the self-responsibility that is the foundation of safety in extreme sports such as paragliding.

Most accidents are caused by getting into situations that are too demanding for your level of experience. This happens if you lack fundamental understanding, are incapable of assessing the risk or simply do not pay sufficient attention to your surroundings or your own state of mind.

To stay safe, the best you can do is to increase your understanding, skill and experience at a rate you can manage safely. There is no substitute for self-responsibility and good judgment.

In the end, paragliding offers a unique opportunity to learn to take control of your own destiny.
Memento mori, carpe diem!

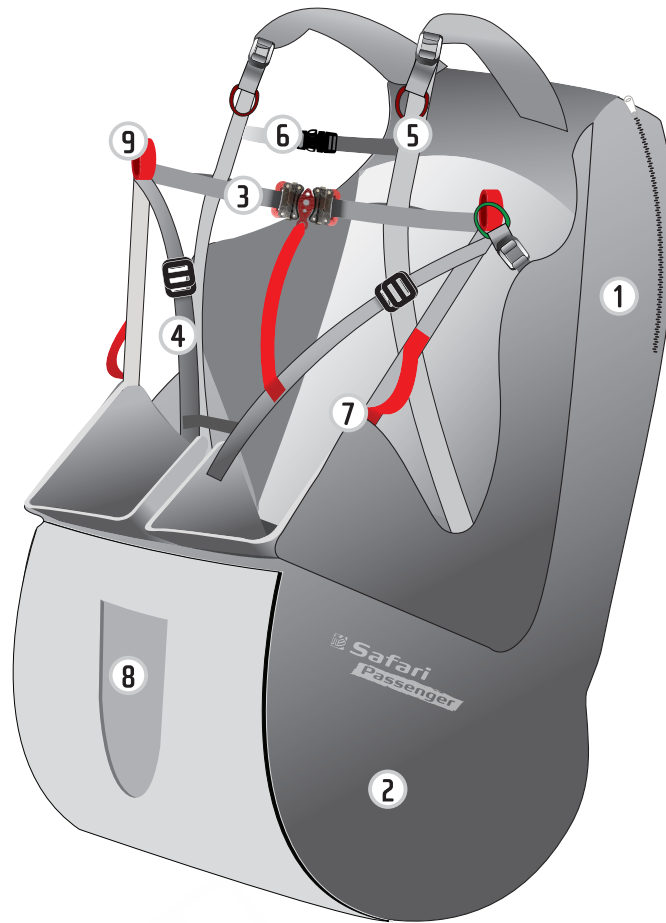
Fly safely, and...E N J O Y!

GIN team

Inspections and repairs overview

Date	Work carried out	General conditions on delivery	Completed by (name)	Stamp and signature

Harness diagram



1. Back pocket
2. Back protector
3. Chest strap
4. Leg strap
5. Shoulder strap
6. Breast strap
7. Safety handles
8. Forward air inlet
9. Main carabiner attachment



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Dream. Touch. Believe