



G I N

Safari Passenger

Owner's Manual



Please read this manual before flying with the Safari Passenger for the first time.

Gin Gliders Inc.

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Thank You...

Thank you for choosing the Safari Passenger harness. We are confident that this harness will provide you with enhanced comfort, control, performance and fun in flight. This manual contains all the information you need to set up, trim, fly and maintain your harness. A thorough knowledge of your equipment will keep you safe and enable you to maximize your full potential.

Please pass on this manual to the new owner if you do resell your harness.

Happy Flights and Safe Landings,

The GIN Team

Safety Notice

By the purchase of our equipment, you are responsible for being a certified paraglider pilot and you accept all risks inherent with paragliding activities including injury and death. Improper use or misuse of GIN equipment greatly increases these risks. Neither Gin Gliders Inc nor the seller of GIN equipment shall be held liable for personal or third party injuries or damages under any circumstances. If any aspect of the use of our equipment remains unclear, please contact your local GIN reseller or importer in your country.

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1. Gin Gliders

Gin Gliders was formed in 1998 by paraglider designer and competition pilot Gin Seok Song and his team of engineers and test pilots.

Gin's philosophy is simple: to design paragliding equipment that he and any other pilot love to fly. This philosophy applies equally for a harness such as the Safari Passenger, as for the renowned competition glider, the Boomerang. No product is released to the market without Gin's complete satisfaction. Gin Gliders produce a complete range of accessories and can provide you with many useful items for flying which are all manufactured in Gin Gliders own production facility to guarantee highest quality standards.

Gin has over 20 years' experience of designing and manufacturing paragliders and is backed up by an equally experienced team, both within the company in Korea and throughout a worldwide network of distributors and dealers. The "GIN Team" has won the Paragliding World Cup overall several times and has had countless other competition successes in World Cups, World and National Championships. This high level of expertise provided by dedicated professionals ensures that you get the best possible product support and after sales service.



2. Introducing the Safari Passenger

The Safari Passenger was developed by the R&D team of Gin Gliders to meet the needs of both professional and leisure tandem pilots. The Safari Passenger was the harness used by GIN test pilots during the development of the Safari tandem paraglider, Safari pilot harness and Yeti tandem rescue. The Safari Passenger is suitable for all kinds of tandem passengers.



The Safari Passenger can be flown with all types of paragliders unless the manufacturer of your paraglider requires a specific harness to be used with his paraglider. Please refer to the manual of your paraglider to find out if this might be the case.

The Safari Passenger is simple, easy-to-use and lightweight. The overall geometry of the harness is designed to make passengers feel secure and comfortable, even on longer flights. The split legs design greatly aids ease of movement during take-off and landing, unlike harnesses with a seat plate.

The legs straps are secured with a rectangular thread-through buckle for extra security. The leg and chest straps are integrated with a Safe-T buckle that prevents the passenger falling out of the harness if the pilot forgets to fasten the leg straps.

An airbag with air inlets on either side protects the bottom, and a mousse bag protects the bottom and back. This combination offers the very best protection, the dual air inlets ensure that the airbag is inflated in almost every direction, and even when not fully inflated, the airbag offers some protection. The mousse bag offers additional protection, for example in the case where the pilot's harness has a seat board which may impact on the passenger's back. The mousse bag can, however, be removed for greater portability at the discretion of the pilot, though we do not recommend it.

The harness has sturdy fabric reinforcement attached under seat with Velcro for replacement when worn out.

The harness also features Velcro shoulder straps with safety loops for the secure attachment of the pilot's instruments.

Features of the Safari Passenger

Components of the Safari Passenger:

- GINSOFT10 foam mousse bag protector
- 2 carabiners

Back protection

The Safari Passenger is equipped with a combination of air bag and a GINSOFT10 10cm foam mousse bag. The GINSOFT10 has multi-compartments and a dual layer structure. This offers better shock absorption by controlled escaping of the air from the foam in case of impact.

When the airbag is fully inflated, the airbag provides sufficient protection by itself. If there is insufficient air in the airbag, for example during take-off, the GINSOFT10 provides complementary protection which will reduce the energy of the impact as much as possible, but it cannot completely eliminate the risk of injury.

The Safari passenger airbag harness with GINSOFT10 back protector is certified EN and LTF.

Storage/Pockets

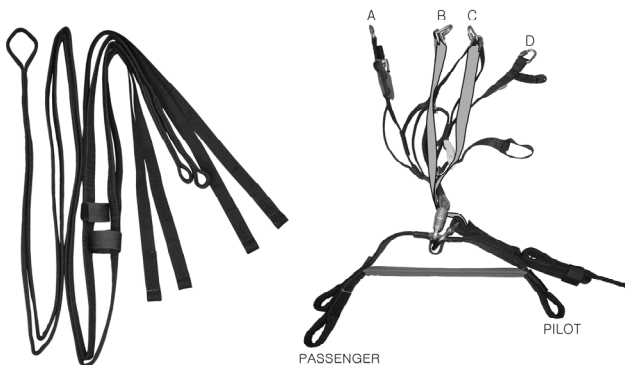
The Safari Passenger contains a large back pocket and 2 smaller pockets on either side, zippered for security. The back pocket contains a compartment for a small radio and there is a hole for an in-flight drinks system or a handheld microphone/speaker cable.

Optional Extras

The following items are available as optional extras.

Tandem rescue bridle

The tandem rescue bridle can be used to connect the pilot/passenger to a rescue system, such as the Yeti tandem rescue, which is installed in the pilot's harness. Please contact your local dealer for details.



Other Accessories

For up-to-date information on additional accessories, visit www.gingliders.com or contact your local GIN dealer or the distributor in your country.

Tandem Pilot harness

GIN Gliders is also producing the tandem pilot harness "Safari pilot". You can see it here on this picture. Please contact your local GIN dealer or the distributor in your country.



3. Before you fly

The Safari Passenger must be assembled by a suitably qualified paragliding professional, for example your instructor. The pilot should then adjust the harness for comfort.

Assembly

The Safari Passenger is delivered with the back protection pre-installed. But when it is necessary to assemble the harness by yourself, Gin Gliders recommend that assembly be carried out as below. If there is any doubt whatsoever about this procedure, please seek professional advice from your instructor, GIN dealer or importer.

Back Protection

If you receive the GINSOFT10 back protection folded, then please let it lay open for several hours before you install it into the harness. To install, open the zipper in the back protector pocket and slide in the GINSOFT10.

Adjustments

The Safari Passenger should be adjusted 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 takeoff.

Adjustments should ideally be tested by hanging in a simulator prior to the first flight. Additional fine-tuning can be done during your first few flights.

Check that the air inlets to the airbag are clearly open and unobstructed.

Please follow the following steps to adjust your harness:

Lateral straps

The lateral straps adjust the angle between the thighs and the back. This angle can be set between 90° and 110°. Lengthening the straps increases the angle and vice-versa. The easiest way to adjust them correctly is in a simulator. Remember that flying in the “supine position”, which means leaning back, reduces the stability of the harness and increases the risk of twisting after an asymmetric deflation.

Shoulder straps

The optimum setting for the shoulder straps depends on the height of the pilot. Stand upright with the chest/leg straps closed and symmetrically adjust the shoulder straps until they are just tight. To loosen the shoulder straps, pull the narrow webbing loop that protrudes backwards from the buckle on the shoulder strap.

Chest strap

The adjustment of the chest strap controls the distance between the carabiners and affects the handling and stability of the glider. Widening the distance between the carabiners increases feedback from the wing and allows for easier weight shifting. Closing the strap gives you a

more stable feeling in turbulence but increases the risk of stable spiral and also the risk of twisting!

We advise pilots of GIN paragliders to fly with a distance between the carabiners of approximately 42 to 50 cm.

The chest strap may also be adjusted in flight according to the conditions; for example, it may be tightened in turbulent air and flown at a looser setting in more stable or weak conditions.

4. Flying with the Safari Passenger

Pre-flight checks

For maximum safety, use a complete and consistent system of pre-flight checks and repeat the same mental sequence every flight.

Check that:

There is no visible damage to the harness or carabiners that could affect its airworthiness.

All buckles, belts, zips are 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.

The paraglider is connected correctly to the spreader bars, and both carabiners on both pilot and passenger harnesses are secured by their locking mechanisms.

All pockets are closed properly and any loose items are tied down safely.

The air inlets of the air bag are open.

One more time! You have closed your leg and chest straps before you take off!

Landing with the Safari 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 for your back even if you have back protection. Standing up before landing is an active safety system, and is much more effective than the passive system of back protection.

5. Miscellaneous

Towing

The Safari Passenger isn't equipped with an extra system for towing. The tow release can be connected to the main carabiners of the tandem spreader bar. The best way to attach a tow release is to use a towing adapter, which slides over the lower ends of the risers of the paraglider before attaching to the main carabiners. For further details, refer to the documentation provided with your tow release or towing adaptor or ask a qualified towing instructor at your tow site.

Flying over water

The Safari Passenger is not recommended for the extreme manoeuvres. **But in any case, for all other flights over water, the back protection should be removed, due to the increased possibility of drowning after a water landing.**

Act responsibly and help preserve your flying sites

Please observe all local rules at the flying sites you use. It is important not to endanger the preservation of flying sites that are a vital necessity to the enjoyment of our beautiful sport.

6. Care, Maintenance and Repairs

The materials used in the Safari passenger have been carefully selected for maximum durability. Nevertheless, keeping your harness clean and airworthy will ensure a long period of continuous safe operation.

Maintenance

Avoid dragging your harness over rough or rocky ground.

Unnecessary exposure to UV rays, heat and humidity should be always avoided.

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.

Keep your harness as clean as possible by regularly cleaning off dirt with a plastic bristled brush and/or a damp cloth. If the harness gets exceptionally dirty, wash it with water and a mild soap. Make sure you first remove the entire sub-components for example, rescue parachute etc. When you clean, don't scrub the fabric inside the Airbag with a brush (especially the back) since the fabric can be damaged by rubbing. 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 outer container.

After a hard landing you must check your air bag protection for damage. **A tear in the airbag may render it totally ineffective and prevent it from working as protection.**

You must have the air bag repaired properly before use.

The zips and buckles may be occasionally lubricated with silicone spray, no more than once a year.

Inspection checklist

In addition to regular pre-flight checks, the Safari passenger should be inspected thoroughly, normally every 2 years or 200 hours. 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.

Special attention should be paid to the rescue installation, particularly the elastic and Velcro parts.

The main aluminium 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.

Repair

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.

Environmentally friendly disposal of the harness

When this paragliding harness cannot be used any longer after an extended period of life time, then you must ensure that it will be disposed in an environmentally friendly way. Please observe the existing regulations and laws in your country.

7. Technical Data

Specification

Size	One size fits all
Recommended Pilot Height(Cm)	160~190
Weight (with Back Protector) Kg	2.7
Distance Between Carabineers	36-48 cm
Back Protector	10Cm Foam mousse bag: GINSOFT 10
Certified Max. Load for EN & LTF	120kg

Certification

Safari Passenger harness: EN 1651 & LTF 91/09, Nr. EAPR-GZ-7396/11

Description of material

Fabric:

Outside: NYLON CODURA, 420D HD N/OXFORD PU, CHARMEUSE CONTRECOLLEE

Inside: OXFORD 210D PU

Webbing: NYLON-66 25mm / 30mm

Buckle: T-LOCK SAFETY BUCKLE, SLIDE BUCKLE

Thread: P/F 210 D/9 Bonded, P/F 210 D/4 & 210 D/6 Bonded POLYESTER

Every effort has been made to ensure that the information in this manual is correct, but please remember that it has been produced for guidance only.

This owner's manual is subject to changes without prior notice. Please check with www.gingliders.com for the latest information regarding the Safari Passenger and other GIN products.