



USER'S MANUAL GROUNMASTER

EDITION 1\_08/2018



# Congratulations

Thank you for choosing the GroundMaster harness. We have done our best to present you with the highest quality product, fulfilling all safety requirements and offering maximum functionality. Please read this manual carefully before using the harness for the first time. This will help you utilize all features of the GroundMaster, thus maximizing comfort and fun of each groundhandling session. We wish you a fruitful training!

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# 1. Safety

Paragliding is a potentially hazardous sport. When flying a paraglider you have to accept risks of injury and/or even death. Incompetent or improper use of the harness may increase those risks. In case of any doubts please ask your dealer or manufacturer.

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Dudek Paragliders does not bear any responsibility for damages or injuries resulting from paragliding activities.

# 2. Description

The GroundMaster harness was designed and dedicated for the groundhandling sessions by both PG and PPG pilots. The main goal of this project was creation of a light and comfortable harness, which will make training of inflating and groundhandling the canopy more pleasant and effective. Adjustable suspension points of the canopy enables simulation of launching with high-suspension paramotor. Wide range of the adjustments makes sure that the harness will fit any pilot. The back pocket will easily hold the transport bag and other equipment pieces. On opening it, two handles are available to assist the trainee in case of stronger winds.





**HARNESS FOR GROUND  
HANDLING ONLY  
Do not fly !**



The GroundMaster harness is dedicated only for the groundhandling exercises. It is neither designed nor allowed for flying. It should be used on flat ground only. It is not to be used for training on the slopes. It must not be used at too strong or turbulent winds.

### 3. Harness straps adjustment



Watch out for symmetry – left and right side should be adjusted the same.



- 1 - Shoulder straps
- 2 - Side straps
- 3 - Leg straps



- 4 - Chest strap
- 5 - Shoulder straps connector
- 6 - Suspension points
- 7 - Back support adjustment

## 3.1 Shoulder straps

Thanks to adjustable shoulder straps (1) the Groundmaster can accommodate pilots of almost any height. Too short straps will make standing upright difficult and can limit your movements during training.

## 3.2 Side straps

Can be adjusted to fit any pilot's torso. Make sure to leave min. 5 cm space between the strap and the body.

## 3.3 Leg straps

The leg straps are the most important safeguard against falling out of the harness. Their adjustment must allow for easy running during exercises. Too short straps can make you uncomfortable and restrain your run. Too long straps will allow the harness to be dragged up when the canopy is inflated.

## 3.4 Chest strap

Chest strap (4) governs the distance between carabiners. If the paraglider's manual does not indicate otherwise, recommended width is 42-48 cm.



## 3.5 Shoulder straps connector

A clip on the shoulder traps makes sure they stay in place during ground training. Additionally, there is an alarm whistle fixed to the clip. You can use it to summon help in danger.

## 3.6 Connection points

Connection points (6) are there to accommodate the main carabiners. In the GroundMaster harness those points can be shifted vertically to adjust the harness for specific needs.

Free flying – carabiners in the lowest position, just above the chest strap.

PPG flying – low hangpoints – carabiners ca. 10 cm above the chest strap.

PPG flying – high hangpoints – carabiners as high as comfortable for the trainee.

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Remember to observe the symmetry. Both carabiners must be set at the same distance from the chest strap. Asymmetrical setting will make controlling the canopy much harder.



### 3.7 Back support adjustment

The GroundMaster harness is manufactured in a single universal size. This adjustment makes it fit the height of any trainee.



## 4. Pockets

The GroundMaster has one small pocket on the back. It can hold the transport bag and other pieces of equipment/clothing as needed. There are two handles inside that pocket. They are there to assist the trainee in case of stronger winds.



## 5. Harness/paraglider connection

The GroundMaster Harness is sold without carabiners. Although most of the carabiners will do, the best fitting are the narrow risers carabiners (25 mm). We recommend the Edelrid 23 kN carabiners. They should be placed in the harness as on the picture below.



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Before starting your training check if the carabiners are closed and locked against accidental opening.

## 6. Before use

Before each training session a thorough check of the harness is necessary. For your own safety make sure that:

- the harness is not damaged in any way
- leg and chest straps are closed
- shoulder and side straps remain correctly adjusted
- main carabiners are closed and locked, without any damage

## 7. Cleaning and storage

All materials for the harness were carefully selected, keeping their quality and durability in mind. With help of your care they will keep your harness in good condition for a long time. The harness is best cleaned with a wet sponge, possibly a bit of soap. Do not use neither detergents nor solvents. If there is a lot of mud, first use a brush before wet cleaning.

If the harness happen to be soaked, dry it in a well aired place, away from direct sun operation.

In case of a long-time storage keep the harness either in the backpack or loose, in a well ventilated room, away from the sun. For longer periods of inactivity we recommend storing the harness out of the backpack. Unfortunately some discoloration of individual harness parts is unavoidable over time and this is yet another reason for not exposing it to the sun more than necessary.

## 8. Operation and repairs

Periodic control of the harness condition will keep it in safe operation for a long time. Aluminium carabiners should be replaced each 5 years or 500 hours. Scratched or damaged carabiners are not serviceable anymore and have to be replaced at once.

Using damaged harness is out of the question. In case of any doubts please contact your dealer or manufacturer and/or send it to an authorised workshop for closer inspection.

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The GroundMaster harness is approved to use for 10 years from the date of production.

### **Environmental care**

Paragliding is an outdoor sport. We believe that our clients share our environmental awareness. Exercising paragliding you can easily contribute to environment preservation by following some simple rules. Make sure you don't harm the nature wherever we can stay. Keep to marked paths, do not behave loudly, do not litter, respect the delicate balance of nature,

### **Recycling of used gear**

A harness is made out of synthetic materials, which need to be properly utilised when worn out. If you are unable to take care of right disposal, DUDEK Paragliders will do that for you. Just send your harness to the address given at the end of the manual, accompanied by a short note.

## 9. Technical data

Size	Min. suspension height (cm)	Seat width (cm)	Seat depth (cm)	Max. backrest height (cm)	Harness weight ** (kg)
One size	45	40	32	60 -70	1,90

\* harness weight (no carabiners)

**A set includes:**

1 GroundMaster harness for the groundhandling exercises (no carabiners).

**i**

Since Dudek Paragliders products are subject to constant improvements, minor differences are possible between the manual and actual product. Dudek Paragliders withholds its rights to introduce such changes without individual notice.



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