

## BUNGEE TRAMPOLINE Operation Manual



# BUNGEE TRAMPOLINE

# 1 in 1

Maintenance and operation manual of BUNGEE TRAMPOLINE SYSTEM-TRAMPOLINE  
Operation Manual.

It is with great pleasure that we congratulate you on Your purchase. We are excited about our products and feel confident that through proper planning, placement and hard work, the Bungee Trampoline system will be a rewarding and profitable purchase. Our philosophy is centered on a commitment to excellence in meeting the needs of our customers, providing a quality product that is safe, exciting and profitable.

Our main goals:

- Safe and profitable design
- Professional customer service support
- Manufacturing according to technical calculations
- Bungees made for earning money by our customers

Your part in our cooperation is:

- Commitment to safe operation
- Consistent inspection for proper maintenance

Best regards,  
Bartosz Buzdygan , general director

## Introduction

This Training/Operations Manual is an important document intended to help you become acquainted with the bungee trampoline system and guidelines as to safe and recommended operation.

Please read the following statement and sign below to indicate your receipt and acknowledgment of the bungee trampoline system.

I have received and read my copy of the bungee trampoline system made by *Bartek s.c. PPH* Training Manual. I understand that the information outlined in this manual are subject to change at the sole discretion of *Bartek s.c. PPH* at any time. It is further understood that the owner of bungee trampoline system has the responsibility to ensure the correct and latest version of the manual is being used.

I understand that my signature below indicates that I have received the bungee trampoline system Training Manual and that I have read it.

.....  
Authorized Representative of buyer, Date

## **Training Overview**

This training course is an introduction to the 1 in 1 bungee trampoline system and its operation. The purpose of this manual is to provide a compilation of information that will assist you in proper and safe operation.

The manual is designed to provide the wall owner with the information, tips, and techniques that will help the employees and owner operate bungee trampoline system as effectively and safely as possible.

It is no way a total representation of all facts. Safe operation of this unit is the sole responsibility of the owner/operator. Good and reasonable judgment must be used when traveling, promoting and/or operating.

## **Training Objectives**

### Product Overview

The bungee trampoline system is great play for children and adults. You can make good money on it , but remember the main goal is to have a good place. The bungee trampoline system is made from quality materials and according to technical calculations. Every bungee is build up before selling. This means that the bungee trampoline was tested, and supported by comprehensive quality assurance and quality control measures to ensure product reliability and safety.

The enclosed information is an outline as to the procedures for safe operation and build up the product.

### Warranty (from date of invoice)

Bungee products have one-year warranty for the construction , trampolines and winches. Warranty does not include consumables (harnesses, handholds, cables, pulleys, etc).

This product is considered dangerous without the proper training and safety practices. The purchasers and users of our products are completely liable for and accept full responsibility for any and all damages or injury, which may result from the use and/or misuse of any product.

## **Introduction to the bungee trampoline.**

This spectacular fun-sport can be enjoyed by all ages, allowing all skill levels to partake in acrobatic and coordinative motions that build confidence and exercise the body. Due to the special harness and elastic system the bungee trampoline comes complete with all major components :

- Steel construction
- 2 pipes with steel lines
- 1 motor
- 1 trampoline
- 1 set of elastics
- 3 Bungee-Trampoline-Harnesses (3 of : 1 L, 1 M, 1S , 1 XL)

## Assembly

You can find the Pictures on the last pages, showing step by step building the bungee.

11. Place the unit in on level ground in a position that faces the crowd and traffic flow, and insure that you have sufficient height to operate the unit and that the poles are not near any power lines or obvious obstacles that might impede the jumper once jumping.
22. Screw all elements in places of connection (pic 1) and then put the connection part which goes under the trampoline (pic 2)
33. Connect together the aluminum pipes
44. Put the aluminum pipes – one from left , one from right and secure it with the pins (pic 3). Connect the blocks (pic 4)
55. Install the motor with the roll to the middle of trampoline.
66. Check the layout of the blocks at the top (pic 4) and at the bottom (pic 5)
77. Raise one arm and connect three steel lines (pic 6,7). Make the same with the other arm.
88. Regulate the steel lines. The back line must be regulated that the pipes are leaned outside 7°
99. The construction should look like shown on the picture (pic 8)
1010. Put the trampoline inside the construction.

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**The Operational & Safety Guidelines** - Must Be Carefully Read and Followed Before Using the bungee.

### The Winch

The winch is the mechanism that allows for the raising and lowering of the jumper. Do not use the winch if it is raining or lightning. Should the winch or remote control get wet, be sure that it is completely dry before operating it again. When the winch is in use, double check that all cables are untangled and freely moving; this should constantly be monitored. Make sure that the winch and all cables attached to it are in good and working order.

The instructor should use the winch to help the jumper achieve the highest possible jump. This is done by winching the rope in while the jumper in the upward motion. Do this with extreme care and caution.

Always monitor the rope of the winch for tautness and that it is entering the winch smoothly and not rubbing against the housing of the winch.

Failure to notice this could result in serious damage to the rope.

Finally, do not allow any untrained person to operate the winch controls or be near the winches at any time.

### The Elastics

The elastics, in conjunction with the harness, connect the jumper to the frame of the bungee trampoline and it is the elastics system that allows the jumper to reach such incredible heights while simultaneously providing the stability for acrobatic movement. The elastics are made for the various weight ranges of the jumpers, which must be between 10 and 80 kg.

The elastics should be monitored constantly for signs of wear and tear. Should an elastic break or look worn, replace immediately.

Never use less than 2 elastics per side of the harness.

The elastics have a life-span of approximately 1000 jumps (based on 4-minute duration jump cycle and four trampolines). The elastics should be replaced regularly for optimal use and safety. Only replace Bungee trampoline system elastics with Bungee trampoline system elastics; do not use any other elastic system. Failure to do so will result in the negation of your warranty and create an unsafe situation. Be sure to store the elastics in a dry place. Should the elastics get wet, dry them completely before using them again.

Make sure that all carabineers (snap-links) are in locked position and tightly secured before each use.

1 Connection from jumper harness to elastics and static rope

- 1• One aluminum carabineer is connected to each side of the harness
- 2• Aluminum carabineer connects to the elastics according the weight scale
- 3• The elastics connect on the upper side to one aluminum carabineer.
- 4• This aluminum carabineer you attach the one end or the Swivel
- 5• The other end of the Swivel attaches to a steel carabineer.
- 6• The steel carabineer attaches to the rope
- 7• This is repeated for each side of the harness.

2. Connections from the aluminum construction to jumper cord.

- 1• One steel carabineer attaches to the Eye nut
- 2• The steel carabineer attaches to the top pulley swivel
- 3• Attach a second steel carabineer to the other end of the top pulley swivel

The Weight

- The minimum weight of a person using the bungee should be no less than 10 kg.
- The maximum weight per rider of the bungee is 80 kg.
- There is no minimum height restriction.

The following table shows how many elastics should be utilized per side of the harness with these various weights.

The weight scale is not a critical to the operation. It is only a guideline for the operators.

Body Weight of Jumper (in kg) Number of Elastic to be Attached to Each Side of the Harness

<b>Kilograms</b>	<b>Number of elastics</b>
-15	2
16-20	3
21-30	4
31-35	5
36-45	6
46-50	7
51-55	8
56-65	9
66-70	10
71-75	11
76-85	12

A copy of this chart should always be posted at each trampoline for quick reference. This chart is meant to be a rough orientation. The number of elastics needed vary greatly with the individual abilities of the jumper. This effect becomes more pronounced at the upper end of the weight scale as it goes almost unnoticed at the lower weight classes.

- Use the higher number of elastics if jumper is on upper end of weight range and/or if jumper is very dynamic and athletic.
- Never use any elastic that show signs of wear and tear.
- Always replace elastics with bungee trampoline system elastics; failure to do so will void your warranty.
- A jumper who is unable to refrain from swinging back and forth during the jump is attached to the incorrect number of elastics.

### The Harnesses

The harness is the actual link between the jumper and the elastics system. To safely utilize the bungee trampoline, both the jumper and the instructor need to fully understand proper harness fitting, adjusting, and positioning techniques. There are 4 sizes of harnesses:

- Small (S),
- Medium (M)
- Large (L).
- Extra Large (XL)

The jumper should be fitted in a tight-fitting harness;  
The jumper should wear the smallest size he/she fits.  
Getting a proper size is very important for both safety and comfort.

The following is proper harness fitting procedure:

- The jumper is to stand in front of the harness.
- Place the top strap above the hips of the jumper. This strap is to sit low on the waist of the jumper as possible.
- Close the buckle
- Tighten the strap around the hip, don't tighten to much, check the jumper feels comfortable.
- The carabineers (safe snap links) should be on the outside and above the hips of the jumper.
- If you cannot close the strap completely, use a smaller harness.

If the jumper does not fit in any of the harnesses, do not use the bungee.

The harness should fit the jumper tightly, but not so tightly that it is uncomfortable. The harness straps should rest comfortably at the top of the thighs and around the buttocks. Make sure that the clothing of the jumper is not bunched or gathered beneath the straps.

The instructor should ask the jumper how the harness feels and make sure that the jumper is comfortable and confident in the harness.

The jumper should be told to voice any concerns with the harness and or his/her comfort at ANY time during their time on the bungee.

Should the harness become uncomfortable for the jumper during their time, instruct the jumpers to stop their movement and lower the winch down so the instructor can fix the harness.

## The construction

Make sure that the frame is clean and dry while operating the bungee. Be sure to secure all cables and bolts properly, see the construction manual for instructions. All binding units and connection points should be completely closed and secure and should be monitored throughout usage.

All ropes connected to the frame should be straight and able to move freely through the pulleys.

Stop the operation immediately if any of the mentioned criteria's is malfunctioning!

## The Suspensions or trampolines

Once the jumper is standing safely on the trampoline, attach the harness immediately and then pull the winch up slightly at first to ensure the jumper does not fall off of the trampoline. Make sure that the jumper is always connected to tensioned elastics while on the trampoline.

The instructor should not allow any horse-play on the trampolines.

Always make sure that the springs of the steel frame trampolines are covered with the soft protector to prevent any injuries.

The jumper should try to stay in the center of the trampoline for maximum stability and height.

The instructor should not allow anyone else besides the jumper on the trampoline while the bungee is in use.

## Safety

### Safe Usage & Warnings

It is very important that before using the bungee trampoline that the system has been properly installed according to the construction manual. If you have any questions concerning the bungee trampoline constructions, suspension system, elastics system, or frame, contact customer service at: [+48 713 992 056](tel:+48713992056).

Be sure that the proper amount of space is given for the construction of the bungee trampoline. In addition, be sure to erect the bungee on a relatively flat ground. Flat, grassy fields or asphalt are ideal for the bungee. Do not erect the bungee on a hill or a bumpy ground surface that cannot resist weight or pressure.

It is very important that during the operation of the bungee, the instructor and on-site manager are continuously monitoring the rope assembly to ensure it is running smoothly and freely through the pulleys. Should the cables and/or ropes become entangled or are not moving freely, DISCONTINUE THE USE OF THE BUNGEE.

It is very important to check the elastics, cables, ropes, harnesses, connection points, and technical parts daily. The elastics need to be replaced approximately every 500 jumpers (based on a 3-minute duration) or about 100 hours of use. The ropes need to be replaced once a year regardless of condition. Replace elastics and/or ropes at the first sign of wear and tear. Only replace old Bungee trampoline system parts with new Bungee trampoline system parts.

Do not use any other elastic, cable, or harness system on the bungee. The use of unsafe materials will void your warranty and result in an unsafe situation.

Never allow horse-play around the bungee. Although this is a fun activity that everyone can enjoy, it must be managed and participated in safely.

Do not allow any non-staff person to be near the winches or cables. Spectators are to stay in a clearly marked delineation area well clear of the jumping- and operation areas. The on-site manager must maintain a safe environment not only for the jumpers but also for the instructors. Keep lines around the bungee orderly to prevent confusion. No smoking, food, or beverages should be allowed in the bungee area. The instructor must always monitor the height of the jumper's bounce, making sure there is always enough clearance. Do not let the jumper bounce too far away from the center.

### Jumping persons

Persons who have bad backs, necks, shoulders, broken bones, heart or lung problems, pregnancy, or any other medical condition should not participate in this activity. Jumpers should be in good health and should not be under the influence of drugs or alcohol while on the bungee. Jumpers should read and obey all rules, warnings, and instructions and should know they participate at their own risk. Bungee trampoline (Bartek s.c. PPH) cannot be held responsible for any injuries incurred and/or items lost or broken while on the bungee.

### Daily Check

The following activities should be performed before the bungee is used:

- Check all cables and cable attachments for tautness and stability.
- Check all carabineers (snap-links) for unusual wear. Be sure they open and close properly.
- Check the winch for proper movement and that all cables/ ropes move freely.
- Check to see that the ropes are moving freely through the pulleys.
- Check all elastics for wear and tear--replace if necessary.
- Check all connection points of the frame.
- Check to see that all bolts and pins are in place and secure.
- Check to see that all parts are dry and clean.
- Check all connection points of the harnesses.
- Check steel frame trampolines for security and be sure springs are covered by soft protectors.
- Check that all signs and warnings are properly posted.

### Documentation

Mechanical Inspection:

The safety check needs to be performed and the corresponding daily safety check sheet filled out as mentioned above before every day of operation. These sheets then need to be kept on file on site for random audits by either Officials or Bungee trampoline (Bartek s.c. PPH) representatives at all times.

Employee Documentation.

Documentation of employee training and status as well as a list of each employee have address and phone number. A training manual is to be on site at all times; each employee should be familiar with the manual



## The Staff

The training manual describes the training and knowledge necessary to become an operation staff member. This training must then be documented as mentioned above.

### The Interaction between the Instructor & Jumper

The instructor plays an integral role in the success of the jumper while on the bungee. He/She has a tremendous responsibility to maintain the jumper's safety at all times, while giving support and advice to aide in the jumper's movements.

This involves listening and communicating with the jumper at all times and being aware of their situation. The instructor must constantly monitor the winch for optimal jumps while keeping the jumper from landing on the trampoline in an incorrect fashion. The instructor needs to relate helpful hints and always encourage the jumper's success.

### The Professional Instructor / On site manager

The professional instructor needs to be completely aware of the jumper's situation, maintaining the highest level of safety possible. In addition, the instructor needs to fully understand the construction design, the elastic, and harness systems.

For safety purposes a instructor is not allowed to work more then two trampolines at a time. This means that a minimum of one attendant per two trampolines is necessary for operation.

The attendant is fully responsible for the safety of the jumpers on his/her assigned trampolines.

### The Jumper

Practically anyone can participate in the bungee. The jumper must be no younger than 2 years of age and no more than 99 years of age and must weigh between 10 and 80 kilograms. The jumper need not be in good health. It is also very important that the jumper obeys all posted rules and warnings and listen to the instructions given. Most importantly, the jumper needs to be honest with his/her weight for proper harness fitting.

Here are some hints to ensure success:

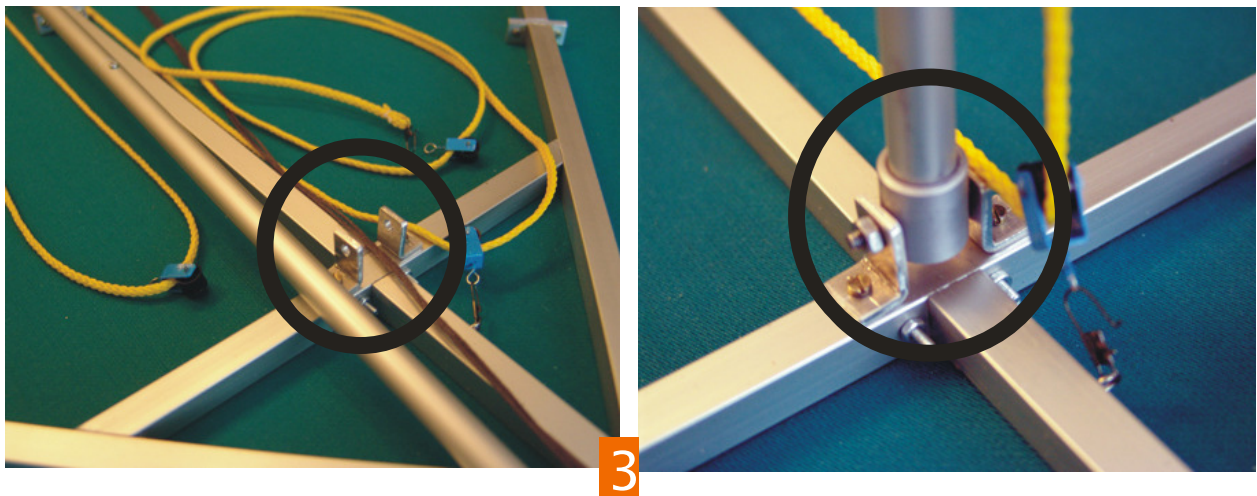
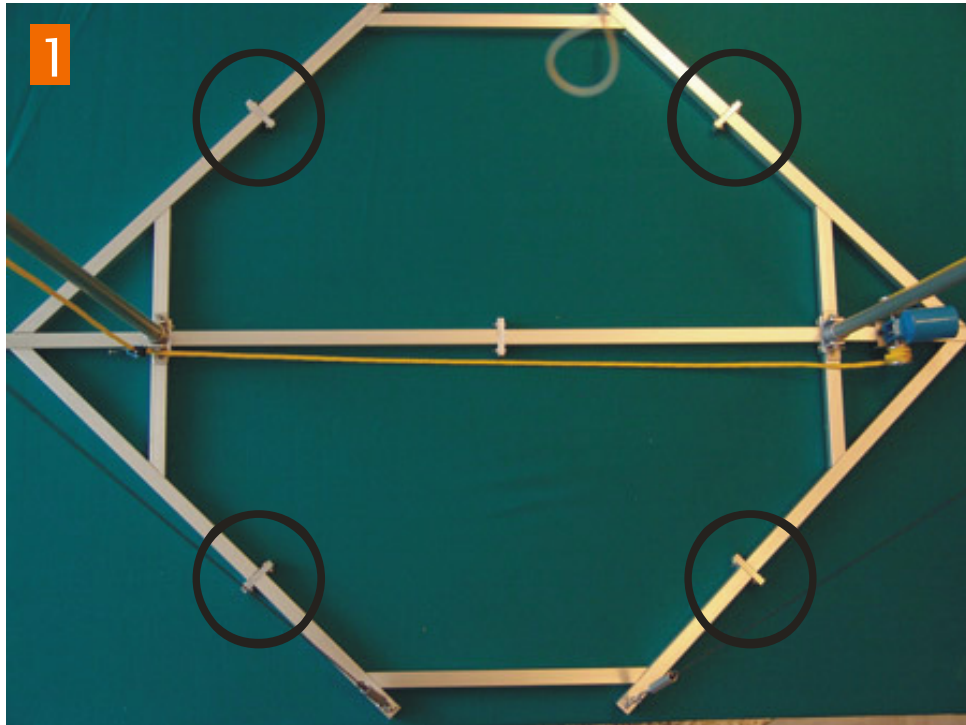
- The jumper should hold onto the elastics at all times, using them for support and stability.
- While holding onto the elastics, the jumper should pull on the elastics, using their muscles to increase their height and momentum.
- The jumpers need to feel and go with the bouncing motion, using the trampoline to boost themselves higher.

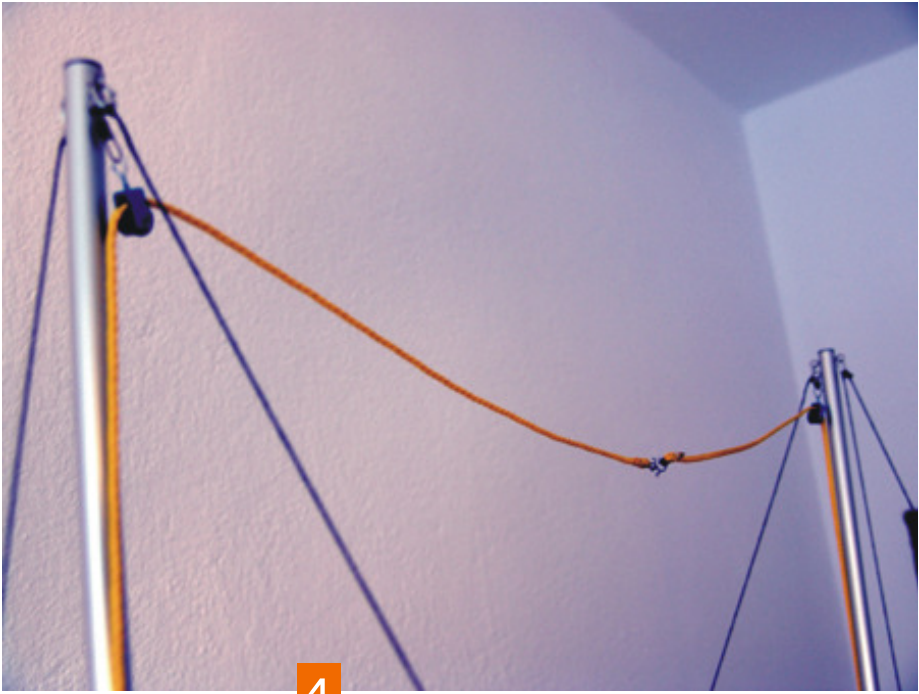
## Final tips

This guideline has been written to assist in the proper installation and operation of the BUNGEE TRAMPOLINE SYSTEM. Our company has tried in its best effort to address relative issues; however, there will additional information learned or situations that occur that we are unaware of at this time. Please, do not hesitate to call seven days a week with any technical question. Remember, there may be questions, issues and/or concerns that may arise through the use of this product that are not listed or addressed in this manual, please keep us informed.

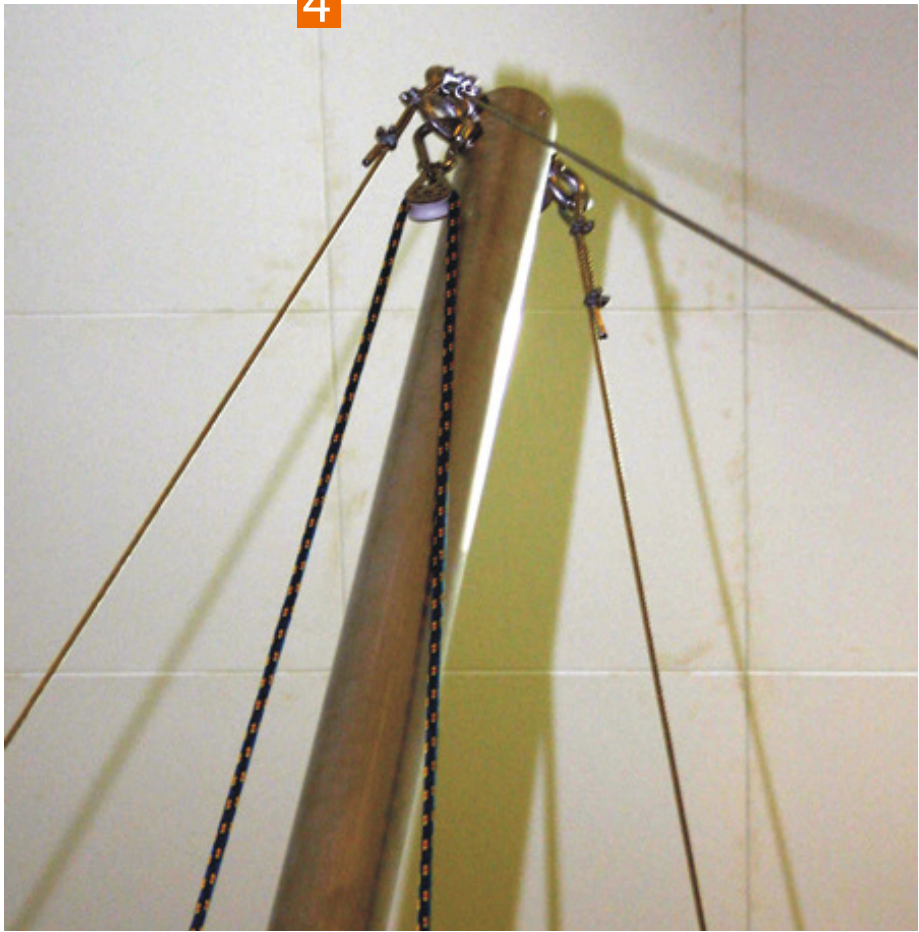
REMEMBER:

JUMPERS PARTICIPATE AT THEIR OWN RISK.





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