



Climbstation Owners Manual

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1. INTRODUCTION

Thank you for purchasing ClimbStation™ climbing wall. You have made a good choice. We want you to get the maximum value from your purchase, and a successful cooperation for many years.

Please read this manual before operating the equipment. This ensures a secure and long-term use.

We have designed this product to be user-friendly, safe and reliable.

Intelligent user interface features enhance the climbing experience to the climber and spectators. We want to maintain our superiority, and therefore will keep up continuously develop the equipment together with the users.

Your feedback is always welcome - so we can improve and provide the high-quality products and services that you want and need.

Once again, thank you for your cooperation.

Sincerely,

Kaarle Vanamo
Inventor, CEO

Joyride Games Oy

2. USE OF CLIMBSTATION

ClimbStation has been developed in order to enable convenient practice of real climbing. ClimbStation is excellent sport equipment for beginners to professional climbers demands to train climbing skills, endurance, and confidence and keep in a good shape.

It does not require lengthy training, instructors, or special safety equipment such as traditional climbing requires.

3. SAFETY REGULATIONS

As in all sports, climbing with any equipment or surroundings has its risks. Please read all warnings and always climb cautiously.

This product exceeds machinery directive standards 98/37/EY and international regulations EMC directive 2004/108/EY and 2006/95/EY demands.

On manufacturing we have followed Machinery directive standards and marked it with CE:

SFS-EN ISO 12100-1 SFS-EN ISO 12100-2 SFS-EN ISO 13857 SFS-EN 349

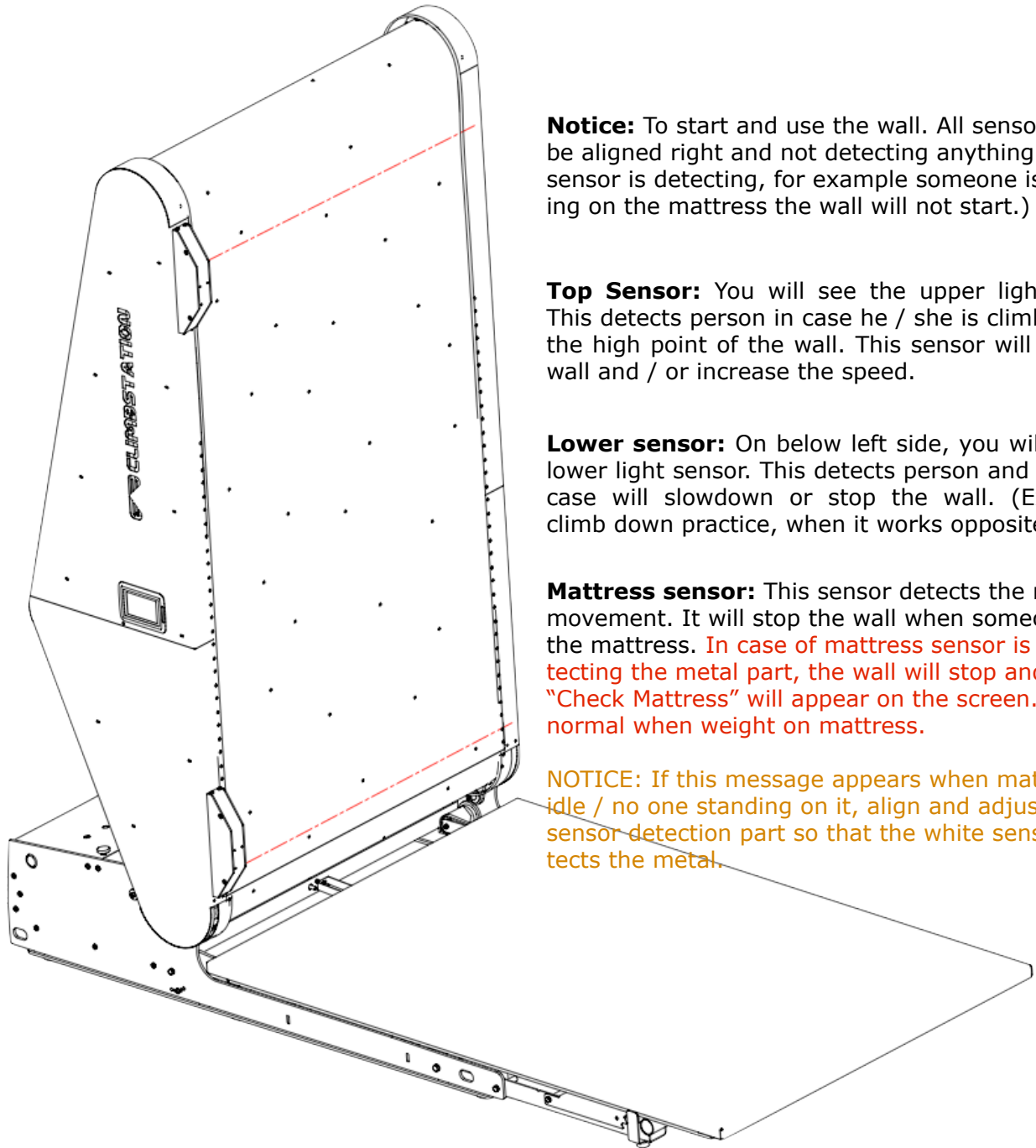
SFS-EN ISO 13850 SFS-EN ISO 10218-1 SFS-EN 60204-1 SFS-EN ISO 13849-1 SFS-EN ISO 14121-1 SFS-EN 1037

- MD, Machinery Directive, Standard EN ISO 12100
- EMC, Electro Magnetic Compatibility, directive



4. PRODUCT DESCRIPTION

ClimbStation automated Climbing Wall



Notice: To start and use the wall. All sensors must be aligned right and not detecting anything. (If any sensor is detecting, for example someone is standing on the mattress the wall will not start.)

Top Sensor: You will see the upper light sensor. This detects person in case he / she is climbing near the high point of the wall. This sensor will start the wall and / or increase the speed.

Lower sensor: On below left side, you will see the lower light sensor. This detects person and in such a case will slowdown or stop the wall. (Except on climb down practice, when it works opposite way.)

Mattress sensor: This sensor detects the mattress movement. It will stop the wall when someone is on the mattress. **In case of mattress sensor is not detecting the metal part, the wall will stop and a sign "Check Mattress" will appear on the screen. This is normal when weight on mattress.**

NOTICE: If this message appears when mattress is idle / no one standing on it, align and adjust the sensor detection part so that the white sensor detects the metal.

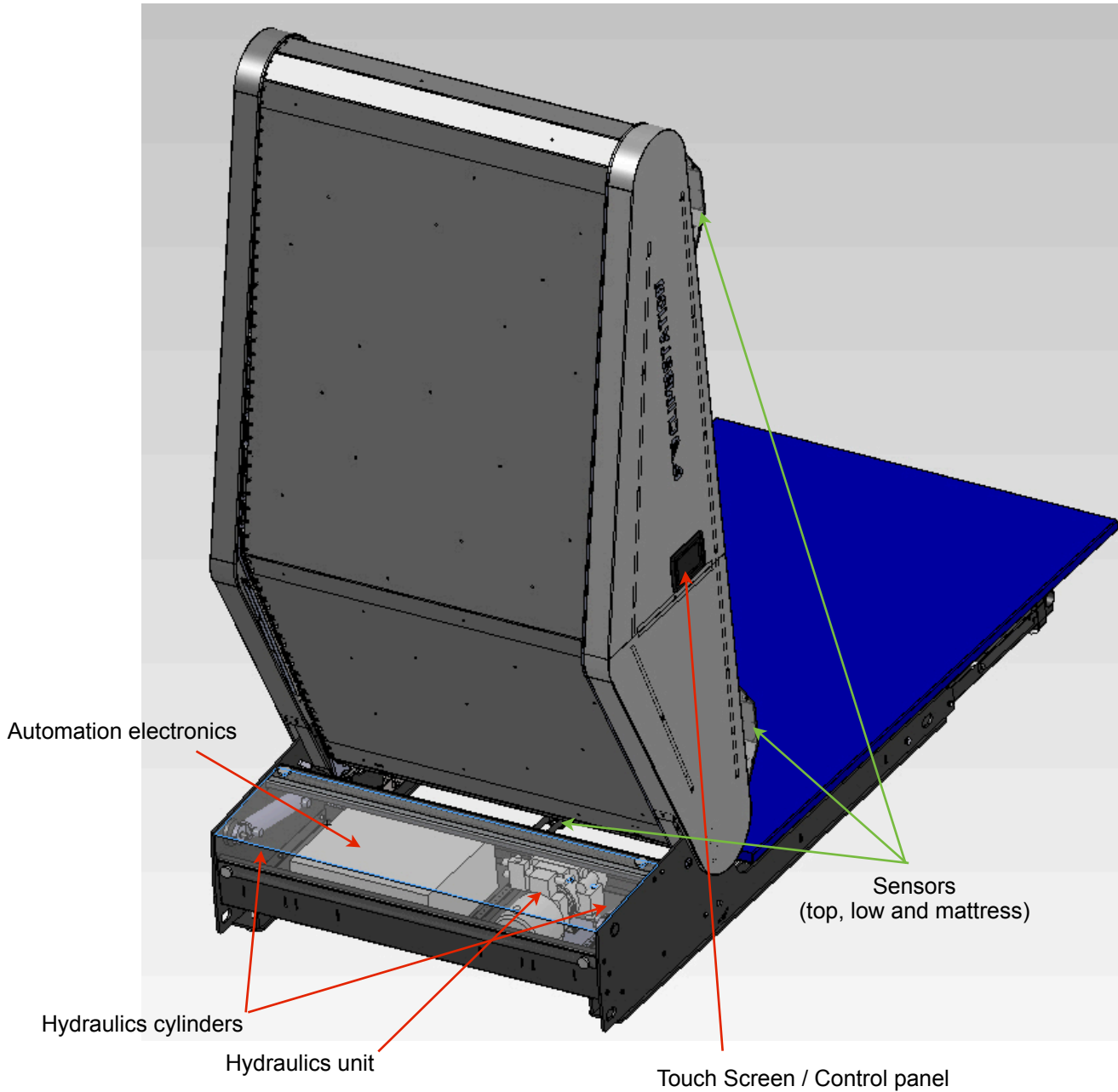
WARNING: Never climb on top of the Wall, Keep fingers away from edges.

DO NOT CLIMB OR BE ON THE OTHER SIDE OF THE WALL.

Read and understand all warnings (on page 7.) before usage!

4. 1. HYDRAULICS SYSTEM AND OTHER ELECTRONICS

Using two powerful hydraulic cylinders and a hydraulics unit that generates the pressure for the cylinders and tilts the wall has made the tilting mechanism. Most electronic components, including hydraulics generator is located on the back of the wall, under a protective cover. **Only authorized service person is allowed to service this unit in case of malfunction.**



5. IMPORTANT WARNINGS

The owner must ensure that these warnings are complied with the device during use.

- Make sure that a person who is familiar with the product instructions will guide first-time users in the usage of the device personally.
- This device is not recommended for children under 120 cm (4 feet) in length. Children should always be monitored and guided by a parent or an adult who is responsible of sitting.
- Ensure that the safety mattress is empty during the climb. If the mattress has weight, objects or people, the device may not start
- Climbing is allowed only on the climbing surface on front side where the mattress is. Climbing is strictly prohibited on the back-side and can cause serious injury or death if fooling around on wrong place that is not monitored or protected with soft mattress.
- Climb vertically in the middle of the climbing surface. Avoid fingers getting to the edges of the climbing belt.
- Climbing holds can be changed, added and removed by following instructions:
- Use only handholds that fit the wall and are meeting the requirements by Joyride Games Ltd. Finland. As too big or wrong shape of handhold will cause a serious risk of injury, when the wall is rotating.
- Before changing handholds. Contact dealer to get updated information and personal guidance.
- If for some reason climbing hold has been rotating, or is loose, it may leave a gap between the handhold and climbing surface and therefore fingers might go under and cause a serious injury to fingers. This risk is potential if the handhold is loose / you are climbing on the rotation point on top of the wall.

5. 1. OTHER WARNINGS

- Keep the near by surrounding clear of obstacles as when climbing is exhausting sport, so that you will not hurt yourself on sharp edges etc.
- Climbing is always done with your own risk

WARNING! Read and follow these instructions as they may save you from injury or death.

6. PRE-INSTALLATION REQUIREMENTS

Please install the wall on safe location, that is:

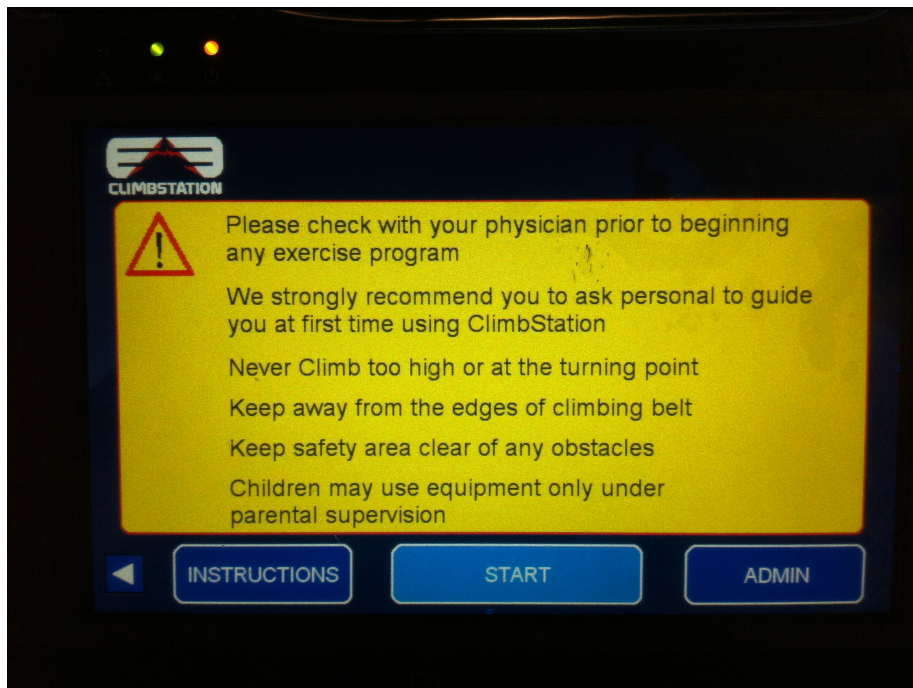
- This device is to be installed indoors only.
- The installation site should have the floor horizontally level.

The device is equipped with mounting feet (6 – 8 pcs). The load is maximum 500 kg per foot. Installing adjustable plates that are positioned under the unit can reduce the floor surface load.

WARNING! Operation is only permitted when the device is on safe, level surface that can carry the weight of the climbing wall.

6. 1.SAFE ENVIRONMENT TO OPERATE

- Have a solid area that can handle the weight of the wall and climber. (1000 kg)
- No object close to the unit. Especially sharp edges or slippery surfaces. No running near ClimbStation.
- A minimum space of 2m X 4m and ceiling height of 3,5m.
- We recommend a minimum of 1 meter (3-4 ft.) safety gap between any other equipment and the climbstation.
- At the immediate surrounding, we recommend to have soft materials, such as carpet or thin mattresses. Not supplied with the ClimbStation.



User Interface shows the general safety warnings.

USER INTERFACE

7. START

Power the unit with 230 V / 10 A

Wait for the wall prepare: Press Start button to get started. (You may need to reset the emergency button by lifting the red knob and pressing illuminated button first.)



This is the main screen menu. Here you can choose EASY, MEDIUM and HARD difficulty levels and ADVANCED OPTIONS.

ClimbStation has 4 pre-programmed challenges on each difficulty level, therefore by pressing easy, you have 1-4 tracks to choose from. 1 is the easiest while number 4 is the hardest on this level. The most challenging level is 12. 1-4 levels are good for warm up and lower body exercise, while 5-12 are challenging full body and upper body exercises.

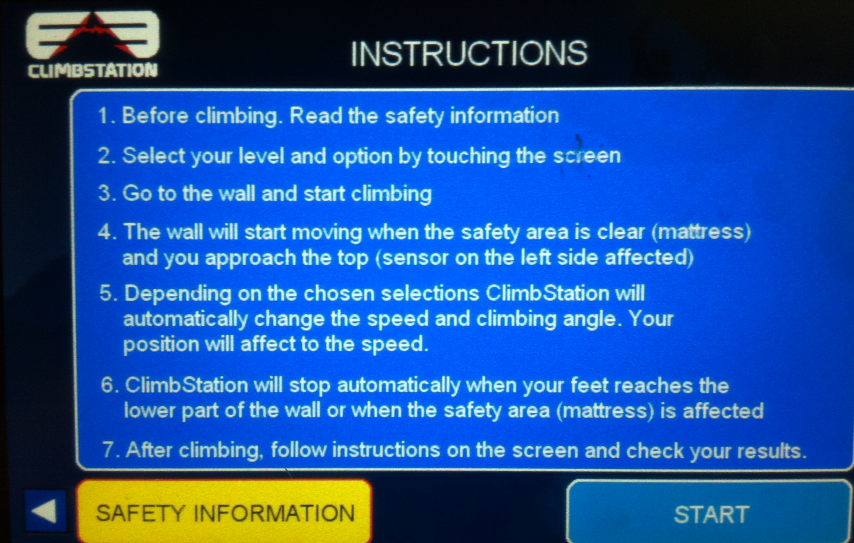
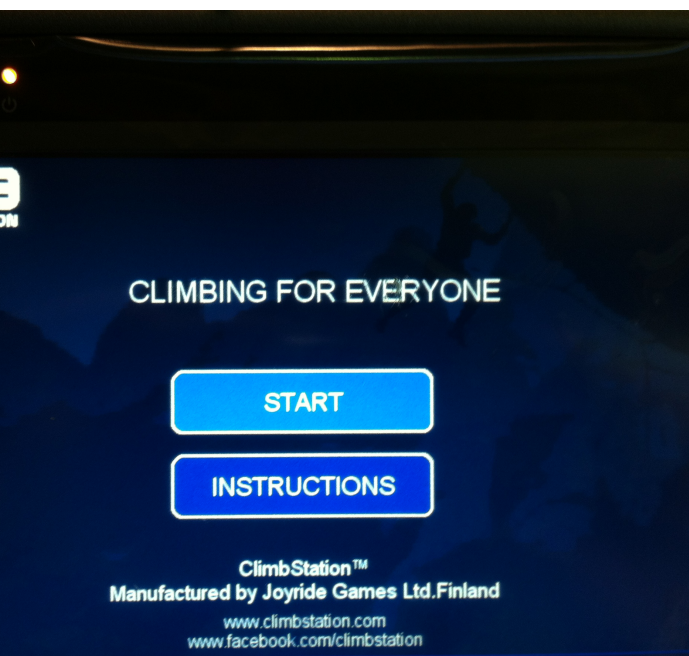
8. HOW TO USE THE EQUIPMENT

By pressing the info button you will find manufacturer information and general instructions and safety warnings. The wall will guide you during the selections and you can always return to the main menu by pressing a start button.

using ClimbStation is simple: Choose between EASY, MEDIUM, or Hard -- then 1-4 terrains, The wall will prepare and tell you move to wall. The climbing starts automatically when you are on right height. On advanced options you can fine adjust time, distance, average speed, scale and if you want the tract to loop or jump to next level automatically.

If you fell, you have 60 seconds time to continue, or you may stop, try again from start or choose another program.

Climbing is very powerful sport and will increase your overall endurance fast. As a default the recommended climbing time per each practice is 3 minutes, after climbing more you may increase this setting on advanced options. To get results a good climbing challenge is: 3 min Easy / warm up, then 3 min Medium Exercise and then 3 min Hard, Extreme exercise.



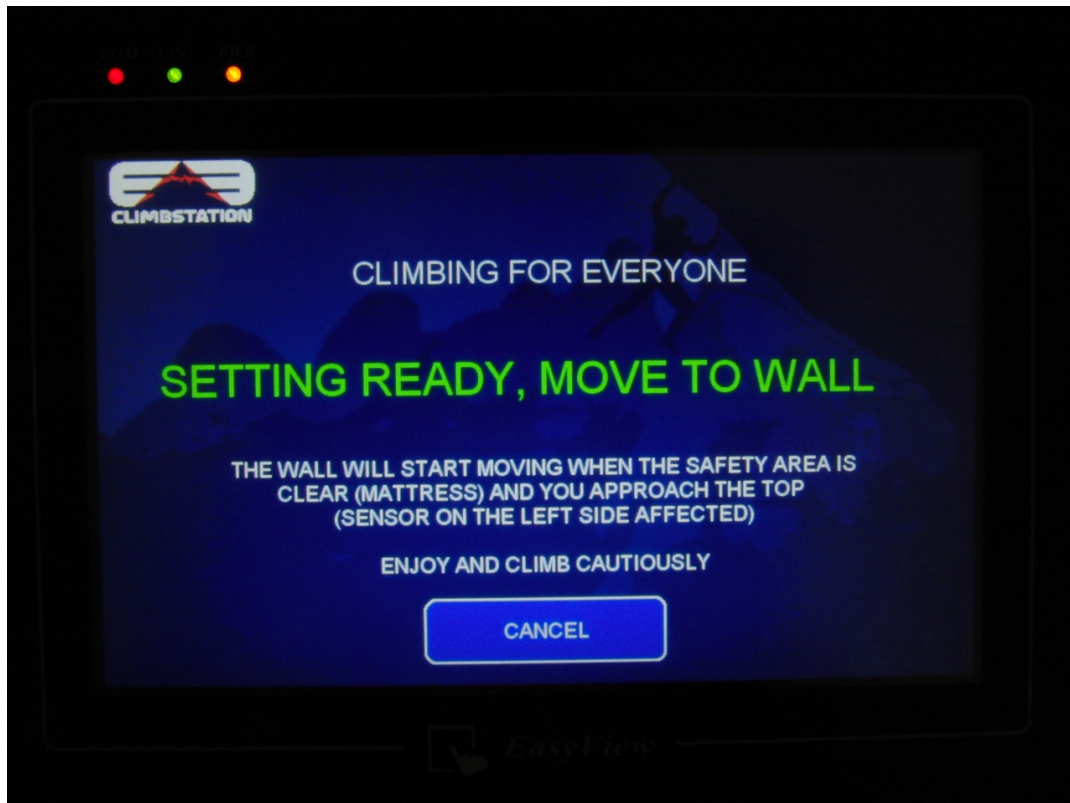
8. 1. START

Select any of the 12 pre-set tracks, or manual climbing under the advanced options.

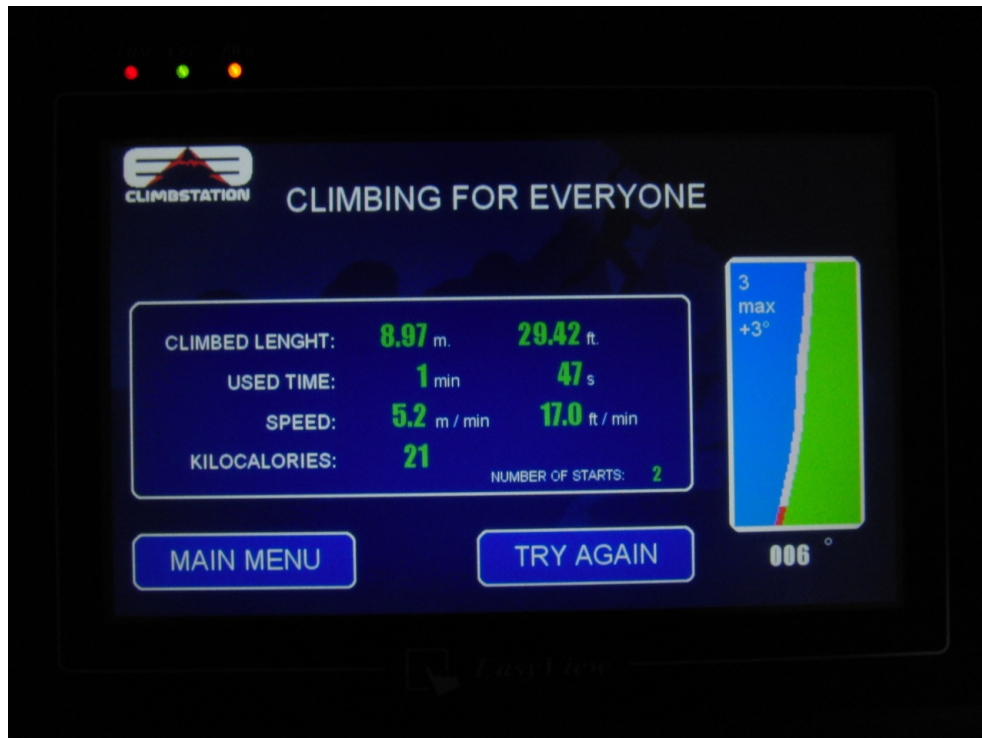
Move to the wall and start climbing when "**Setting ready, move to wall** appears".

The wall will automatically start after selections made and when all sensors are ok. **The wall will start automatically, when you are reaching the right height. (sensor on right detects you on the wall and mattress area is cleared)**

You may always cancel your program and go back to the main menu, by pressing the CANCEL button.

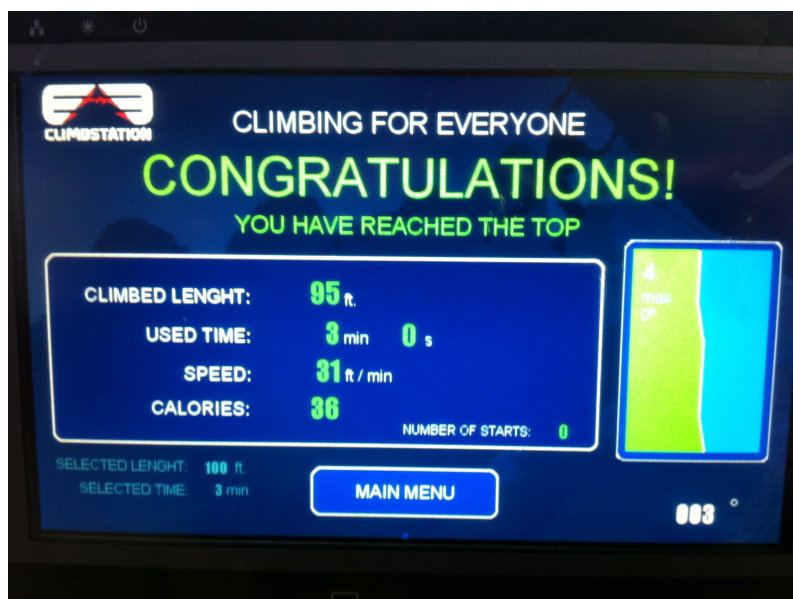


DURING / AFTER CLIMBING



During climbing, your results will be displayed on the screen. You may check these after climbing.

If you fell or come to the mattress the wall stops, you may get back to the wall and continue in 60 seconds time, after 60 sec. you will need to **Try again** from start or choose back to the **main menu**. When you reach your challenge (time or distance) a congratulations screen will appear.

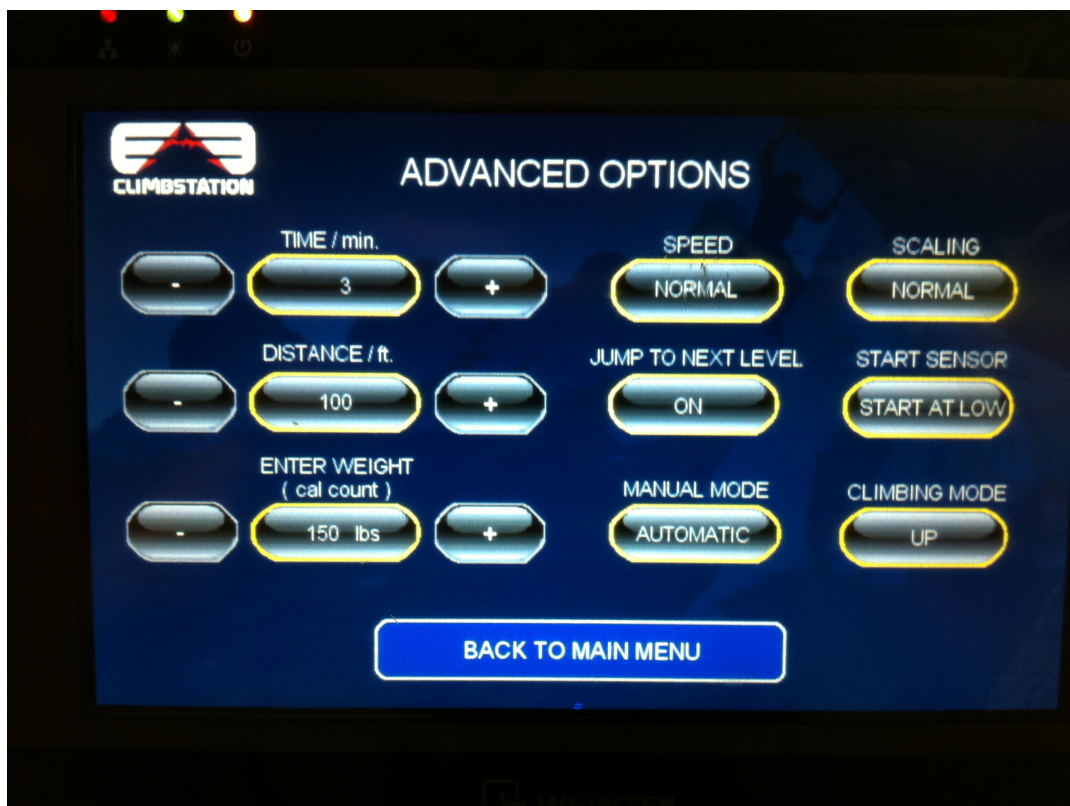


8. 2. ADVANCED OPTIONS

With Advanced Options, you may fine tune selections, such as select the **time** or **distance** to be climbed, or if you wish to try **climbing mode**, climb up or down!, make the **average speed** slower or faster, or if you wish the wall to **jump to next level** automatically, which means that the terrain will come harder and harder after a while (depending on the **scale**, which can also be changed) When short scale the terrain changes faster, meaning the wall is tilting and changing angle more often, than on long scale. If jump to next level is not selected the terrain will “loop” based on the selected level and terrain.

You may also add you weight, so the display can calculate your used calories consumption based on your weight, climbing length and time.

During climbing session, spectators may view the screen and see your progress. The program will continue as long as the selected time or distance is passed or the wall will continue as long as you want and stop in case you are coming to the mattress. **Manual mode** enables constant angle and manual rotation. Manual rotation is designed for the personal trainer / instructor usage. To rotate the wall manually, you will need to press the rotation direction button constantly, this is due safety reasons, as the manual rotation mode is disabling automations and safety sensors. This feature is ideal, when in some situations a trainer needs to stand on the mattress while someone is climbing. You can also choose if you wish the wall to start from the lower light sensor or from the top.



9. MAINTENANCE

9. 1.CLEANING

9. 1.1. SURFACES

Clean the climbing surface with a soft brush and mild cleaning fluid. Test it first on a small portion of the surface for any reaction. Especially printed canvas should be cleaned cautiously to avoid removal of the image.

INSIDE

In case of a squeaky noise coming from top or below (from the rotating nylon wheels). This is caused by a dirt between the rotation wheels and aluminums. Clean the aluminums and the nylon wheels and use a teflon spray on the wheels. You will need to open the side covers. Before opening side covers and doing this procedure, contact the Climbstation manufacturer for detailed info.

9. 1.2. HANDHOLDS

The easiest way to clean the handholds is to use grease removal cleaning fluid and a brush. In some cases a norman dishwasher is the easiest way to clean the grease and dirt.

After heavy usage of the wall, the handholds should be replaced to new ones. We recommend of changing new handhold depending on the usage, every six months but at least once a year.

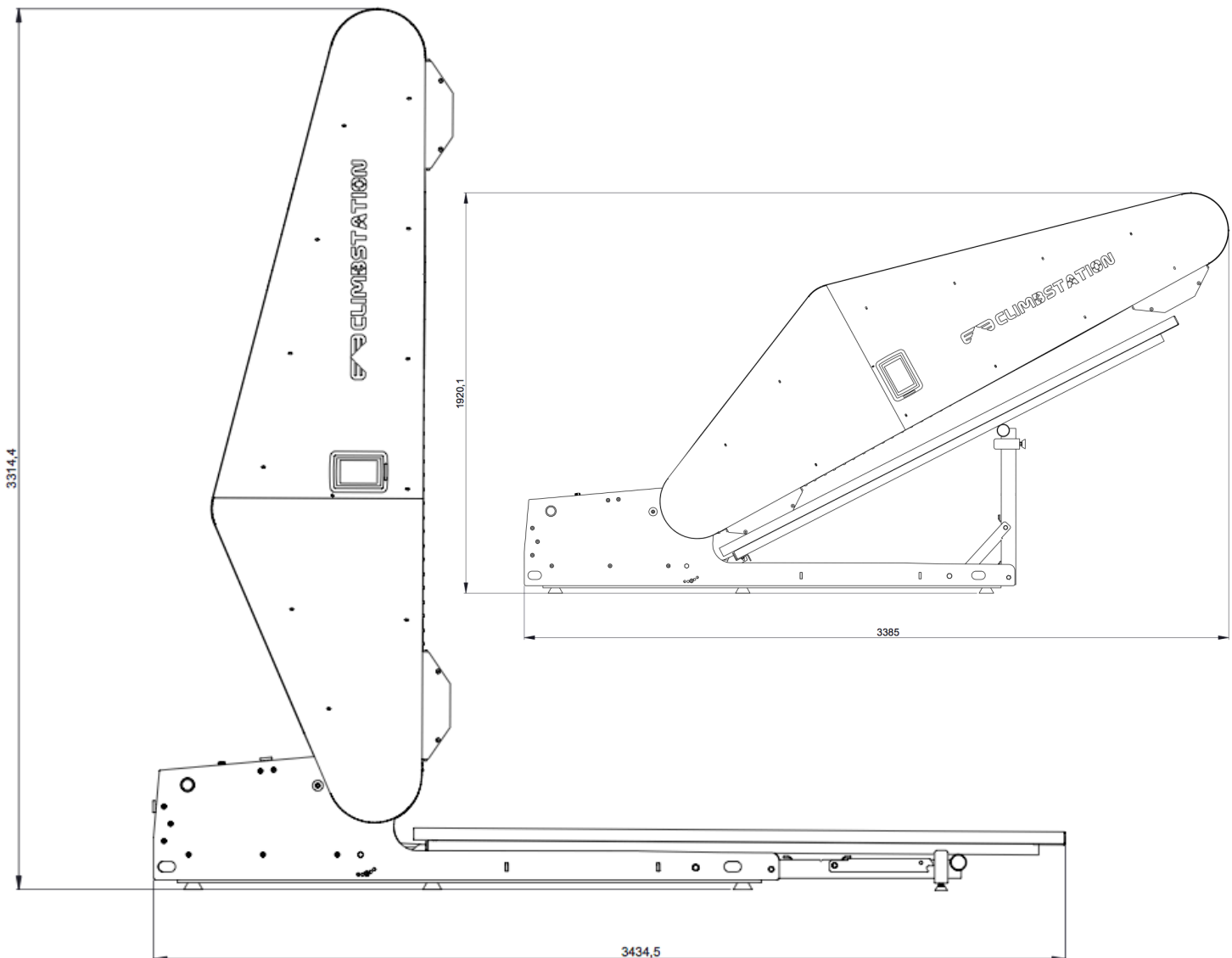
9. 2.CONDITION CHECK

In case of trouble:

1. **Go to the touch screen owner menu** By entering first to instructions – then safety information – then admin – enter password – 76 – enter. Now you can see a status monitor and check hydraulics , engine and all sensors electric status. There should not be any red or failure notices. In case of failure. Contact your dealer.
2. **Check sensors alignment** In case something has touched a sensor, it may have moved or positioned wrongly and may cause malfunction which appears usually that the wall can not be operated, it will not move.
3. **In case of noise coming from the wall** If possible, locate the noise and contact your dealer for service. Noise maybe caused by dirt inside the unit, bearing or un-calibrated climbing belt tension or a broken part.

10. TECHNICAL SPECIFICATION

Dimensions in shipping condition:	2 x 1,8 x 3,5 m	(height x width x length)
Angle radius:	+14 - - 45 degrees	
Weight:	920 kg	
ClimbStation size:	3,4 m height x 1,7 m width x 3,5m length	
Recommended floor area:	4m height x 2m width x 5m length	
Climbing belt dimensions:	1,5m wide x 6,5m	(width x length)
Highest climbing speed:	17m per minute	
Number of handholds:	90 pcs.	
Power source:	230V / 10A (can be made to USA 110 V on request)	



11. WARRANTY

Quality, Warranties and Liabilities

The Products have *[two (2) year]* warranty from the date of Supplier's delivery.

In the event of any breach of the Supplier's warranty (whether by reason of defective materials, production faults or otherwise) the Supplier's liability shall be limited to replacement or repair of the Product at its own expense in Finland.

The Supplier will not be liable towards the customer for any consequential loss or damage arising out of or in connection with any act or omission of the Supplier relating to the manufacture or supply of the Products, their resale by the Distributor or their use by any customer.

The Supplier will not be responsible for misuse of the Products against user's manual, safety regulations or installation instructions.

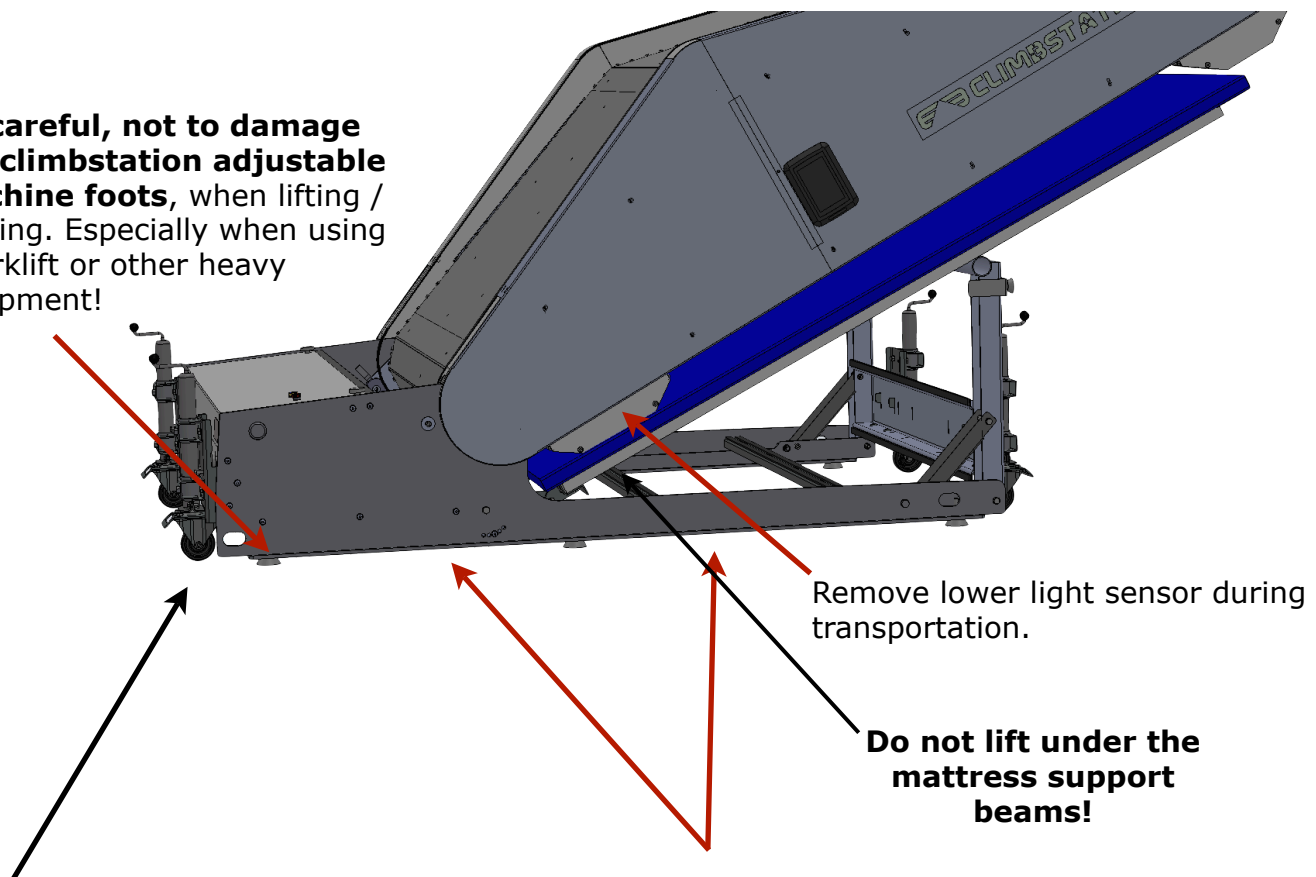
All claims concerning the Products or claims concerning incoming quality shall be submitted to the Supplier within four (4) weeks from delivery. Such claim shall be submitted in writing and state the number of invoice, number of delivery order, model and serial numbers and the nature of defects.

Should official testing and/or approval of Products be required in the Territory such procedure shall be conducted in the name of and on account of the Distributor or Customer in case area does not have a Distributor. All reports and certificates relevant to such procedure shall be forwarded to the Supplier.

12. MOBILITY / TRANSPORTATION

1. Remove and store the lower light sensor during transportation.
2. Lift the mattress up, raise and lock the mattress support frame up with two bolts.
3. Install front and back wheels / lifting mechanisms.
4. To increase clearance you may need to remove the adjustable feet.
5. Go to Admin panel: Instructions -- Safety Information -- Admin -- enter password- Password is: **76**, then enter - Admin login, press sensors off, tilt the wall to its maximum. **Only in Admin panel you can tilt the hydraulics to its max and bypass all sensors, here you can also check the unit status.**
6. If you need to install ClimbStation into smaller parts. Contact manufacturer.

Be careful, not to damage the climbstation adjustable machine feet, when lifting / moving. Especially when using a forklift or other heavy equipment!



On even / flat surface you may use the wheels for moving the wall to its final destination. Manually push the unit gently.

Lift under here: With fork lifter and long spikes. (min. 1677mm / 5,5 feet) Watch for the balance.

Before lifting: It is recommended to attach the lifting spikes to the frame, with rope or transportation leash to keep it steady and avoid dropping.
Weight: 920 kg.

When ClimbStation is on its designated place.

- ~ Carefully remove all wheels first
- ~ Check that the wall is level on foots. If not, adjust machine foots.
- ~ Remove lifting systems
- ~ Lower the mattress support and align mattress on top of the lower frame
- ~ Check the ***mattress sensor alignment***. Align the sensor properly! The bolt / metal piece should be located very close to the white sensor tip, when mattress is idle / no weight on.
- ~ It may be that the ***lower light sensor*** is being removed due the long freight, use normal tools and attach lower light sensor to its place.
- ~ Power on the machine. Notice: ClimbStation works with 230V / 10 A electricity. **In USA, you will need to convert the power.**
- ~ Wait for the wall electronics downloads, then check the safety switch (red knob) that it is not pressed down, If it is. lift it and press the button near the safety switch.
- ~ Be sure the surroundings are clear of any obstacles and the wall will have enough space for normal movement.
- ~ Choose any track, Wait for the wall to prepare it for starting position.
- ~ Climbstation is now ready for climbing. More info on the owner manual about the features.

