

**EXCITE, ENGAGING CARDIO**

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# CLIMB

User manual



**The Wellness Company**

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# Important safety instruction

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You should always consult with a qualified and licensed medical professional or healthcare practitioner before starting any nutritional, diet, stretching or exercise program. You are advised to investigate and inform yourself about any health related actions and choices you make.

Please read all instructions before using the equipment. These instructions were written to ensure your safety and to protect the unit.

When using an electrical appliance, basic precautions should be always followed, including the following.



## **DANGER**

**To reduce the risk of electric shock, always unplug the unit from the electrical outlet immediately after using and before cleaning or performing any maintenance tasks.**



## **WARNING**

**To reduce the risk of burns, fire, electric shock or injury to person, take the following precautions.**

The equipment should never be left unattended when plugged in. Unplug from outlet when not in use, before cleaning it, and before putting on or taking off electrical parts.

Do not allow unsupervised children close to the equipment.

Close supervision by qualified personnel is necessary when the equipment is used by or near children, invalids or disabled persons.

Use the equipment only for its intended use as described in the user manual. Only perform the exercises for which the equipment has been designed, following the instructions given in the manual. Any other use is to be considered improper and therefore dangerous.

Do not use attachments not recommended by Technogym.

Never operate the equipment if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. In this case, contact the Technogym Technical Support service.

Do not carry the equipment by supply cord or use cord as handle.

## Important safety instruction

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Keep the cord away from heated surfaces.

Keep hands and feet away from moving parts.

Never drop or insert any object into any opening.

To disconnect, turn all controls to the off position, then remove plug from outlet.

## SAVE THESE INSTRUCTIONS



### **WARNINGS**

**Do not connect a device with load exceeding 7A.**

**Risk Of Electric Shock. Do Not Disconnect Under Load.**

**Do not connect to a circuit operating at more than 150V to Ground.**

# Personal safety

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Use of the equipment is subject to a medical examination in relation to the intended type of exercise, and compliance with the conditions of use laid down by the manufacturer.

Persons suffering from certain physical conditions may only use the equipment under the strict supervision of a specialist doctor.

If, during exercise, the message “HIGH HEART RATE” appears, your heart rate is too high and you should **slow down** the exercise.

Before starting an exercise, make sure **your position** on the equipment is correct, and be careful with any components that might constitute an obstruction.

Choose suitable exercises for your physical characteristics and state of health, starting out with light loads.

Do not overexert yourself or work to exhaustion. Incorrect or excessive exercise may cause serious physical harm or even death. If you feel any pain or abnormal symptoms, stop your workout immediately and consult your physician.

Wear proper exercise clothing and shoes during a workout, no loose clothing. Tie long hair back. Keep garments or towels away from moving parts.

During use people must remain at a safe distance.

Do not use the equipment in presence of small children or pets.

The person in charge of the gym must explain to the users about proper and improper use of the equipment.

Completely assemble the equipment before using it. Check the equipment before each use. Do not continue to operate the equipment when it is not working properly.

Assemble and operate the equipment on a solid, level surface.

Keep all electrical components, such as the power cable and I/O switch, away from liquids to prevent shock.

Maintain the equipment in good working condition. If there are signs of wear, contact the Technogym Technical Support service.

Do not attempt to service the equipment yourself other than the maintenance instructions found in the user manual.

The installation, maintenance and setting must be done by qualified Technogym staff or persons authorised by Technogym.

The electrical system must conform to the standards and legal requirements in the country of use.

## Personal safety

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Do not set anything on the casing or control panel.

Technogym is not responsible for any damages due to any failures or damage caused by unauthorized service, misuse, accident, negligence, improper assembly or installation, debris resulting from any construction activities in the product's environment, rust or corrosion as a result of the product's location, alterations or modifications without Technogym's written authorization or for failure on your part to use, operate and maintain the products as set out in this User Manual.



### **WARNING**

**There are high voltages inside the equipment, therefore the guard must be removed by authorised personnel only.**

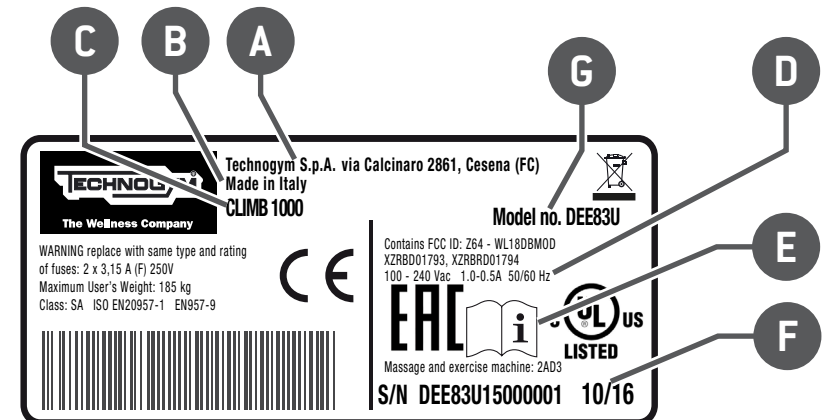
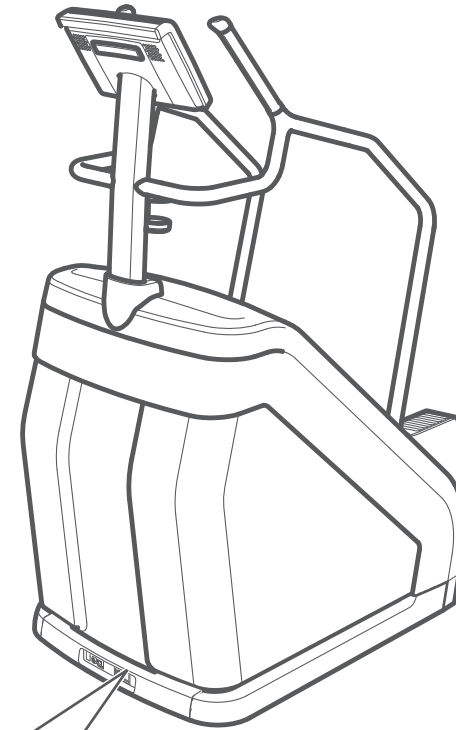
# Manufacturer and equipment identification

- A** - Manufacturer's name and address
- B** - Place of manufacture
- C** - Description of product
- D** - Electrical specifications
- E** - Tells you to consult the User manual
- F** - Serial number and date of manufacture
- G** - Product model

The Climb is a commercial device, designed for use in residential and professional environments. It is a class SA device, pursuant to ISO EN 20957-1. The precision class was measured at 106 spm, level 12 and step height of 20.6 cm.

Equipment marked with the code DEE83M... is intended for medical use and has been designed and manufactured for use in doctors' surgeries, hospitals, clinics and gyms, for muscle treatment and rehabilitation. These are class IA devices, pursuant to ISO EN 20957-1. They are not suitable for use in the presence of anaesthetic mixtures which are flammable in air, oxygen or nitrous oxide.

Products marked with the code DEE83M... can be used by or close to children, invalids, disabled persons or people with evident physical problems only under close supervision of a doctor or a qualified professional.



# Description of the equipment

**Control panel (A):** controls all available functions, from setting up workout programmes to viewing messages and related workout information. It also permits control of audio and video contents with USB and iPod devices and with compatible audio/video equipment (e.g. headphones). Please see the control panel's manual to see how it works.

**TGS input (B):** for the TGS or mywellness key (optional).

**Side hand grips (C):** for stability when getting on and off the equipment or if the user loses his/her balance.

**Hand sensor (D):** the metal plate sensors permit constant heart rate monitoring.

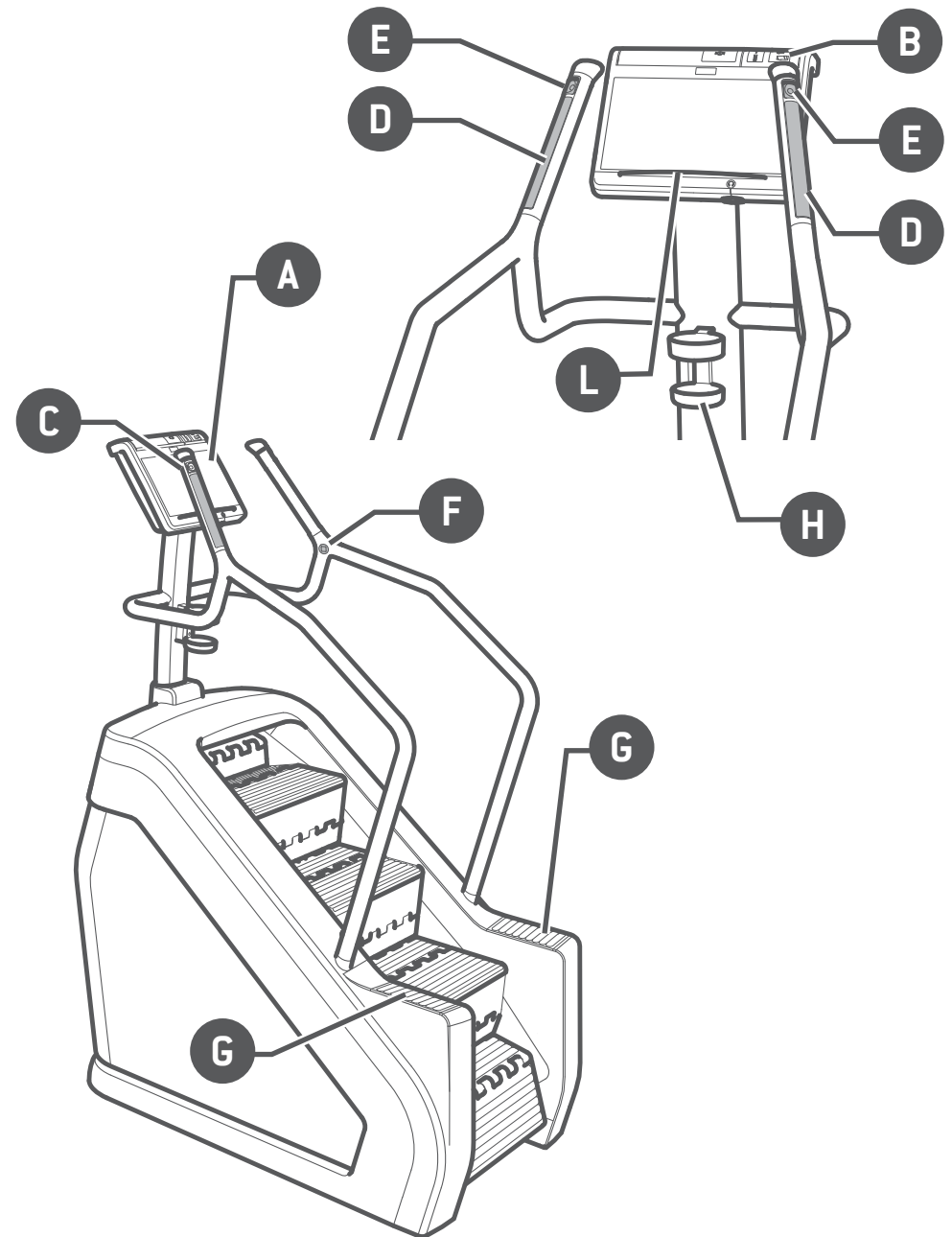
**Fast Track Control (E):** they allow users to change the effort level of the exercise without removing their hands from the levers, ensuring a correct and safe posture.

**Stop button (F):** present on the right handgrip, it allows you to stop movement without taking your hands off the levers.

**Footrests (G):** you can take a short rest by moving your feet onto the footrests, in the event of fatigue or danger.

**Tray (H):** for standing the water bottle on during the workout.

**Reading stand (L):** for standing magazines or books on.

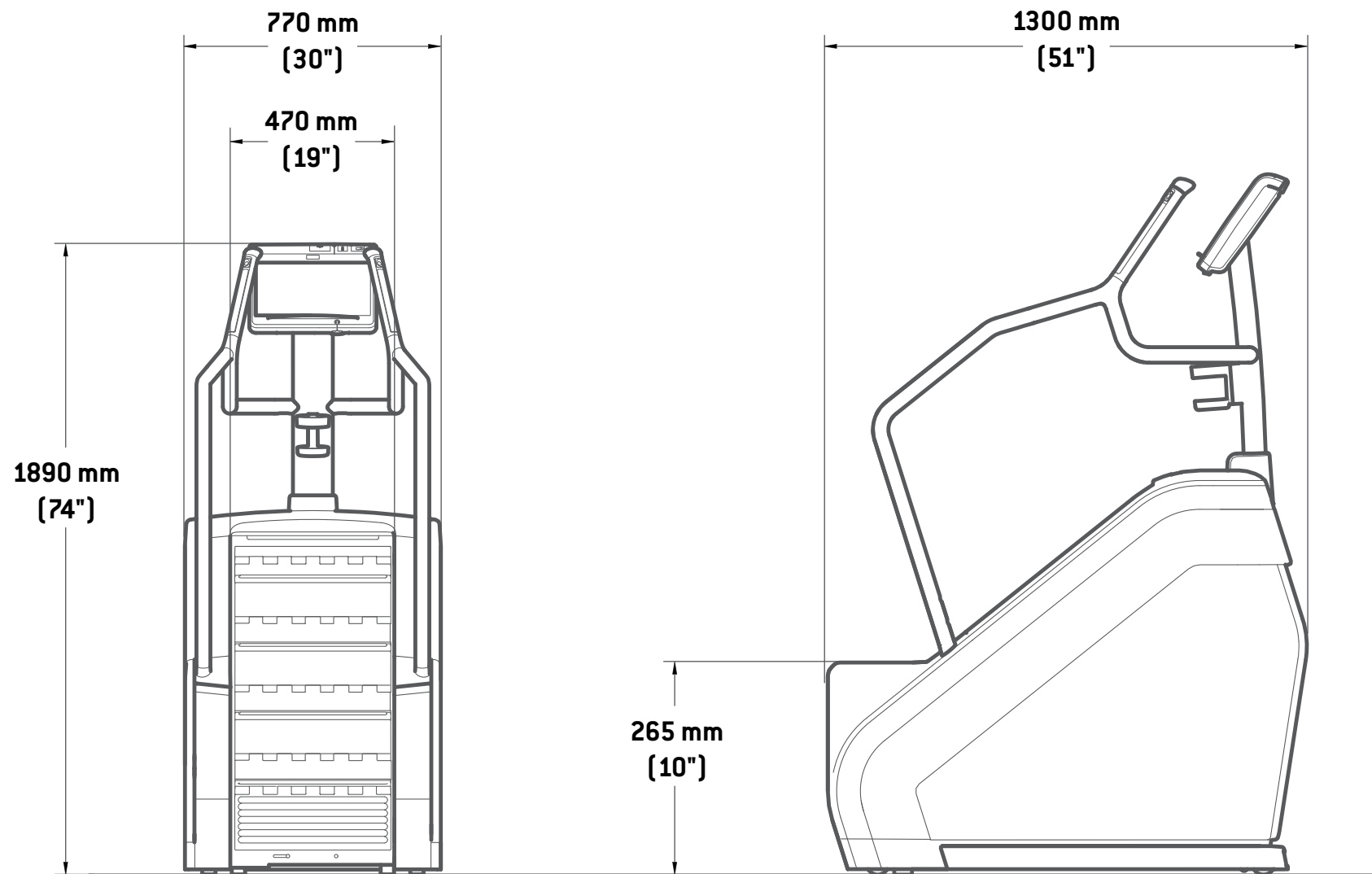




# Technical data

Model code	DEE8 ...
Power supply	100÷240 Vac 50/60 Hz
Mains power input	65 VA max { 160 VA max with Unity }
Fuses	2 x 3,15A (F)
Weight of equipment	190 kg { 418 lb }
Maximum user weight	180 kg { 397 lb }
Height of the user for which optimum usability is ensured	155 cm÷205 cm { 6"÷8" }
Time	0÷999 min ± 1%
Distance	0÷9999 floors ± 5%
Noise level	Less than 70 dB
Protection grade	IP 20
Operating temperature	from +10°C to +35°C
Maximum capacity of water bottle-holder	2 kg { 4 lb }
Electric isolation class	Class I

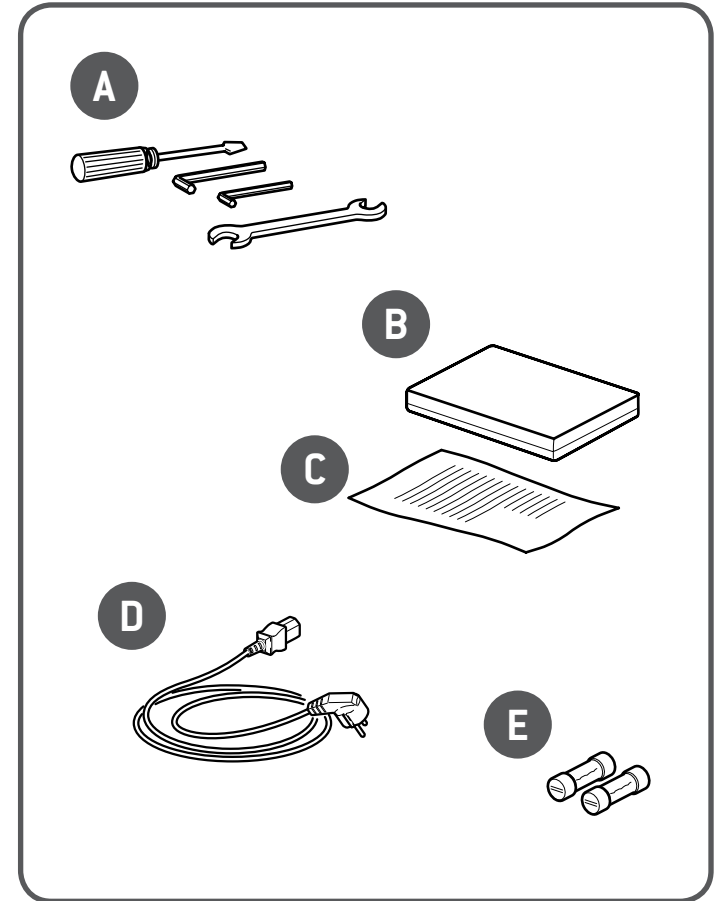
## Technical data



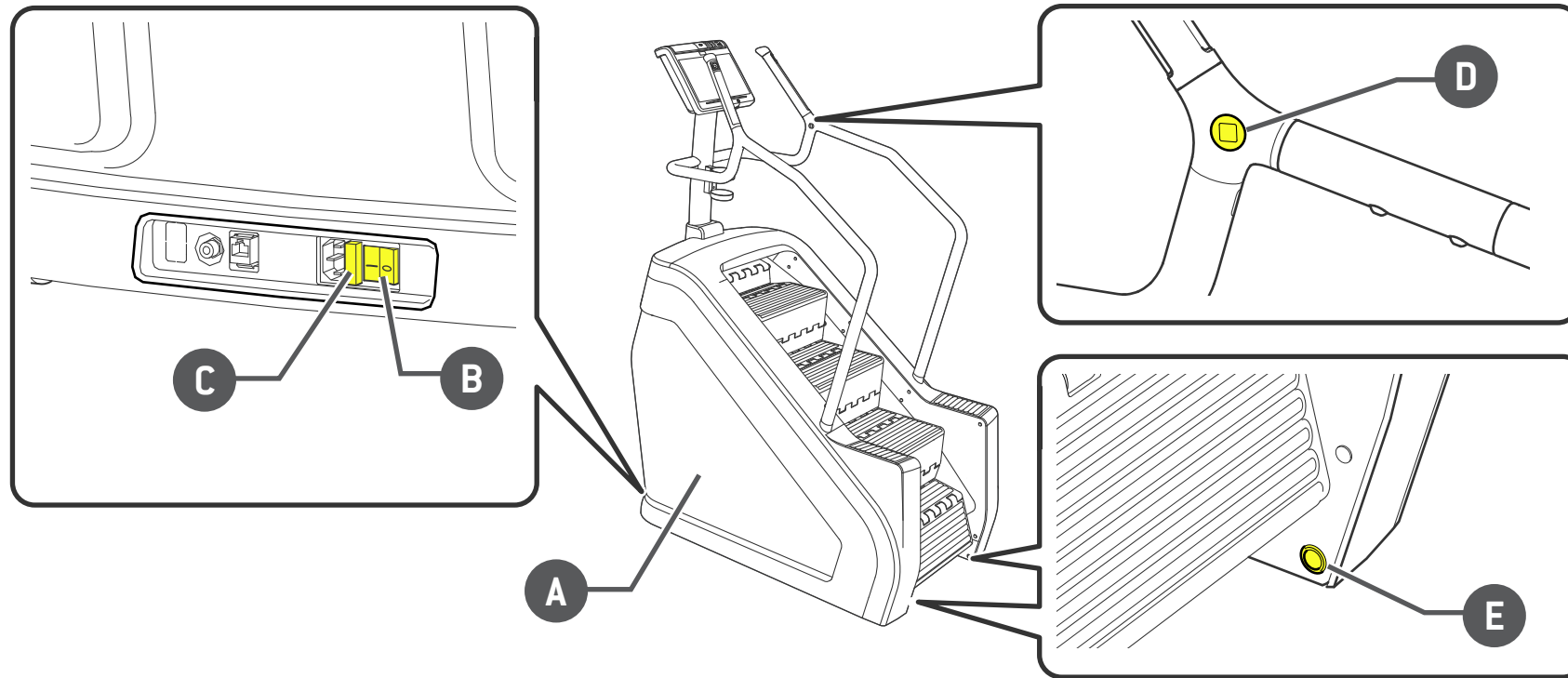
# Accessories

The equipment's standard outfit comprises:

- A** Set of wrenches
- B** User manual
- C** Warranty certificate
- D** CEE Power Supply cable with SH socket
- E** Two replacement fuses (2 x 3.15A (F))



# Safety devices and warnings



- A Fixed guard:** guards against access to the inside of the equipment.
- B Main switch:** turns the equipment's power on and off.
- C Fuses:** they protect the equipment's electrical parts. When the current reaches an excessive value, the fuses melt thus protecting the internal electronics.
- D Stop button:** this button allows you to stop movement of the steps without using the control panel.
- E Safety sensors:** located on the access side of the product. If the sensors detect a presence in this area, they lock the steps. To restart movement of the steps, press the START button on the control panel. The START button is active only when the sensor zone is not occupied.

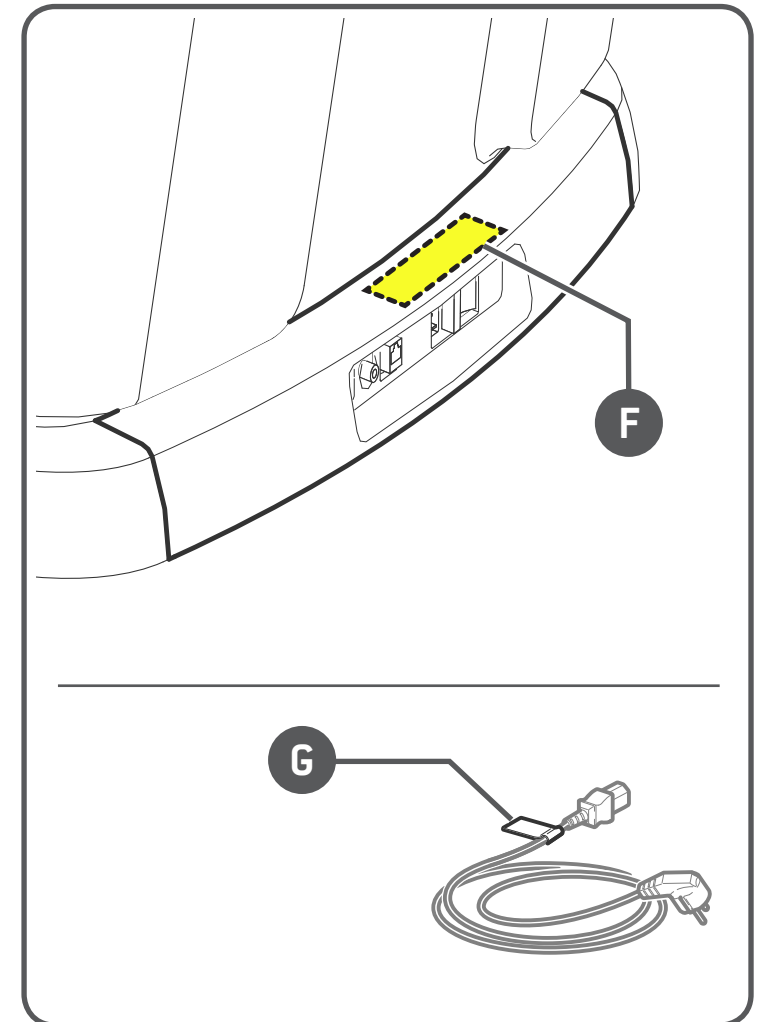
## Safety devices and warnings



### WARNING

Please read the adhesive labels on the equipment, which provide information about possible risks and hazards.

- F** The label near the main switch lists the equipment's electrical characteristics.
- G** The label which can be affixed to the power supply cable states the electrical specifications for the cable.



# Place of usage

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To ensure that exercising with the equipment is easy, safe and effective, the place where it is used should comply with certain specific requirements; in particular, before choosing the place where the equipment will be installed, please ensure that the following conditions are satisfied:

- the **temperature** is between +10°C and +25°C;
- enough air is circulating to keep **humidity** during exercise to between 20% and 90%;
- the **lighting** is good enough to make the area safe and relaxing place to exercise in;
- **free space** of at least 60 cm around the entire perimeter of each product;
- that the floor is flat, stable and vibration-free, and strong enough to bear the weight of the equipment plus user.

Do not expose the equipment to direct sunlight.

Do not use outdoors. Do not leave the equipment outdoors, exposed to the elements (rain, sun, wind, etc.). Do not expose the equipment to water jets.

Do not operate where aerosol (spray) products are being used or where oxygen is being administered.

Do not install the equipment in areas with high humidity levels, for example close to swimming pools, whirlpools or saunas.

The place of installation must comply with all the suitability requirements laid down in current legislation on this matter.

In order to guarantee the performance indicated by the manufacturer, you are advised against using the equipment in zones with high short-wave presence or similar.

# Moving the equipment

The equipment is fitted with two fixed wheels and two retractable wheels.

All four wheels are required when moving the equipment. Operate the screws (A) to lower the retractable wheels.

When you have finished moving the equipment, before using it again the retractable wheels must be raised again using the same screws (A).

Given the weight of the equipment, we recommend that more than one person be involved in lifting it.

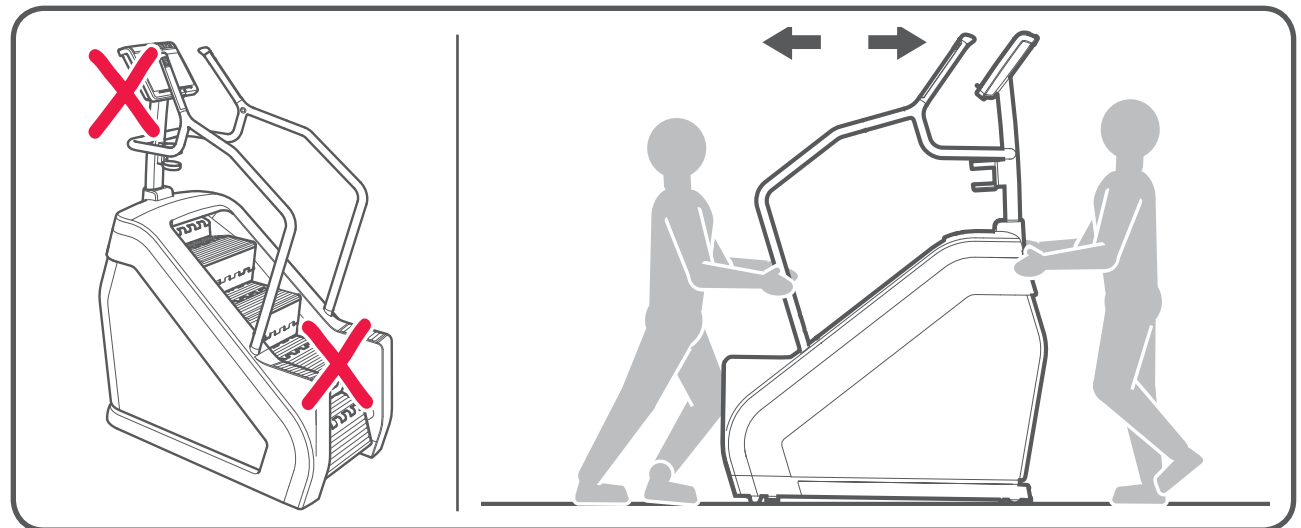
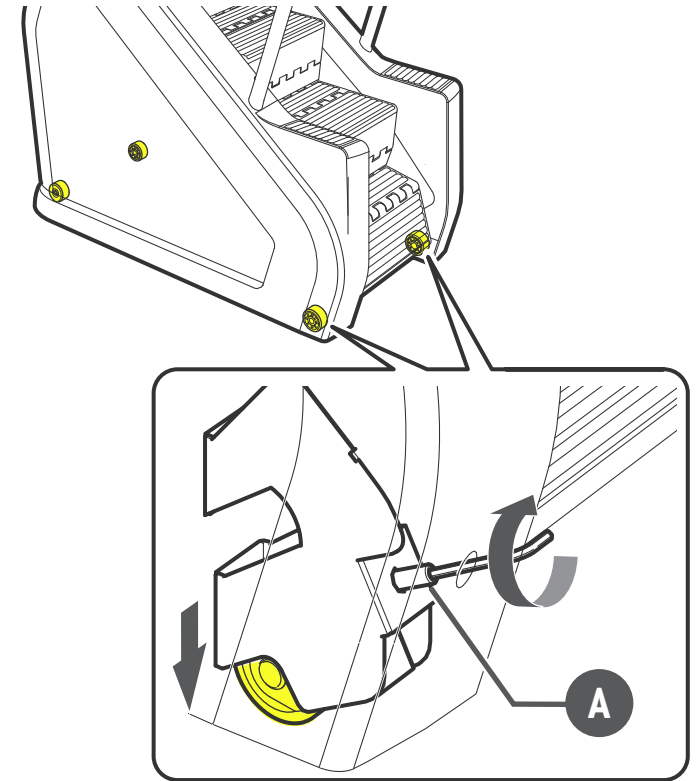
If wheels cannot be used on the floor, move the equipment with normal lifting and transport methods.



## WARNINGS

**Take great care when moving the equipment, as it may overbalance.**

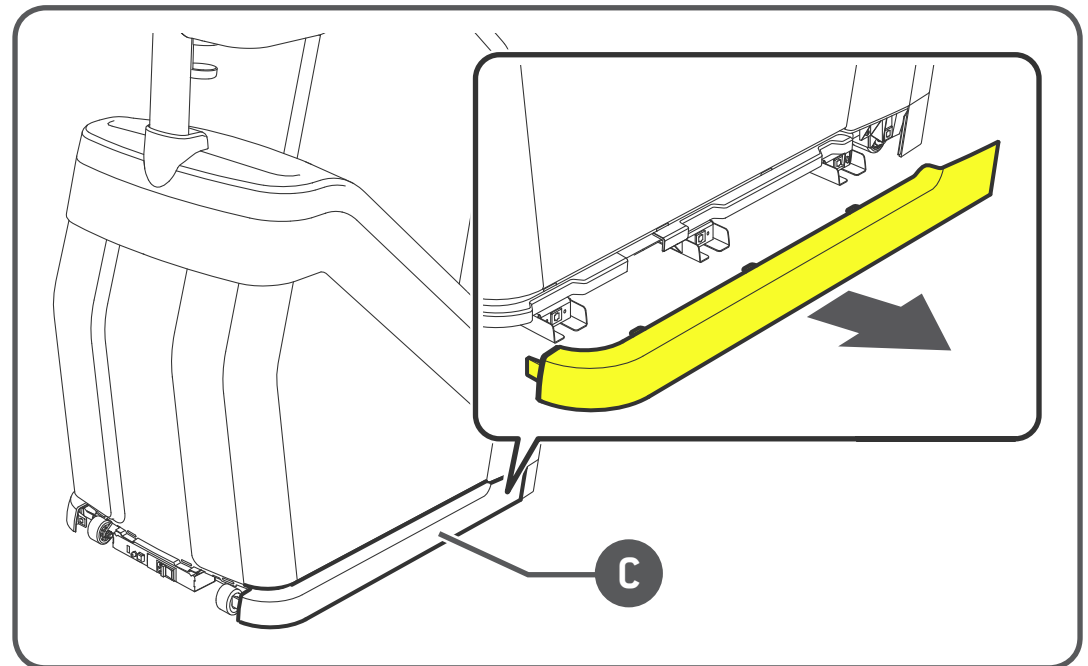
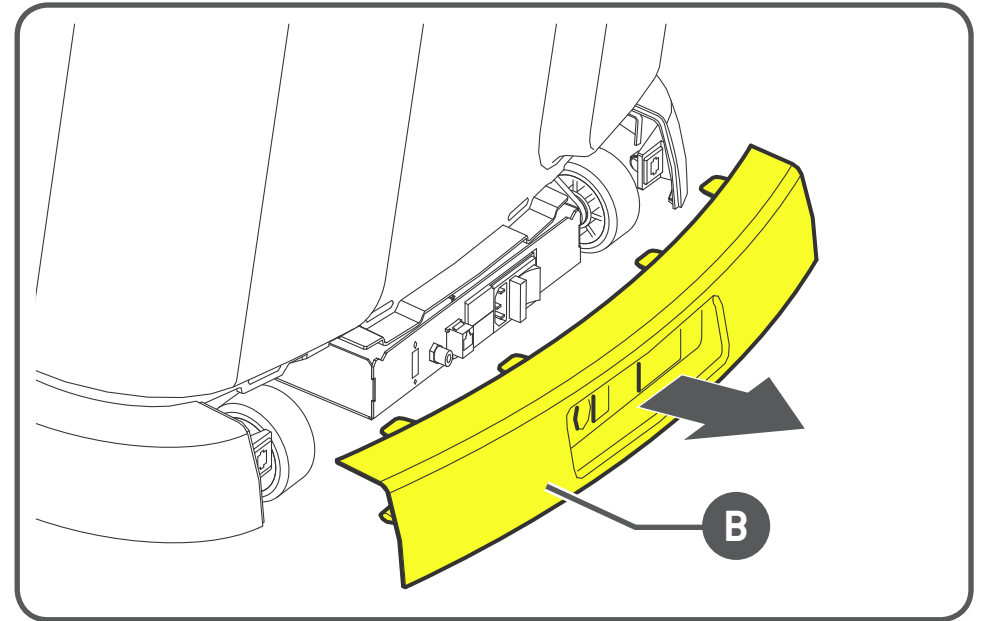
**Do not grip the steps or the control panel when lifting or moving the equipment.**



# Levelling

The equipment is levelled by adjusting the two fixed feet.

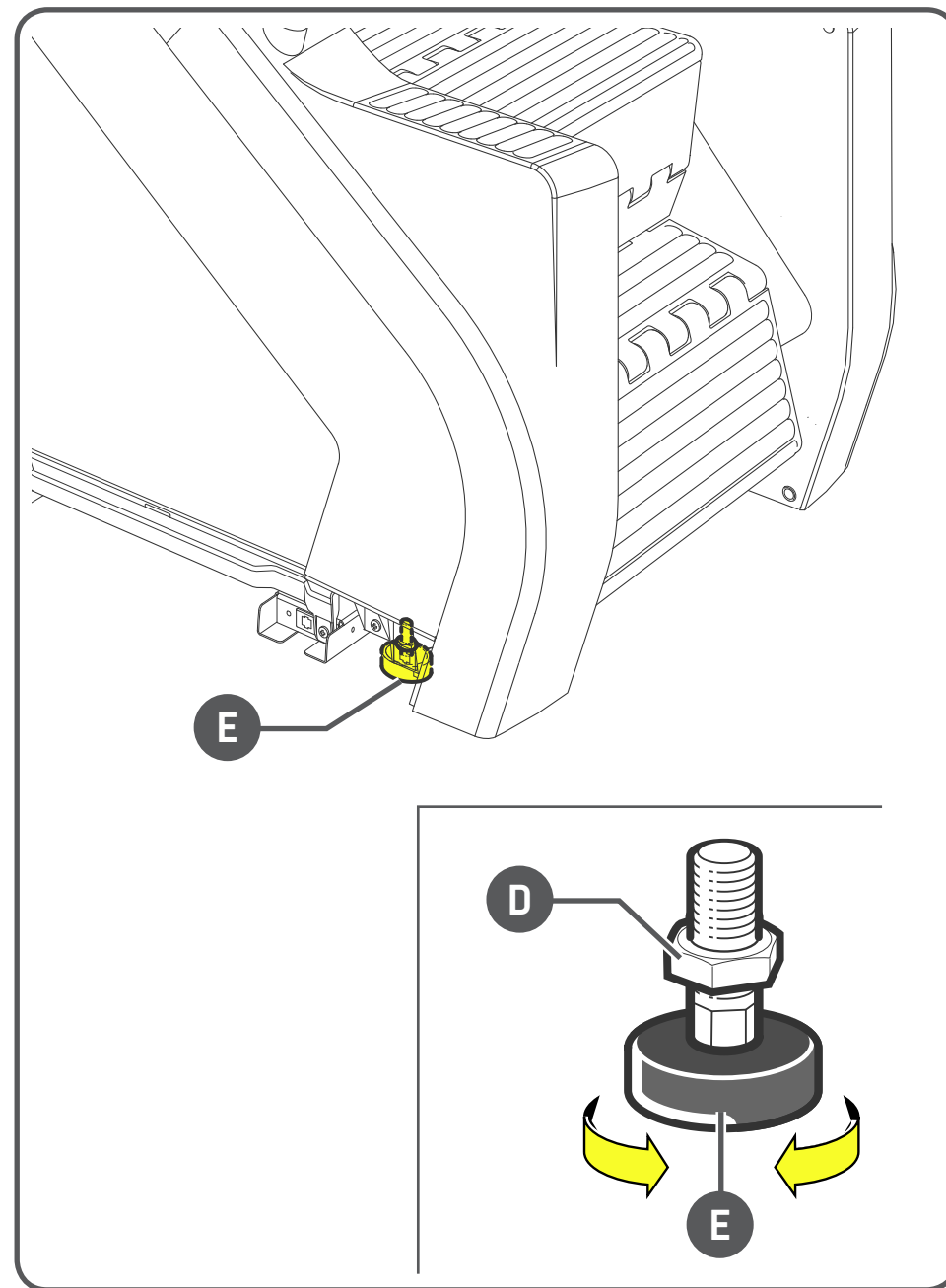
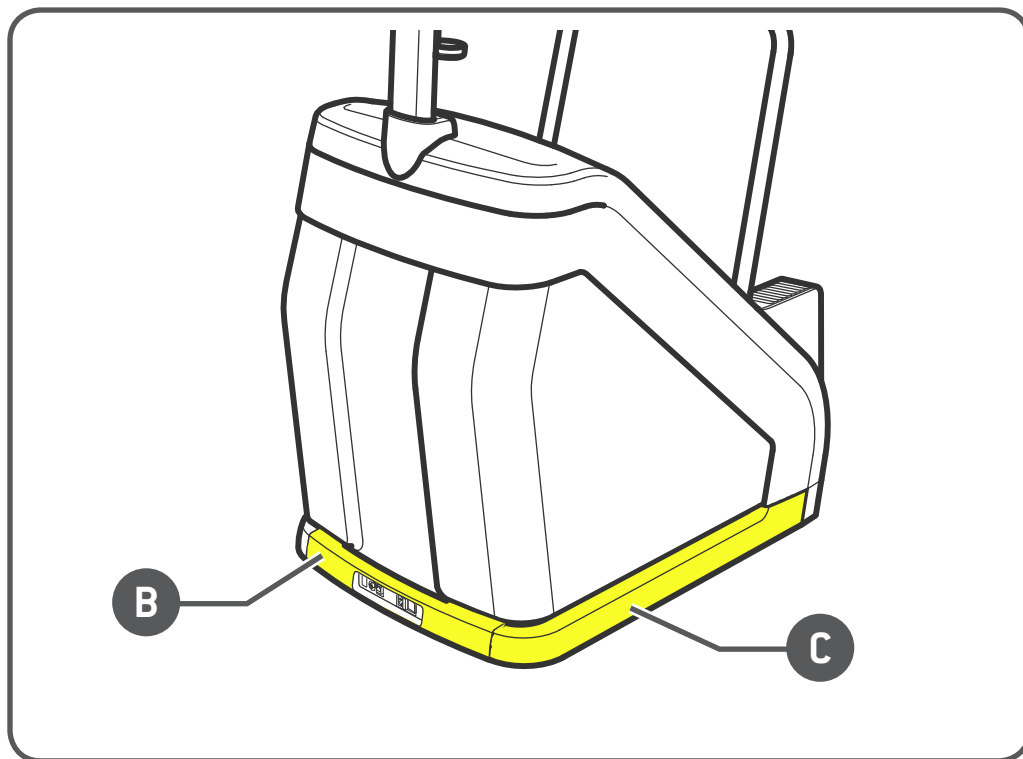
- remove the lower guard **(B)**;
- remove the side guard **(C)**,





## Levelling

- loosen the lock nut **(D)**;
- screw the front feet **(E)** in or out until the frame is in a stable position;
- tighten up the lock nut **(D)** after adjusting;
- reposition the side guard **(C)**, applying pressure;
- Reposition the lower guard **(B)**, applying pressure.



# Electrical connection

Before connecting the equipment to the mains power supply, ensure that the electrical system specifications comply to binding regulations. Check the mains power supply specifications on the label applied to the frame under the control panel.

Plug the power cable first into the equipment socket and then into the wall socket.

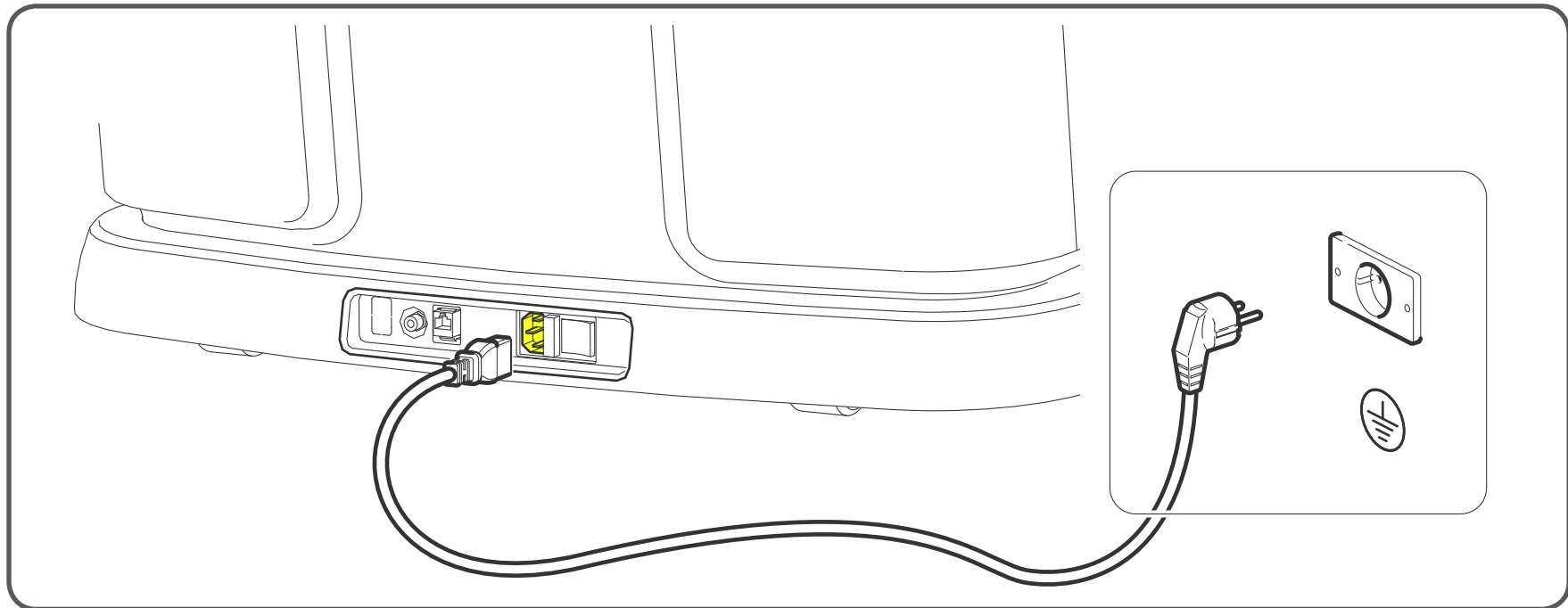


## WARNINGS

**The wall socket must be located in a place where the plugging and unplugging can be done easily and safely.**

**When plugging in, the switch on the equipment must be in the 0 position (i.e. the equipment must be switched off).**

**Check the state of the power supply cable periodically.**




## Electrical connection

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**The power supply socket must be grounded . If not, a ground connection must be installed by a qualified electrician before connecting the equipment to the electricity mains.**

The product must be grounded. If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. The product is equipped with a cord having an equipment-grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

 **WARNING** Improper connection of the equipment-grounding conductor can result in a risk of electrical shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product; if it will not fit in the outlet, have a proper outlet installed by a qualified electrician.

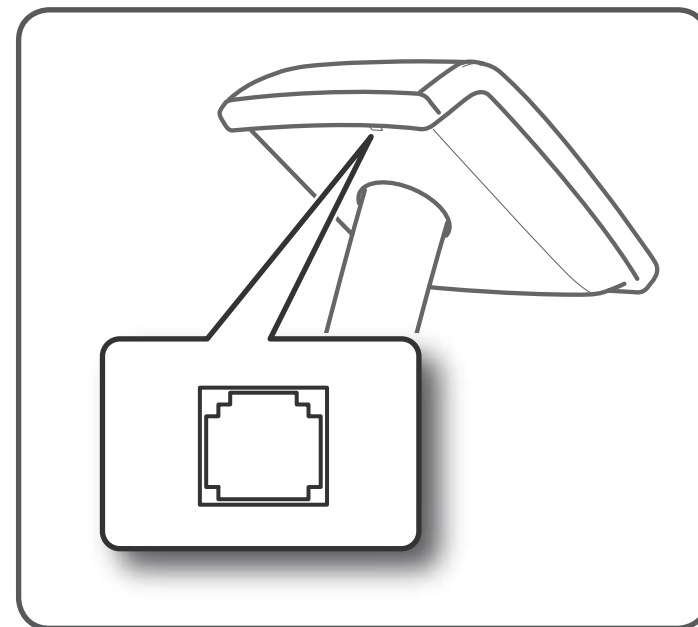
# Connection to another device

The equipment can be connected to an audio/video reception device such as the **Cardio Theater**. Besides, if the equipment has not TV, it can be connected to a network of devices conforming to the CSAFE protocol.



## **WARNING**

**The devices connected must comply with international standards.**



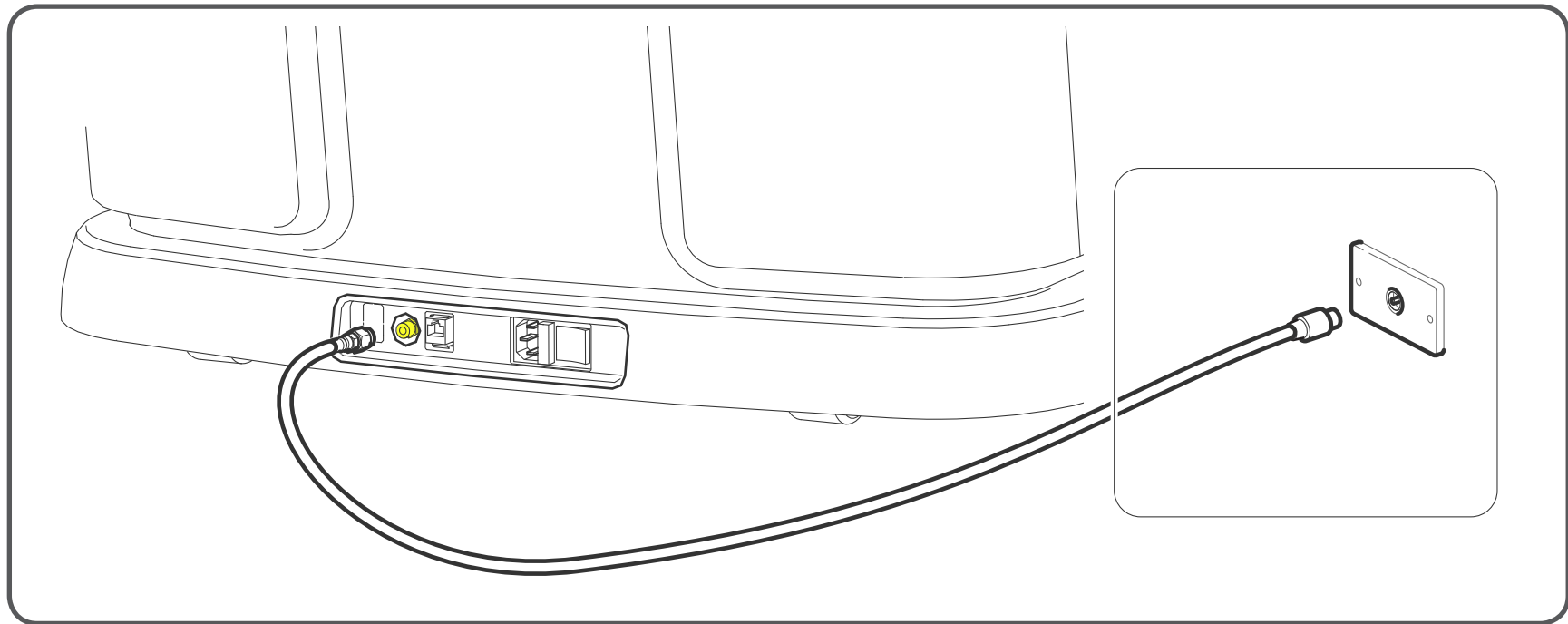
Equipment with codes DEE83M.... can be connected to devices conforming to the CSAFE protocol only for setting and maintenance functions. Additional devices connected to the digital interface must conform to the respective IEC standards (that is IEC 60950 for information technology equipment and IEC 60601-1 for medical electrical equipment). Whoever connects additional equipment to the input or output signal ports, configures a medical system and therefore is responsible for the system's conformity to the IEC 60601-1 standard about systems. Consult the technical support department or your local representative if you have any doubts.

## Connection to another device

If the equipment has TV, connect the aerial cable to the equipment and to the wall socket. Use an RF coaxial cable for the connection with an F type of connector for the equipment.

The wall socket of the aerial cable must be positioned so that the plug can be easily inserted and removed.

A network socket can be found next to the aerial socket for the Ethernet connection.



# Routine maintenance

As the equipment is used in a sports centre by more than one person, it should always be kept clean and free of dust, in accordance with normal hygiene and sanitary rules.

To clean the **control panel**, proceed as follows:

- turn the equipment off by switching the switch to the **0** position;
- unplug the equipment power cable from the wall socket;
- clean the control panel with a damp, but not wet, cloth.

Every week, clean **the equipment completely**:

- turn the equipment off by switching the switch to the **0** position;
- unplug the equipment power cable from the wall socket;
- clean the external parts with a damp sponge;
- move the equipment to one side so that you can vacuum clean underneath it.

Do not use chemical products or solvents.

Do not rub too hard on the control panel and diagrams, or on the written instructions on the stickers.



## WARNINGS

**The routine maintenance, adjustment and lubrication jobs must be performed by the Technogym Technical Support Service.**

**Before starting any job, turn the equipment off by switching the switch to the 0 position and unplug the power cable from the wall socket.**

**The safety of the equipment is assured only on the condition that it is carefully inspected every two weeks for any signs of damage and/or wear.**

For maintenance actions not described in this manual, call in the Technogym Technical Service.

# Changing the fuses



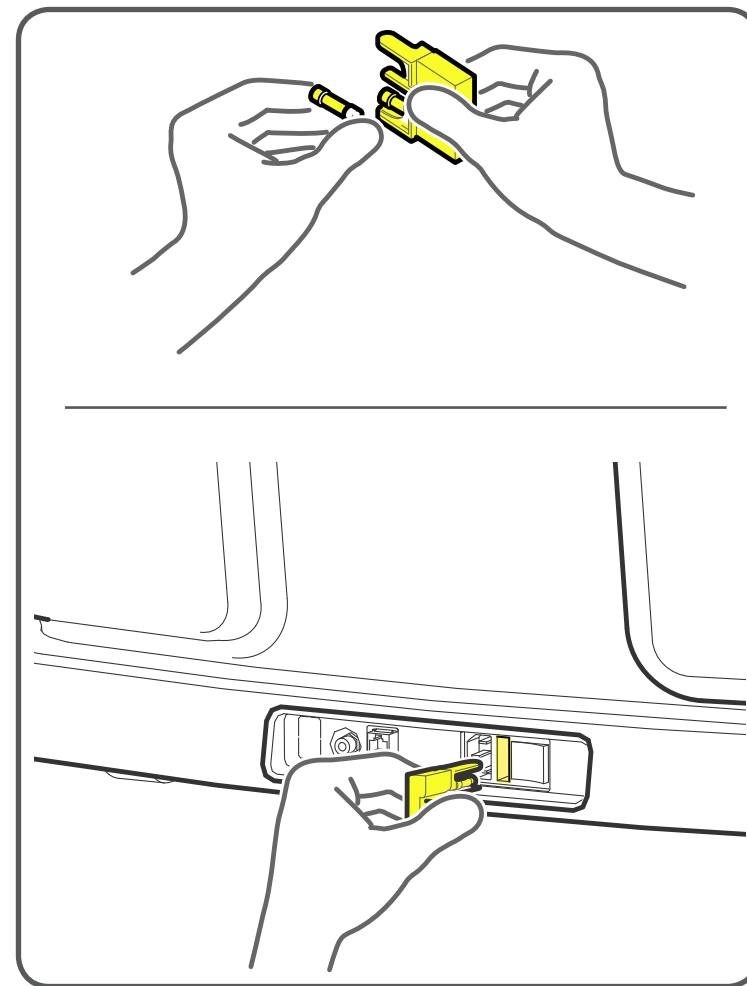
## WARNING

Before changing the fuses, switch the equipment off by switching the switch to 0 and unplug the power cable plug from the wall socket.

Remove the fuse holder, to the right of the switch, by pushing the lever.

Replace the blown fuse with a new one as supplied (3.15A (F)).

Fit the fuse holder back into its housing, making sure it clicks in properly.



## WARNING

If no more of the supplied fuses are available, use certified fuses with identical electrical specifications (3.15A (F)) for the replacement.

# Troubleshooting

Below is a list of problems that may arise during normal use of the equipment. If the described remedies do not solve the problem, contact the Technical Support Service. f

Problem	Cause	Remedy
Equipment doesn't switch on	Mains power failure (mains powered version).	Check the power supply at the wall socket used by the equipment by plugging in an appliance that definitely works.
	Power supply cable damaged.	Contact the Technogym Technical Support Service.
	Installation problems with the power supply cable.	Check the connection.
	Burnt-out fuses.	To replace the blown fuse with a spare contact Technogym Technical Support Service.
	The control panel connector has been accidentally disconnected.	Contact the Technogym Technical Support Service.
Too noisy	Equipment not properly levelled.	Check the position and level the adjustment feet.
	Damaged bearings.	Contact the Technogym Technical Support Service.
	The transmission components are worn.	Contact the Technogym Technical Support Service.
Data incorrect or unreliable with equipment running	Equipment next to source of radio interference (e.g. electrical domestic appliances).	Move the equipment to another place or move the domestic appliances.



## Troubleshooting

Problem	Cause	Remedy
Problems in monitoring heart rate with the chest band	Other transmitters situated nearby.	Move the equipment far enough away to stop signal interference (minimum distance between two units 80 cm).
	Strong interference sources nearby.	Find the interference source (e.g. an electrical domestic appliance) and move it away, or move the equipment.
	Worn heart rate monitor chest band.	Change the chest band.
	Chest band transmitter not making proper skin contact.	Dampen the inside of the chest band with water.
	Damaged transmitter.	Change the chest band.
The steps do not remain locked in place	The brake is disabled.	Contact the Technogym Technical Support Service.
The product is permanently in emergency status, with the steps locked	The safety sensors are damaged.	Contact the Technogym Technical Support Service.
	The safety sensors are blocked.	Remove any obstructions from the sensor zone.

# Technical assistance

The Technogym Technical Support Service provides:

- telephone consultation
- information about which services are covered by the warranty and which must be paid for
- on-site servicing
- supply of original spare parts.

**Technical Support Service  
Technogym s.p.a.**

**Via Calcinaro 2861, 47521 Cesena Italy  
tel: +39 0547 56047  
<http://www.technogym.com/Support>**

When you contact the Technogym Technical Support Service you must give the following information:

- model,
- date of purchase,
- serial number,
- precise description of the problem.



## **WARNING**

**Work on the equipment by persons unauthorised by Technogym invalidates the warranty.**

Technogym supplies the electrical and wiring diagrams to companies with technical support.

# Storage

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If a long period of non-use is expected, you are advised to store the equipment in the following way:

- in a clean dry place, with a dust cover;
- at a room temperature between -10°C and 70°C and relative humidity between 20% and 90%.

For better storage, use the **original packing materials**.

# Disposal

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It is always good practice to ensure that the unit can never constitute a hazard; therefore do not leave the equipment where children may play with it. For this reason, when it is not used for long periods it must be turned off by disconnecting the power cable.

Do not dump the equipment in the environment, or in public or private areas accessible to the public.

The equipment is made from recyclable materials such as steel, aluminium and plastic, which must be disposed of in the manner required by the urban refuse collection regulations in force, by specialised urban hygiene and environmental firms.

Electrical and electronic waste must not be put out for normal waste collection. A specific waste collection system is provided for with this type of product, in conformity with applicable legislation requiring appropriate handling, recovery and recycling.

Unauthorised dumping or disposal of electrical and electronic equipment or improper use of the same can cause serious damage to the environment and human health.

Following measures implemented by the member states of the European Union, private citizens resident in the EC can take their used electrical and electronic equipment to authorised collection centres for disposal.

If the product is used commercially, contact your reseller or Technogym Customer Service in your country to arrange collection and disposal of the electrical or electronic waste.

Contact the local authorities for disposal of electrical or electronic waste in countries outside the European Union.

Average product lifetime: 10 years.

# Switching on and off

To turn the the equipment on, switch the main switch to “I” (ON) position.

After a quick system check (reset), the equipment is ready for use.

To turn the equipment off, switch the main switch to “0” (OFF) position.

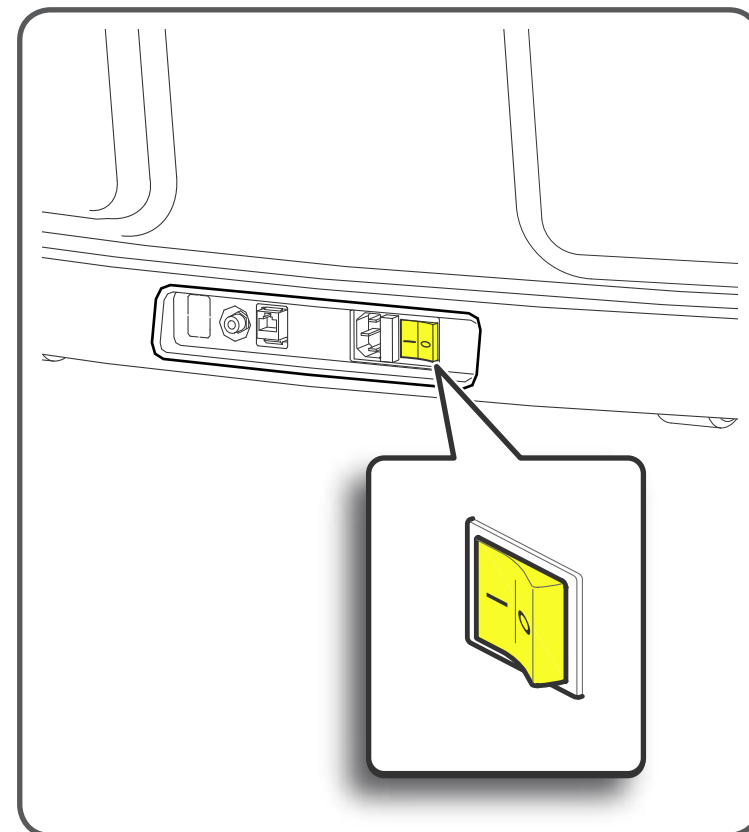
The equipment must be switched off only at the end of the exercise, when in standby.

If the equipment isn't going to be used for a long time, as well as turning it off you should also pull the plug out of the wall socket.



## WARNING

**The switch is for turning the equipment on and off but does not isolate it completely from the mains voltage, even in the “0” position (off). For complete isolation you must unplug the power supply plug.**



# Monitoring the heart rate

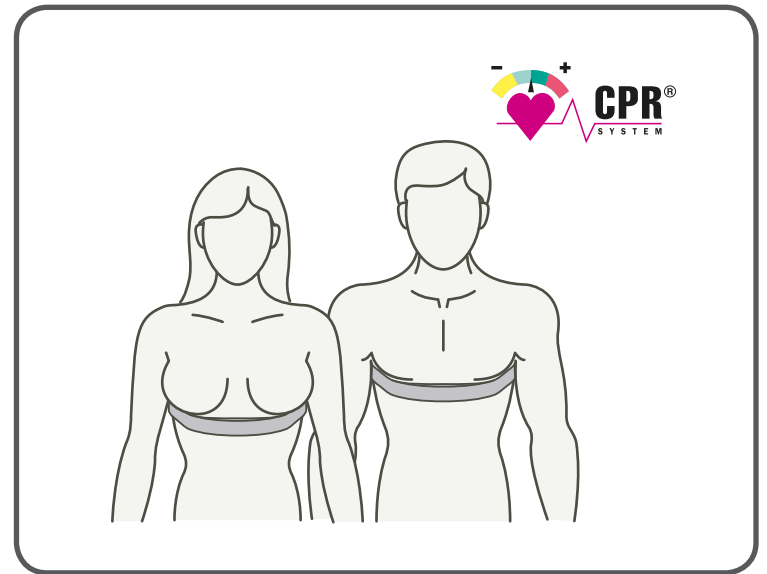
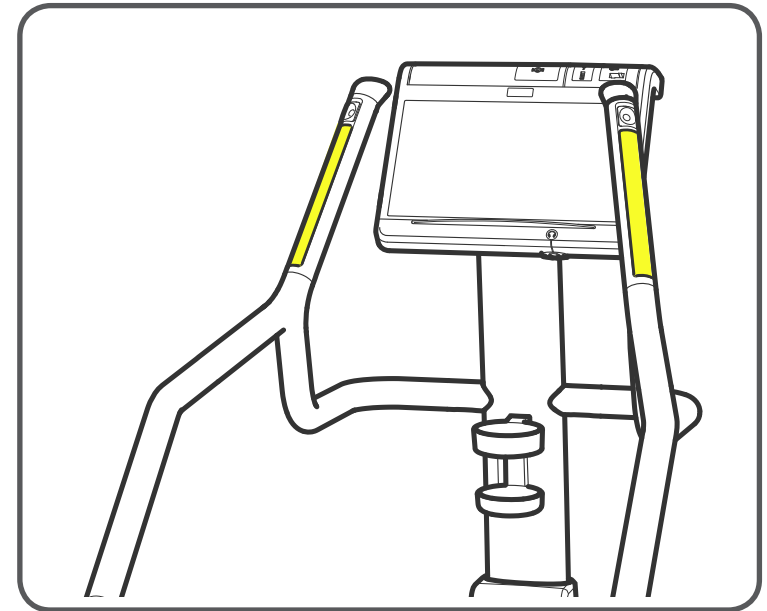
The equipment is able to measure heart rate trends, in two different ways:

- with a device applied to the handgrips (hand sensor), that switches on when you grip the handgrips in the sensor region;
- with a chest band with a heart rate transmitter (Polar H7).

There must be no more than one transmitter in the reception range: otherwise the receiver may receive different signals at the same time and give incorrect heart readings. If there are several equipment units with heart rate receivers in the same area, the recommended minimum distance between them is 80 cm.

Heart rate readings will not be accurate near electromagnetic radiation sources (TVs, cellphones, etc.).

Should you have any doubts about the accuracy of the readings, contact the Technical Support Service.



# Monitoring the heart rate

The table below shows optimum heart rate levels in relation to age and the purpose pursued.

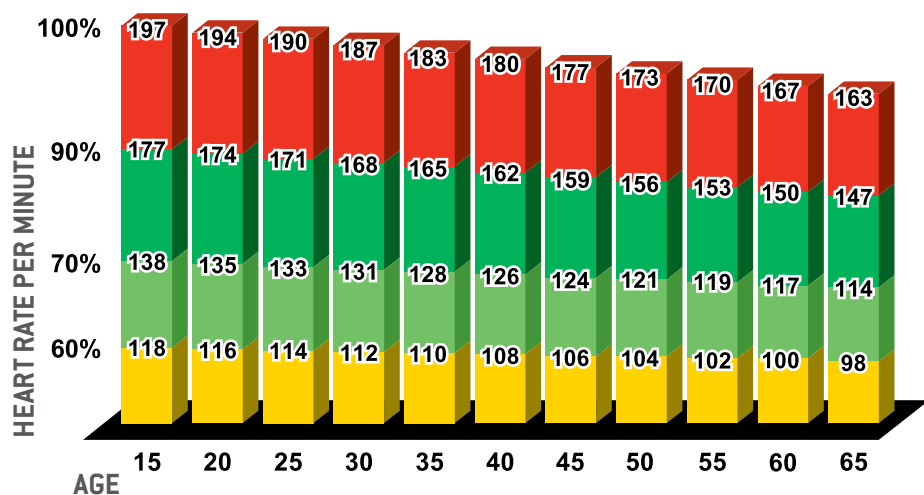
Theoretical maximum heart rate (100%) is calculated on the basis of age using the formula: Max HR = 207 - 0.7 x age (R. L. Gelish et alii, Med Sci Sports Exerc., 2007 May, 39 (5): 281).





To read the graph, simply find your age on the horizontal axis and scan up the vertical until you reach the 60%, 70% and 90% values.

Aerobic exercise performed at a heart rate **between 60% and 70%** mainly burns fat as an energy source.

When doing aerobic exercise at a heart rate of **70% to 90%** the cardiocirculatory component prevails.

For example, if someone **aged 30** wants to burn off fat, the heart rate during exercise should be kept to between 112 (60%) and 131 (70%); if he or she wants to improve cardio-respiratory capacity, the heart rate should be kept to between 131 (70%) and 168 (90%).



-  Prevalent use of sugars.  
Competitive athletes' workouts (requiring a doctor's certificate).
-  Combined use of fats and sugars  
Significant improvement of aerobic efficiency.
-  Prevalent use of fats and increased use of sugars  
Moderate improvement of aerobic efficiency.
-  Prevalent use of fats, and modest use of sugars  
Limited improvement of aerobic efficiency.



### **WARNINGS**

During a workout it is very important that your heart rate never goes above 90% of your maximum rate (unless you are an athlete engaged in competitive sport).

The sole function of the heart rate monitor is to display the heart rate during exercise and cannot be used for medical cardiac diagnoses of any kind. The heart rate shown on the display is purely indicative and cannot be considered absolutely certain.

You are advised not to use a chest band with heart rate monitor if you have a cardiac support device such as a pacemaker or similar.



# Using the equipment

Climb up onto the equipment from the rear, using the step provided (A).

Grasp one of the handgrips with one hand, and use the other to set a program on the control panel. The steps will remain locked until the START button is pressed.

Keep a low speed for a few minutes to familiarise yourself with the equipment and acquire stability. It is important to get used to the movement without overbalancing your body in the forward direction in order not to take on unnatural positions.

Once you become more confident, gradually increase the effort level.

Keep a constant check on your posture: head held high, shoulders in line with your hips, stomach pulled in and chest raised.



## WARNING

**Any distractions in the area around the equipment may cause the user to lose his/her balance.**



## Using the equipment

To get off the device in an emergency, grasp the side handgrips, support your weight on them and move your feet onto the footrests. Then get off the equipment.

**Climb is designed solely for the use it was designed and manufactured for, as a stair simulator. Any other use of the equipment is to be considered improper and therefore dangerous.**



Climb\_Excite\_en-AA  
OSM00977



**The Wellness Company**