

AR20011
MOTOLIFE

AR20012
MOTOLIFE Evo

Arm and Leg Cycle Ergometer
Armo-Cicloergometro gambe e braccia
Leg Cycle Ergometer
Cicloergometro gambe



Use and maintenance manual
Manuale d'uso e manutenzione



Rev. 006 (04/2021)

EN7

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1 GENERAL INFORMATION

Welcome!

Thank you for buying an excellent product for lower and upper limbs movement therapy (upper limbs model AR20012 only). Before use we recommend to read carefully this manual with particular attention to safety warning to observe before installing the device (USE RESTRICTIONS AND SPECIAL WARNINGS).

For further information, remarks or requests for clarification you can contact the reseller or the company Chinesport S.p.A.

1.1 Purpose, content and recipients of these instructions

The aim of this manual is to provide the necessary information to users, maintenance technicians and persons in charge in order to operate correctly, autonomously and safely.

This manual contains information about technical aspects, operation, maintenance, spare parts and safety of the Motolife medical device.

This manual must always follow the device and must be correctly stored in order to maintain it readable. A copy of this manual can always be requested to the manufacturer or local reseller.

In the case of assignment to a third party this manual must be transmitted with the other documents and communicated to the manufacturer as provided for in the European Directive 93/42/EEC amended by the Directive 2007/47/EC for the maintaining of the safety and the traceability of the product.

1.2 Manufacturer



CHINESPORT S.P.A., Via Croazia,2-33100 Udine, Italy

tel.+39 0432 621 621–fax+39 0432 621 620 – website: www.chinesport.com.

The company has a quality system according to the UNI EN ISO 13485:2016.

1.3 Intended use and equipment description



Warning

**MOTOLIFE is a medical device.
The proper use falls within the medical devices use methodology.**

MOTOLIFE is designed for lower and upper limbs active (with muscle power), passive and assisted (with motor support) movement of sitting persons. The typical user is a person with reduced mobility due to incidents, surgery or pathologies limiting the movement in general.

It's a device intended for use at home, in clinics, in hospitals and in medical practices with the following purposes:

- Improve the perception
- Avoid muscle debilitation

- Reinforce existing muscles
- Pain reduction
- Muscle tone rehabilitation
- Preserve and improve mobility
- Activate or stabilize circulation
- Increase resistance
- Improve cognitive ability
- Improve symmetry

MOTOLIFE is a moving device so can be used in different locations.

1.4 Biocompatibility

Every MOTOLIFE part and accessory intended for use by the user are developed in order to be homologated in compliance with the existing biocompatibility directives, provided that they are used within the prescribed limits.

For every additional information, observation or requests for clarification you can contact the dealer or the company Chinesport SpA.

For any clarifications, please contact an authorized reseller.

1.5 Product details

Additional documentation can be found at our website www.chinesport.com.

In particular, you can connect directly to the website quickly by reading the QR code on the cover of this manual. Where provided, the QR code may also be applied to the product.

The Declaration of Conformity and other in-depth documents, also in color, are available directly in the "online product page" also in the most up-to-date version if applicable.

For a better understanding of the instruction manual, refer to Chapter 3 USE INDICATIONS.

1.6 Storage and operating environment

| | |
|-----------------------|--------------------------------|
| Operating temperature | 0°C to 40°C / 32°F to 104°F |
| Storage temperature | -25°C to 70°C / -13°F to 158°F |
| Humidity | 0% to 80% without condensation |

1.7 Symbols

In this manual and the machine itself, the symbols are used to draw your attention to important safety notices and useful information.

Observe all warning, attention and danger messages.

| Symbol | Significance |
|---|--|
|  | Indicates an immediate danger with a high risk of death or serious injuries, if it is not avoided. |
|  | Indicates a possible danger with a moderate risk of death or serious injuries, if it is not avoided. |
|  | Indicates danger with a low risk of light injuries or damages to things, if it is not avoided. |

| Attention | |
|---|---|
|  | Class II device |
|  | Type BF applied parts |
|  | Indoor Use only |
|  | Compliance to 93/42/EEC and 47/2007/EC directives for medical devices. XXXX: Certification body identification number. |
|  | Carefully read the instructions in the use and maintenance manual |
|  | Warning of dangerous voltage |
|  | Fragile |
|  | Recyclable |
|  | Keep dry |
| IP21 | Degree of protection against the ingress of liquids and solids: Protection against dripping water Protected against the ingress of solids > 12mm |
|  | Keep upright |
|  | Dispose correctly |
|  | Manufacturer |
|  | Date Of Manufacture. The number near this symbol is the month of manufacture followed by "." and the year of manufacture |
| SN | Serial Number. The number near this symbol is the serial number. |
|  | Fuse. The data near this symbol is the fuse characteristic. Type (T = Time delay) breaking current (1,6A), working voltage (250V) and breaking capacity (35A) |
|  | Do not Step. It's forbidden to step on the zone where this symbol is placed. |
|  | Suggested Armo-ergometer depth regulation point for transport |
|  | Suggested Armo-ergometer depth regulation range for arm training |
|  | Suggested Armo-ergometer depth regulation range for leg training |

2 USE RESTRICTIONS AND SPECIAL WARNINGS

| | |
|---|--|
|  Warning | <p>MOTOLIFE is safe and reliable only if all the disposition about the safety in this manual are observed. Any contraindications resulting from proper use should be evaluated by therapists and physicians who prescribe its use.</p> |
|---|--|

The equipment has been conceived and built exclusively to perform the functions described in this instruction manual.

Safety information:

| | |
|---|--|
| | Always follow the safety instructions of this user manual |
| | MOTOLIFE should be used only if it is free from damages and if the operation is perfectly regular |
| | Check regularly that all the screws are securely tightened |
| | Before using for the first time, consult an authorized reseller, a physician or a therapist |
| | Before starting work, clarify with your physician or your therapist if MOTOLIFE can be used autonomously |
| | Before starting the appliance for the first time, the user or the assistant must be instructed by an authorized reseller, a physician or a therapist |
| | MOTOLIFE and the chair/wheelchair should be placed over a flat and non-slippery ground |
| | Use MOTOLIFE only when sitting |
| | Training solely wearing closed shoes, without laces |
| | Training solely wearing close-fitting clothes |
| | Remove jewels and accessories before training |
| | Make sure the anti-tilt device is securely anchored |
|  Warning | Do not use the safety handle and the upper limb cycloergometer for helping you stand and be careful not to load MOTOLIFE sideways |
| | MOTOLIFE shouldn't be used in wet, moist or very hot environments |
| | DO NOT use absolutely MOTOLIFE in oxygen saturated environments |
| | Any repairs should be carried out by an authorized dealer |
| | If MOTOLIFE is damaged or shows failures, etc. Contact an authorized reseller immediately |
| | Do not smoke while training |
| | Be careful that MOTOLIFE doesn't get wet |
| | If symptoms of illness during or after training are experienced, contact your doctor immediately |
| | Children should train solely under the supervision of an adult |
|  Warning | Do not make any modification to MOTOLIFE before being authorized from the manufacturer. |

| | |
|--|---|
| | <p>While installing the power cord, make sure that:</p> <ul style="list-style-type: none"> • The cord doesn't prevent the user's movements • The cord doesn't prevent MOTOLIFE's movements • The cord doesn't cause any disturb or obstruction |
| | Place MOTOLIFE so that the power plug doesn't create an obstacle |
| | Only manufacturer's original accessories and spare parts should be used |
| | MOTOLIFE should be used exclusively with cables in excellent condition and perfectly working |
| | Be careful that fingers do not get stuck during MOTOLIFE adjustment operations |
| | Use MOTOLIFE only with the correct voltage |
| | Before opening the case, make sure that the power plug is disconnected |
| | If you are using a pacemaker, consult your doctor before taking the first training |
| | Train only when MOTOLIFE is on |
| | After each training session, disconnect the power plug or turn off the device from the switch |
| | Before starting any training, check that the safety devices work perfectly |
| | Avoid pets approaching MOTOLIFE and not allowing children to play |
| | Before the first use, MOTOLIFE should be left for 1 hour at room temperature |
| | Carry the MOTOLIFE only inside and on flat and solid ground, on its transport wheels, after removing the power plug |
|  Warning | For safe use of MOTOLIFE with the wheelchair, use anti-tilt belts provided as a separate accessory |
| | In case of paralysis, spasms or legs instability, MOTOLIFE should only be used with the calf support accessory. |
|  Warning | During exercise, do not grab moving parts (e.g. crankshaft, radius adjustment, pedals, etc.). |
| | Before adjusting the moving parts, make sure that the power switch is off |
| | Before setting the pedal radius with the specific tool, make sure that the power switch is off |
| | Make sure that the arm rests during the upper body training are securely connected to the therapy grips or to the cranks |
| | Work only with both pedals mounted and with both feet on the pedals |
| | Start training only when both feet are correctly placed in the pedals |
| | In the case of workout on an electric wheelchair, disconnect it from the current / turn off the travel function |
| | Limit the engine power to the user as necessary for his training |
| | Set the spasm sensor sensibility according the user's needs |
| | Make sure that the user trains on a stable, fixed, wheel-free chair. If you are using MOTOLIFE directly from a wheelchair, activate the brakes and turn off any electronic controls in the chair |
| | Make sure that the 7" colour display doesn't interfere with movement |
| | USB interface should be used only within the manufacturer's options (USB key). Before connecting, finish the training |
| | In the case of upper limbs training, place the crank lock as far as possible from the display and so that it's comfortable for use |
| | Use only the original power cord provided by the manufacturer |
| | Before each use, make sure that the patient's limbs are correctly positioned. |

2.1 Side effects and contraindications

In some rare cases, there have been observed some side effects that can be attributed to pain increase after the therapy session, skin damage such as decubitus and muscle tone reduction.

MOTOLIFE is contraindicated in the following cases:

- Users with a body weight above 120 kg
- Users with a height below 120 cm or above 200 cm
- Users with severe contracture
- Users with open wounds on body points that come in contact with the device (when in doubt, contact a doctor)
- Advanced osteoporosis
- Imperfect osteogenesis
- Users with unstable circulation, e.g. because bedridden for a long time
- Users with a greatly reduced range of motion, for which even a small motorized passive training can be a risk of injury
- Outdoors
- Autonomous non-supervised training, if the user is not able to use MOTOLIFE by itself
- Users with cardiac and circulatory insufficiency
- Continuous and repetitive spasms

It is recommended that you consult your doctor in advance.

For users with a height of less than 120 cm, it's necessary to use a specific configuration of MOTOLIFE. Before starting workout, talk to your doctor, therapist or authorized reseller.

| | |
|--|--|
|  Avviso | Always consult your doctor in cases of: <ul style="list-style-type: none"> • hypo-hypertension following physical exertion • respiratory failure |
|--|--|

2.2 Safety checklist

Before starting work, follow these simple visual controls:

| Visual control | What to do if irregularities occur | Reason for control |
|---|---|---|
| 1. Power supply and electrical components control | | |
| Is the power cord intact? Does it show abrasions, crushing, porous spots or warps? | The power cord must be replaced when damages are observed. Power cord repair is not possible and should therefore be replaced with an original spare part of Chinesport. Consult an authorized reseller in this case. | If the power cord is damaged, there is a risk of electric shock coming into direct contact with the damaged area or even if the damaged area comes into contact with MOTOLIFE casing. The damaged power cord can never be used! |

| Visual control | What to do if irregularities occur | Reason for control |
|--|---|--|
| <p>Is the power cord placed so that:</p> <ul style="list-style-type: none"> a) does not twist over the device. b) does not lay under other objects being crushed. c) cannot get caught in the pedals. d) cannot be mechanically damaged in any way e) nobody can stumble on it? | <p>Never use the electric cord whose wires are uncovered and not insulated! The power cord must be positioned in such a way that no one can stumble or be in any way damaged.</p> | <p>If the power cord is damaged, there is a risk of electric shock coming into direct contact with the damaged area or even if the damaged area comes into contact with the MOTOLIFE casing.</p> |
| <p>2. Environmental conditions surrounding the device</p> | | |
| <p>Are there any other electronic devices that are not medical devices near the user and MOTOLIFE?</p> | <p>Remove all non-medical electronic devices from the vicinity of the user and MOTOLIFE.</p> | <p>If the user gets caught during training with MOTOLIFE after coming into contact with other low quality electrical equipment, he must look for the cause in the low electrical insulation of the low-cost product rather than in MOTOLIFE. The MOTOLIFE is homologated with the highest safety standards. However, in order to ensure that the user is effectively protected, other unapproved medical devices shouldn't be connected to the power supply network in the vicinity of MOTOLIFE.</p> |
| <p>Are there any inflammable gas cylinders, such as oxygen?</p> | <p>Do not turn on the appliance in flammable gas saturated environments or where there is a flammable gas cylinder.</p> | <p>As a device built for non-explosive environments, some electrical circuits should not work in the presence of flammable or explosive gases.</p> |
| <p>Are there animals or children?</p> | <p>Make sure that children don't play with the device and don't use the power chord to strangle. Avoid that animals approach the device.</p> | <p>Power cord may be used for strangling or chewed by an animal. Small parts are hard to detach but may be inadvertently be ingested by children or animals.</p> |

3 USE INDICATIONS

3.1 Software Version

This User manual is valid from the software revision **1.9** of the Motolife. If you have a previous version, please contact manufacturer to get the last software revision available. To see what revision you own, go to System Info -> and read "SW Version".

3.2 Indications

MOTOLIFE is suitable for users with legs and arms with reduced mobility, from sitting: e.g. after stroke, multiple sclerosis, Parkinson, musculoskeletal disorders, paraplegia, geriatric user, cranium-cerebral trauma, cerebral palsy, cardiac and cardiovascular pathologies.

Minimum requirements for supervised training

The user can sit in upright position.

Minimum requirements for autonomous training

The user can fully handle MOTOLIFE alone and knows all the functions.

User

1. Person who, after proper instruction by the specialized staff, is able to use and train with the MOTOLIFE
2. The user is totally responsible of the safe and proper use with MOTOLIFE intended use

Specialised personnel

1. People who, for their knowledge, obtained from specialized training in the field of medicine, etc., possess medical-technical specialization (eg doctors, therapists, specialized resellers).
2. People who, for their professional experience and education / training by the manufacturer, have knowledge about security and are able to recognize any dangers during use (e.g., specialist assistants).

For the safe use of MOTOLIFE, specialized personnel must regularly attend refresher courses.

3.3 Proper use

For this purpose, the user trains facing the therapeutic device on a safe and stable wheelchair or on a simple chair (without wheels) with a sufficiently high backrest.

The user must assume an upright sitting position and the chair or wheelchair must not be able to tip over.

MOTOLIFE must be placed on a flat and solid surface.

| | |
|---|---|
|  <p>Warning</p> | <p>The use of MOTOLIFE is to be considered safe only if the safety measures and warnings described in this manual are observed and the contraindications described herein or established by a therapist / physician does not occur. Adjustments and modifications, with the exception of the control unit functions, are safe only if they do not move the upper or lower pedal or the arms / legs remain locked.</p> |
|---|---|

3.4 Predictable improper use

MOTOLIFE is not suitable for:

- Diagnosis
- Monitoring
- Measurement
- Sport training

3.5 Unsafe use

Do not use MOTOLIFE

- In combination with other devices that emits ionizing radiation (e.g. radiotherapy, nuclear medicine, etc.)
- In environments where:
 - Explosive materials are present
 - Enriched oxygen is present
- In combination with
 - Flammable anaesthetics
 - Volatile solvents

3.6 Exclusion of responsibility

The manufacturer and its distributor do not assume any responsibility as a result of:

- Improper, incorrect or not intended use
- Non-observance of this instruction manual
- Intention or gross negligence
- Too intensive training, e.g. agonistic activity
- Use of inappropriate wheelchairs, chairs, tables or beds
- Use of the device, although forbidden by the doctor or therapist
- Installation of unauthorized accessories
- Performing repairs or other interventions on MOTOLIFE by people not authorized by the manufacturer

4 DELIVERY AND EQUIPMENT

MOTOLIFE is delivered with custom optional accessories. This manual describes all the accessories of MOTOLIFE. The user manual describes all accessories that may be available for each model, some of the accessories described may not be available in your MOTOLIFE. If some of the accessories your MOTOLIFE is equipped with are not described in the user manual, a specific user manual is provided.

4.1 Owned equipment configuration

All the components that are delivered are shown on the transport document.

4.2 Standard equipment

The transport document contains all the components that are delivered.

Standard configuration:

- Motolife version (AR20011)
 - Powder-painted metal base with adjustable and non-slip feet
 - Transport wheels
 - Electrical motor for lower limbs
 - 3 step radius adjustable pedal
 - Transport and support handles
 - 7" colour touchscreen with adjustable inclination and easy and intuitive user interface
 - Foot-supporting bowls with foot-blocking straps
 - 10 positions height adjustable handlebar
- Motolife Evo version (AR20012), in addition to AR20011 version:
 - Upper limbs arm ergometer with electrical gear motor

- 6 positions depth adjustable handlebar to adjust the arm centre of rotation distance
- Gas spring assisted 10 positions height adjustable handlebar
- 2 positions radius adjustable cranks
- Rubber coated non-slip handgrips
- Transport handle
- MOTOLIFE user manual
- Tool for change pedal / handgrips radius
- Spare fuse
- 3m Schuko power cord

4.3 Accessories

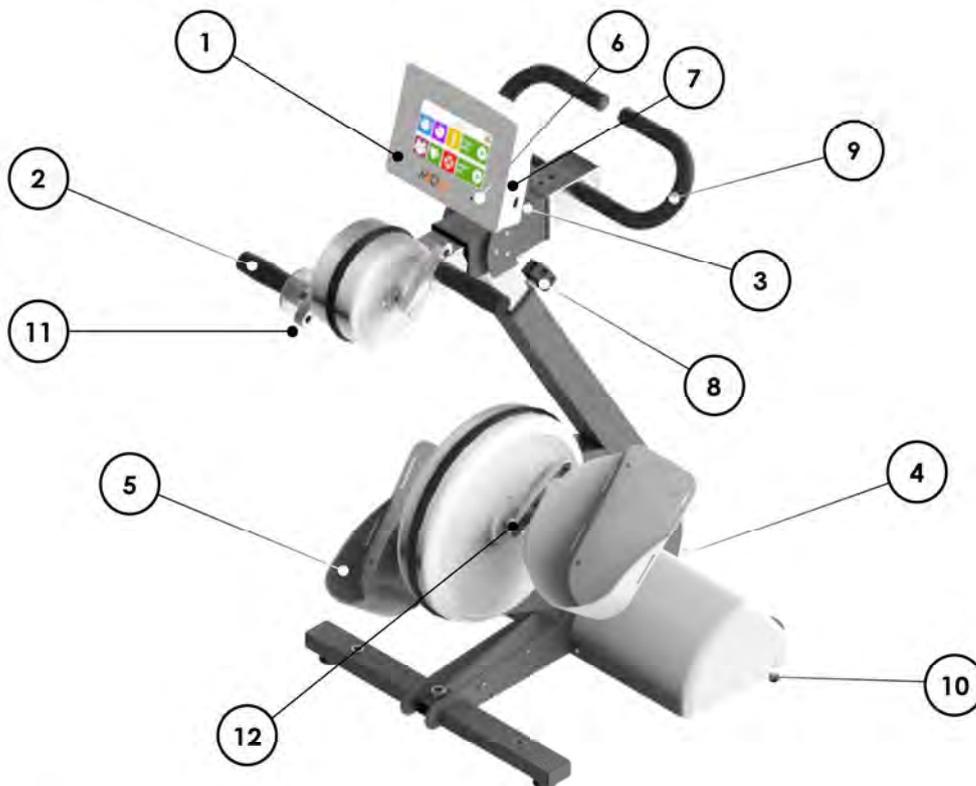
Available accessories:

- AC1076 Autonomously manageable anti-tilt belts
- AC1077 Belt loops for anti-tilt belts
- AC1078 Calf support
- AC1079 Shoe pedal for children
- AC1080 Wristband gloves
- AC1081 Armrest for tetraplegic
- 3m power chord with Italian plug

For an exhaustive list of available accessories, always refer to the official distributor or the manufacturer.

4.4 Main components

- 1) 7" colour touch screen with adjustable inclination
- 2) Non-slip rubber ergonomic grips
- 3) Knob for handlebar horizontal adjustment (Unscrew-Pull)
- 4) Power switch and fuse holder (back side)
- 5) Foot-supporting bowls with foot-blocking straps
- 6) Power light and status of the device
- 7) USB memory socket (USB 2.0)
- 8) Knob for handlebar vertical adjustment (Unscrew-Pull)
- 9) Transport handles
- 10) Adjustable and non-slip feet
- 11) 2 positions radius adjustable cranks
- 12) 3 positions radius adjustable pedals



5 USE OF THE DEVICE

5.1 Switching on

Put the plug into the socket on the back of the device base and press the power switch on the "I" symbol. The switch once turned on lights up in green.



Wait for the system loading. On the screen, after a few seconds, the Chinesport logo appears with the device software version on the bottom.



When the loading is complete, the system enters the main screen.



Figure 1 – Main screen for Motolife Evo model (AR20012)



Figure 2 - Main screen for Motolife model (AR20011)

From the main screen you can do the following actions by clicking on the corresponding icons:

| | | |
|--|-----------------|---|
| | SETTINGS | Access to system settings |
| | SESSION HISTORY | Access the session history stored on the database |
| | SYSTEM INFO | Provides information about the device as SW version, serial number, etc. |
| | USERS | Allows to choose an existing user or to create a new profile |
| | THERAPY | Allows to set personalised therapies |
| | POSITIONING | Allows to adjust pedals position so that the access to the device is easier for the patient |
| | START ARMS | Allows to start arms training (only for Evo version) |
| | START LEGS | Allows to start legs training |

5.2 Safety functions for child presence in home healthcare

For home use of the device and if there are children in the house, it is possible to activate the protection of the screens with a password. Using the key provided by the manufacturer it is possible, following the simple procedure shown on the screen, to activate the protections of the settings screens and also the protection of the machine start-up. It is also possible to change the password if this is necessary. In this way, any person who does not know the password cannot misuse the device.

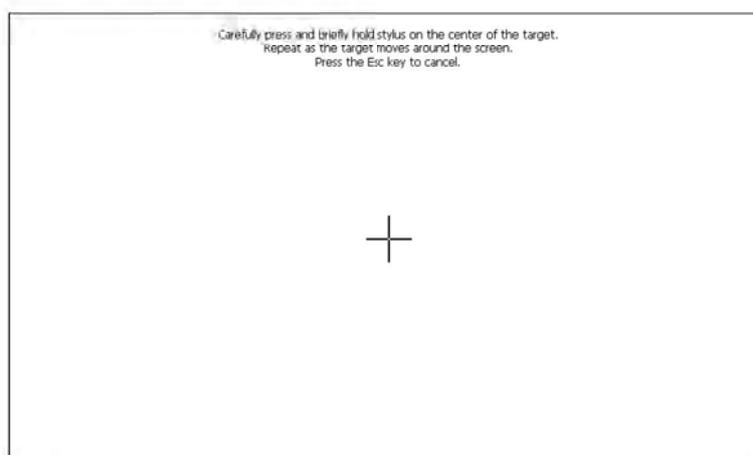
5.3 Settings

By tapping on settings icon appears the following menu. The Settings menu allow to configure all Device related parameters.



5.3.1 Calibration

The calibration function allows you to calibrate the screen if the use of the touch screen is abnormal. The product comes with the screen already calibrated but with the time there may be deviations of the clicked point respect to the touched point. Enter the calibration function by tapping on Calibration button: a blank calibration screen with a cross will appear.



You need to touch all the crosses that appear at the various points on the screen with the tip of a plastic stylus.

5.3.2 System

The system button under the Settings menu brings to the general system settings interface



This interface allows to adjust the following parameters:

- Time
- Date
- Screen contrast
- System volume
- System Language (Italian, English, German, French, Dutch and Spanish)
- The time between the different screens that follow each other during therapy (multiple of 5 seconds)

5.3.3 Data export

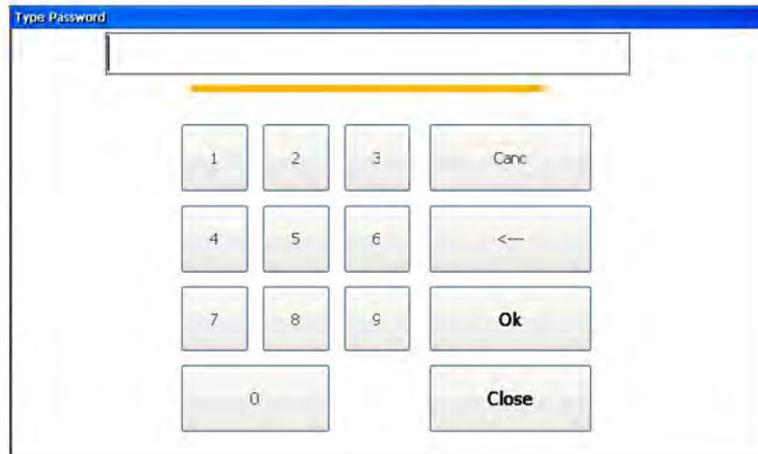
The data export button under the Settings menu brings to the interface to export the session data:



Allows to export the device sessions data to an USB data storage. It's possible to choose the time interval for which export sessions data. It's generated as a csv in a .txt file.

5.3.4 Service

The Service button under the Settings menu brings to the reserved service interface.



This interface is reserved to service qualified technicians.

5.3.5 Device reset

The Device reset button under the Settings menu brings to the reserved interface to reset system data.



This interface is reserved to service qualified technicians to reset the device to factory settings.

5.4 Session History

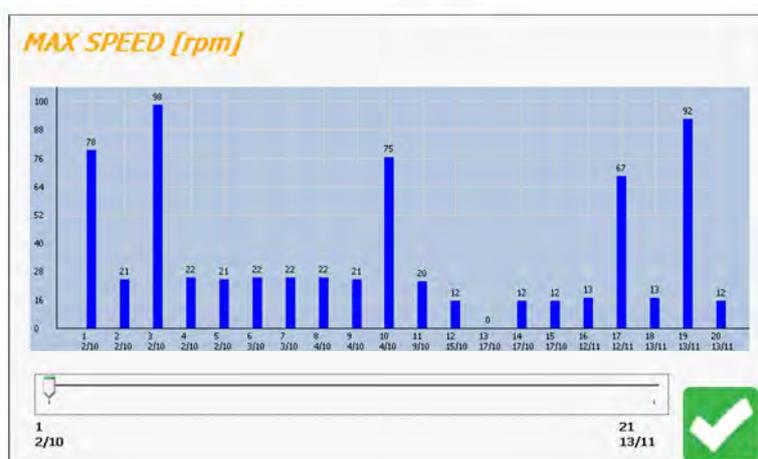
By tapping on the Session History icon in the main screen, you can access the history of the training sessions or sessions log.



Sessions are divided in arms and legs training in case of the Motolife Evo version, or directly legs training in case of the Motolife version. By clicking on "Arms" or "Legs" in the Motolife Evo version, or without clicking anything on the Motolife version, you access a synthetic index summary screen of all the trainings currently selected by the user and visible in the top screen right.



By tapping on each buttons it's possible to visualize the indices trends in time in a graphic mode (e.g. Max Speed). The histogram show the trend of the selected value over time. The histogram show 20 sessions at time:



To see the next group of 20 sessions just tap over the histogram or use the navigation bar visible in the lower side of the screen.

5.5 System info

By tapping on the System Info icon on the main screen, you access the device information screen.

| <i>Info-Cycling</i> | | | |
|-----------------------|--------------|---------------------------|---------|
| Serial Number: | 190000133 | | |
| SW Version: | 1.9 | Leg Mode Counter: | 236 min |
| FW Version: | 1.0 | Arm Mode Counter: | 656 min |
| Release Date: | 09/10/2019 | Leg Mode Sessions: | 12 |
| Model: | Motolife Evo | Arm Mode Sessions: | 23 |

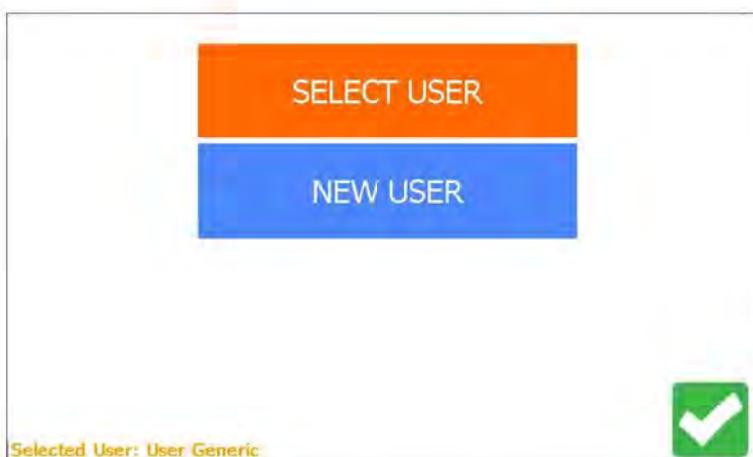


The following system information are shown, including:

- Serial number
- Software version
- Firmware version
- Release date
- Device model
- Arms and legs operation minutes
- Arms and legs operation sessions
- Active security level

5.6 Users

By tapping on Users icon on the main screen, you can access the users management functions.



From this menu you can select an existing user / patient so that you can recall all his master data that is linked to the work sessions. You can also create a new user / patient.

By tapping on Select user you access to the existing user selection screen.

Select user

First Name:

Last Name:

First Name:

Last Name:

Gender: Age:

Weight (kg): Height (cm):

To search for an existing user in the database, you can move back and forth in the archive with the blue arrows on the sides of the screen, or if you want to filter the archive to look for a patient faster you can enter the name, last name, or both, or part of them. To enter text just click on the field you want to search for. In this way an easy to use full-screen keyboard will appear:

Insert First Name

Q W E R T Y U I O P

A S D F G H J K L ' "

Z X C V B N M , . -

Close Canc Space <-- Ok

Once you have written the text that you want to enter just press "ok" to bring that text back to the screen. By clicking on "Close" it closes the keyboard without transferring the written text. If you enter text in the name or last name field, the patient archive will be filtered based on the entered data:

Select user

First Name: 

Last Name:

First Name:

Last Name:

Gender: Age:

Weight (kg): Height (cm):

Figure 3 – Patients filtering by Name field

The filtered data can be easily browsed with the blue arrows. The green line under the funnel symbol mean that a filter is active. To remove filter, reset the field, for example entering the name field and cancel all text.

Once you find the patient you want to select, just click on the green check to select him, otherwise on the red x to cancel the operation. In this case a confirmation is requested:

Will be selected the user :
JOHN SMITH

Continue?

If you want to select the shown patient tap Yes, otherwise No to go back to the user selection screen.

From the users management screen, tapping on New User you access to the new user creation screen.

New user

First Name

Last Name

Gender

Weight (kg)

Height (cm)

Age

In this screen you can enter the personal data of the new patient you want to create it. To enter each field, tap on it to show keyboard. You must enter the data correctly, otherwise the screen will show errors that need to be corrected before accepting:

New user

First Name

Last Name

Gender

Weight (kg)

Height (cm)

Age

The weight must be between 1 and 120 Kg, the height between 1 and 220 cm and the age between 1 and 100 years. Obviously the name and surname fields cannot be null. Once you have entered the correct data, you can proceed with the creation of the patient by clicking the green check or cancel by clicking on the red x.

5.7 Therapy

By tapping on the Therapy icon on the main screen, you access the configuration of the selected patient therapy parameters. If your device is the Motolife Evo version, a choice screen will appear where you need to decide which therapy to configure.



You can create arms or legs custom therapies. In case of the Motolife version, nothing is requested and the leg therapy configuration screen appears directly.

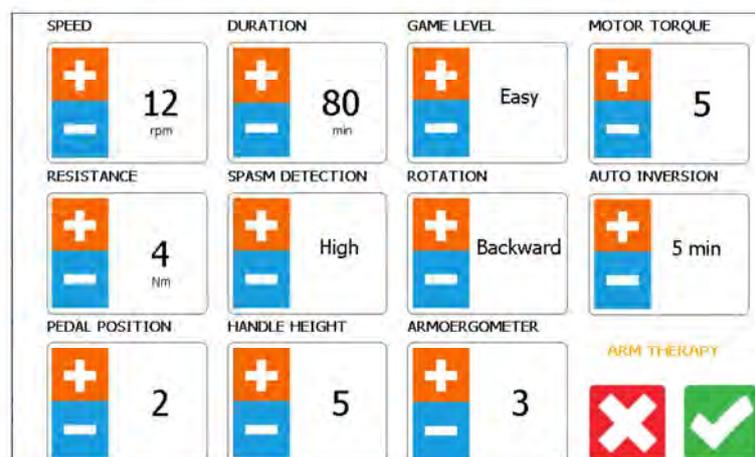


Figure 4 Arms Therapy configuration screen

In case of arms therapy, the adjustable parameters are the following:

- Motor speed in rpm (from 1 to 60, step=1) 7p
- Exercise duration in minutes (from 1 to 120, step=1)
- Game difficulty (easy, medium, hard)
- Motor torque (from 1 to 6, step=1)
- Motor resistance (from 1 to 20, step=1)
- Spasm detection sensitivity (none, low, medium, high)
- Pedal sense of rotation (clockwise, anticlockwise)
- Sense of rotation inversion during the training in minutes (no inversion or from 1 to 30 or duration with step=1)
- Handpiece position, corresponding to the hole on the crank (1,2); to enter manually to store the preference
- Handlebar position, corresponding to the height adjustment (from 0 to 9), to enter manually
- Arm ergometer position, corresponding to the depth adjustment (from 1 to 6), to enter manually

To increase or decrease values, you can act on the "+" and "-" icons. Holding down the icon for more than a second sets the values automatically incremented or decremented every 0.5s.

Once the configuration is complete, you can save it by clicking on the green check or cancel by clicking on the red x mark. In this case, a confirmation will be required:



For legs therapy setting, the screen is very similar:

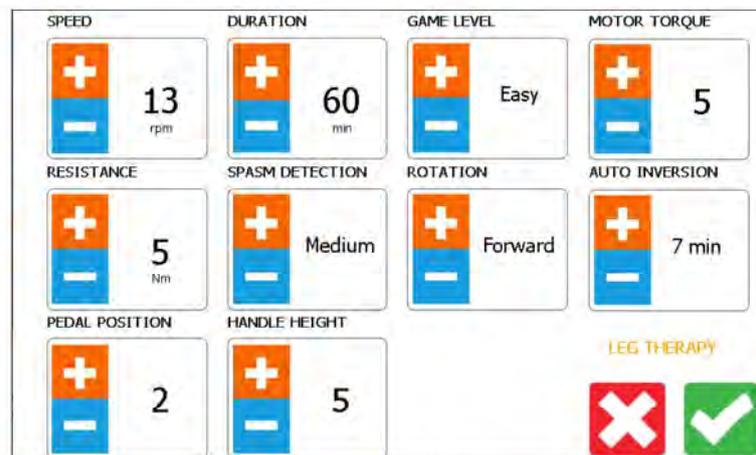


Figure 5 Legs Therapy configuration screen

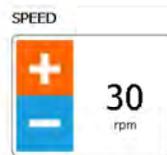
In case of legs therapy, the adjustable parameters are the following:

- Motor speed in rpm (from 1 to 60, step=1)
- Exercise duration in minutes (from 1 to 120, step=1)
- Game difficulty (easy, medium, hard)
- Motor torque (from 1 to 6, step=1)
- Motor resistance (from 1 to 20, step=1)
- Spasm detection sensitivity (none, low, medium, high)
- Pedal sense of rotation (clockwise, anticlockwise)
- Sense of rotation inversion during the training in minutes (no inversion or from 1 to 30 or duration with step=1)
- Pedal position, corresponding to the hole on the crank (1, 2, 3); to enter manually to store the preference

To increase or decrease values, you can act on the "+" and "-" icons. Holding down the icon for more than a second sets the values automatically incremented or decremented every 0.5s.

Once the configuration is complete, you can save it by clicking on the green check or cancel by clicking on the red x mark. In this case, the usual confirmation will be required. The most important parameters are explained below:

5.7.1 Speed



This parameter indicates the minimum speed at which the motor will run for the duration of the therapy. This is the passive training speed, below which you can't go. If the patient decides to pedal faster, he can do so by exceeding this motor support speed, actually entering active mode. From the moment the patient pedals the motor has a resistance set by the "Resistance" parameter.

5.7.2 Duration

9p



This parameter indicates the duration of the training session. This means that once a training session is started, after this time has elapsed the Motolife will terminate the session itself. It's always possible to terminate session before the time expires by pressing STOP button.

5.7.3 Game level



This parameter indicates how much the games present in the training phase are tolerant with respect to the objectives of the game. The harder the level, the more stringent the goal to reach. So in the case of the symmetry game it will be increasingly difficult to balance the tray.

5.7.4 Motor torque



This parameter indicates how much power the motor will use to try to move the patient's limbs during the passive phase of the movement, or as long as the motor is running at the motor support speed set in the "Speed" parameter. The higher this value is, the easier it will be for the motor to handle rigid and heavy limbs. This value makes possible to prevent the anti-spasm algorithm being conditioned by the heaviness or rigidity of the patient's limbs.

5.7.5 Resistance



This parameter indicates what resistance the motor will face from the moment the patient tries to overcome the motor support speed and pedal with his own strength, entering the active mode. The transition between passive and active phase is

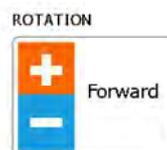
gradual but obviously the higher the resistance level, the more difficult it will be to pedal over the engine support speed.

5.7.6 Spasm detection



This parameter indicates the sensitivity of the spasm detection system. A "low" value indicates a low sensitivity of spasm detection, while a "high" value indicates a high sensitivity of spasm detection. The detection sensitivity is conditioned by various parameters including the motor torque set in the "motor torque" parameter and the speed at which you are pedalling. The most sensitive thresholds are also the fastest to react while in the lowest sensitive threshold the detection time is longer. Setting the parameter to "null" the detection system is deactivated.

5.7.7 Rotation



This parameter indicates the initial sense of rotation of the pedals: Forward and Backward.

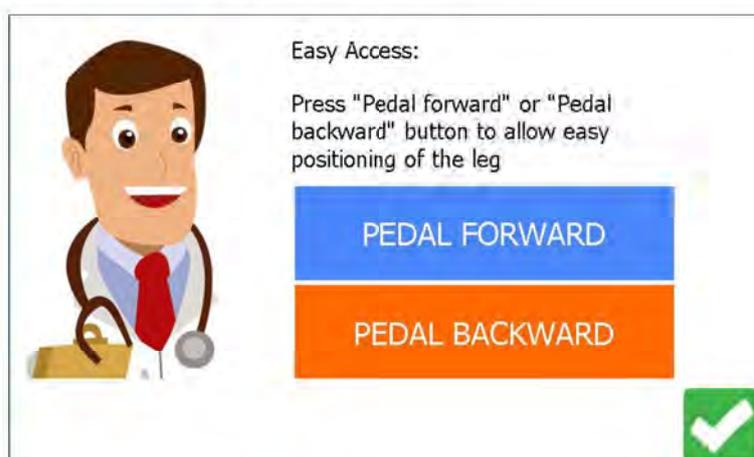
5.7.8 Auto inversion



This parameter indicates every how many minutes of training the direction of rotation is automatically reversed. None means that auto inversion is disabled.

5.8 Positioning

Tapping on the Positioning icon in the main screen, you access the feet easy positioning screen, that allows to move slowly the pedals forward and backward to make easier the feet positioning before the training.

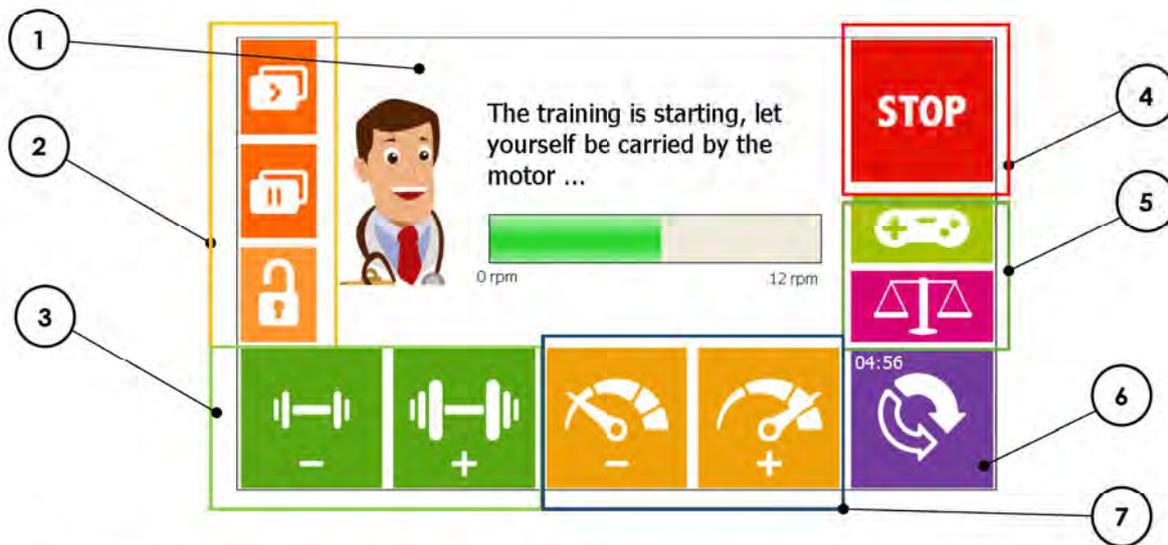


You can position the pedals in such a way as to facilitate the patient access to the device. Holding on 'Pedal Forward' the pedals will rotate clockwise as long as the

icon is pressed. When the icon is released, the rotation stops. Similarly with 'Pedal Backward' but anticlockwise.

5.9 Begin of training Start legs/arms

From the main screen it's possible to start the training tapping on 'Start Arms' (only for Motolife Evo version) and 'Start Legs'. At this point the therapy begins and the training screen is shown:



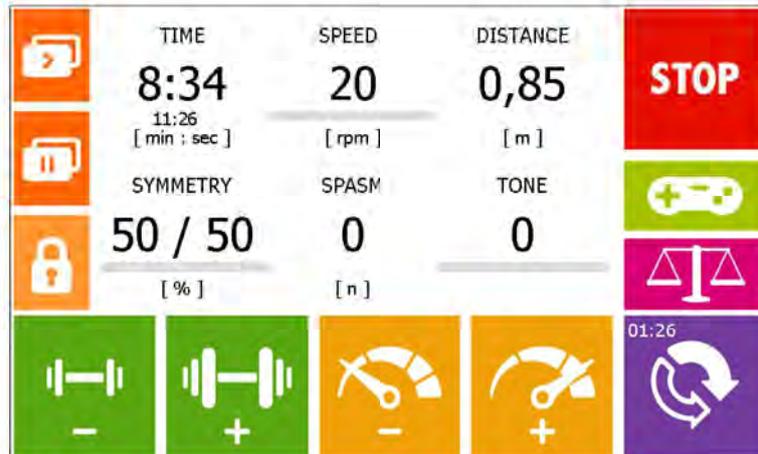
The training screen has this components:

- 1- Training active area, where all therapy parameters are shown
- 2- Display change buttons, to change what is shown on training active area
- 3- Motor resistance setting buttons, to change the motor resistance
- 4- Stop button, to pause/ stop therapy
- 5- Symmetry and Speed Games buttons, to show biofeedback games
- 6- Direction inversion button, to reverse the direction of pedalling
- 7- Motor Speed setting buttons, to change the motor speed

5.9.1 Training active area

The training active area shows a synthesis of the monitored and acquired parameters as:

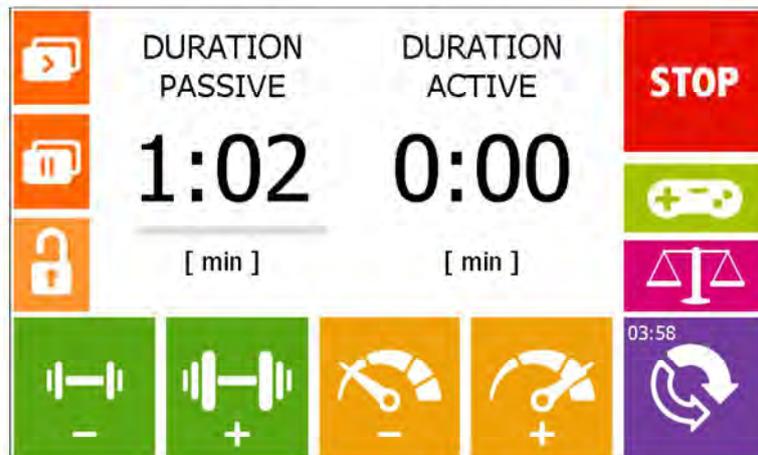
- Therapy duration
- Set speed (passive) or patient speed (active)
- Distance travelled
- Symmetry
- Spasms number
- Muscle tone (when passive)
- Power (when active)



In the training active area the system shows automatically different pages:

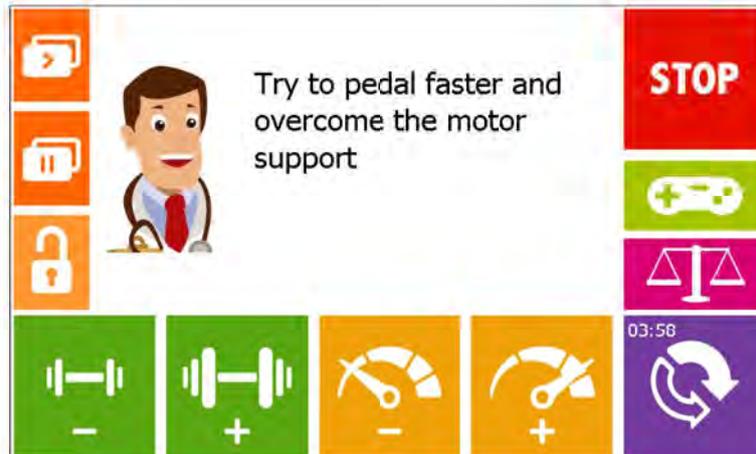
- All training parameters with Time and remaining time
- Measured speed
- Muscular Tone (passive) / Power (active)
- Distance passive and active
- Duration passive and active
- Symmetry (bars)

All the pages slide in the training active area for 10 seconds (or the number of seconds decided on settings).



When there are active and passive values, its' possible to see in real time when the active training is in progress. For example in the duration screen, the grey line below "Duration Passive" become green and shift to "Duration Active" when the pedalling become active, that means that the patient is pedalling faster than the motor support speed.

Training screens are occasionally interrupted by a doctor figure advising on therapy:

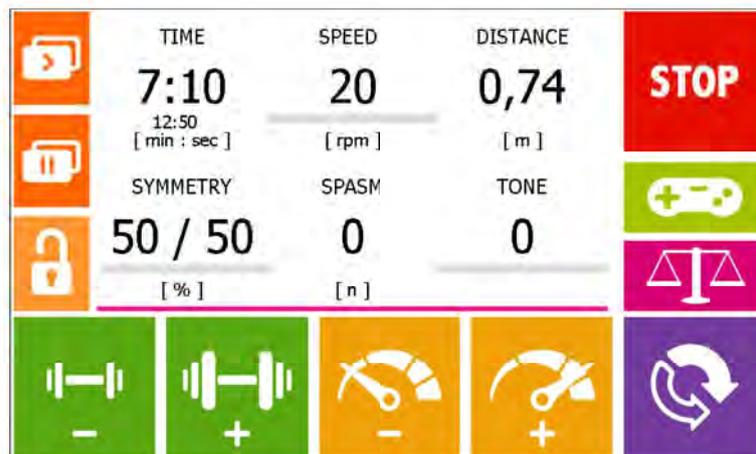


5.9.2 Display change

It's possible to stop to the desired page in the training active area tapping the pause icon:



A purple line will appear to indicate that the screen will remain on the same page:



To unlock the page tap again the pause icon. When the screen is unlocked you can navigate through the pages tapping on the following icon



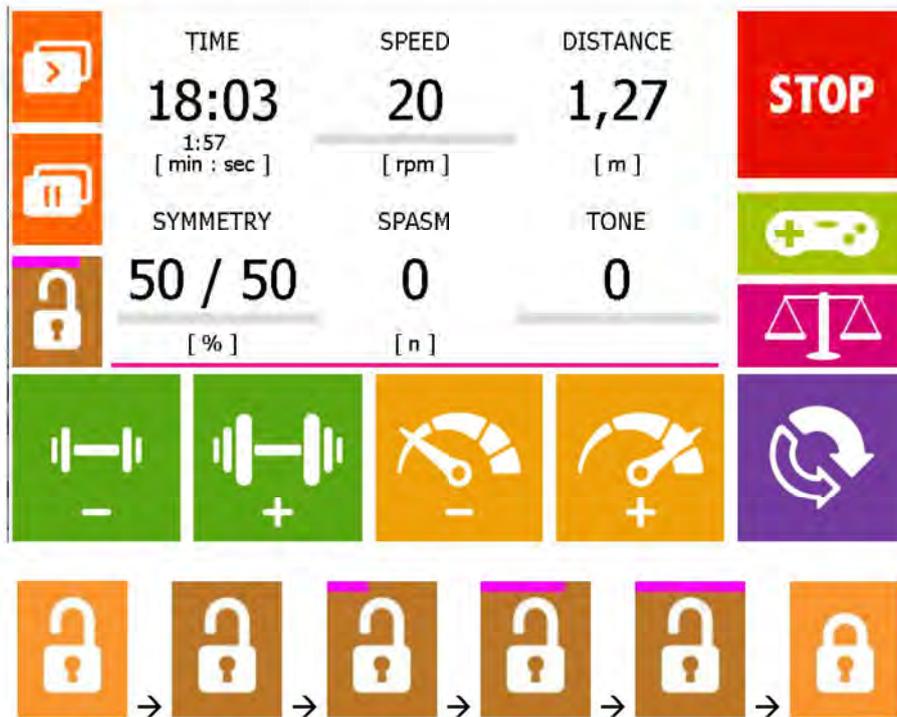
to go on the next page.

5.9.3 Lock buttons in training screen

In the training screen there is the lock icon to enable and disable the locking of the buttons, except for the stop button:

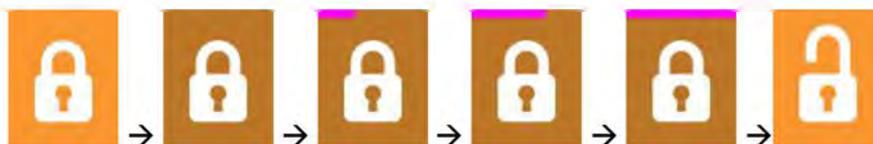


The locking of the buttons is useful when is preferable that unwanted changes to the training values are disallowed due to involuntary touch of the screen.
To lock screen, long-press (2s) the lock icon until the symbol change:



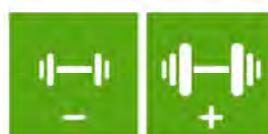
When the screen is locked all buttons are disabled and the only working button is the STOP for security reasons. When any one of the other buttons is pressed, the lock icon will blink for a while just to remember that the screen is locked.

To unlock screen is necessary to long-press (5s) the lock icon until the symbol is changed again:



5.9.4 Motor resistance settings

You can change the motor resistance by tapping on the following weight icons, to decrease (-) or increase (+) the motor resistance level



5.9.5 Motor Speed settings

You can change the motor speed by tapping on the following kangaroo and tortoise icons, to decrease (-) or increase (+) the motor speed:



5.9.6 Direction inversion

You can change the motor rotation direction by tapping on the following inversion icon:



Each time the button is pressed the rotation direction is inverted. If the inversion button shows a countdown timer, that means that it is active the auto-inversion function. When the timer expires the rotation direction is auto-inversed.

5.9.7 Symmetry game

By tapping on the scale icon, the symmetry game appears. With this game you can visually evaluate the pedalling symmetry



Peddalling harder on one side, the tray leans that side. The percentage of symmetry is shown at the top of the screen.

5.9.8 Speed game

By tapping on the speedometer icon, the speed game appears. With this game you can visually evaluate the pedalling speed.

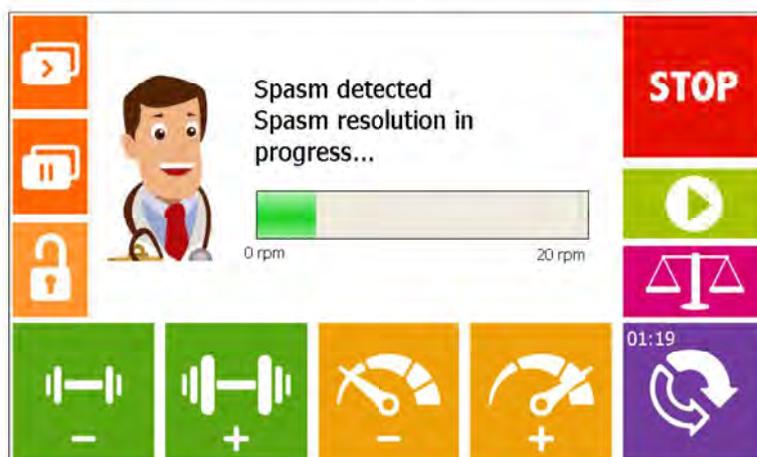




The faster the pedalling, the faster the rider will travel.

5.9.9 Spasm detection

During training, the spasm detection system is always active, unless this has been deactivated by the settings. If the device detects a spasm, the rotation of the motor is blocked and a message is shown on the screen.



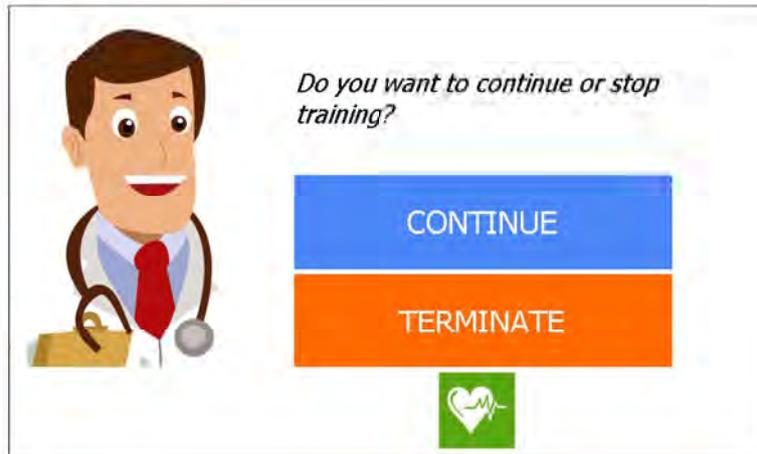
In a few seconds the engine starts gradually in the opposite direction to the previous one to try to resolve the spasm.

5.10 End of training Stop / pause

Tap on **STOP** icon to pause or finish the exercise or to change other therapy parameters without terminate the training session:



The assistant asks if you want to continue or finish the training.

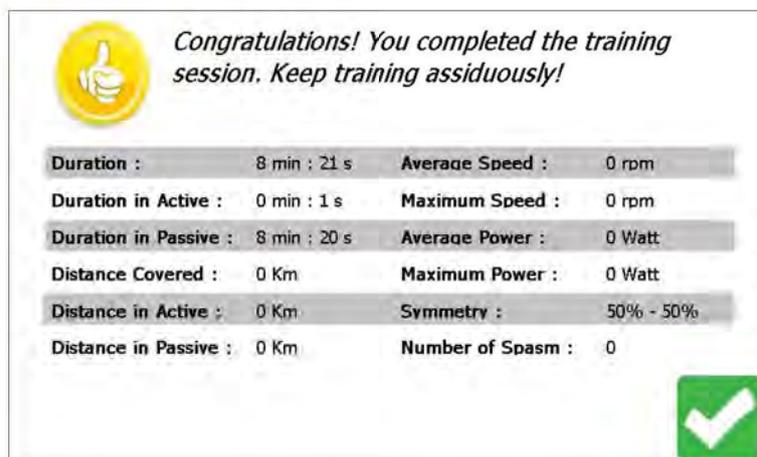


If you choose to continue, you will return to the training screen and the therapy will resume from where it was interrupted. If you want to change on the fly therapy parameters, just tap on the therapy icon



To go to the therapy settings described earlier. Changing therapy settings here allows to continue the training session with the new therapy settings just hitting the CONTINUE button.

In the event that you choose to finish, the training is interrupted and a training summary screen is presented, summarizing all of the synthetic parameters of the training just completed.



11p

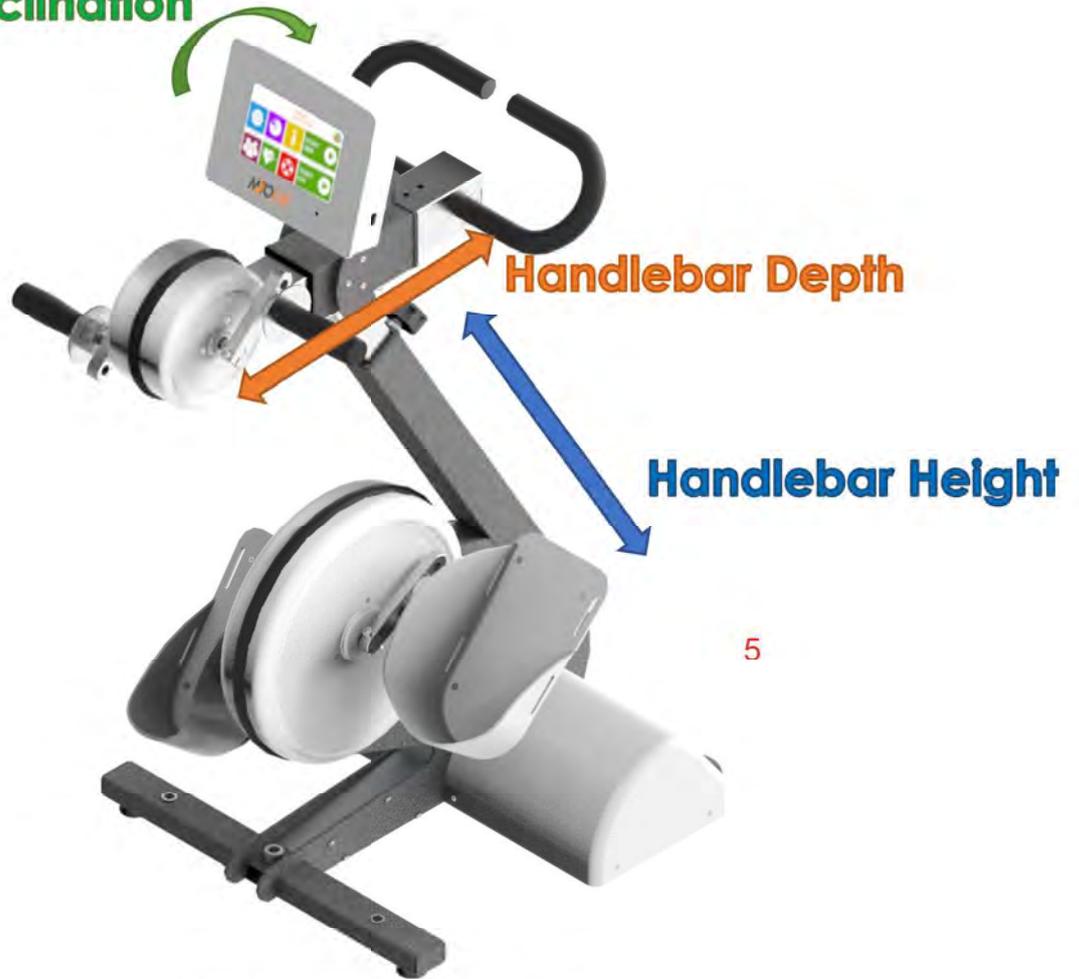
The same screen will also appear at the end of the therapy time set in the Therapy Configuration Screen (Duration), while the pedals will slowly stop. Then clicking on the check box returns to the main screen.

5.11 Adjustments

Among the possible adjustments of the Device, it is possible to adjust the handlebar height, handlebar depth (only Motolife Evo model) and monitor inclination.

Monitor Inclination

13.1



Adjustments for Motolife Evo

Monitor Inclination



Adjustments for Motolife

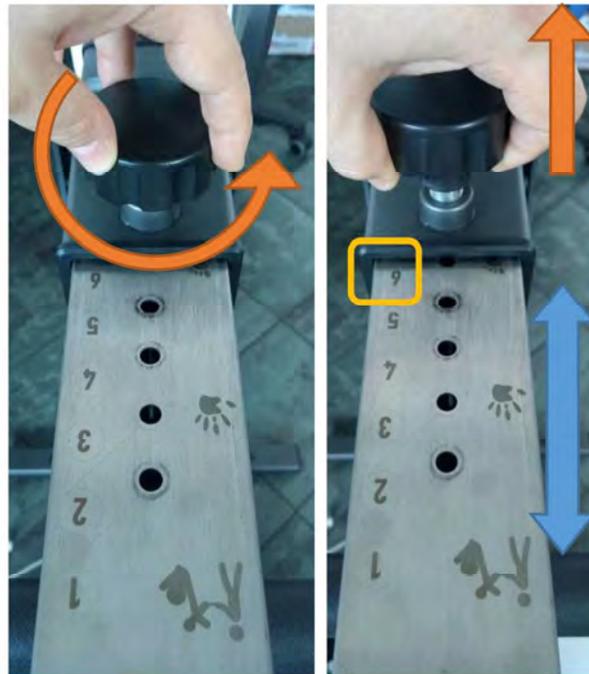


Adjustments should be made when the machine is turned off or at most when the main screen is displayed, taking care not to touch the display.

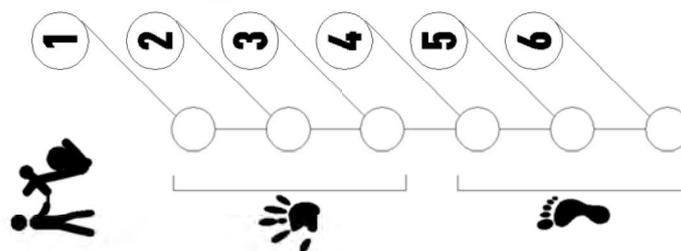
5.11.1 Handlebar Depth adjustment

To adjust the depth of the handlebar (only Motolife Evo version), rotate the depth adjustment knob located at the back of the monitor anticlockwise for 3-4 turns and then lift it up:

Type text here



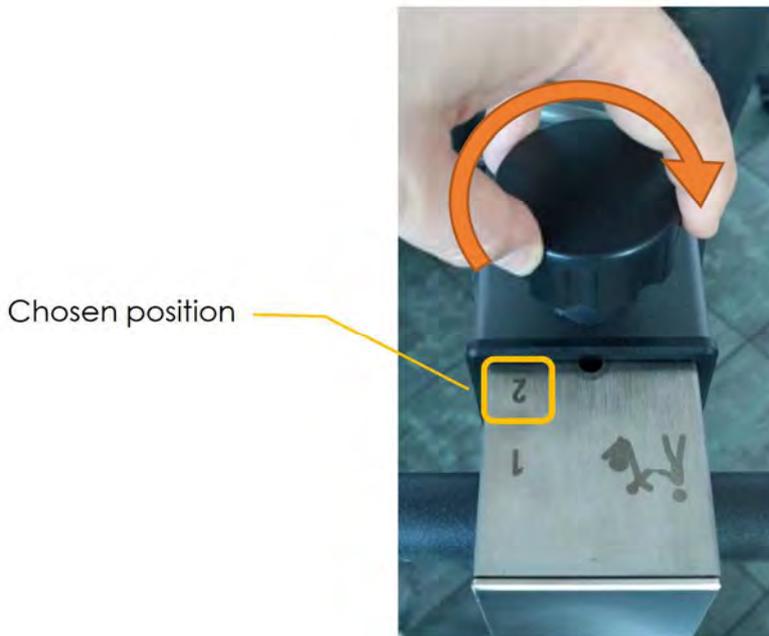
Move to the desired depth and release the knob so that it engages in the adjustment holes. Follow the engraved image to choose the position, from 1 to 6:



- 1 – Suggested position for transport
- 1 to 3 – Suggested Position for Arm training
- 4 to 6 – Suggested position for Leg training

When found the correct position, gently release the knob to allow the pin of the knob to centre the position hole.

If you do not hear the click, continue briefly adjusting the depth as long as you do not hear the metallic click and see the knob back in place. At this point, turn the knob clockwise to lock the set setting. Tighten the knob firmly.



5.11.2 Handlebar Height adjustment

To adjust the handlebar height, grab firmly the handlebar with one hand and turn the height adjustment knob with the other, turning anticlockwise for 3-4 turns and then pull:

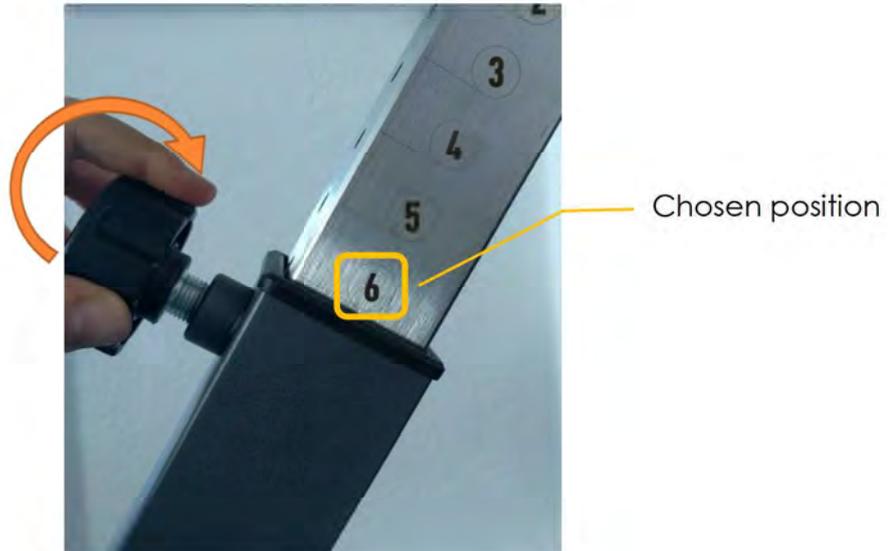


Warning

From the moment the knob is pulled, the handlebar is free to move into the tube. The Motolife Evo model is provided with a support gas spring that assists during height adjustment, while the Motolife model has no assistance. Therefore, before unlocking the knob, it is convenient to make sure that with the free hand the handlebar is held so this does not move alone.

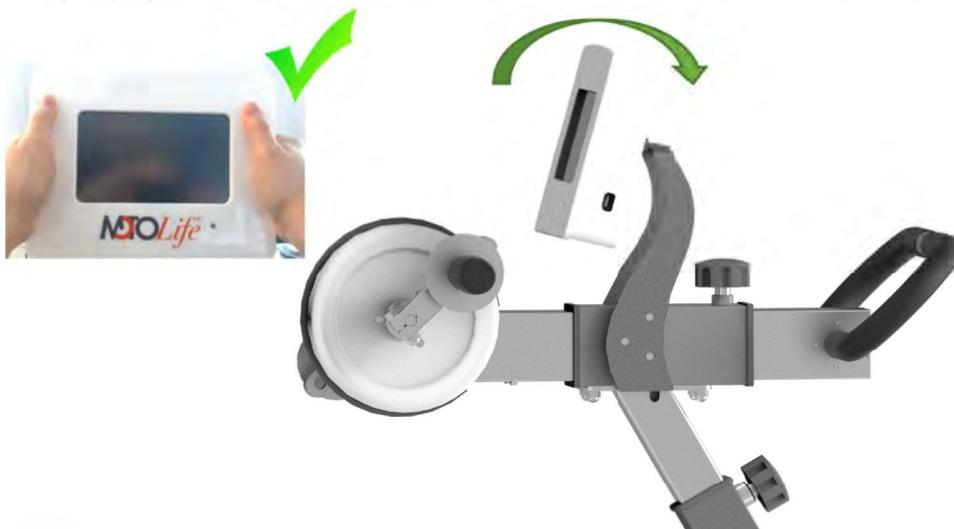
When the handlebar is unlocked is possible to adjust its height. When reached the desired position, gently release the knob to allow the pin of the knob to centre the position hole.

If you do not hear the click, continue briefly adjusting the height as long as you do not hear the metallic click and see the knob back in place. At this point, turn the knob clockwise to lock the set setting. Tighten the knob firmly.



5.11.3 Monitor inclination adjustment

To adjust the inclination of the monitor you can manually rotate it taking the monitor with both hands and exerting a slight rotation force until you find the desired inclination.



5.12 Adjustment feet

The device is equipped with four adjustment feet in order to adapt to any imperfections in the support surfaces. The rear feet are also equipped with non-slip rubber, so it is recommended not to use carpets as a base of the cycloergometer.

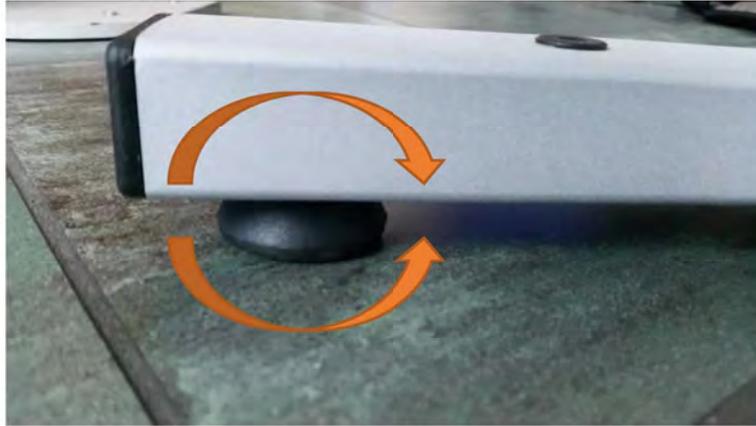


Warning

Feet adjustment should be done with the device off and possibly aided by a person. Be careful not to bang your head on the cyclo-ergometer handle when you move from an upright position to a crouched position and vice versa

5.12.1 Front feet

To adjust the front feet height turn anticlockwise or clockwise the feet until the desired height is archived.



5.12.2 Rear feet

To adjust the rear feet height turn anticlockwise or clockwise the feet until the desired height is archived.



12p



Warning

If you lift the device for the rear feet adjustment, you should have the assistance of a person holding the machine to the desired inclination.

5.13 Calf-rests adjustment

If you own the model with the accessory calf rest mounted, to adjust the height of the calf-rests, use the adjustment knobs on the back of the calf-rests to move to the desired height. To unlock the calf-rest, rotate the knob anti-clockwise and slide the calf-rest plate up or down. Once the desired height has been reached, tighten the calf-rest again by rotating the knob clockwise.

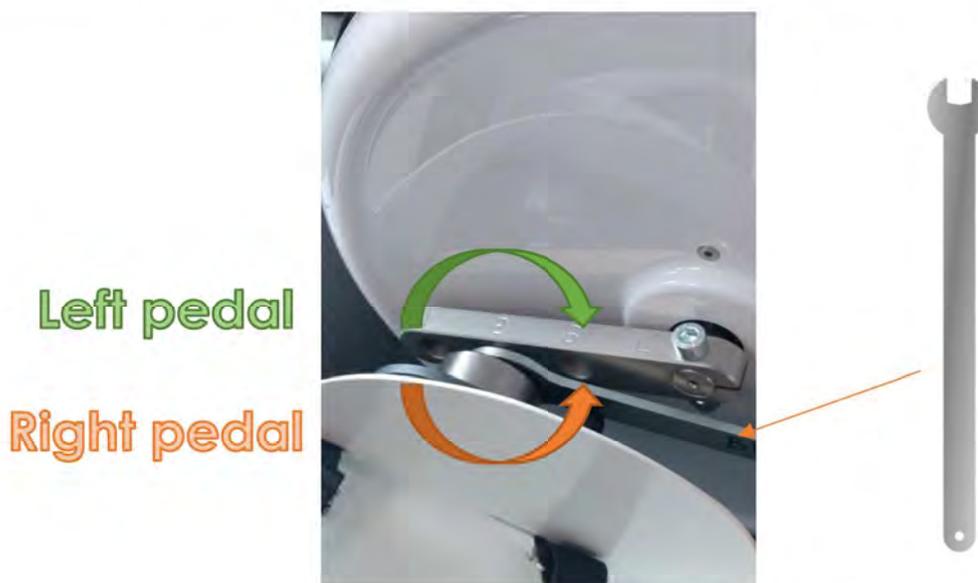


5.14 Pedal radius adjustment

Motolife pedal radius can be adjusted in 3 step:

- Position 3: 50mm
- Position 2: 85mm
- Position 1: 120mm

Pedal radius is meant from the rotation centre of the cranks. To adjust the pedal over one of the three available radius it's necessary the use of the tool included with the device. To unscrew the right pedal the tool has to rotate in counter clockwise sense, instead for the left pedal the tool has to rotate in clockwise sense.



Left pedal

Right pedal

8p

Once decided the right position 1, 2 or 3 engraved on the pedal crank itself, it is necessary to reposition the pedal pin on the chosen point with the hands and do 1-2 turns manually, acting in the opposite direction to what was done to unscrew: counter clockwise for the left pedal and clockwise for the right pedal:

Left pedal
Right pedal



Once the pin has taken the first threads correctly, you can use the tool again to finish tightening the pedal. Tighten firmly.

The same adjustment can be made for the rotation radius of the hand knobs, for the AR20012 model only. In this case the radius is adjustable in only 2 positions:

- Position 2: 70mm
- Position 1: 100mm

| | |
|---|--|
|  Warning | <p>Both pedals or both hand knobs must be positioned at the same position, otherwise the rotation will be unbalanced. For example, if the right pedal is on position 2, the left pedal must also be on position 2.</p> <p>If extreme positions are used (position 1) both for the pedals and for the hand knobs, respect the recommended positions for the depth of the handlebar to avoid collisions between hand knobs and monitors or between knees and hand knobs.</p> |
|---|--|

6 MAINTENANCE

MOTOLIFE does not require special routine maintenance, however it is good to check its parts periodically to evaluate any deterioration.

| | |
|---|--|
|  Warning | <ul style="list-style-type: none"> - If the covers or plastic footrests are cracked or broken, MOTOLIFE should not be used. - Replace the Velcro strips that secure the feet to the pedals and the calves to the calf-rests if they cannot be tighten due to wear. - To avoid the risk of electric shock, make sure the power cord is disconnected from the power outlet before cleaning MOTOLIFE |
|---|--|

Chinesport specialist maintenance is recommended every 2-3 years of operation:
During maintenance, will be done:

- Check the device's general operation

- Check the wear and eventually replace: motor, belt and bearings

It is recommended to carry out the electrical safety tests (EN 60601-1) of the device at least once every two years.

6.1 Extraordinary maintenance

Extraordinary maintenance work must be carried out by qualified technicians familiar with the contents of this instruction manual.

| | |
|---|--|
|  Warning | For all the operations not mentioned in the maintenance list or the troubleshooting table, contact the Chinesport Service Centre |
|---|--|

6.2 Spare parts

The spare parts list is provided directly by Chinesport S.p.a. on request and also includes order codes and price list.

6.3 Fuse replace

If the troubleshooting procedure leads to the conclusion that the fuse has blown and it has to be replaced, follow these instructions.

| | |
|---|--|
|  Warning | Replace the fuse with one of the same value provided by Chinesport and indicated on the label. Do not try to open the fuse drawer with the power chord still plugged in. |
|---|--|

Before all operation, turn-off the main switch and unplug the power cord from the device pulling from the power cord connector body.



Open the fuse drawer by pulling with fingers on the upper and lower end of the drawer.



Remove the blown fuse with the fingers. It's possible to help yourself with a pencil body pushing on one side of the fuse, in order to tilt the fuse body outside of drawer:



Remove the fuse and put the new fuse on the drawer, respecting the correct slot.



When the fuse is in place, close the drawer by pushing with fingers until the drawer is completely closed.



Plug back the power cord and turn-on the main switch.

7 TROUBLESHOOTING

When Motolife begin to work incorrectly, or doesn't work at all, please follow this troubleshooting chart:

| PROBLEM | CAUSE | SOLUTION |
|--|--|---|
| The device's switch light doesn't light up | Device not connected to the power line | Connect the power cord to the power line socket and to the device power socket |
| | No network voltage on the socket | Use a socket that it is known to work. Replace the socket and/or call an electrician |
| | Interrupted fuse | Replace the fuse with a fuse of the same value following the chapter 6.3 |
| The device's switch light turns on but the monitor doesn't | Possible power supply unit break | Call Chinesport Technical Support |
| | The plug under the monitor is loose or unplugged | Turn-off the main switch, unplug and re-plug the monitor cable until you hear a "click" |

If the fault detection procedure has not been successful, it is possible to open a service ticket through our web site www.chinesport.it in the Assistance section.

Please note:

Before calling our customer service department, be sure to have your SERIAL NUMBER at hand: you can find it on the product label located on the equipment (as shown in the image), or the delivery note/invoice number. This identification number helps reduce waiting times and improves service quality.



CHINESPORT S.P.A.
Via Croazia 2 - 33100 Udine - Italy
www.chinesport.it +39.0432.621621



0476

Motolife Evo - AR20012

230VAC - 50/60Hz - Max 125VA

 T 1.6A 250V L 35A

FUSE VALUE →

SERIAL NUMBER →

MADE IN ITALY

SN 190000472

 **01.2019**

NOTE:

Equipment to be repaired at Chinesport's premises must bear the "AUTHORIZATION NUMBER" on the package. This identification number, which must be obtained from our Customer Service Department, helps reduce waiting times and improves service quality.

Alternatively, you can contact Customer Service by e-mail (assistenza@chinesport.it). Users without an internet connection can send a fax (0432 621 698) or phone (0432 621 699), but our response time could be longer.

8 TAKING CARE OF THE PARTS AND CLEANING

Clean the surface of the MOTOLIFE with a soft damp cloth.

Do not use abrasive or corrosive agents or solvents and be careful not to remove the labels.

The monitor and display should only be cleaned with a soft dry cloth or products for cleaning TFT monitors, handhelds, cell phones, etc. Do not use alcohol or ammonia. It is advisable to disinfect the surfaces of MOTOLIFE from time to time, except for the monitor, with a common disinfectant always applied with a soft damp cloth; dry the surfaces well after cleaning.



Warning

Cleaning of electrical equipment must be carried out unplugged from the power grid.

- 3p The structure of the equipment is of metal and plastic. Resistance and easy maintenance make it particularly suitable for use in hospitals, nursing homes, etc. Dust with a soft, damp cloth or suede. Dry or abrasive cloths can cause surface scratches and create an electrostatic charge on the surface.

8.1 Cleaning

Spray gently and in case of slight stains, pass the surface with a damp cloth or with a neutral detergent solution. Dry by avoiding direct exposure to sunlight.

For the stained and obtuse spots (oil, grease, cosmetics, ink, coffee, liquor, chewing gum, etc.), the following instructions should be followed: discard the stain with 20% diluted ethyl alcohol in water, buffer and then treat with a neutral detergent solution, rinse well.

8.2 Disinfection

8.2.1 Personal disinfection

We recommend disinfection of the hands or parts of the body that come in contact with the patient or other surfaces using disinfectant products for external use such as AMUCHINA® 10% with the following spectrum of action:

- Bactericide in the presence of interfering substances according to EN 1276: 1997 (1);
- Fungicide in the presence of interfering substances according to EN 1650: 1997 (1);
- Bacteriological surface test according to EN 13697: 2001 (2);
- Fungicide surface test according to EN 13697: 2001 (2);
- Active on Salmonella tiphymurium according to EN 13697: 2001 (3);
- Active on: HIV (4), HAV - HBV (5), HCV (6);
- Virucidal according to EN14476: 2005 (7);
- Active on influenza H1N1 virus according to EN14476: 2005 (8).

For safe use refer to the folding instructions included in the product.

8.2.2 Surfaces disinfection

If it is deemed necessary, it is advisable to disinfect surfaces such as rubber, plastics etc. with the use of disinfectants such as AMUCHINA MULTIUSO DISINFETTANTE® with the following spectrum of action:

- Bactericide in the presence of interfering substances according to EN 1276: 1997 (1);

- Fungicide in the presence of interfering substances according to EN 1650: 1997 (1);
- Bacteriological surface test according to EN 13697: 2001 (2);
- Fungicide surface test according to EN 13697: 2001 (2);
- Active on Salmonella tiphymurium according to EN 13697: 2001 (3);
- Active on: HIV (4), HAV - HBV (5), HCV (6);
- Virucidal according to EN14476: 2005 (7);
- Active on influenza H1N1 virus according to EN14476: 2005 (8).

For safe use refer to the folding instructions included in the product.

| | |
|---|---|
|  Warning | <ul style="list-style-type: none"> • aggressive products can damage the surfaces • before reusing the equipment after cleaning, check that all components are perfectly dry • DO NOT USE: alcohol-based glasses cleaning products, abrasive compounds or solvents such as acetone, gasoline, benzene, alcohol, carbon tetrachloride or similar products. These can scratch the surface causing small cracks |
|---|---|

9 Electromagnetic compatibility information

The manufacturer declares that MOTOLIFE includes all original accessories and the power cord supplied with the device complies with the requirements of EN 60601-1-2 for electromagnetic compatibility. If the original MOTOLIFE power cord is not used, the electromagnetic emission of the device may increase and its immunity may decrease.

9.1 Manufacturer declaration – Electromagnetic emissions

MOTOLIFE is intended for use both in the home and in the clinic, in an electromagnetic environment described in the following table. The user of the MOTOLIFE must guarantee its use in the appropriate environment.

| Emission test | Conformity | Recommended electromagnetic environment |
|--|------------|---|
| Irradiated / Conducted RF emissions CISPR 11 | Group 1 | Motolife uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are unlikely to cause some interference in nearby electronics. |
| Irradiated / Conducted RF emissions CISPR 11 | Class B | Motolife is suitable for use in all environments including home environments and all those directly connected to the low voltage power supply network that supplies home-based buildings. |
| Harmonic emissions IEC61000-3-2 | Class A | |
| Voltage fluctuations and flickering IEC61000-3-3 | Compliant | |

9.2 Manufacturer declaration – Electromagnetic immunity

MOTOLIFE is intended for use both in the home and in the clinic, in an electromagnetic environment described in the following table. The user of the MOTOLIFE must guarantee its use in the appropriate environment.

| Immunity test | CEI 60601-1-2 test levels | Electromagnetic environment - Recommendations |
|--|--|---|
| Electrostatic discharges (ESD) IEC 61000-4-2 | ±8 kV contact ±15 kV air | Floors should be covered with wood, cement or ceramic tiles. If the floors are covered with synthetic material, the relative humidity must be at least 30%. |
| Fast Transient / Electric Burst IEC 61000-4-4 | ±2 kV for power lines ±1 kV for input/output lines | Network power quality must be in accordance with typical commercial or hospital applications. |
| Overvoltage surge IEC 61000-4-5 | ±1 kV differential mode 1.2/50us ±2 kV common mode | Network power quality must be in accordance with typical commercial or hospital applications. |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | 100% U_T (0% dip in U_T) for 0.5 cycles 100% U_T (0% dip in U_T) for 1 cycle 30% U_T (70% dip in U_T) for 25 cycles 0% U_T (100% dip in U_T) for 250 cycles | Network power quality must be in accordance with typical commercial or hospital applications. If the user of the Motolife needs continuous operation even when the power supply is interrupted, it is advisable to power it through a UPS. |
| Mains frequency magnetic fields (50/60 Hz) IEC 61000-4-8 | 30 A/m | Network frequency magnetic fields must be attuned to the levels typical for a standard network used for commercial or hospital use. |

U_T is the input common mode voltage before the application of test levels

| Immunity test | CEI 60601-1-2 test levels | Electromagnetic environment - Recommendations |
|--------------------------------|--|---|
| Conducted RF IEC 61000-4-6 | 3 Vrms Modul. AM 80% 1kHz 150 kHz – 80 MHz | Portable and mobile RF communication apparatus must not be used near any part of the Motolife, including cables, of the recommended separation distance calculated from the equation applicable to the transmitter frequency. Recommended Separation Distance $d = 1.2 \sqrt{P}$ $d = 1.2 \sqrt{P}$ 80 MHz – 800 MHz $d = 2.3 \sqrt{P}$ 800 MHz – 2.7 GHz Where P is the estimate of the maximum output power of the transmitter in Watts (W) according to the manufacturer of the transmitter and d is the recommended separation distance in meters (m). |
| Irradiated RF IEC 61000-4-3 | 10 V/m Modul. AM 80% 1kHz 80 MHz – 2.7 GHz | |

| | | |
|--|--|---|
| | | <p>The field of energy from fixed RF transmitters, as determined by an electromagnetic field study^a, must be below the conformance level in each frequency range^b. Interference may occur near the devices marked with the following symbol:</p>  |
| <p>NOTE 1 At 80 MHz and 800 MHz, the separation distance is applied for the highest frequency range. NOTE 2 These guidelines can not be applied in all situations. Electromagnetic propagation is subject to absorption and reflection by structures, objects and people. a) The field of energy from fixed transmitters, as base stations for mobile phones (cellular / cordless) and mobile cellular radio systems, amateur radio, AM and FM radio broadcasts and television can not be predicted theoretically with precision. To estimate the electromagnetic environment due to fixed RF transmitters, it should be considered an electromagnetic field survey. If the energy field measured in the space where the Motolife is used exceeds the applicable RF compliance level, Motolife must be tested to check its normal operation. If an abnormal activity is found, additional measures may be required, such as reorientation or repositioning of Motolife. b) Beyond the 150 KHz-80 MHz frequency range, the power range must be less than 3 V / m.</p> | | |

9.3 Recommended separation distances between RF portable communication devices and mobiles and MOTOLIFE

MOTOLIFE is designed for use in an electromagnetic environment where disturbances of radiated RF are controlled. The customer or user of MOTOLIFE can help to prevent electromagnetic interference while maintaining a minimum distance between portable and mobile RF transmitters and Motolife as recommended below, in relation to the maximum output power of the communication device.

| Transmitter maximum output power estimate (W) | Separation distance according to transmitter frequency (m) | | |
|---|--|---------------------------------------|--|
| | 150 kHz – 80 MHz $d = 1,2\sqrt{P}$ | 80 MHz – 800 MHz $d = 1,2\sqrt{P}$ | 800 MHz – 2.7 GHz $d = 2,3\sqrt{P}$ |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.38 | 0.38 | 0.74 |
| 1 | 1.2 | 1.2 | 2.3 |
| 10 | 3.8 | 3.8 | 7.4 |
| 100 | 12 | 12 | 23 |

For transmitters considered at the maximum output power not shown above, the separation distance in meters (m) recommended can be calculated using the equation applicable to the transmitter frequency, where P is the estimate of the maximum output power of the transmitter in Watts (W) according to the manufacturer of the transmitter.

Note 1: At 80 MHz and 800 MHz, the separation distance for the highest frequency range applies.

Note 2: These guidelines cannot be applied in all situations. Electromagnetic propagation is subject to absorption and reflection by structures, objects and people.

10 TECHNICAL DATASHEET AND MAIN DIMENSIONS

Main features:

| Dimensions and weight | | |
|---------------------------------|---------------|--------------------------------|
| Height | | 120cm |
| Width | | 58cm |
| Length | | |
| | Legs and arms | 52cm |
| | Legs only | 82cm |
| Weight | | |
| | Legs only | 48kg |
| | Legs and arms | 56kg |
| Supply | | |
| Europe | | 220-240V ~/50-60Hz - 0,83A |
| USA, Canada | | 110-120V ~/50-60Hz - 1,6A |
| Fuse | | 1xT 1,6A 250V |
| Power consumption | | |
| Not-operating | | 5W |
| Operating | | max. 200W |
| Pf | | >0,88 |
| Environmental conditions | | |
| Working temperature | | 0°C to 40°C / 32°F to 104°F |
| Storage | | -25°C to 70°C / -13°F to 158°F |
| Humidity | | 0% to 80% without condensation |

Protection class

Class II, Type BF

Other features

- Minimum pedal centre of rotation height from the ground: 35cm
- Maximum base width: 58cm
- Maximum base length: 52cm (with arms accessory: 82cm)
- Maximum weight: 48kg (legs only) and 56kg (with arms accessory)
- Maximum pedals speed (active): 100rpm
- Maximum pedals torque: 20Nm
- Nominal pedals torque: 8Nm
- 20 resistance values (0.5Nm step, approx.)
- 3 positions adjustable pedal: 50mm, 85mm, 120mm from the centre of rotation
- 2 positions adjustable arms crank: 70mm, 100mm from the centre of rotation
- Standard joints for pedals and arms cranks 9/16x20 TPI
- Balanced pedals with calf-rests so that don't tip over until 15rpm
- Height adjustable handlebar so that the user can easily reach the monitor
- Handlebar adjusting range 22.5cm
- Arms accessory adjusting range 22.5cm
- Arm accessory hand knobs adjusting range 12.5mm

11 WARRANTY

CONDIZIONI GENERALI AFTER-SALES SERVICE CONDITIONS FOR CHINESPORT ITEMS

The warranty shall be valid for a period of 24 months from the date of delivery.

The warranty does not cover consumable items, rechargeable batteries, and generally all materials subject to wear, breakdowns caused by knocks, falls, misuse or improper use, accidental events and damage while being transported. This warranty shall be automatically invalidated if the equipment is tampered with.

Repair of the equipment will be carried out in relation to the breakdown reported.

A quotation must be specifically requested.

Payment is cash on delivery, unless otherwise agreed.

Any dispute will be settled solely by the Court of UDINE.

REPAIRS UNDER WARRANTY

Repairs under warranty must be specifically requested.

Repairs under warranty shall be carried out at our workshop and upon authorization, complete with the return authorization number.

Products are to be shipped in their original packaging, carriage paid.

A fiscal document (bill of sale, purchase invoice or cash receipt) is required to make a warranty claim; the purchase date indicated must fall within the warranty time period.

If the product is found to be in good working order without defect, the customer will be charged for the fault-finding service.

REPAIRS NOT UNDER WARRANTY

For repairs not covered by the warranty carried out at our workshops upon authorization, transportation charges shall be paid by the customer.

The warranty on the parts replaced during repair operations is 12 months from the moment the equipment is collected.

If the product is found to be in good working order without defect, the customer shall be charged for the fault-finding service.

REPAIRS DONE AT HOME

If repairs are done at the customer's home, a written request is required indicating the complete details of the person making the request, the type of machine and the breakdown.

The cost per kilometer for on-site technician visits will be agreed upon in relation to the customer's urgency.

If the device is under warranty, the customer will have to pay only the expenses incurred for the technician to reach the customer's house.

Time is calculated from the moment the technician leaves our workshop until they return. The time of his/her return will be estimated based on the time required to get there.

SALE OF SPARE PARTS AND CONSUMABLE ITEMS

Orders must be in writing and state the customer, the item and the shipping method as well as the customer's precise fiscal details.

The order processing time can vary depending on the availability of the material.

Returned spare parts will not be accepted.

Payment will be cash on delivery, unless otherwise agreed.

12 DISPOSAL OF ELECTRICAL OR ELECTRONIC EQUIPMENT

The symbol found on the equipment indicates that the waste must be “collected separately”.



Therefore, the user shall take the waste to the separate waste collection points arranged by local authorities, or deliver it to the sales dealer against purchase of equivalent equipment (only in Europe). The separate collection of waste and subsequent treatment, recovery and disposal operations promote the production of equipment using recycled materials and reduce the negative effects on the environment and health that improper waste management can cause.

Fraudulent disposal of the product will result in an administrative fine being imposed on the user by Authorities according to local Laws.

AC1078

LEG SUPPORTS



ENGLISH

USER AND MAINTENANCE MANUAL



6p



DTIU000383
REV. 000
02.2025



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GENERAL INFORMATION

1 GENERAL INFORMATION

This manual contains information for practical, correct and safe use of the device and is intended for reading by specialised personnel and the user of the product. It is recommended that you read the entire manual carefully before using the product.

If you have any doubts or need clarification, please contact your dealer who will be able to advise you correctly.

The importance of reading and understanding the user manual is highlighted on the product by the following symbol:



Consult the instructions for use

1.1 MANUFACTURER



CHINESPORT S.P.A.

Via Croazia, 2 - 33100 Udine - Italy



+39 0432.621.621



<https://www.chinesport.com>



export@chinesport.it

The manufacturer produces in accordance with the quality standard UNI EN ISO 13485:2016

2 PRODUCT DESCRIPTION AND GENERAL INFORMATION

2.1 DESCRIPTION

Adjustable calf rest to allow the Motolife to be used by people with problems of adduction or abduction of the legs by keeping them firmly anchored to the pedals.

2.2 INTENDED USE

Adjustable calf straps. Accessory to be used only with the Motolife medical device.



The use of the device for purposes other than those defined in this manual is prohibited

The manufacturer declines any responsibility for damage to persons or property resulting from improper use of the device or in any case other than that provided for in this manual.

The manufacturer reserves the right to make changes to the product and the manual without prior notice in order to improve its characteristics and performance.

2.3 USERS

The intended users of Motolife are all patients with paralysis or reduced leg or arm mobility, and more generally all patients who may benefit from movement therapy that do not fall within the exclusions of the contraindications. The minimum requirement for the use of Motolife is for the user to be able to sit in a standing position. In order to be able to train on his own with MOTOLIFE, the user must be able to operate MOTOLIFE on his own, after careful reading of the manual or after proper instruction from specialized personnel. Otherwise, constant supervision of a suitable and properly trained person during therapy is required. Motolife can be used by laypersons after reading the manual.



It is up to the specialist to judge the physical fitness of the patient for whom the product is intended to be used.

Use under operator supervision is always recommended.

2.4 PATIENT GROUPS AND CLINICAL CONDITIONS

Patients with limited arm and/or leg mobility as a result of:

- Neurological disorders e.g. cerebral stroke, multiple sclerosis, Parkinson's disease, post-polio syndrome, head trauma, childhood cerebral palsy, cerebral palsy, spina bifida, paraplegia or tetraplegia
- orthopedic disorders such as rheumatitis, osteoarthritis, total knee or hip endoprosthesis, injury of the knee ligaments
- Cardiovascular and metabolism disorders (p.es. arteriosclerosis, type 2 diabetes

PRODUCT DESCRIPTION AND GENERAL INFORMATION

mellitus, high blood pressure, PVD, osteoporosis)

- supplementary therapy for patients under treatment dell'haemodialysis, with chronic obstructive pulmonary disease or with very low overall physical potential
- circulatory disorders of the legs and organs
- geriatric conditions or other diseases leading to restriction of movement capacity

2.5 USE ENVIRONMENT

The device is designed for use both in a hospital environment where specialized personnel are required and in the home healthcare environment where supervision by trained personnel is not required.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|------------------------------------|---------------------------------------|
| 0 °C ~ 40 °C | 0% ~ 80% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.6 STORING

Store in a dry place at room temperature. Avoid excessive pressure and contact with discolouring materials. Avoid excessive exposure to direct sunlight.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|-------------------------------------|---------------------------------------|
| -10 °C ~ 50 °C | 10% ~ 90% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.7 MANUFACTURER'S DECLARATIONS

The manufacturer declares that

- the device is not a measuring instrument
- the device is not intended for clinical investigation
- the device is not sterile and is not for single use
- for a correct functioning and for the safety of the user, it is necessary that the ordinary maintenance operations are carried out as described in the relevant paragraph.
- device cannot be used for purposes other than those stated in this manual

GENERAL WARNINGS

3 GENERAL WARNINGS

Always refer to this manual for proper use of the device. The manual must always be kept near the equipment in such a way as to facilitate consultation.

- Store the device in an environment that complies with the labels on the packaging and the specifications in this manual
- The useful life of the product is 5 years in accordance with the correct execution of the ordinary maintenance operations provided for in this manual. It is strictly forbidden to use the device beyond its stated useful life. At the end of its useful life, it is possible to proceed as described in the relevant paragraph
- The manufacturer shall not be liable, to the fullest extent permitted by applicable law, for any direct or indirect, special, incidental or consequential damages caused by:
 - o Wrong use of the device
 - o Improper use of the device and outside of its intended use
 - o Use of the device connected to unsuitable electrical systems
 - o Use of the device beyond the useful life stated in this manual
 - o Using the device in environments not covered by this manual
 - o Use with ineligible patients
 - o The distraction of operators or incorrect application of commands and adjustments
 - o Use without checking the status of the device as described in the relevant paragraph
 - o Incorrect maintenance or lack of maintenance
 - o Use with parts or accessories that are not compatible or not approved by the manufacturer
 - o Incorrect disposal or disposal is other than as described in this manual

3.1 SERIOUS INCIDENTS



In the event of major accidents involving the device, the user shall notify the manufacturer and the competent authority of the Member State in which the device is installed in good time.

3.2 SYMBOLS ON LABELS



Refer to the user manual



CE marking

GENERAL WARNINGS



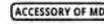
Manufacturer



Unique reference of the model



Equipment serial number



Medical device accessory



Unique Device Identifier



Identification of the country of production under ISO 3166-1 alpha-3 code (Italy)

3.3 SYMBOLS IN THIS MANUAL

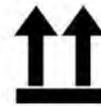


Warning! This symbol indicates that you must pay particular attention to the instructions next to it. These are generally safety guidelines.

3.4 SYMBOLS ON PACKAGING



Fragile



Keep this side at the top



Recyclable



Do not use sharp blades to open



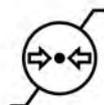
Keep dry



Storage temperature range. It is accompanied by an indication of the minimum and maximum allowed values



Storage humidity range. It is accompanied by an indication of the minimum and maximum allowed values



Storage atmospheric pressure range. It is accompanied by an indication of the minimum and maximum allowed values

GENERAL WARNINGS

3.5 CONTRAINDICATIONS AND SIDE EFFECTS

The same contraindications apply for the Motolife medical device.

In some rare cases, there have been observed some side effects that can be attributed to pain increase after the therapy session, skin damage such as decubitus and muscle tone reduction.

MOTOLIFE is contraindicated in the following cases:

- Users with a body weight above 120 kg
- Users with a height below 120 cm or above 200 cm
- Users with severe contracture
- Users with open wounds on body points that come in contact with the device (when in doubt, contact a doctor)
- Advanced osteoporosis
- Imperfect osteogenesis
- Users with unstable circulation, e.g. because bedridden for a long time
- Users with a greatly reduced range of motion, for which even a small motorized passive training can be a risk of injury
- Outdoors
- Autonomous non-supervised training, if the user is not able to use MOTOLIFE by itself
- Users with cardiac and circulatory insufficiency
- Continuous and repetitive spasms

It is recommended that you consult your doctor in advance.

For users with a height of less than 120 cm, it's necessary to use a specific configuration of MOTOLIFE. Before starting workout, talk to your doctor, therapist or authorized reseller.



Warning!

Always consult your doctor in cases of:

- hypo-hypertension following physical exertion
- respiratory failure

3.6 USE RESTRICTIONS

Always use in accordance with the intended use and with patients meeting the weight requirements on the product label.

GENERAL WARNINGS

Never use the device under the following conditions:

- If the original product has been tampered with or modified
- When there is suspicion that it may cause harm to the patient.

4 PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

4.1 CONTENTS OF THE PACKAGE

- 2 Leg supports, 1 right and 1 left
- 2 M10 self-locking nut
- 1 wrench 17/19 mm

4.2 UNPACKING

The product is delivered in a suitable cardboard packaging so that it can be received intact and functional. To open the package and remove its contents, pay attention to the warnings and symbols on the package itself.

Any damage due to transportation must be promptly reported to the carrier and supplier: Damaged subsidies must not be used

Dispose of the packaging and the resulting material in an appropriate manner and follow the instructions in the packaging and in this manual.



Remove devices from packaging without using a cutter to avoid damage and properly dispose of packaging.

PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

4.3 PRODUCT

4.3.1 AC1078



- 1 Calf strap
- 2 Calf pillows
- 3 Calf rest height adjustment

5 ASSEMBLY AND FIRST USE

5.1 INSTALLATION

The calf supports are fitted to the Motolife pedals. The procedure shown is for the left pedal but is valid also for the right pedal. If you want to mount the metal eyelets toward the opposite side of the patient, simply invert the right calf support with the left calf support.

| | | |
|---|---|---|
|  |  |  |
| 20 min | 1 / 1 | Wrench |

ASSEMBLY AND FIRST USE

| # | Operation | Reference |
|-----|--|--|
| 001 | Remove the black cap protecting the threaded pin from the pedal |  |
| 002 | Insert calf support (right on right pedal, etc.) in the pedal pin, keeping the part with the cushion toward the inside of the pedal and the part with the metal slot toward the rear of the pedal. |  |
| 003 | Insert the self-locking M10 nut from the kit and screw on with the size 17 wrench supplied. If you want a little clearance, don't overtighten. Otherwise tighten until fully tightened. |  |

ASSEMBLY AND FIRST USE

5.2 FIRST TIME USE

Before proceeding with the first use, it is necessary to read this instruction manual. Make sure that the product corresponds to what is described in this manual and that the contents of the package coincide with what is described in the relevant paragraph. Before using the product for the first time:



Make sure there are no obvious signs of damage or tampering

6 USE

6.1 WARNINGS BEFORE USE

Before each use make sure that:



- The product does not show any obvious signs of tampering or damage
- The product has been sanitised in the parts in contact with the user
- The physical and clinical condition of the user has been assessed and found to be appropriate for the use of the device
- The operating environment is in accordance with the provisions of this instruction manual
- There are no particular hazards in the areas around the device (shelves, obstacles, flammable materials, etc. ...)

6.2 USE OF THE DEVICE

Before starting Motolife therapy, once the seat has been adjusted and secured, the legs must be placed on the pedals. Follow these steps to adjust and secure the calf rest:

| # | Operation | Reference |
|-----|---|---|
| 001 | <p>To adjust the height of the calf pads, use the adjustment knob on the back of the calf pad to adjust to the desired height. Turn the knob anti-clockwise to unlock the calf support. Slide the calf support deck up or down.</p> |  A close-up photograph of the calf support mechanism. A black adjustment knob is located on the back of the calf pad. An orange curved arrow indicates the knob should be turned anti-clockwise. A long orange double-headed arrow points vertically, indicating the calf support deck can be moved up or down. The device is white and black, and a white cup is visible at the bottom. |

| # | Operation | Reference |
|-----|---|--|
| 002 | Once the desired height has been reached, tighten the calf-rest again by rotating the knob clockwise. |  |
| 003 | Tighten the calf with the strap and tighten tightly. |  |

7 MAINTENANCE AND SERVICE LIFE

7.1 ROUTINE MAINTENANCE

Scheduled maintenance is required for proper operation of the device, proper use, patient and operator safety, and performance assurance of the device.

Ordinary maintenance work may be carried out by specialised operators or authorised technical personnel.

After each use, clean and dry before storing the glove.

It is recommended to keep it clean at all times to extend the life of the product.



For all operations not included in the maintenance list, please contact the Chinesport service center

8 CLEANING

It is necessary to clean the device at the end of each use if the device is intended for different users.

Follow the precautions in [GENERAL WARNINGS](#) ⁸.

8.1 WASHING

Dust off gently and in case of light stains, wipe the surface with a damp cloth or a mild detergent solution, rinsing with water. Dry without direct sunlight.

For localized and more stubborn stains (oil, grease, cosmetics, ink, coffee, liqueurs, chewing-gum, etc.) the following instructions are recommended: dissolve the stain promptly with diluted ethyl alcohol (colorless liquid) in 20% water, buffer and then treat with a mild detergent solution. The cushion can be removed and machine washed. Follow the washing instructions on the label.

8.2 DISINFECTION

For disinfection of the product use disinfection with a low chlorine content, such as AMUCHINA® 10% or equivalent solutions with a concentration of 0.1% sodium hypochlorite and the following spectrum of action:

- bactericide in the presence of interfering substances according to EN 1276:1997;
- a fungicide in the presence of interfering substances according to EN 1650:1997;
- bactericidal surface test according to EN 13697:2001;
- fungicide surface test according to EN 13697:2001;
- active on Salmonella Typhimurium according to EN 13697:2001;
- active on: HIV, HAV - HBV, HCV;
- virucide according to EN14476:2005;
- active on H1N1 influenza virus according to EN14476:2005.

For safe use, refer to the instruction leaflet included in the product

9 DISPOSAL



The symbol on the label of the equipment indicates that the waste must be subject to "separate collection".

Therefore, the user must either hand over the waste to the separate waste collection centres set up by the local authorities or hand it over to the retailer against the purchase of new equipment of an equivalent type. Separate waste collection and subsequent treatment, recovery and disposal operations promote the production of equipment with recycled materials and limit any negative effects on the environment and health caused by improper waste management. Improper disposal of the product by the user could result in the application of administrative penalties.

Refer to European Directives 2018/851/EU and 2018/852/EU, national transpositions and local regulations regarding the correct disposal of waste.

Identify the items to be disposed of according to the following classification.

| PART | DISPOSAL |
|-----------------|--|
| Outer packaging | Recycle or dispose of cardboard and wood parts |

DISPOSAL

| | |
|-----------------------|--|
| Inner packaging | Recycle or dispose of polystyrene, nylon and plastic parts |
| Electronic equipment | Disassemble and handle according to the WEEE Directive |
| Metal structure | Recycling as metal |
| Padded panels, slings | Dispose of as plastics, fabric and polymers |

The waste code is a numeric code (EWC or CER code) that determines the disposal path of a hazardous waste type based on its material and/or chemical composition. Directive 91/689/EEC, replaced by Decision 2000/532/EC, defines the different types of waste and assigns CER codes. The following is a list of relevant CER codes for the device AC1078.

| CER CODE | DESCRIPTION |
|----------|-------------------------------|
| 150101 | Paper and cardboard packaging |
| 150102 | Plastic packaging |
| 150103 | Wooden packaging |

10 WARRANTY

10.1 GENERAL CONDITIONS

All Chinesport products are warranted against defects in materials or workmanship for a period of 24 months from the date of sale of the product, except for any exclusions, limitations or conditions defined at the time of delivery of the product.

The warranty is not valid in case of improper use, tampering with the device, abuse or modification of the product or for any use or operation not explicitly mentioned in this manual.

The warranty is not valid if the device has not been correctly maintained and documented in accordance with this manual, or if the instructions regarding storage, cleaning and sanitation are not followed.

The manufacturer is not responsible for any damage or injury or any situation caused by incorrect installation or configuration of the device or using equipment that does not comply with the instructions in the installation, assembly and operating manuals.

The manufacturer does not guarantee its products against defects or damages in the presence of extraordinary conditions such as: natural disasters, unauthorised maintenance and repairs, improper power supply (where applicable), use of parts or components or accessories not original, shipping damage not directly managed by the manufacturer, lack of maintenance, obvious negligence on the part of the user or operator.

The warranty does not cover consumables, rechargeable batteries, and in general all material subject to wear, failures caused by knocks, falls, incorrect or improper use, accidental events, transport damage. If the equipment is tampered with, the warranty is automatically cancelled.

10.2 WARRANTY REPAIRS

In the case of a report of defects in materials or workmanship, the manufacturer assesses whether the defect is covered by warranty.

Warranty repairs must be expressly requested and are to be understood in our laboratory, subject to authorisation and with the issue of the return number.

For products sent in their original packaging, the return shipment will be made freight free.

For warranty repairs, a fiscal document is required where the date of purchase is within the warranty period (sales note, purchase invoice, fiscal receipt).

Labour costs for warranty repair (when the warranty conditions are valid) are borne by the manufacturer.

Repairing or replacing a product does not renew or extend the terms and expiration dates of the warranty.

10.3 OUT-OF-WARRANTY REPAIRS

Non-warranty products can be repaired by the manufacturer by returning them after having been authorised by the technical assistance service. The costs of repair, including shipping, materials and labour, are to be understood as being borne by the customer or the retailer. The parts and components being repaired are considered to be covered by warranty for 24 months from the date of receipt of the repaired device

10.4 NON-DEFECTIVE PRODUCTS

In the event that the manufacturer does not find any malfunction or defect in the returned products, it is concluded that the product is not to be considered as defective. Shipping and device management costs will be charged to the customer or distributor.

10.5 HOME REPAIRS

In case of repair at the customer's premises, a written request must be made indicating the complete details of the applicant, the type of machine and the fault.

The kilometric cost for the technician's transfer is to be agreed in relation to the customer's urgency.

In the event that the machine in question is under warranty, only the costs of the transfer will be charged.

The time is counted from the departure of the technician from our laboratory until his return, the time of return will be estimated on the basis of the time spent on the outward journey.

10.6 REPLACEMENT PARTS

A detailed list of all spare parts can be obtained from the manufacturer.

Spare parts are sold following a formal request for an offer to the technical assistance service. Processing times are related to the availability of the parts. Returns for spare parts are not accepted.

The payment will be cash on delivery unless otherwise agreed.



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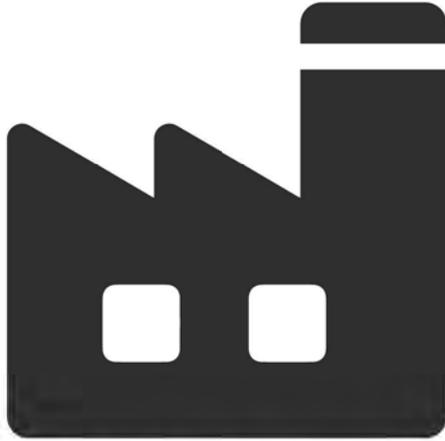


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MADE IN ITALY

CHINESPORT SPA
Via Croazia 2
33100 UDINE
Italy

Guida Montaggio Reggi polpacci AC1078 AC1078 Calf Rest Assembling Guide

Utensili Richiesti

- Chiave a forchetta da 17 (inclusa)

Parti da utilizzare

Il kit AC1078 è costituito dai seguenti componenti:

- 2 Reggi polpacci, 1 Destro e 1 Sinistro
- 2 Dadi autobloccanti M10

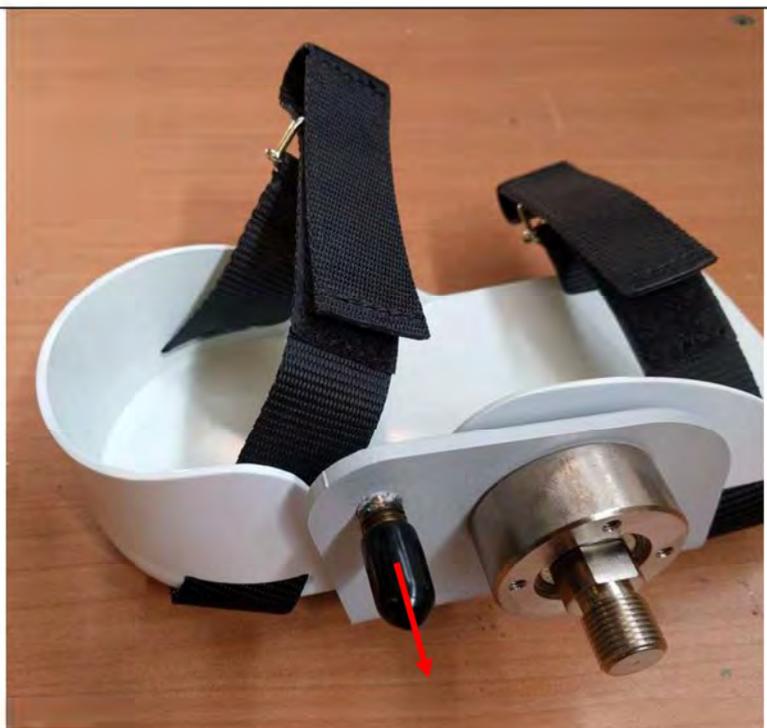
Prerequisiti

I Reggi polpacci vanno montati sui pedali del Motolife. La procedura mostrata è per il pedale sinistro ma è valida anche per il pedale destro. Se si vogliono montare le asole metalliche verso la parte opposta del paziente basta invertire il reggi polpacci destro con il sinistro.

Procedura / Procedure

Rimuovere il cappuccio nero che protegge il perno filettato dal pedale

Remove from the pedal the black cap that protects the threaded pin



Required Tools

- Wrench key 17 (included)

Parts list

Kit AC1078 contains the following items:

- 2 Calf rest, 1 Right & 1 Left
- 2 Self-locking nut M10

Prerequisites

The calf rest should be mounted on the Motolife pedals. The procedure shown is for the left pedal but is also valid for the right pedal. If you want to mount the metal loop to the opposite side of the patient, simply invert the right calf rest with the left.

Inserire il reggi polpacci (destro su pedale destro, etc.) nel perno del pedale, mantenendo la parte con il cuscino verso l'interno del pedale e la parte con l'asola metallica verso il posteriore del pedale.

Insert the calf rest (right for the right pedal, etc.) into the pedal pin, keeping the part with the cushion inward of the pedal and the part with the metal loop towards the rear of the pedal.



Inserire il dado M10 autobloccante presente nel kit ed avvitare con la chiave da 17. Se si vuole un minimo di gioco non stringere troppo. Altrimenti stringere fino a serraggio completo.

Insert the self-locking M10 nut and screw it in with the wrench key from 17. If you want a minimum of backlash, do not tighten too much. Otherwise tighten until complete tightening.



AC1079

SHOE PEDALS FOR CHILDREN



ENGLISH

USER AND MAINTENANCE MANUAL



6p



DTIU000386
REV. 000
02.2025



REHABILITATION and MEDICAL EQUIPMENT



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GENERAL INFORMATION

1 GENERAL INFORMATION

This manual contains information for practical, correct and safe use of the device and is intended for reading by specialised personnel and the user of the product. It is recommended that you read the entire manual carefully before using the product.

If you have any doubts or need clarification, please contact your dealer who will be able to advise you correctly.

The importance of reading and understanding the user manual is highlighted on the product by the following symbol:



Consult the instructions for use

1.1 MANUFACTURER



CHINESPORT S.P.A.

Via Croazia, 2 - 33100 Udine - Italy



+39 0432.621.621



<https://www.chinesport.com>



export@chinesport.it

The manufacturer produces in accordance with the quality standard UNI EN ISO 13485:2016

2 PRODUCT DESCRIPTION AND GENERAL INFORMATION

2.1 DESCRIPTION

Foot supports that allow the use of the Motolife even by children or people of short stature and with small feet thanks to the use of a smaller and shallower footboard that keeps the pedal position closer to the user. Dimensions: W 11 cm x D 23 cm x H 5 cm (two pieces).

2.2 INTENDED USE

Small pair of replacement pedals. Accessory to be used only with the Motolife medical device.



The use of the device for purposes other than those defined in this manual is prohibited

The manufacturer declines any responsibility for damage to persons or property resulting from improper use of the device or in any case other than that provided for in this manual.

The manufacturer reserves the right to make changes to the product and the manual without prior notice in order to improve its characteristics and performance.

2.3 USERS

The intended users of Motolife are all patients with paralysis or reduced leg or arm mobility, and more generally all patients who may benefit from movement therapy that do not fall within the exclusions of the contraindications. The minimum requirement for the use of Motolife is for the user to be able to sit in a standing position. In order to be able to train on his own with MOTOLIFE, the user must be able to operate MOTOLIFE on his own, after careful reading of the manual or after proper instruction from specialized personnel. Otherwise, constant supervision of a suitable and properly trained person during therapy is required. Motolife can be used by laypersons after reading the manual.

PRODUCT DESCRIPTION AND GENERAL INFORMATION



It is up to the specialist to judge the physical fitness of the patient for whom the product is intended to be used.
Use under operator supervision is always recommended.

2.4 PATIENT GROUPS AND CLINICAL CONDITIONS

Patients with limited arm and/or leg mobility as a result of:

- Neurological disorders e.g. cerebral stroke, multiple sclerosis, Parkinson's disease, post-polio syndrome, head trauma, childhood cerebral palsy, cerebral palsy, spina bifida, paraplegia or tetraplegia
- orthopedic disorders such as rheumatitis, osteoarthritis, total knee or hip endoprosthesis, injury of the knee ligaments
- Cardiovascular and metabolism disorders (p.es. arteriosclerosis, type 2 diabetes mellitus, high blood pressure, PVD, osteoporosis)
- supplementary therapy for patients under treatment dell'haemodialysis, with chronic obstructive pulmonary disease or with very low overall physical potential
- circulatory disorders of the legs and organs
- geriatric conditions or other diseases leading to restriction of movement capacity

2.5 USE ENVIRONMENT

The device is designed for use both in a hospital environment where specialized personnel are required and in the home healthcare environment where supervision by trained personnel is not required.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|------------------------------------|---------------------------------------|
| 0 °C ~ 40 °C | 0% ~ 80% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.6 STORING

Store in a dry place at room temperature. Avoid excessive pressure and contact with discolouring materials. Avoid excessive exposure to direct sunlight.

PRODUCT DESCRIPTION AND GENERAL INFORMATION

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|-------------------------------------|---------------------------------------|
| -10°C ~ 50°C | 10% ~ 90% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.7 MANUFACTURER'S DECLARATIONS

The manufacturer declares that

- the device is not a measuring instrument
- the device is not intended for clinical investigation
- the device is not sterile and is not for single use
- for a correct functioning and for the safety of the user, it is necessary that the ordinary maintenance operations are carried out as described in the relevant paragraph.
- device cannot be used for purposes other than those stated in this manual

3 GENERAL WARNINGS

Always refer to this manual for proper use of the device. The manual must always be kept near the equipment in such a way as to facilitate consultation.

- Store the device in an environment that complies with the labels on the packaging and the specifications in this manual
- The useful life of the product is 5 years in accordance with the correct execution of the ordinary maintenance operations provided for in this manual. It is strictly forbidden to use the device beyond its stated useful life. At the end of its useful life, it is possible to proceed as described in the relevant paragraph
- The manufacturer shall not be liable, to the fullest extent permitted by applicable law, for any direct or indirect, special, incidental or consequential damages caused by:
 - o Wrong use of the device
 - o Improper use of the device and outside of its intended use
 - o Use of the device connected to unsuitable electrical systems
 - o Use of the device beyond the useful life stated in this manual
 - o Using the device in environments not covered by this manual
 - o Use with ineligible patients
 - o The distraction of operators or incorrect application of commands and adjustments
 - o Use without checking the status of the device as described in the relevant paragraph
 - o Incorrect maintenance or lack of maintenance
 - o Use with parts or accessories that are not compatible or not approved by the manufacturer

GENERAL WARNINGS

- o Incorrect disposal or disposal is other than as described in this manual

3.1 SERIOUS INCIDENTS



In the event of major accidents involving the device, the user shall notify the manufacturer and the competent authority of the Member State in which the device is installed in good time.

3.2 SYMBOLS ON LABELS



Refer to the user manual



CE marking



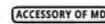
Manufacturer



Unique reference of the model



Equipment serial number



Medical device accessory



Unique Device Identifier



Identification of the country of production under ISO 3166-1 alpha-3 code (Italy)

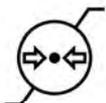
3.3 SYMBOLS IN THIS MANUAL



Warning! This symbol indicates that you must pay particular attention to the instructions next to it. These are generally safety guidelines.

GENERAL WARNINGS

3.4 SYMBOLS ON PACKAGING

| | | | |
|--|--|--|--|
|  | Fragile |  | Keep this side at the top |
|  | Recyclable |  | Do not use sharp blades to open |
|  | Keep dry |  | Storage temperature range. It is accompanied by an indication of the minimum and maximum allowed values |
|  | Storage humidity range. It is accompanied by an indication of the minimum and maximum allowed values |  | Storage atmospheric pressure range. It is accompanied by an indication of the minimum and maximum allowed values |

3.5 CONTRAINDICATIONS AND SIDE EFFECTS

The same contraindications apply for the Motolife medical device.

In some rare cases, there have been observed some side effects that can be attributed to pain increase after the therapy session, skin damage such as decubitus and muscle tone reduction.

MOTOLIFE is contraindicated in the following cases:

- Users with a body weight above 120 kg
- Users with a height below 120 cm or above 200 cm
- Users with severe contracture
- Users with open wounds on body points that come in contact with the device (when in doubt, contact a doctor)
- Advanced osteoporosis
- Imperfect osteogenesis
- Users with unstable circulation, e.g. because bedridden for a long time
- Users with a greatly reduced range of motion, for which even a small motorized passive training can be a risk of injury
- Outdoors
- Autonomous non-supervised training, if the user is not able to use MOTOLIFE by itself

GENERAL WARNINGS

- Users with cardiac and circulatory insufficiency
- Continuous and repetitive spasms

It is recommended that you consult your doctor in advance.

For users with a height of less than 120 cm, it's necessary to use a specific configuration of MOTOLIFE. Before starting workout, talk to your doctor, therapist or authorized reseller.



Warning!

Always consult your doctor in cases of:

- hypo-hypertension following physical exertion
- respiratory failure

3.6 USE RESTRICTIONS

Always use in accordance with the intended use and with patients meeting the weight requirements on the product label.

Never use the device under the following conditions:

- If the original product has been tampered with or modified
- When there is suspicion that it may cause harm to the patient.

4 PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

4.1 CONTENTS OF THE PACKAGE

- 2 shoe pedal for children

4.2 UNPACKING

The product is delivered in a suitable cardboard packaging so that it can be received intact and functional. To open the package and remove its contents, pay attention to the warnings and symbols on the package itself.

Any damage due to transportation must be promptly reported to the carrier and supplier: Damaged subsidies must not be used

PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

Dispose of the packaging and the resulting material in an appropriate manner and follow the instructions in the packaging and in this manual.



Remove devices from packaging without using a cutter to avoid damage and properly dispose of packaging.

4.3 PRODUCT

4.3.1 AC1079



- 1 Fixation system
- 2 Shoe pedal for children

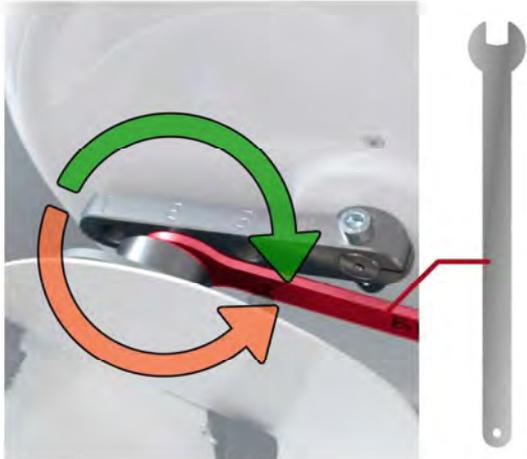
5 ASSEMBLY AND FIRST USE

5.1 INSTALLATION

The shoes pedals for children fit on the Motolife. The procedure shown is for both pedals.

| | | |
|--------|-------|--------|
| | | |
| 20 min | 1 / 1 | Wrench |

ASSEMBLY AND FIRST USE

| # | Operation | Reference |
|-----|---|---|
| 001 | <p>Remove the standard pedal and insert the children pedal. To remove the pedal, you must use the wrench. To unscrew the right pedal, the tool must be turned counter-clockwise and to unscrew the left pedal, it must be turned clockwise.</p> <p>LEFT PEDAL</p> <p>RIGHT PEDAL</p> |  |
| 002 | <p>Once you have decided on position 1.2 or 3 engraved on the crank arm, you have to reposition the pin of the children pedal on the chosen place with your hands and make 1-2 turns by hand, working in the opposite direction to unscrew. this is counterclockwise for the left tip and clockwise for the right tip. Use the tool to tighten firmly.</p> <p>LEFT PEDAL</p> <p>RIGHT PEDAL</p> |  |

5.2 FIRST TIME USE

Before proceeding with the first use, it is necessary to read this instruction manual. Make sure that the product corresponds to what is described in this manual and that the contents of the package coincide with what is described in the relevant paragraph. Before using the product for the first time:

ASSEMBLY AND FIRST USE



Make sure there are no obvious signs of damage or tampering

6 USE

6.1 WARNINGS BEFORE USE

Before each use make sure that:



- The product does not show any obvious signs of tampering or damage
- The product has been sanitised in the parts in contact with the user
- The physical and clinical condition of the user has been assessed and found to be appropriate for the use of the device
- The operating environment is in accordance with the provisions of this instruction manual
- There are no particular hazards in the areas around the device (shelves, obstacles, flammable materials, etc. ...)

6.2 USE OF THE DEVICE

After positioning and securing the seat and placing the on the pedals, lock the feet:

| # | Operation | Reference |
|-----|--|--|
| 001 | Tighten the foot with the strap, making sure it is secure. |  |

7 MAINTENANCE AND SERVICE LIFE

7.1 ROUTINE MAINTENANCE

Scheduled maintenance is required for proper operation of the device, proper use, patient and operator safety, and performance assurance of the device.

Ordinary maintenance work may be carried out by specialised operators or authorised technical personnel.

After each use, clean and dry before storing the glove.

It is recommended to keep it clean at all times to extend the life of the product.



For all operations not included in the maintenance list, please contact the Chinesport service center

8 CLEANING

It is necessary to clean the device at the end of each use if the device is intended for different users.

Follow the precautions in [GENERAL WARNINGS](#) ⁸.

8.1 WASHING

Dust off gently and in case of light stains, wipe the surface with a damp cloth or a mild detergent solution, rinsing with water. Dry without direct sunlight.

For localized and more stubborn stains (oil, grease, cosmetics, ink, coffee, liqueurs, chewing-gum, etc.) the following instructions are recommended: dissolve the stain promptly with diluted ethyl alcohol (colorless liquid) in 20% water, buffer and then treat with a mild detergent solution. Can be removed and machine washed. Follow the washing instructions on the label.

8.2 DISINFECTION

For disinfection of the product use disinfection with a low chlorine content, such as AMUCHINA® 10% or equivalent solutions with a concentration of 0.1% sodium hypochlorite and the following spectrum of action:

- bactericide in the presence of interfering substances according to EN 1276:1997;
- a fungicide in the presence of interfering substances according to EN 1650:1997;
- bactericidal surface test according to EN 13697:2001;
- fungicide surface test according to EN 13697:2001;
- active on Salmonella Typhimurium according to EN 13697:2001;
- active on: HIV, HAV - HBV, HCV;
- virucide according to EN14476:2005;
- active on H1N1 influenza virus according to EN14476:2005.

For safe use, refer to the instruction leaflet included in the product
Rinse well.

9 DISPOSAL



The symbol on the label of the equipment indicates that the waste must be subject to "separate collection".

Therefore, the user must either hand over the waste to the separate waste collection centres set up by the local authorities or hand it over to the retailer against the purchase of new equipment of an equivalent type. Separate waste collection and subsequent treatment, recovery and disposal operations promote the production of equipment with recycled materials and limit any negative effects on the environment and health caused by improper waste management. Improper disposal of the product by the user could result in the application of administrative penalties.

Refer to European Directives 2018/851/EU and 2018/852/EU, national transpositions and local regulations regarding the correct disposal of waste.

Identify the items to be disposed of according to the following classification.

| PART | DISPOSAL |
|-----------------|--|
| Outer packaging | Recycle or dispose of cardboard and wood parts |

DISPOSAL

| | |
|-----------------------|--|
| Inner packaging | Recycle or dispose of polystyrene, nylon and plastic parts |
| Electronic equipment | Disassemble and handle according to the WEEE Directive |
| Metal structure | Recycling as metal |
| Padded panels, slings | Dispose of as plastics, fabric and polymers |

The waste code is a numeric code (EWC or CER code) that determines the disposal path of a hazardous waste type based on its material and/or chemical composition. Directive 91/689/EEC, replaced by Decision 2000/532/EC, defines the different types of waste and assigns CER codes. The following is a list of relevant CER codes for the device AC1079.

| CER CODE | DESCRIPTION |
|----------|-------------------------------|
| 150101 | Paper and cardboard packaging |
| 150102 | Plastic packaging |
| 150103 | Wooden packaging |

10 WARRANTY

10.1 GENERAL CONDITIONS

All Chinesport products are warranted against defects in materials or workmanship for a period of 24 months from the date of sale of the product, except for any exclusions, limitations or conditions defined at the time of delivery of the product.

The warranty is not valid in case of improper use, tampering with the device, abuse or modification of the product or for any use or operation not explicitly mentioned in this manual.

The warranty is not valid if the device has not been correctly maintained and documented in accordance with this manual, or if the instructions regarding storage, cleaning and sanitation are not followed.

The manufacturer is not responsible for any damage or injury or any situation caused by incorrect installation or configuration of the device or using equipment that does not comply with the instructions in the installation, assembly and operating manuals.

The manufacturer does not guarantee its products against defects or damages in the presence of extraordinary conditions such as: natural disasters, unauthorised maintenance and repairs, improper power supply (where applicable), use of parts or components or accessories not original, shipping damage not directly managed by the manufacturer, lack of maintenance, obvious negligence on the part of the user or operator.

WARRANTY

The warranty does not cover consumables, rechargeable batteries, and in general all material subject to wear, failures caused by knocks, falls, incorrect or improper use, accidental events, transport damage. If the equipment is tampered with, the warranty is automatically cancelled.

10.2 WARRANTY REPAIRS

In the case of a report of defects in materials or workmanship, the manufacturer assesses whether the defect is covered by warranty.

Warranty repairs must be expressly requested and are to be understood in our laboratory, subject to authorisation and with the issue of the return number.

For products sent in their original packaging, the return shipment will be made freight free.

For warranty repairs, a fiscal document is required where the date of purchase is within the warranty period (sales note, purchase invoice, fiscal receipt).

Labour costs for warranty repair (when the warranty conditions are valid) are borne by the manufacturer.

Repairing or replacing a product does not renew or extend the terms and expiration dates of the warranty.

10.3 OUT-OF-WARRANTY REPAIRS

Non-warranty products can be repaired by the manufacturer by returning them after having been authorised by the technical assistance service. The costs of repair, including shipping, materials and labour, are to be understood as being borne by the customer or the retailer. The parts and components being repaired are considered to be covered by warranty for 24 months from the date of receipt of the repaired device

10.4 NON-DEFECTIVE PRODUCTS

In the event that the manufacturer does not find any malfunction or defect in the returned products, it is concluded that the product is not to be considered as defective. Shipping and device management costs will be charged to the customer or distributor.

10.5 HOME REPAIRS

In case of repair at the customer's premises, a written request must be made indicating the complete details of the applicant, the type of machine and the fault.

The kilometric cost for the technician's transfer is to be agreed in relation to the customer's urgency.

In the event that the machine in question is under warranty, only the costs of the transfer will be charged.

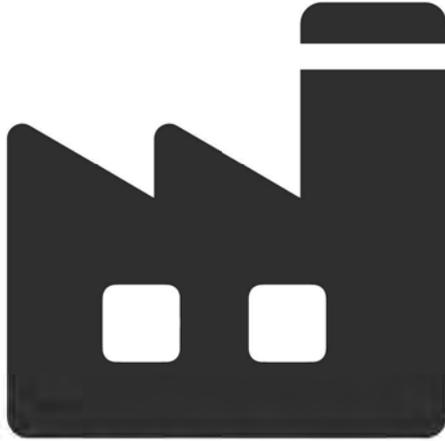
The time is counted from the departure of the technician from our laboratory until his return, the time of return will be estimated on the basis of the time spent on the outward journey.

10.6 REPLACEMENT PARTS

A detailed list of all spare parts can be obtained from the manufacturer.

Spare parts are sold following a formal request for an offer to the technical assistance service. Processing times are related to the availability of the parts. Returns for spare parts are not accepted.

The payment will be cash on delivery unless otherwise agreed.



MADE IN ITALY

CHINESPORT SPA
Via Croazia 2
33100 UDINE
Italy

AC1080

WRISTBANDS FOR GRIP



ENGLISH

USER AND MAINTENANCE MANUAL



13,4



DTIU000201
REV. 001
02.2025



REHABILITATION and MEDICAL EQUIPMENT



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GENERAL INFORMATION

1 GENERAL INFORMATION

This manual contains information for practical, correct and safe use of the device and is intended for reading by specialised personnel and the user of the product. It is recommended that you read the entire manual carefully before using the product.

If you have any doubts or need clarification, please contact your dealer who will be able to advise you correctly.

The importance of reading and understanding the user manual is highlighted on the product by the following symbol:



Consult the instructions for use

1.1 MANUFACTURER



CHINESPORT S.P.A.

Via Croazia, 2 - 33100 Udine - Italy



+39 0432.621.621



<https://www.chinesport.com>



export@chinesport.it

The manufacturer produces in accordance with the quality standard UNI EN ISO 13485:2016

2 PRODUCT DESCRIPTION AND GENERAL INFORMATION

2.1 DESCRIPTION

Wristbands for grip for use with the Motolife, which allow training even for people with little or no grip force, keeping the patient firmly attached to the handle.

PRODUCT DESCRIPTION AND GENERAL INFORMATION

2.2 INTENDED USE

Wristbands for grip for handpieces. Accessory to be used only with the Motolife medical device.



The use of the device for purposes other than those defined in this manual is prohibited

The manufacturer declines any responsibility for damage to persons or property resulting from improper use of the device or in any case other than that provided for in this manual.

The manufacturer reserves the right to make changes to the product and the manual without prior notice in order to improve its characteristics and performance.

2.3 USERS

The intended users of Motolife are all patients with paralysis or reduced leg or arm mobility, and more generally all patients who may benefit from movement therapy that do not fall within the exclusions of the contraindications. The minimum requirement for the use of Motolife is for the user to be able to sit in a standing position. In order to be able to train on his own with MOTOLIFE, the user must be able to operate MOTOLIFE on his own, after careful reading of the manual or after proper instruction from specialized personnel. Otherwise, constant supervision of a suitable and properly trained person during therapy is required. Motolife can be used by laypersons after reading the manual.



It is up to the specialist to judge the physical fitness of the patient for whom the product is intended to be used.

Use under operator supervision is always recommended.

2.4 PATIENT GROUPS AND CLINICAL CONDITIONS

Patients with limited arm and/or leg mobility as a result of:

- Neurological disorders e.g. cerebral stroke, multiple sclerosis, Parkinson's disease, post-polio syndrome, head trauma, childhood cerebral palsy, cerebral palsy, spina bifida, paraplegia or tetraplegia
- orthopedic disorders such as rheumatitis, osteoarthritis, total knee or hip endoprosthesis, injury of the knee ligaments

PRODUCT DESCRIPTION AND GENERAL INFORMATION

- Cardiovascular and metabolism disorders (p.es. arteriosclerosis, type 2 diabetes mellitus, high blood pressure, PVD, osteoporosis)
- supplementary therapy for patients under treatment dell'haemodialysis, with chronic obstructive pulmonary disease or with very low overall physical potential
- circulatory disorders of the legs and organs
- geriatric conditions or other diseases leading to restriction of movement capacity

2.5 USE ENVIRONMENT

The device is designed for use both in a hospital environment where specialized personnel are required and in the home healthcare environment where supervision by trained personnel is not required.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|------------------------------------|---------------------------------------|
| 0°C ~ 40°C | 0% ~ 80% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.6 STORING

Store in a dry place at room temperature. Avoid excessive pressure and contact with discolouring materials. Avoid excessive exposure to direct sunlight.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|-------------------------------------|---------------------------------------|
| -10°C ~ 50°C | 10% ~ 90% @30°C (non-condensing) | 70kPa ~ 106kPa (altitude ≤ 3000 m) |

2.7 MANUFACTURER'S DECLARATIONS

The manufacturer declares that

- the device is not a measuring instrument
- the device is not intended for clinical investigation
- the device is not sterile and is not for single use
- for a correct functioning and for the safety of the user, it is necessary that the ordinary maintenance operations are carried out as described in the relevant paragraph.
- device cannot be used for purposes other than those stated in this manual

GENERAL WARNINGS

3 GENERAL WARNINGS

Always refer to this manual for proper use of the device. The manual must always be kept near the equipment in such a way as to facilitate consultation.

- Store the device in an environment that complies with the labels on the packaging and the specifications in this manual
- The useful life of the product is 5 years in accordance with the correct execution of the ordinary maintenance operations provided for in this manual. It is strictly forbidden to use the device beyond its stated useful life. At the end of its useful life, it is possible to proceed as described in the relevant paragraph
- The manufacturer shall not be liable, to the fullest extent permitted by applicable law, for any direct or indirect, special, incidental or consequential damages caused by:
 - o Wrong use of the device
 - o Improper use of the device and outside of its intended use
 - o Use of the device connected to unsuitable electrical systems
 - o Use of the device beyond the useful life stated in this manual
 - o Using the device in environments not covered by this manual
 - o Use with ineligible patients
 - o The distraction of operators or incorrect application of commands and adjustments
 - o Use without checking the status of the device as described in the relevant paragraph
 - o Incorrect maintenance or lack of maintenance
 - o Use with parts or accessories that are not compatible or not approved by the manufacturer
 - o Incorrect disposal or disposal is other than as described in this manual

3.1 SERIOUS INCIDENTS



In the event of major accidents involving the device, the user shall notify the manufacturer and the competent authority of the Member State in which the device is installed in good time.

3.2 SYMBOLS ON LABELS



Refer to the user manual



CE marking

GENERAL WARNINGS



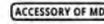
Manufacturer



Unique reference of the model



Equipment serial number



Medical device accessory



Unique Device Identifier



Identification of the country of production under ISO 3166-1 alpha-3 code (Italy)

3.3 SYMBOLS IN THIS MANUAL

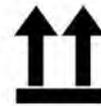


Warning! This symbol indicates that you must pay particular attention to the instructions next to it. These are generally safety guidelines.

3.4 SYMBOLS ON PACKAGING



Fragile



Keep this side at the top



Recyclable



Do not use sharp blades to open



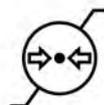
Keep dry



Storage temperature range. It is accompanied by an indication of the minimum and maximum allowed values



Storage humidity range. It is accompanied by an indication of the minimum and maximum allowed values



Storage atmospheric pressure range. It is accompanied by an indication of the minimum and maximum allowed values

GENERAL WARNINGS

3.5 CONTRAINDICATIONS AND SIDE EFFECTS

The same contraindications apply for the Motolife medical device.

In some rare cases, there have been observed some side effects that can be attributed to pain increase after the therapy session, skin damage such as decubitus and muscle tone reduction.

MOTOLIFE is contraindicated in the following cases:

- Users with a body weight above 120 kg
- Users with a height below 120 cm or above 200 cm
- Users with severe contracture
- Users with open wounds on body points that come in contact with the device (when in doubt, contact a doctor)
- Advanced osteoporosis
- Imperfect osteogenesis
- Users with unstable circulation, e.g. because bedridden for a long time
- Users with a greatly reduced range of motion, for which even a small motorized passive training can be a risk of injury
- Outdoors
- Autonomous non-supervised training, if the user is not able to use MOTOLIFE by itself
- Users with cardiac and circulatory insufficiency
- Continuous and repetitive spasms

It is recommended that you consult your doctor in advance.

For users with a height of less than 120 cm, it's necessary to use a specific configuration of MOTOLIFE. Before starting workout, talk to your doctor, therapist or authorized reseller.



Warning!

Always consult your doctor in cases of:

- hypo-hypertension following physical exertion
- respiratory failure

3.6 USE RESTRICTIONS

Always use in accordance with the intended use and with patients meeting the weight requirements on the product label.

GENERAL WARNINGS

Never use the device under the following conditions:

- If the original product has been tampered with or modified
- When there is suspicion that it may cause harm to the patient.

4 PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

4.1 CONTENTS OF THE PACKAGE

- 2 wristbands for grip

4.2 UNPACKING

The product is delivered in a suitable cardboard packaging so that it can be received intact and functional. To open the package and remove its contents, pay attention to the warnings and symbols on the package itself.

Any damage due to transportation must be promptly reported to the carrier and supplier: Damaged subsidies must not be used

Dispose of the packaging and the resulting material in an appropriate manner and follow the instructions in the packaging and in this manual.



Remove devices from packaging without using a cutter to avoid damage and properly dispose of packaging.

PACKAGE CONTENTS AND PRODUCT CHARACTERISTICS

4.3 PRODUCT

4.3.1 AC1080



- 1 Buckle for hand embracing
- 2 Upper Velcro
- 3 Velcro on wrist side
- 4 Folding area
- 5 Cuff

5 ASSEMBLY AND FIRST USE

5.1 INSTALLATION

The device is delivered already assembled and ready for use.

5.2 FIRST TIME USE

Before proceeding with the first use, it is necessary to read this instruction manual. Make sure that the product corresponds to what is described in this manual and that the contents of the package coincide with what is described in the relevant paragraph. Before using the product for the first time:



Make sure there are no obvious signs of damage or tampering

6 USE

6.1 WARNINGS BEFORE USE

Before each use make sure that:



- The product does not show any obvious signs of tampering or damage
- The product has been sanitised in the parts in contact with the user
- The physical and clinical condition of the user has been assessed and found to be appropriate for the use of the device
- The operating environment is in accordance with the provisions of this instruction manual
- There are no particular hazards in the areas around the device (shelves, obstacles, flammable materials, etc. ...)

6.2 USE OF THE DEVICE

These indications are intended to show you how to use them.

| # | Operation | Reference |
|-----|---|-----------|
| 001 | Open the gloves and place them with the buckle facing down. Place the back of your hand on the glove so that it is aligned with the folding area. | |

USE

| # | Operation | Reference |
|-----|--|--|
| 002 | Bend the cuff over the wrist. |  |
| 003 | Turn the wrist and tighten the Velcro on the wrist side as tightly as possible so that the glove does not rotate easily. |  |
| 004 | When the wrist is tightly wrapped, place the patient's hand on the Motolife handpiece. |  |

| # | Operation | Reference |
|-----|---|--|
| 005 | When the hand is on the handpiece, wrap it around the folding area of the glove by pulling the upper velcro tab and inserting it into the buckle. |  |
| 006 | Pull the tab as far as possible to firmly hold your hand against the handpiece. |  |
| 007 | Continue to pull by turning the Velcro portion to the top while adhering the Velcro firmly. |  |
| 008 | <p>The hand is now stuck on the handpiece.</p> <p>Repeat for the other hand, if necessary.</p> |  |

7 MAINTENANCE AND SERVICE LIFE

7.1 ROUTINE MAINTENANCE

Scheduled maintenance is required for proper operation of the device, proper use, patient and operator safety, and performance assurance of the device.

Ordinary maintenance work may be carried out by specialised operators or authorised technical personnel.

After each use, clean and dry before storing the glove.

It is recommended to keep it clean at all times to extend the life of the product.



For all operations not included in the maintenance list, please contact the Chinesport service center

8 CLEANING

It is necessary to clean the device at the end of each use if the device is intended for different users.

Follow the precautions in [GENERAL WARNINGS](#) ⁸.

8.1 WASHING

Dust off gently and in case of light stains, wipe the surface with a damp cloth or a mild detergent solution, rinsing with water. Dry without direct sunlight.

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For safe use, refer to the instruction leaflet included in the product
Rinse well.

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Therefore, the user must either hand over the waste to the separate waste collection centres set up by the local authorities or hand it over to the retailer against the purchase of new equipment of an equivalent type. Separate waste collection and subsequent treatment, recovery and disposal operations promote the production of equipment with recycled materials and limit any negative effects on the environment and health caused by improper waste management. Improper disposal of the product by the user could result in the application of administrative penalties.

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DISPOSAL

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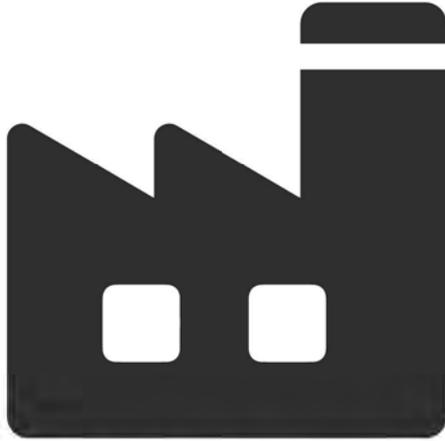


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MADE IN ITALY

CHINESPORT SPA
Via Croazia 2
33100 UDINE
Italy



ENGLISH

REHABILITATION and MEDICAL EQUIPMENT

**MOTOLIFE - AR20011 | MOTOLIFE Evo -
AR20012**
LEG CYCLE ERGOMETER - ARM & LEG CYCLE
ERGOMETER

USER AND MAINTENANCE MANUAL



DTIU000160
REV. 008
10.2022

CE 0476

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GENERAL INFORMATION

1 GENERAL INFORMATION

This manual contains information for practical, correct and safe use of the device and is intended for reading by specialised personnel and the user of the product. It is recommended that you read the entire manual carefully before using the product.

If you have any doubts or need clarification, please contact your dealer who will be able to advise you correctly.

The importance of reading and understanding the user manual is highlighted on the product by the following symbol:



Follow the instructions for use

Welcome!

Thank you for buying an excellent product for lower and upper limbs movement therapy (upper limbs model AR20012 only). Before use we recommend to read carefully this manual with particular attention to safety warning to observe before installing the device (see paragraph [Special warnings and limitations of use](#) ¹⁰).

For further information, remarks or requests for clarification you can contact the reseller or the company Chinesport S.p.A.

1.1 MANUFACTURER



CHINESPORT S.P.A, Via Croazia, 2 - 33100 Udine - Italy



+39 0432.621.621



<https://www.chinesport.com>



export@chinesport.it

The manufacturer produces in accordance with the quality standard UNI EN ISO 13485:2016

2 PRODUCT DESCRIPTION AND GENERAL INFORMATION



Notice!

MOTOLIFE is a medical device.

The proper use falls within the medical devices use methodology.

2.1 DESCRIPTION

Cyclo-armo-ergometer for lower and upper limbs active (with muscle power), passive and assisted (with motor support) movement of sitting persons. The typical user is a person with reduced mobility due to incidents, surgery or pathologies limiting the movement in general.

PRODUCT DESCRIPTION AND GENERAL INFORMATION

2.2 INTENDED USE

It's a device intended for use at home, in clinics, in hospitals and in medical practices with the following purposes:

- Improve the perception
- Avoid muscle debilitation
- Reinforce existing muscles
- Muscle tone rehabilitation
- Preserve and improve mobility
- Activate or stabilize circulation
- Increase resistance
- Improve cognitive ability
- Improve symmetry

MOTOLIFE is a moving device so can be used in different locations.

2.3 USERS

The intended users of Motolife are all patients with paralysis or reduced leg or arm mobility, and more generally all patients who may benefit from movement therapy that do not fall within the exclusions of the contraindications. The minimum requirement for the use of Motolife is for the user to be able to sit in a standing position. In order to be able to train on his own with MOTOLIFE, the user must be able to operate MOTOLIFE on his own, after careful reading of the manual or after proper instruction from specialized personnel. Otherwise, constant supervision of a suitable and properly trained person during therapy is required. Motolife can be used by laypersons after reading the manual.

2.4 PATIENT GROUPS AND CLINICAL CONDITIONS

Patients with limited arm and/or leg mobility as a result of:

- Neurological disorders e.g. cerebral stroke, multiple sclerosis, Parkinson's disease, post-polio syndrome, head trauma, childhood cerebral palsy, cerebral palsy, spina bifida, paraplegia or tetraplegia
- orthopedic disorders such as rheumatitis, osteoarthritis, total knee or hip endoprosthesis, injury of the knee ligaments
- Cardiovascular and metabolism disorders (p.es. arteriosclerosis, type 2 diabetes mellitus, high blood pressure, PVD, osteoporosis)
- supplementary therapy for patients under treatment dell'haemodialysis, with chronic obstructive pulmonary disease or with very low overall physical potential
- circulatory disorders of the legs and organs
- geriatric conditions or other diseases leading to restriction of movement capacity

2.5 USE ENVIRONMENT

The device is designed for use both in a hospital environment where specialized personnel are required and in the home healthcare environment where supervision by trained personnel is not required.

PRODUCT DESCRIPTION AND GENERAL INFORMATION

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|------------------------------------|---------------------------------------|
| 0°C – 40°C | 0% – 80% @30°C (non-condensing) | 70kPa – 106kPa (altitude ≤ 3000 m) |

2.6 STORING

Store in a dry place at room temperature. Avoid excessive pressure and contact with discolouring materials. Avoid excessive exposure to direct sunlight.

| Ambient temperature | Relative humidity | Atmospheric pressure |
|---------------------|------------------------------------|---------------------------------------|
| -25°C – 70°C | 0% – 80% @30°C (non-condensing) | 70kPa – 106kPa (altitude ≤ 3000 m) |

2.7 BIOCOMPATIBILITY

Every MOTOLIFE part and accessory intended for use by the user are developed in order to be homologated in compliance with the existing biocompatibility directives, provided that they are used within the prescribed limits.

For any clarifications, please contact an authorized reseller.

2.8 MANUFACTURER'S DECLARATIONS

The manufacturer declares that

- the device is not a measuring instrument
- the device is not intended for clinical investigation
- the device is not sterile and is not for single use
- for a correct functioning and for the safety of the user, it is necessary that the ordinary maintenance operations are carried out as described in the relevant paragraph.
- device cannot be used for purposes other than those stated in this manual

2.9 CONTRAINDICATIONS AND SIDE EFFECTS

In some rare cases, there have been observed some side effects that can be attributed to pain increase after the therapy session, skin damage such as decubitus and muscle tone reduction.

MOTOLIFE is contraindicated in the following cases:

- Users with a body weight above 120 kg
- Users with a height below 120 cm or above 200 cm
- Users with severe contracture
- Users with open wounds on body points that come in contact with the device (when in doubt, contact a doctor)
- Advanced osteoporosis
- Imperfect osteogenesis
- Users with unstable circulation, e.g. because bedridden for a long time
- Users with a greatly reduced range of motion, for which even a small motorized passive training can be a risk of injury

PRODUCT DESCRIPTION AND GENERAL INFORMATION

- Outdoors
 - Autonomous non-supervised training, if the user is not able to use MOTOLIFE by itself
 - Users with cardiac and circulatory insufficiency
 - Continuous and repetitive spasms
- It is recommended that you consult your doctor in advance.

For users with a height of less than 120 cm, it's necessary to use a specific configuration of MOTOLIFE. Before starting workout, talk to your doctor, therapist or authorized reseller.



Warning!

Always consult your doctor in cases of:

- hypo-hypertension following physical exertion
- respiratory failure

3 GENERAL WARNINGS

Always refer to this manual for proper use of the device. The manual must always be kept near the equipment in such a way as to facilitate consultation.

In this manual and the machine itself, the symbols are used to draw your attention to important safety notices and useful information. Observe all warning, attention and danger messages.

3.1 SYMBOLS ON LABELS



Follow the instructions for use



CE marking with notified body number



Manufacturer



Indoor use only



Fuses



Warning of dangerous voltage



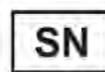
Type BF applied parts



Dispose of properly



Production date



Equipment serial number



Insulation class double

IP21

Degree of protection against the ingress of liquids and solids:
Protection against dripping water
Protected against the ingress of solids >12mm

GENERAL WARNINGS

3.2 SYMBOLS IN THIS MANUAL



Danger!

Indicates an immediate danger with a high risk of death or serious injuries, if it is not avoided.



Notice!

Indicates a possible danger with a moderate risk of death or serious injuries, if it is not avoided.



Warning!

Indicates danger with a low risk of light injuries or damages to things, if it is not avoided. It can also be used as a warning for possible physical damage.

3.3 SYMBOLS ON PACKAGING



Fragile



Keep this side at the top



Recyclable



Keep dry

3.4 SYMBOLS FOUND ON THE PRODUCT



Do not Step. It's forbidden to step on the zone where this symbol is placed.



Suggested Armo-ergometer depth regulation point for transport



Suggested Armo-ergometer depth regulation range for arm training



Suggested Armo-ergometer depth regulation range for leg training

3.5 SPECIAL WARNINGS AND LIMITATIONS OF USE



Notice!

MOTOLIFE is safe and reliable only if all the disposition about the safety in this manual are observed. Any contraindications resulting from proper use should be evaluated by therapists and physicians who prescribe its use.

The equipment has been conceived and built exclusively to perform the functions described in this instruction manual.

Safety information:

| | |
|--|---|
| | Always follow the safety instructions of this user manual |
| | MOTOLIFE should be used only if it is free from damages and if the operation is perfectly regular |
| | Check regularly that all the screws are securely tightened |

GENERAL WARNINGS

| | |
|---|--|
| | Before using for the first time, consult an authorized reseller, a physician or a therapist |
| | Before starting work, clarify with your physician or your therapist if MOTOLIFE can be used autonomously |
| | Before starting the appliance for the first time, the user or the assistant must be instructed by an authorized reseller, a physician or a therapist |
| | MOTOLIFE and the chair/wheelchair should be placed over a flat and non-slippery ground |
| | Use MOTOLIFE only when sitting |
| | Exercise using only closed-toe shoes with no ties |
| | Training solely wearing close-fitting clothes |
| | Remove jewels and accessories before training |
| | Ensure that the anti-tipping device is securely anchored |
|  | Do not use the safety handle and the upper limb cycloergometer for helping you stand and be careful not to load MOTOLIFE sideways |
| | MOTOLIFE shouldn't be used in wet, moist or very hot environments |
| | DO NOT use absolutely MOTOLIFE in oxygen saturated environments |
| | Any repairs should be carried out by an authorized dealer |
| | If MOTOLIFE is damaged or shows failures, etc. Contact an authorized reseller immediately |
| | Do not smoke while training |
| | Be careful that MOTOLIFE doesn't get wet |
| | If symptoms of illness during or after training are experienced, contact your doctor immediately |
| | Children should train solely under the supervision of an adult |
|  | Do not make any modification to MOTOLIFE before being authorized from the manufacturer. |
| | While installing the power cord, make sure that: <ul style="list-style-type: none"> • The cord doesn't prevent the user's movements • The cord doesn't prevent MOTOLIFE's movements • The cord doesn't cause any disturb or obstruction |
| | Place MOTOLIFE so that the power plug doesn't create an obstacle |
| | Only manufacturer's original accessories and spare parts should be used |
| | MOTOLIFE should be used exclusively with cables in excellent condition and perfectly working |
| | Be careful that fingers do not get stuck during MOTOLIFE adjustment operations |
| | Use MOTOLIFE only with the correct voltage |
| | Before opening the case, make sure that the power plug is disconnected |
| | If you are using a pacemaker, consult your doctor before taking the first training |
| | Train only when MOTOLIFE is on |
| | After each training session, disconnect the power plug or turn off the device from the switch |
| | Before starting any training, check that the safety devices work perfectly |
| | Do not allow pets to get close to MOTOLIFE or allow children to play with MOTOLIFE |

GENERAL WARNINGS

| | |
|---|--|
| | Before the first use, MOTOLIFE should be left for 1 hour at room temperature |
| | Carry the MOTOLIFE only inside and on flat and solid ground, on its transport wheels, after removing the power plug |
|  | For safe use of MOTOLIFE from the wheelchair, use the anti-tipping straps provided as a separate accessory |
| | In case of paralysis, spasms or legs instability, MOTOLIFE should only be used with the calf support accessory. |
|  | During exercise, do not grab moving parts (e.g. crankshaft, radius adjustment, pedals, etc.). |
| | Before adjusting the moving parts, make sure that the power switch is off |
| | Before setting the pedal radius with the specific tool, make sure that the power switch is off |
| | Make sure that the arm rests during the upper body training are securely connected to the therapy grips or to the cranks |
| | Work only with both pedals mounted and with both feet on the pedals |
| | Start training only when both feet are correctly placed in the pedals |
| | In the case of workout on an electric wheelchair, disconnect it from the current / turn off the drive function |
| | Limit the power of the motor to the user and to the size necessary for his training |
| | Set the spasm detector sensibility according the user's needs |
| | Make sure that the user trains on a stable, fixed, wheel-free chair. If you are using MOTOLIFE directly from a wheelchair, activate the brakes and turn off any electronic controls in the chair |
| | Make sure that the 7" colour display doesn't interfere with movement |
| | Only use the USB interface with the manufacturer's permitted options (USB stick). Before connecting, finish your training |
| | In the case of upper limbs training, place the crank block as far as possible from the display and so that it's comfortable for use |
| | Use only the original power cord provided by the manufacturer |
| | Before each use, make sure that the patient's limbs are correctly positioned. |

3.6 SAFETY CHECK LIST

Before starting work, follow these simple visual controls:

| Visual inspection | What to do if irregularities occur | Reason for the check |
|---|--|---|
| 1. Power supply and electrical components check | | |
| Is the power cord intact? Does it show abrasions, crushing, porous spots or warps? | The power cord must be replaced when damages are observed. Power cord repair is not possible and should therefore be replaced with an original spare part of | If the power cord is damaged, there is a risk of electric shock coming into direct contact with the damaged area or even if the damaged area comes into contact with MOTOLIFE casing. |

GENERAL WARNINGS

| | | |
|--|---|--|
| | Chinesport. Consult an authorized reseller in this case. | The damaged power cord may not be used under any circumstances! |
| Is the power cord placed so that: a) does not twist over the device. b) it does not end up under other objects and is crushed. c) cannot get caught in the pedals. d) it cannot, in any way, be mechanically damaged. e) no one can trip over it? | Never use the electric cable, whose wires are exposed and not insulated! The power cord must be placed in such a way that no one can trip over or be damaged in any way. | If the power cord is damaged, there is a risk of electric shock. Coming into direct contact with the damaged area or even if the damaged area comes into contact with MOTOLIFE casing. |
| 2. Environmental conditions surrounding the device | | |
| Are there any other electronic devices that are not medical devices near the user and MOTOLIFE? | Remove all non-medical electronic devices from the vicinity of the user and MOTOLIFE. | If the user gets the shock during training with MOTOLIFE after coming into contact with other low quality electrical equipment, he must look for the cause in the low electrical insulation of the low-cost product rather than in MOTOLIFE. The MOTOLIFE is homologated with the highest safety standards. However, in order to ensure that the user is effectively protected, other unapproved medical devices shouldn't be connected to the power supply network in the vicinity of MOTOLIFE. |
| Are there any inflammable gas cylinders, such as oxygen? | Do not turn on the appliance in flammable gas saturated environments or where there is a flammable gas cylinder. | As a device built for non-explosive environments, some electrical circuits should not work in the presence of flammable or explosive gases. |
| Are there pets or children? | Make sure that children don't play with the device and don't use the power chord to strangle. Do not allow pets to come close to the apparatus | Power cord may be used for strangling or chewed by a pets. Small parts are hard to detach but may be inadvertently be ingested by children or pets. |

4 USE INDICATIONS

4.1 SOFTWARE VERSION

This User manual is valid from the software revision 1.9 of the Motolife. If you have a previous version, please contact manufacturer to get the last software revision available. To see what revision you own, go to System Info -> and read "SW Version".

13.2

4.2 INDICATIONS

MOTOLIFE is suitable for users with legs and arms with reduced mobility, from sitting: e.g. after stroke, multiple sclerosis, Parkinson, musculoskeletal disorders, paraplegia, geriatric user, cranium-cerebral trauma, cerebral palsy, cardiac and cardiovascular pathologies.

Minimum requirements for supervised training

The user can sit in upright position.

Minimum requirements for autonomous training

The user can fully handle MOTOLIFE alone and knows all the functions.

User

1. Person who, after proper instruction by the specialized staff, is able to use and train with the MOTOLIFE
2. The user is totally responsible of the safe and proper use with MOTOLIFE intended use

Specialized personnel

1. People who, for their knowledge, obtained from specialized training in the field of medicine, etc., possess medical-technical specialization (eg doctors, therapists, specialized resellers).
2. People who, for their professional experience and education / training by the manufacturer, have knowledge about security and are able to recognize any dangers during use (e.g., specialist assistants).

For the safe use of MOTOLIFE, specialized personnel must regularly attend refresher courses.

4.3 PROPER USE

For this purpose, the user trains facing the therapeutic device on a safe and stable wheelchair or on a simple chair (without wheels) with a sufficiently high backrest.

The user must assume an upright sitting position and the chair or wheelchair must not be able to tip over.

MOTOLIFE must be placed on a flat and solid surface.



Notice!

The use of MOTOLIFE is to be considered safe only if the safety measures and warnings described in this manual are observed and the contraindications described herein or established by a therapist / physician does not occur.

Adjustments and modifications, with the exception of the control unit functions, are safe only if they do not move the upper or lower pedal or the arms / legs remain locked.

4.4 PREDICTABLE IMPROPER USE

MOTOLIFE is not suitable for:

- Diagnosis
- Monitoring
- Measurement
- Sport training

USE INDICATIONS

4.5 UNSAFE USE

Do not use MOTOLIFE:

- In combination with other devices that emits ionizing radiation (e.g. radiotherapy, nuclear medicine, etc.)
- In environments where:
 - Explosive materials are present
 - Enriched oxygen is present
- In combination with
 - Flammable anaesthetics
 - Volatile solvents

4.6 EXCLUSION OF RESPONSIBILITY

The manufacturer and its distributor do not assume any responsibility as a result of:

- Improper, incorrect or not intended use
- Non-observance of this instruction manual
- Intention or gross negligence
- Too intensive training, e.g. agonistic activity
- Use of inappropriate wheelchairs, chairs, tables or beds
- Use of the device, although forbidden by the doctor or therapist
- Installation of unauthorized accessories
- Performing repairs or other interventions on MOTOLIFE by people not authorized by the manufacturer

5 THE CONTENT OF THE PACKAGING AND THE CHARACTERISTICS OF THE PRODUCT

The product is delivered in a suitable cardboard packaging so that it can be received intact and functional. To open the package and remove its contents, pay attention to the warnings and symbols on the package itself.

Dispose of the packaging and the waste material in an appropriate manner and follow the instructions in the packaging and in this manual.

MOTOLIFE is delivered with custom optional accessories. This manual describes all the accessories of MOTOLIFE. The user manual describes all accessories that may be available for each model, some of the accessories described may not be available in your MOTOLIFE. If some of the accessories your MOTOLIFE is equipped with are not described in the user manual, a specific user manual is provided.

5.1 OWNED EQUIPMENT CONFIGURATION

All the components that are delivered are shown on the transport document.

THE CONTENT OF THE PACKAGING AND THE CHARACTERISTICS OF THE PRODUCT

5.2 STANDARD EQUIPMENT

MOTOLIFE standard configuration:

- Motolife version (AR20011)
 - Powder coated metal base with adjustable, non-slip feet
 - Transport wheels
 - Electrical motor for lower limbs
 - 3 step radius adjustable pedal
 - Transport and support handles
 - 7" colour display with touch screen and simple, intuitive graphical interface with adjustable tilt
 - Foot-supporting shell with foot-blocking straps
 - 10 positions height adjustable handlebar
- Motolife Evo version (AR20012), in addition to AR20011 version:
 - Upper limbs arm-ergometer with electrical gear motor
 - Handlebar adjustable horizontally in 6 positions to adjust the distance of the center of arm rotation (depth)
 - Gas spring assisted 10 positions height adjustable handlebar
 - 2 positions radius adjustable cranks
 - Rubber coated non-slip handgrips
 - Transport handle
- MOTOLIFE user manual
- Tool for change pedal / handgrips radius
- Spare fuse
- 3m Schuko power cord

5.3 ACCESSORIES

Available accessories:

- AC1076 Autonomously manageable anti-tipping belts
- AC1077 Belt loops for anti-tipping belts
- AC1078 Adjustable calf support
- AC1079 Shoe pedal for children
- AC1080 Wristband for grip
- AC1081 Armrest for tetraplegic with forearm support
- 3m power chord with Italian plug

For an exhaustive list of available accessories, always refer to the official distributor or the manufacturer.

5.4 PRODUCT

5.4.1 OVERVIEW

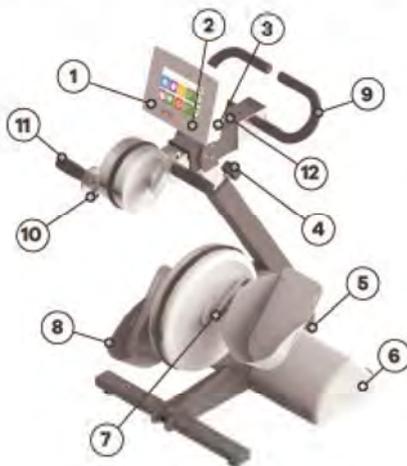
THE CONTENT OF THE PACKAGING AND THE CHARACTERISTICS OF THE PRODUCT

5.4.1.1 MOTOLIFE



- 1 7" colour touch screen with adjustable inclination
- 2 Power light and status of the device
- 3 USB memory socket (USB 2.0)
- 4 Knob for handlebar vertical adjustment (Unscrew-Pull)
- 5 Power switch and fuse holder (back side)
- 6 Adjustable and non-slip feet (back side)
- 7 3 positions radius adjustable pedals
- 8 Foot-supporting bowls with foot-blocking straps
- 9 Grab bars for holding and carrying

5.4.1.2 MOTOLIFE EVO VERSION



- 1 7" colour touch screen with adjustable inclination
- 2 Power light and status of the device
- 3 USB memory socket (USB 2.0)
- 4 Knob for handlebar vertical adjustment (Unscrew-Pull)
- 5 Power switch and fuse holder (back side)
- 6 Adjustable and non-slip feet (back side)
- 7 3 positions radius adjustable pedals
- 8 Foot-supporting bowls with foot-blocking straps
- 9 Transport handles
- 10 2 positions radius adjustable cranks
- 11 Non-slip rubber ergonomic grips
- 12 Knob for handlebar horizontal adjustment (Unscrew-Pull)

6 USE OF THE DEVICE

6.1 SWITCHING ON

Insert the plug into the socket at the back of the base of the appliance and press the power switch to the "I" symbol. The switch illuminates green when switched on.



USE OF THE DEVICE

13.2 Wait for the system loading. After a few seconds, the Chinesport logo appears on the screen with the software version of the device at the bottom.



ver. 1.9 EVO

When the loading is complete, the system enters the main screen.

Main screen for Motolife Evo model (AR20012)



When the loading is complete, the system enters the main screen.

Main screen for Motolife model (AR20011)



From the main screen you can do the following actions by clicking on the corresponding icons:

| | | |
|---|-----------------|--|
|  | SETTINGS | Access to system settings |
|  | SESSION HISTORY | Access the session history stored on the database |
|  | SYSTEM INFO | Provides information about the device as SW version, serial number, etc. |
|  | USERS | Allows to choose an existing user or to create a new profile |
|  | THERAPY | Allows to set personalised therapies |

USE OF THE DEVICE

| | | |
|---|-------------|---|
|  | POSITIONING | Allows to adjust pedals position so that the access to the device is easier for the patient |
|  | START ARM | Allows to start arms training (only for Evo version) |
|  | START LEG | Allows to start legs training |

6.2 SAFETY FUNCTIONS FOR CHILD PRESENCE IN HOME HEALTHCARE

For home use of the device and if there are children in the house, it is possible to activate the protection of the screens with a password. Using the key provided by the manufacturer it is possible, following the simple procedure shown on the screen, to activate the protections of the settings screens and also the protection of the machine start-up. It is also possible to change the password if this is necessary.

In this way, any person who does not know the password cannot misuse the device.

6.3 SETTINGS

By tapping on settings icon appears the following menu.



6.3.1 CALIBRATION

The calibration function allows you to calibrate the screen if the use of the touch screen is abnormal. The product comes with the screen already calibrated but with the time there may be deviations of the clicked point respect to the touched point. Enter the calibration function by tapping on Calibration button: a blank calibration screen with a cross will appear.

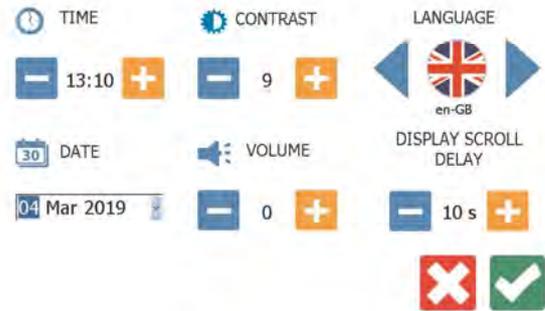


You should touch all the cross marks that appear at various points on the screen, preferably with the tip of a plastic pen.

USE OF THE DEVICE

6.3.2 SYSTEM

The "System" button under the Settings menu brings to the general system settings interface



This interface allows to adjust the following parameters:

- Time
- Date
- Screen contrast
- System volume
- System Language (Italian, English, German, French, Dutch and Spanish)
- The time between the different screens that follow each other during therapy (multiple of 5 seconds)

6.3.3 DATA EXPORT

The data export button under the Settings menu brings to the interface to export the session data:

Allows you to export data from work sessions performed on the machine to a USB device. The generated file is in CSV format saved with a .txt extension. The file can be easily opened with any spreadsheet software.



6.3.4 SERVICE

The Service button under the Settings menu brings to the reserved service interface.

This interface is reserved to service qualified technicians.



USE OF THE DEVICE

6.3.5 DEVICE RESET

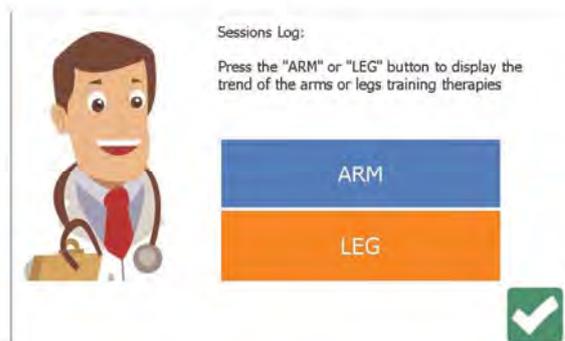
The Factory Reset button under the Settings menu brings to the reserved interface to reset system data.

This interface is reserved to service qualified technicians to reset the device to factory settings.



6.4 SESSION HISTORY

You can access the history of patient training sessions. Sessions are divided in arms and legs training in case of the Motolife Evo version, or directly legs training in case of the Motolife version.

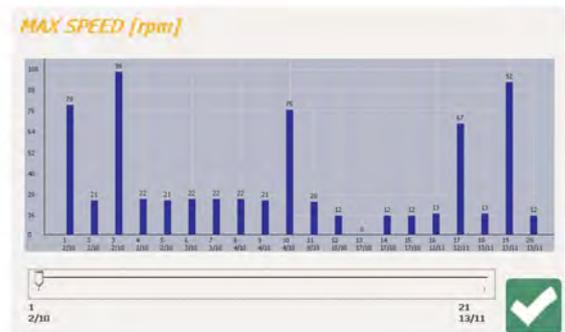


By clicking on "arms" or "legs" in the Motolife Evo model, or without clicking anything on the Motolife model, you will be taken to a summary screen of all the summaries of all the workouts performed by the user selected at that time and visible in the screen at the top right.

By clicking on the buttons for the individual synthetic indexes, you can see the graphical data of the performance of that index as the training progresses (e.g. maximum speed). The histogram shows 20 sessions at a time



To see the next group of 20 sessions just tap over the histogram or use the navigation bar visible in the lower side of the screen.



6.5 SYSTEM INFO

By tapping on the “System Info” icon on the main screen, you access the device information screen.

Info Cycling

| | | | |
|----------------|--------------|--------------------|---------|
| Serial Number: | 190000133 | | |
| SW Version: | 1.9 | Leg Mode Counter: | 236 min |
| FW Version: | 1.0 | Arm Mode Counter: | 656 min |
| Release Date: | 09/10/2019 | Leg Mode Sessions: | 12 |
| Model: | Motolife Evo | Arm Mode Sessions: | 23 |



The following system information are shown, including:

- Serial number
- Software version
- Firmware version
- Release date
- Device model
- Arms and legs operation minutes
- Arms and legs operation sessions
- Active security level

6.6 USERS

By tapping on Users icon on the main screen, you can access the users management functions.

From this menu you can select an existing user / patient so that you can recall all his master data that is linked to the work sessions. You can also create a new user / patient.



By tapping on “Select User” you access to the existing user selection screen.

To search for an existing user in the database, you can move back and forth in the archive with the blue arrows on the sides of the screen, or if you want to filter the archive to look for a patient faster you can enter the name, last name, or both, or part of them. To enter text just click on the field you want to search for. In this way an easy to use full-screen keyboard will appear:

Select user

First Name

Last Name

First Name

Last Name

Gender Age

Weight (kg) Height (cm)



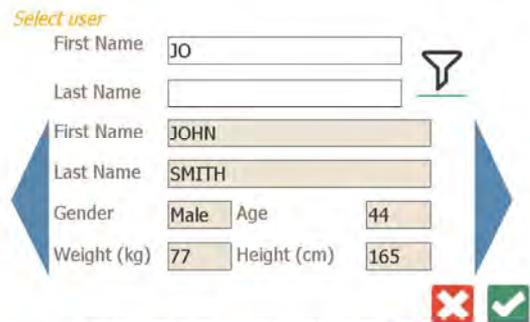

USE OF THE DEVICE

Once you have written the text that you want to enter just press "ok" to bring that text back to the screen. By clicking on "Close" it closes the keyboard without transferring the written text. If you enter text in the name or last name field, the patient archive will be filtered based on the entered data:



The filtered data can be easily browsed with the blue arrows. The green line under the funnel symbol mean that a filter is active. To remove filter, reset the field, for example entering the name field and cancel all text.

Once you find the patient you want to select, just click on the green check to select him, otherwise on the red x to cancel the operation. In this case a confirmation is requested:



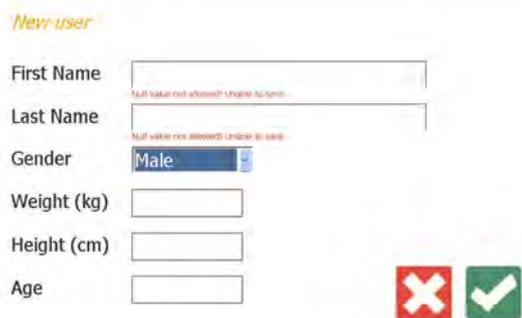
Patients filtering by Name field

If you want to select the shown patient tap Yes, otherwise No to go back to the user selection screen.

From the users management screen, tapping on "New User" you access to the new user creation screen.



In this screen you can enter the personal data of the new patient you want to create it. You must enter the data correctly, otherwise the screen will show errors that need to be corrected before accepting:



USE OF THE DEVICE

The weight must be between 1 and 120 Kg, the height between 1 and 220 cm and the age between 1 and 100 years. Of course, the first and last name fields cannot be null. Once you have entered the correct data, you can create the patient by clicking on the green tick or cancel by clicking on the red x.

New user

First Name

Last Name

Gender

Weight (kg)
Value out of range (1-120) Unable to save

Height (cm)
Value out of range (1-220) Unable to save

Age
Value out of range (1-100) Unable to save

6.7 THERAPY

Clicking on the "Therapy" icon on the main screen will access the current selected patient's therapy parameters configuration. If the machine is the complete legs and Arms (Motolife Evo) model, a selection screen appears where you decide which therapy to set up.



You can create custom therapies for arms or legs. In the case of a base model, nothing is asked and the leg therapy setup screen appears directly.

| | | | |
|---|---|--|--|
| SPEED <input type="text" value="12"/> rpm | DURATION <input type="text" value="80"/> min | GAME LEVEL <input type="text" value="Easy"/> | MOTOR TORQUE <input type="text" value="5"/> |
| RESISTANCE <input type="text" value="4"/> Nm | SPASM DETECTION <input type="text" value="High"/> | ROTATION <input type="text" value="Backward"/> | AUTO INVERSION <input type="text" value="5 min"/> |
| PEDAL POSITION <input type="text" value="2"/> | HANDLE HEIGHT <input type="text" value="5"/> | ARMOERGOMETER <input type="text" value="3"/> | <input type="checkbox"/> <input checked="" type="checkbox"/> |

Arm Therapy Configuration screen (AR20012 only)

In case of arms therapy, the adjustable parameters are the following:

- Motor speed in RPM (from 1 to 60, step of 1)
- Exercise duration in minutes (from 1 to 120, step of 1)
- Game difficulty (easy, medium, hard)
- Motor torque (from 1 to 10, step of 1)
- Motor resistance (from 1 to 20, step of 1)
- Spasm detection sensitivity threshold (none, low, medium, high)
- Pedal sense of rotation (forward, backward)
- Sense of rotation inversion during the training in minutes (NO, inversion or from 1 to 30 or duration with step of 1)
- Pedal position, which corresponds to the position of the handpiece on the crank (1, 2), given to be entered manually to store the preference
- Handlebar position, which corresponds to the height setting of the handlebar (1 to 10), given to be entered manually
- Armo-ergometer position that corresponds to the value at which the depth adjustment of the handlebar is located, given to be entered manually

USE OF THE DEVICE

To increase or decrease values, you can act on the + and - icons of each value. Holding down the icon for more than a second sets the values automatically incremented or decremented every 0.5s.

Once the configuration is complete, you can save it by clicking on the green check or cancel by clicking on the red x mark. In this case, the usual confirmation will be required.



All changes will be lost

Continue?



If you choose to configure leg therapy the screen will be very similar:



Leg Therapy setup screen

In case of leg therapy, the adjustable parameters are the following:

- Motor speed in RPM (from 1 to 60, step of 1)
- Exercise duration in minutes (from 1 to 120, step of 1)
- Game difficulty (easy, medium, hard)
- Motor torque (from 1 to 10, step of 1)
- Motor resistance (from 1 to 20, step of 1)
- Spasm detection sensitivity threshold (none, low, medium, high)
- Pedal sense of rotation (forward, backward)
- Sense of rotation inversion during the training in minutes (NO, inversion or from 1 to 30 or duration with step of 1)
- Pedal position, which corresponds to the pedal position on the crank (1, 2, 3), which is entered manually to store the preference

To increase or decrease values, you can act on the + and - icons of each value. Holding down the icon for more than a second sets the values automatically incremented or decremented every 0.5s.

Once the configuration is complete, you can save it by clicking on the green check or cancel by clicking on the red x mark. In this case, the usual confirmation will be required.

The most important parameters are explained below:

USE OF THE DEVICE

6.7.1 SPEED

SPEED



This parameter indicates the minimum speed at which the motor will run for the duration of the therapy. This is the passive training speed, below which you can't go. If the patient decides to pedal faster, he can do so by exceeding this motor support speed, actually entering active mode. From the moment the patient pedals the motor has a resistance set by the Resistance parameter.

6.7.2 DURATION

DURATION



This parameter indicates the duration of the training session. This time indicates the maximum time after which Motolife ends therapy. It's always possible to terminate session before the time expires by pressing STOP button.

6.7.3 GAME LEVEL

GAME LEVEL



This parameter indicates how much the games present in the training phase are tolerant with respect to the objectives of the game. The harder the level, the more stringent the goal to reach. So in the case of the symmetry game it will be increasingly difficult to balance the tray.

6.7.4 MOTOR TORQUE

MOTOR TORQUE



This parameter indicates how much power the motor will use to try to move the patient's limbs during the passive phase of the movement, or as long as the motor is running at the motor support speed set in the "Speed" parameter. The higher this value is, the easier it will be for the motor to handle rigid and heavy limbs. This value helps to prevent the anti-spasm control from being affected by the heaviness or stiffness of the patient's limbs.

6.7.5 RESISTANCE

RESISTANCE



This parameter indicates what resistance the motor will face from the moment the patient tries to overcome the motor support speed and pedal with his own strength, entering the active mode. The transition between passive and active phase is gradual but obviously the higher the resistance level, the more difficult it will be to pedal over the engine support speed.

USE OF THE DEVICE

6.7.6 SPASM DETECTION

SPASM DETECTION



This parameter indicates the threshold of the spasm detection system. A "low" value indicates a low spasm detection threshold, while a "high" value indicates a high spasm detection threshold. A low threshold is more sensitive than a higher threshold. The detection sensitivity is conditioned by various parameters including the motor torque set in the "motor torque" parameter and the pedaling speed. The lower thresholds, in addition to being the most sensitive, are also the fastest to react, while the higher the threshold, the longer the detection time. Setting the parameter to "null" the detection system is deactivated.

6.7.7 ROTATION

ROTATION



This parameter indicates the initial sense of rotation of the pedals: Forward and Backward.

6.7.8 AUTO INVERSION

AUTO INVERSION



This parameter indicates every number of minutes of training the rotation direction is automatically reversed. None means that auto inversion is disabled. During training, you can see in real time how much time is left before the next Auto inversion.

6.8 POSITIONING

Tapping on the "Positioning" icon in the main screen, you access the feet easy positioning screen, that allows to move slowly the pedals forward and backward to make easier the feet positioning before the training.



Easy Access:

Press "Pedal forward" or "Pedal backward" button to allow easy positioning of the leg

PEDAL FORWARD

PEDAL BACKWARD

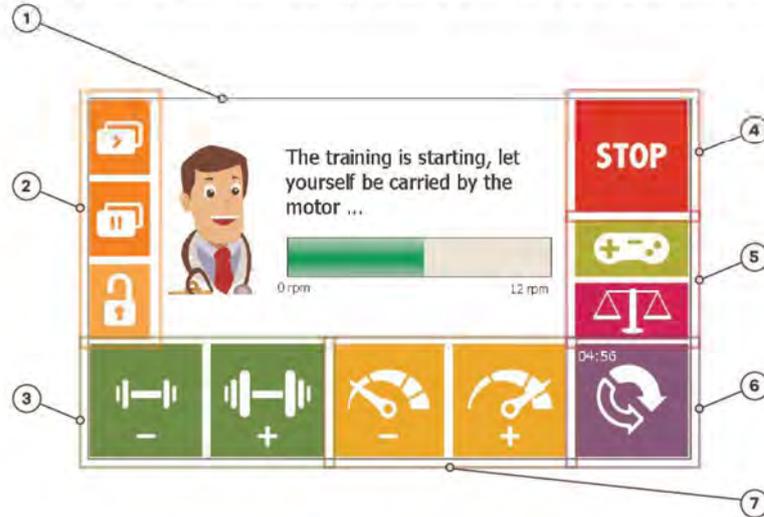


You can position the pedals in such a way as to facilitate the patient access to the device. Holding on 'Pedal Forward' the pedals will rotate clockwise as long as the icon is pressed. When the icon is released, the rotation stops. Holding on 'Pedal Backward' the pedals will rotate counter-clockwise as long as the icon is pressed. When the icon is released, the rotation stops.

USE OF THE DEVICE

6.9 BEGIN OF TRAINING START LEGS/ARMS

From the main screen it's possible to start the training tapping on 'Start Arms' (only for Motolife Evo version) and 'Start Legs'. At this point the therapy begins and the training screen is shown:



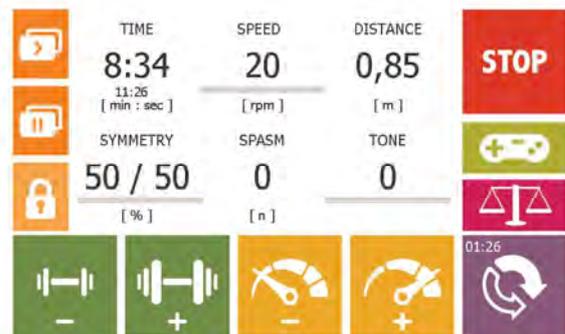
The training screen has this components:

1. Training active area, where all therapy parameters are shown
2. Display change buttons, to change what is shown on training active area
3. Motor resistance setting buttons, to change the motor resistance
4. Stop button, to pause/ stop therapy
5. Symmetry and Speed Games buttons, to show biofeedback games
6. Direction inversion button, to reverse the direction of pedalling
7. Motor Speed setting buttons, to change the motor speed

6.9.1 TRAINING ACTIVE AREA

The training active area shows a synthesis of the monitored and acquired parameters as:

- Therapy duration
- Set speed (passive) or patient speed (active)
- Distance traveled
- Symmetry
- Number of spasms
- Muscle tone (when passive)
- Power (when active)



Then, automatically, the system will show in succession the screens of the above individual values, possibly detailing the portion of the training in which you were carried by the motor (passive) from the one in which you cycled independently (active):



USE OF THE DEVICE

Example of a duration screen distinguishing between passive and active

The gray line below the Active Duration value turns green when the pedal becomes active, i.e. the patient pushes the pedals faster than the engine:



The training screens are interspersed from time to time by the figure of a doctor giving advice on therapy:

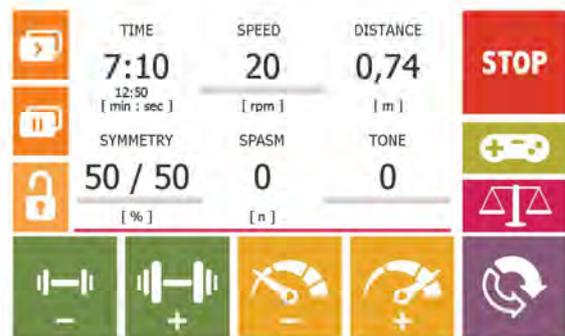


6.9.2 SCROLLING THROUGH THE SCREENS



The time interval for scrolling through the training active area screens is the one that has been set in the system setup screen (Display scrolling). You can stop at the desired screen by pressing the "pause" key

A violet line will appear on the screen to indicate that the screen is locked:



To deactivate this mode, simply press the same pause key again. When the screen is not locked, you can move to the next screen using the screens navigation key

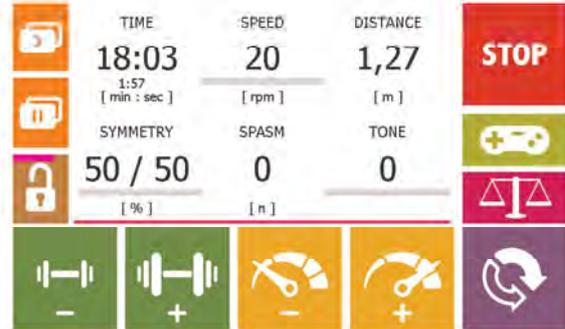
USE OF THE DEVICE

6.9.3 LOCK OF THE BUTTONS



There is a lock icon on the training screen to enable and disable button locking, except for the stop button

Locking the buttons is useful when you want to prevent unwanted changes to your workout values due to unintentional screen tapping. To lock the screen, long press (2s) the lock icon until the symbol changes:



When the screen is locked, all buttons are disabled and the only button that works is STOP for security reasons. When any of the other buttons are pressed, the lock icon flashes for a while just to remind you that the screen is locked.

To unlock the screen, long press (5s) on the lock icon until the symbol is changed again:



6.9.4 MOTOR RESISTANCE SETTINGS



The previously set motor resistance can be changed using the "+" and "-" resistance keys, represented by stylized weights that are larger or smaller

6.9.5 SETTING THE MOTOR SPEED



The previously set motor speed can be changed using the speed "+" and "-" keys, represented by stylized speedometer icons

USE OF THE DEVICE

6.9.6 REVERSE DIRECTION OF ROTATION



You can reverse the direction of rotation of the current pedals by clicking on the reverse icon

Each time you click the button, the direction in which the pedals are rotated is reversed. If a counter appears on the button, the auto reverse function is enabled. The time shown is the time remaining until the next automatic reversal of pedal rotation.

6.9.7 SYMMETRY GAME



By clicking on the "symmetry game" button represented by a balance, you can see a visual game to assess the symmetry of the pedal

Balancing the pedal force more with the right leg than with the left leg will cause the tray to tilt more and more to the right. Conversely, if you pedal harder with your left leg. The percent symmetry value is shown at the top.



6.9.8 SPEED GAME



By clicking on the "Speed Game" button represented by a gamepad icon you can see a visual game to evaluate the speed of your ride

Cycling faster will cause the gentleman to cycle faster, and as a result the screen in the background will scroll faster to the left.



USE OF THE DEVICE

6.9.9 SPASM DETECTION

The spasm detection system is always active during the training unless it has been turned off by the settings. If the device detects a spasm, the motor rotation is blocked and a message is displayed in the active area.

Within a few seconds the motor gradually starts in the opposite direction to the previous one to try to resolve the spasm.



6.10 STOP OR PAUSE OF TRAINING



You can press the stop button to end or pause the exercise or to change therapy parameters on the fly without ending the training session

The assistant shall ask whether he wishes to resume the training or end it.



If you choose to continue, you will return to the training screen and your therapy will resume where you left off. If you want to change your training parameters without interrupting your session, simply click the Therapy icon

This takes you to the therapy screen described above: Changing the parameters here allows you to continue your training session with the new parameters you have chosen by clicking the CONTINUE button.

If you choose to finish, the workout is interrupted and a summary screen of the workout is presented, summarizing all the synthetic metrics of the workout you just performed.

The same screen will also appear at the end of the therapy time set in the therapy configuration screen (duration), and the pedals will slowly stop. Clicking on the green tick will return you to the main screen.



Congratulations! You completed the training session. Keep training assiduously!

| | | | |
|-----------------------|--------------|-------------------|-----------|
| Duration : | 8 min : 21 s | Average Speed : | 0 rpm |
| Duration in Active : | 0 min : 1 s | Maximum Speed : | 0 rpm |
| Duration in Passive : | 8 min : 20 s | Average Power : | 0 Watt |
| Distance Covered : | 0 Km | Maximum Power : | 0 Watt |
| Distance in Active : | 0 Km | Symmetry : | 50% - 50% |
| Distance in Passive : | 0 Km | Number of Spasm : | 0 |

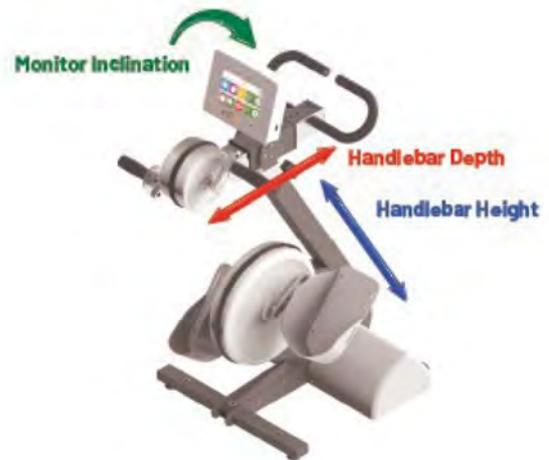


USE OF THE DEVICE

6.11 ADJUSTMENTS

Among the possible adjustments of the Device, it is possible to adjust the handlebar height, handlebar depth (only Motolife Evo model) and monitor inclination.

Adjustments for Motolife Evo



Adjustments for Motolife



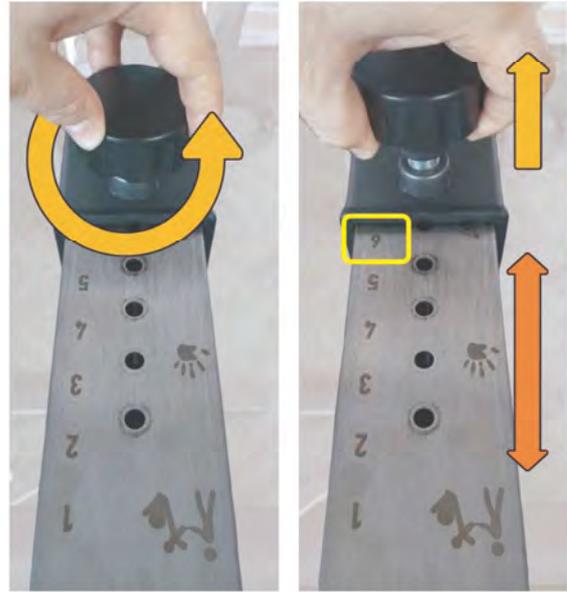
Warning!

Adjustments should be made when the machine is turned off or at most when the main screen is displayed, taking care not to touch the display.

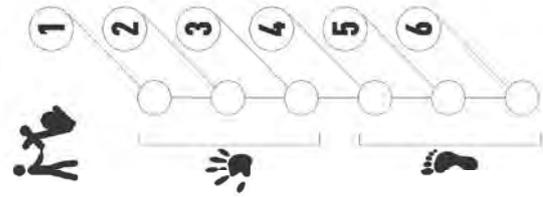
USE OF THE DEVICE

6.11.1 HANDLEBAR DEPTH ADJUSTMENT

To adjust the depth of the handlebar (only Motolife Evo version), rotate the depth adjustment knob located at the back of the monitor anticlockwise for 3-4 turns and then lift it up:



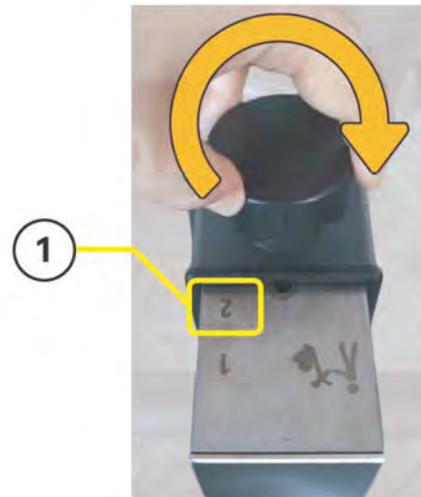
Move to the desired depth and release the knob so that it engages in the adjustment holes. Follow the engraved image to choose the position, from 1 to 6:



- 1 - Suggested position for transport
- 1 to 3 - Suggested Position for Arm training
- 4 to 6 - Suggested position for Leg training

When found the correct position, gently release the knob to allow the pin of the knob to centre the position hole. If you do not hear the click, continue briefly adjusting the depth as long as you do not hear the metallic click and see the knob back in place. At this point, turn the knob clockwise to lock the set setting. Tighten the knob firmly.

1. Chosen position



USE OF THE DEVICE

6.11.2 HANDLEBAR HEIGHT ADJUSTMENT

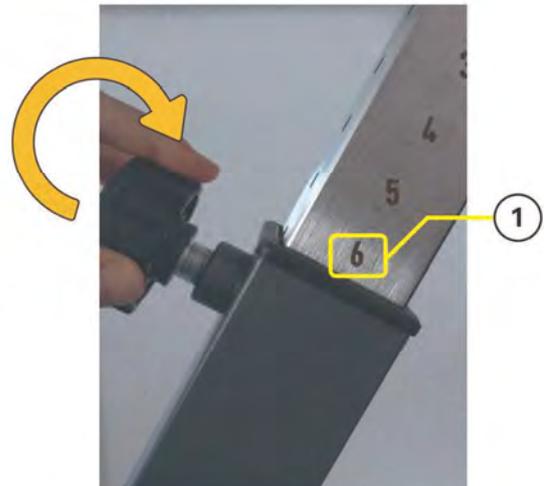
To adjust the depth of the handlebar (only Motolife Evo version), rotate the depth adjustment knob located at the back of the monitor anticlockwise for 3-4 turns and then lift it up:



Warning!

From the moment the knob is pulled, the handlebar is free to move into the tube. The Motolife Evo model is provided with a support gas spring that assists during height adjustment, while the Motolife model has no assistance. Therefore, before unlocking the knob, it is convenient to make sure that with the free hand the handlebar is held so this does not move alone.

When reached the desired position, gently release the knob to allow the pin of the knob to centre the position hole. If you do not hear the click, continue briefly adjusting the height as long as you do not hear the metallic click and see the knob back in place. At this point, turn the knob clockwise to lock the set setting. Tighten the knob firmly.



1. Location chosen

6.11.3 MONITOR INCLINATION ADJUSTMENT

To adjust the inclination of the monitor you can manually rotate it taking the monitor with both hands and exerting a slight rotation force until you find the desired inclination.



USE OF THE DEVICE

6.12 ADJUSTMENT FEET

The device is equipped with four adjustment feet in order to adapt to any imperfections in the support surfaces. The rear feet are also equipped with non-slip rubber, so it is recommended not to use carpets as a base of the cycloergometer.

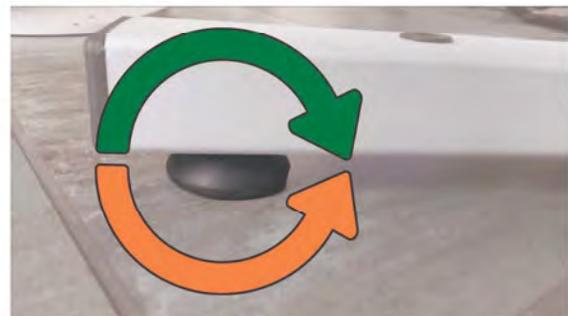


Warning!

Feet adjustment should be done with the device off and possibly aided by a person. Be careful not to bang your head on the cyclo-ergometer handle when you move from an upright position to a crouched position and vice versa

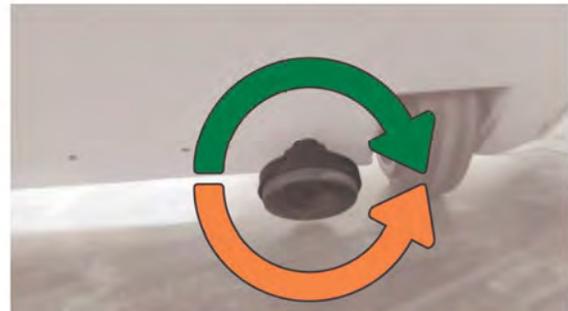
6.12.1 FRONT FEET

To adjust the front feet height turn anticlockwise or clockwise the feet until the desired height is archived.



6.12.2 REAR FEET

To adjust the rear feet height turn anticlockwise or clockwise the feet until the desired height is achieved.



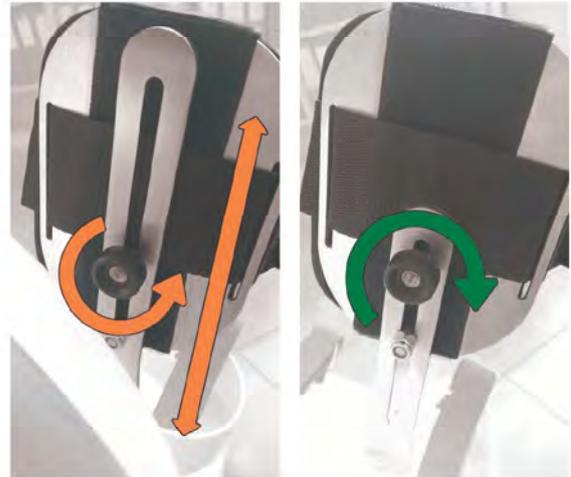
Warning!

If you lift the device for the rear feet adjustment, you should have the assistance of a person holding the machine to the desired inclination.

USE OF THE DEVICE

6.13 CALF-RESTS ADJUSTMENT

If you own the model with the accessory calf rest mounted, to adjust the height of the calf-rests, use the adjustment knobs on the back of the calf-rests to move to the desired height. Turn the knob anti-clockwise to unlock the calf support. Slide the calf support deck up or down. Once the desired height has been reached, tighten the calf rest again by rotating the knob clockwise.



6.14 PEDAL RADIUS ADJUSTMENT

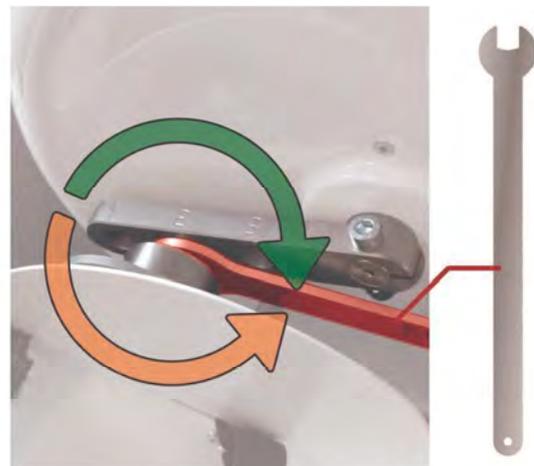
Motolife pedal radius can be adjusted in 3 step:

- Position 3: 50mm
- Position 2: 85mm
- Position 1: 120mm

Pedal radius is meant from the rotation centre of the cranks. To adjust the pedal over one of the three available radius it's necessary the use of the tool included with the device. To unscrew the right pedal the tool has to rotate in counter clockwise sense, instead for the left pedal the tool has to rotate in clockwise sense.

LEFT PEDAL

RIGHT PEDAL

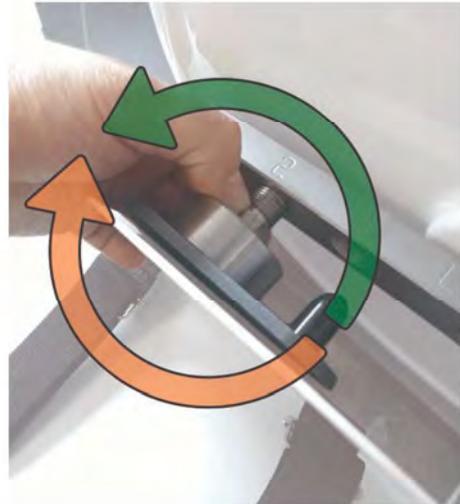


USE OF THE DEVICE

Once decided the right position 1,2 or 3 engraved on the pedal crank itself, it is necessary to reposition the pedal pin on the chosen point with the hands and do 1-2 turns manually, acting in the opposite direction to what was done to unscrew:

LEFT PEDAL

RIGHT PEDAL



Once the pin has taken the first threads correctly, the tool can be used again to finish tightening the pedal. Tighten firmly.

The same adjustment can be made for the rotation radius of the hand knobs, for the AR20012 model only. In this case the radius is adjustable in only 2 positions:

- Position 2: 70mm
- Position 1: 100mm



Warning!

Both pedals or both hand knobs must be positioned at the same position, otherwise the rotation will be unbalanced. For example, if the right pedal is on position 2, the left pedal must also be on position 2.

If extreme positions are used (position 1) both for the pedals and for the hand knobs, respect the recommended positions for the depth of the handlebar to avoid collisions between hand knobs and monitors or between knees and hand knobs.

7 MAINTENANCE

Motolife does not require any special routine maintenance, but it is a good idea to check its parts periodically for deterioration.



Warning!

If the plastic covers or footrests are broken or cracked, the Motolife must not be used.

Replace the Velcro strips that secure the feet to the pedals and the calves to the calf support if they cannot be tightened due to wear.

To avoid the risk of electric shock, make sure the mains cord is unplugged before you clean the Motolife.

It is recommended that maintenance work be carried out by Chinesport specialists every 2-3 years of operation:

During maintenance you will need to:

- Check the general operation of the machine
- Check for wear and replace if necessary: Motor, belt and bearings

MAINTENANCE

It is recommended that electrical safety tests (EN 60601-1) be carried out on the device at least once every two years.

7.1 EXTRAORDINARY MAINTENANCE

Extraordinary maintenance work must be carried out by trained technicians who are familiar with the contents of this instruction book.



Warning!

For all operations not mentioned in the maintenance list or troubleshooting table, contact the Chinesport service center

7.2 SPARE PARTS

The spare parts list is provided directly by Chinesport S.p.A. on request and also includes order codes and list prices.

7.3 FUSE REPLACEMENT

If the troubleshooting procedure identifies the cause of a blown fuse, the fuse should be replaced by following the procedure below.



Warning!

Replace the fuse with one of the same value provided by Chinesport and indicated on the label. Do not try to open the fuse drawer with the power cord still connected.

Before each operation, turn off the main switch and disconnect the power cord from the device by pulling from the power cord connector body.



Open the fuse drawer by pulling on the top and bottom edges of the drawer with your fingers.



MAINTENANCE

Remove the blown fuse with your fingers. You can help yourself with the body of a pencil pushing on one side of the fuse to tilt the fuse body out of the drawer:



Remove the broken fuse and replace it with the new one, placing it in the correct opening in the drawer.



When the fuse is in place, close the drawer by pressing with the ditto until the drawer is completely closed.



Reinsert the power plug and switch on the main switch.

8 TROUBLESHOOTING

The equipment has been tested under very severe conditions: During the tests no particular breakage and/or failure occurred.

If it does not work, follow the following fault diagnosis chart.

| PROBLEM | CAUSE | SOLUTION |
|---|--|--|
| The lamp of the equipment switch does not illuminate | The appliance is not connected to the mains | Connect the appliance plug to the electrical outlet and to the outlet on the equipment |
| | No mains voltage at socket | Change socket and/or call electrician |
| | Blown fuse | Replace the fuse with a fuse of the same value (indicated on the label) |
| The lamp of the equipment switch lights up but the monitor does not | Possible failure of the machine power supply | Call Chinesport Technical Support |
| | The connector under the monitor is loose or | Turn off the main switch and reinsert the connector under |

TROUBLESHOOTING

| | | |
|--|--------------|--------------------------------------|
| | disconnected | the monitor until you hear a "click" |
|--|--------------|--------------------------------------|

In the event that the fault finding procedure has not been successful, you can open a support ticket via our site www.chinesport.com In the Service section.



Warning!

Always detect the "SERIAL NUMBER" Or "serial number", alternatively "CODE and ARTICLE" or "model" on the product label on the equipment (see evidence in facsimile below), or the number of the DDT/bill or invoice. Its identification reduces time and improves the quality of the intervention.

1. Fuse data
2. Serial number

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Motolife Evo - AR20012

1 230VAC - 50/60Hz - Max 125VA
T 1.6A 250V L 35A

2 SN 190000472

CE 0476

MADE IN ITALY

01.2019

NOTE::

Equipment requiring on-site repair at Chinesport shall display on the shipping package the "AUTHORIZATION NUMBER" To be provided by Technical assistance following the opening of the ticket. Its identification reduces time and improves the quality of the intervention.

Alternatively, you can always contact technical support by e-mail (service@chinesport.it); for users without an internet connection, you can still send a fax (0432 621 698) or call (0432 621 699), but the response time may be much longer.

9 FRAME CARE AND CLEANING

Clean the Motolife surface with a soft damp cloth.

Do not use abrasive or corrosive agents or substances that contain solvents, and do not remove labels.

The monitor and display should only be cleaned with a soft dry cloth or cleaning products for TFT monitors, handhelds, cell phones, etc. Do not use alcohol or ammonia.

It is advisable from time to time to disinfect the surfaces of Motolife, except the monitor, with a common disinfectant always applied with a soft damp cloth; dry the surfaces well after cleaning.



Warning!

Cleaning of electrical equipment must be carried out disconnected from the mains.

FRAME CARE AND CLEANING

The structure of the equipment shall be of metal and plastic. Its durability and easy maintenance make it particularly suitable for use in hospitals, nursing homes, etc. Dust with a soft, damp cloth or suede. Dry or abrasive cloths can cause surface scratches and create an electrostatic charge on the surface.

9.1 WASHING

Lightly dust and wipe the surface with a damp cloth or mild detergent solution in case of light stains. Dry without direct sunlight.

For localized and stubborn stains (oil, grease, cosmetics, ink, coffee, liqueurs, chewing-gum etc.) it is recommended to follow the following instructions: dissolve the stain promptly with ethyl alcohol diluted in 20% water, buffer and then treat with a neutral detergent solution, rinse well.

9.2 DISINFECTION

9.2.1 PERSONAL DISINFECTION

The use of external disinfectant products such as AMUCHINA® 10% with the following spectrum of action is recommended for disinfecting hands or body parts coming into contact with the patient or other surfaces:

- bactericide in the presence of interfering substances according to EN 1276:1997 (1);
- a fungicide in the presence of interfering substances according to EN 1650:1997(1);
- bactericidal surface test according to EN 13697:2001 (2);
- fungicide surface test according to EN 13697:2001 (2);
- active on Salmonella Typhimurium according to EN 13697:2001 (3);
- Active on: HIV, HAV - HBV(5), HCV(6);
- Virucide according to EN14476:2005 (7);
- Active on H1N1 influenza virus according to EN14476:2005 (8).

For safe use, refer to the instruction leaflet included in the product..

9.2.2 SURFACE DISINFECTION

If deemed necessary, it is recommended to disinfect surfaces such as rubber, plastic, etc. by using disinfectants such as multi-USE disinfectant AMUCHINA® with the following spectrum of action:

- bactericide in the presence of interfering substances according to EN 1276:1997 (1);
- a fungicide in the presence of interfering substances according to EN 1650:1997(1);
- bactericidal surface test according to EN 13697:2001 (2);
- fungicide surface test according to EN 13697:2001 (2);
- active on Salmonella Typhimurium according to EN 13697:2001 (3);
- Active on: HIV, HAV - HBV(5), HCV(6);
- Virucide according to EN14476:2005 (7);
- Active on H1N1 influenza virus according to EN14476:2005 (8).

For safe use, refer to the instruction leaflet included in the product..



Warning!

- aggressive product can damage surfaces.
- before reusing the equipment after cleaning, ensure that all components are completely dry

FRAME CARE AND CLEANING

- **DO NOT USE:** Glass cleaning products based on alcohol, abrasive compounds or solvents such as acetone, petrol, benzene, alcohol, carbon tetrachloride or similar products. These can scratch the surface causing small cracks

10 INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

The manufacturer declares that the Motolife device including all original accessories and the supplied power cable complies with the requirements of the EN 60601-1-2 standard for electromagnetic compatibility. If the original power cord of the Motolife is not used, the electromagnetic emission of the device may increase and its immunity may decrease.

10.1 MANUFACTURER'S DECLARATION - ELECTROMAGNETIC EMISSIONS

Motolife is intended for use in both domestic and clinical settings in the electromagnetic environment described in the following table. The user of Motolife must ensure that it is used in the appropriate environment.

| Emissions test | Conformity | Electromagnetic environment Recommendations |
|---|------------|---|
| RF Emissions Radiated / Conducted CISPR 11 | Group 1 | Motolife uses RF energy only for its internal functions. Therefore, its RF emissions are very low and are unlikely to cause any interference in nearby electronic equipment. |
| RF Emissions Radiated / Conducted CISPR 11 | Class B | MOTOLIFE and the is suitable use in all including domestic environments and those directly connected to a public low-voltage main that supplies buildings used for domestic purposes. |
| Harmonic Emissions IEC61000-3-2 | Class A | |
| Voltage fluctuations and flicker IEC61000-3-3 | Compliant | |

10.2 MANUFACTURER'S DECLARATION - ELECTROMAGNETIC IMMUNITY

Motolife is intended for use in both domestic and clinical settings in the electromagnetic environment described in the following table. The user of Motolife must ensure that it is used in the appropriate environment.

| Immunity test | IEC/EN 60601-1-2 test levels | Electromagnetic environment - Recommendations |
|--|------------------------------|--|
| Electrostatic Discharges (ESD) IEC/EN 61000-4-2 | ±8 kV contact ±15 kV air | Floors should be covered with wood, concrete, or ceramic tiles. If floors are covered with synthetic material, the relative humidity must be at least 30%. |
| Fast Transient / Electric Burst IEC/EN 61000-4-4 | ±2 kV for power supply lines | The quality of the mains power supply must comply with the typical commercial or hospital |

INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

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|--|--|--|
| | ±1 kV for input/output lines | applications. |
| Transient Overvoltage (Surge) IEC/EN 61000-4-5 | ±1 kV differential mode 1.2/50us ±2 kV common mode | The quality of the mains power supply must comply with the typical commercial or hospital applications. |
| Voltage drops, short interruptions and voltage variations on power input lines IEC/EN 61000-4-11 | 100% UT (0% dip in UT) for 0.5 cycles 100% UT (0% dip in UT) for 1 cycles 30% UT (70% dip in UT) for 25 cycles 0% UT (100% dip in UT) for 250 cycles | The quality of the mains power supply must comply with the typical commercial or hospital applications. If the user of the Motolife needs continuous operation even if the mains power supply is interrupted, it is recommended to power it through a UPS. |
| Voltage drops, short interruptions and voltage variations on power input lines IEC/EN 61000-4- 11: 2004+ AMD1 110V, 50 Hz 110V, 60 Hz | 100% UT (0% dip in UT) ¹ for 0.5 cycles 100% UT (0% dip in UT) for 1 cycles 30% UT (70% dip in UT) for 25 cycles 0% UT (100% dip in UT) for 250 cycles | The quality of the mains power supply must comply with the typical commercial or hospital applications. If the user of the Motolife needs continuous operation even if the mains power supply is interrupted, it is recommended to power it through a UPS. ¹ Performed at 0°, 45°, 90°, 135°, 180°, 225°, 270° and 315° |
| Mains frequency magnetic fields (50/60 Hz) IEC/EN 61000-4-8 | 30 A/m | Mains frequency magnetic fields must be tuned to the levels typical of a standard network used for commercial or hospital use. |

| Immunity test | IEC/EN 60601-1-2 test levels | Electromagnetic environment - Recommendations |
|-----------------------------------|---|--|
| Conducted RF IEC/EN 61000-4-6 | 3 V _{rms} 150 kHz – 80 MHz | Portable and mobile RF communication apparatus must not be used near any part of the MOTOLIFE - AR20011 MOTOLIFE Evo - AR20012, including cables, of the recommended separation distance calculated from the equation applicable to the transmitter frequency. Recommended Separation Distance $d = 1,2\sqrt{P}$ $d = 1.2 \sqrt{P}$ 80 MHz – 800 MHz $d = 2.3 \sqrt{P}$ 800 MHz – 2.7 GHz Where P is the estimate of the maximum output power of the transmitter in Watts (W) according to the manufacturer of the transmitter and d is the recommended separation distance in meters (m). The energy |
| Irradiated RF IEC/EN 61000-4-3 | 10 V/m Modul. AM 80% 1kHz 80 MHz – 2.7 GHz | |

INFORMATION ON ELECTROMAGNETIC COMPATIBILITY

| | | |
|--|--|---|
| | | <p>field from fixed RF transmitters, as determined by a study of the electromagnetic area^a, must be below the level of conformity in each frequency range^b. Interference may occur near the devices marked with the following symbol:</p>  |
| <p>NOTE 1 At 80 MHz and 800 MHz, the separation distance is applied for the highest frequency range. NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is subject to absorption and reflection by structures, objects and people</p> | | |
| <p>a) The field of energy from fixed transmitters, as base stations for mobile phones (cellular / cordless) and mobile cellular radio systems, amateur radio, AM and FM radio broadcasts and television can not be predicted theoretically with precision. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the energy field measured in the space where the MOTOLIFE - AR20011 MOTOLIFE Evo - AR20012 is used exceeds the applicable RF compliance level, MOTOLIFE - AR20011 MOTOLIFE Evo - AR20012 must be tested to check its normal operation. If an abnormal activity is found, additional measures may be required, such as reorientation or repositioning of MOTOLIFE - AR20011 MOTOLIFE Evo - AR20012. b) Beyond the 150 KHz-80 MHz frequency range, the power range must be less than 3 V / m.</p> | | |

10.3 RECOMMENDED SEPARATION DISTANCES BETWEEN PORTABLE AND MOBILE RF COMMUNICATIONS EQUIPMENT AND MOTOLIFE

The device MOTOLIFE - AR20011 | MOTOLIFE Evo - AR20012 is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or user of shower stretchers can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF transmitters and Tcare as recommended below, depending on the maximum output power of the communication equipment.

| Estimation of the maximum output power of the transmitter (W) | Separation distance according to the transmitter frequency (m) | | |
|---|--|--|--|
| | 150 kHz - 80 MHz $d = 1,12\sqrt{P}$ | 80 MHz - 800 MHz $d = 1,12\sqrt{P}$ | 800 MHz - 2.7 GHz $d = 2,3\sqrt{P}$ |
| 0.01 | 0.12 | 0.12 | 0.23 |
| 0.1 | 0.38 | 0.38 | 0.74 |
| 1 | 1.2 | 1.2 | 2.3 |
| 10 | 3.8 | 3.8 | 7.4 |
| 100 | 12 | 12 | 23 |

For transmitters specified for a maximum output power not listed above, the recommended separation distance d in meters (m), it can be calculated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: at 80 MHz and 800 MHz the separation distance for the highest frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is influenced by the absorption and reflection of structures, objects and people.

DATASHEET, EXPLODED VIEW AND MAIN DIMENSIONS

11 DATASHEET, EXPLODED VIEW AND MAIN DIMENSIONS

| Key features | | |
|---------------------------------|---------------|--|
| Dimensions and weight | | |
| Height | | 120cm |
| Width | | 58cm |
| Length | | |
| | Legs and arms | 52cm |
| | Only legs | 82cm |
| Weight | | |
| | Only legs | 48 kg |
| | Legs and arms | 56 kg |
| Power supply | | |
| Europe | | 220-240V ~/50-60Hz - 0,83A |
| USA, Canada | | 110-120V ~/50-60Hz - 1,6A |
| Fuses | | 1xT 2A 250V |
| Consumption | | |
| Not operational | | 5W |
| Operational | | max. 200W |
| Pf | | >0,88 |
| Environmental conditions | | |
| Operating temperature | | 0°C at 40°C / 32°F at 104°F see paragraph USE ENVIRONMENT ⁷ |
| Storage temperature | | -25°C at 70°C / -13°F at 158°F see paragraph STORING ⁵ |
| Humidity | | 0% to 80% non-condensing |

Protection class

Class II, Type BF

Other features

- Minimum height of the pedals' center of rotation from the ground: 35cm
- Maximum width at base 58cm
- Maximum length at base 52cm, with arm attachment 82cm
- Maximum weight is 48kg for leg only version and 56kg with arm attachment fitted
- Maximum pedal speed 100 RPM
- Adjustable speed from 0-60 RPM in 1 RPM steps ^{7p}
- Adjustable speed from 0-100 RPM in 1 RPM steps (optional)
- Maximum torque to pedals 20Nm
- Nominal torque to pedals 8Nm
- 20 resistance values (approx. 0.5Nm per step)
- 3 step radius adjustable pedal: 50mm, 85mm, 120mm from the center of rotation
- 2 positions radius adjustable cranks: 70mm, 100mm from the center of rotation
- Right- and left-hand side pedals with standard 9/16x20 TPI connections
- Right-hand and left-hand cranks with standard 9/16x20 TPI drives

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DATASHEET, EXPLODED VIEW AND MAIN DIMENSIONS

- Balanced pedals with calf rests that do not tip over at a rotation speed of 15 RPM
- The height-adjustable handlebar allows the user to easily reach and/or lean against the monitor
- Handlebar base adjustment range 22.5cm
- Arm accessory handlebar adjustment range 22.5cm
- Arm attachment handle clearance adjustment range 12.5mm

12 WARRANTY

12.1 GENERAL CONDITIONS

All Chinesport products are warranted against defects in materials or workmanship for a period of 24 months from the date of sale of the product, except for any exclusions, limitations or conditions defined at the time of delivery of the product.

The warranty is not valid in case of improper use, tampering with the device, abuse or modification of the product or for any use or operation not explicitly mentioned in this manual.

The warranty is not valid if the device has not been correctly maintained and documented in accordance with this manual, or if the instructions regarding storage, cleaning and sanitation are not followed.

The manufacturer is not responsible for any damage or injury or any situation caused by incorrect installation or configuration of the device or using equipment that does not comply with the instructions in the installation, assembly and operating manuals.

The manufacturer does not guarantee its products against defects or damages in the presence of extraordinary conditions such as: natural disasters, unauthorised maintenance and repairs, improper power supply (where applicable), use of parts or components or accessories not original, shipping damage not directly managed by the manufacturer, lack of maintenance, obvious negligence on the part of the user or operator.

The warranty does not cover consumables, rechargeable batteries, and in general all material subject to wear, failures caused by knocks, falls, incorrect or improper use, accidental events, transport damage. If the equipment is tampered with, the warranty is automatically cancelled.

The applied parts (cables, electrodes, passive plate, dispenser) are excluded from the warranty as consumable parts. The warranty replacement of these components is foreseen only for defects found within and no later than 30 days from the date of purchase.

In warranty claims, the purchaser is responsible for the costs and risks arising from transporting the equipment to the repair center.

12.2 WARRANTY REPAIRS

In the case of a report of defects in materials or workmanship, the manufacturer assesses whether the defect is covered by warranty.

Warranty repairs must be expressly requested and are to be understood in our laboratory, subject to authorisation and with the issue of the return number.

For products sent in their original packaging, the return shipment will be made freight free.

For warranty repairs, a fiscal document is required where the date of purchase is within the warranty period (sales note, purchase invoice, fiscal receipt).

Labour costs for warranty repair (when the warranty conditions are valid) are borne by the manufacturer.

Repairing or replacing a product does not renew or extend the terms and expiration dates of the warranty.

12.3 OUT-OF-WARRANTY REPAIRS

Non-warranty products can be repaired by the manufacturer by returning them after having been authorised by the technical assistance service. The costs of repair, including shipping, materials and labour, are to be understood as being borne by the customer or the retailer. The parts and components subject to repair are to be considered covered by warranty for 24 months from the date of receipt of the repaired device.

12.4 NON-DEFECTIVE PRODUCTS

In the event that the manufacturer does not find any malfunction or defect in the returned products, it is concluded that the product is not to be considered as defective. Shipping and device management costs will be charged to the customer or distributor.

12.5 HOME REPAIRS

In case of repair at the customer's premises, a written request must be made indicating the complete details of the applicant, the type of machine and the fault.

The kilometric cost for the technician's transfer is to be agreed in relation to the customer's urgency.

In the event that the machine in question is under warranty, only the costs of the transfer will be charged.

The time is counted from the departure of the technician from our laboratory until his return, the time of return will be estimated on the basis of the time spent on the outward journey.

12.6 REPLACEMENT PARTS

A detailed list of all spare parts can be obtained from the manufacturer.

Spare parts are sold following a formal request for an offer to the technical assistance service.

Processing times are related to the availability of the parts. Returns for spare parts are not accepted.

The payment will be cash on delivery unless otherwise agreed.

13 DISPOSAL OF ELECTRICAL AND ELECTRONIC EQUIPMENT



The symbol on the label of the equipment indicates that the waste must be subject to "separate collection".

Therefore, the user must either hand over the waste to the separate waste collection centres set up by the local authorities or hand it over to the retailer against the purchase of new equipment of an equivalent type. Separate waste collection and subsequent treatment, recovery and disposal operations promote the production of equipment with recycled materials and limit any negative effects on the environment and health caused by improper waste management. Illegal disposal of the product by the user entails the application of the administrative sanctions referred to in Article 50 et seq. of Legislative Decree no. 22/1997.

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MADE IN ITALY

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Italy