

## UNIX – EVO UNIX

**LC111** UNIX 1  
**LC112** UNIX 2  
**LC121** EVO UNI 1  
**LC122** EVO UNIX 2  
**LC123** EVO UNIX PLUS

**LC116** UNIX 1 BASIC  
**LC117** UNIX 2 BASIC  
**LC126** EVO UNIX BASIC  
**LC127** EVO UNIX 2 BASIC  
**LC12B** EVO UNIX 2 LUX  
**LC12C** EVO UNIX PLUS LUX

EXAMINATION, TREATMENT, AND MANIPULATION COUCHES

### USER'S AND MAINTENANCE MANUAL



#### ACCESSORIES

AC0020 BREATHING HOLE PLUG for Unix1  
 AC0021 HEAD BAR (Excepting Unix1 and Evo Unix 1)  
 AC0022 WALL BAR  
 AC0024 FACE CUSHION  
 AC0031 PAPER ROLL HOLDER  
 AC0033 VERTICAL PAPER ROLL HOLDER  
 AC0034 2-PLY PAPER ROLL  
 AC0035 LARGE PAPER ROLL  
 AC0036 PROTECTIVE COVER  
 AC0287 CLASSICAL PAPER ROLL HOLDER  
 AC0290 PROTECTIVE SHEET

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## 1. GENERAL INFORMATION

**MANUFACTURER**

CHINESPORT S.P.A, Via Croazia,2-33100 Udine, Italia-tel.+39 0432621621–fax+39 0432621620 –  
website:www.chinesport.it

**INTENDED USE AND EQUIPMENT DESCRIPTION**

Examination and treatment couches for physical therapy, intended for outpatients departments, hospitals and professionals. Painted steel structure with electric height adjustment actuator, with pneumatic impulse control, or by means of a hydraulic piston to be activated using the foot pedal (only LC12). All models have an adjustable head section, with a gas spring servo-assisted system and breathing hole. Specific models can be fitted with foot rail controls and wheels for moving short distances.

**An operator must always be present when using this couch that has understood all the contents of this manual.**




**STORAGE**

If these materials are stored, the following ambient conditions must be respected:



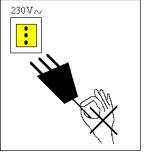

1. relative humidity 10% to 90 % - temperature -10°C to +50°C

**SYMBOLS**

Symbols are used in this manual and on the machine to attract the user's attention to important safety warnings and useful information. Heed all notices, warnings and danger signs.

	<b>WARNING</b> The warning messages inform the user of any risk of injury or danger if the procedures and conditions indicated are not complied with during operation or maintenance works.
	<b>ELECTRIC SHOCK HAZARD</b> This symbol warns the user of a risk of electric shock if the procedures and conditions indicated are not strictly complied with during operation or maintenance works.
	<b>ATTENTION</b> This Attention symbol is used to warn the user about an operating or maintenance procedure, practice or condition that, if not strictly applied, could damage the equipment.

## 2. SPECIAL WARNINGS AND USE RESTRICTIONS

	<p><b>This equipment is not to be used:</b></p> <ul style="list-style-type: none"> <li>▪ Without having studied the user's manual.</li> <li>▪ With a safety load exceeding that exceeds that declared.</li> <li>▪ When the Patient and/or Equipment is/are not properly stable.</li> <li>▪ If the original product has been tampered with and/or modified.</li> <li>▪ If the controls and/or components are even only partially faulty or defective.</li> <li>▪ When configured incorrectly or when there is any suspicion that it may harm the patient or the person using it.</li> <li>▪ Do not put parts of the body into areas affected by the movement of the various components and/or adjustments.</li> </ul>
	<p>Electrical versions:</p> <ul style="list-style-type: none"> <li>▪ Do not use in explosive atmospheres.</li> <li>▪ Do not spill liquids on the electrical parts of the equipment.</li> <li>▪ Do not damage the electric cables: avoid crushing; do not disconnect the various sections by pulling on the cable.</li> <li>▪ Frequently check the state of the electric cables and of there is any doubt, ask for them to be replaced.</li> <li>▪ Do not use the electrical adjustment continuously, but comply with the duty cycle shown in the 7 TECHNICAL SHEET.</li> </ul> <div style="float: right; border: 1px solid black; padding: 2px; text-align: center;">  </div>
	<ul style="list-style-type: none"> <li>▪ The foam rubber and plastic parts of the equipment can catch fire if brought into contact with naked flames.</li> <li>▪ Corrosive and/or abrasive detergents can damage the upholstery and paintwork.</li> </ul>

### EMERGENCY / STOP FUNCTIONS (electric models)

All the electrical functions are deactivated when the plug is removed from the electrical socket.

## 3. USE

### SETTING UP

Having removed the couch from the box, remove it from the protection used in the packaging. Any damage in transit must be reported to the transport company and the supplier immediately. Damaged equipment cannot be used. Once the power supply cable is connected to the electric socket, the couch is ready for use, rocking can be eliminated by adjusting the adjustable feet.

### ⚠ WARNING ⚠

- DO NOT CONNECT TO AN ELECTRICAL SYSTEM THAT DOES NOT CONFORM TO THE CURRENT STANDARDS FOR THE SYSTEM.
- BEFORE FORMING THE CONNECTION, CHECK THE VOLTAGE AND FREQUENCY CHARACTERISTICS.

### SETTING UP AND ADJUSTMENTS




#### HEIGHT ADJUSTMENT:

The electric couch has pneumatic controls (without electrical current) that, depending on the model chosen, may be:

- Configuration A: FOOT SWITCH
- Configuration D: HAND SWITCH
- Configuration B: FOOT RAIL

The hydraulic couch has a foot pedal on both sides of the couch, to be activated using your foot.

- Configuration C: HYDRAULIC PISTON

CONFIGURATION	ADJUSTMENT CONTROL OPTION	MODE
<b>A</b>		Push the up or down pedal, as indicated by the arrows, and keep it pushed until the required height is reached.
<b>D</b>		Push the up or down button, as indicated by the arrows, and keep it pushed until the required height is reached.
<b>B</b>		Push the foot rail down to start raising the couch, and keep it pushed. Lift the bar to lower the couch.

C		<p>Pump the pedal downwards repeatedly to raise the couch.</p> <p>Lift the pedal slowly to lower it.</p>
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**⚠ WARNING ⚠**

- MAKE SURE THAT THE PATIENT CANNOT ACTIVATE THE ELECTRICAL CONTROLS ACCIDENTALLY.
- DO NOT SIT ON THE HEAD END.
- DO NOT PUT YOUR FEET ON THE BASE WHEN THE MECHANICAL PARTS ARE MOVING (Panel moving down).

WHEEL KIT FOR MOVING THE COUCH (optional):

MODEL	WHEEL CONTROL KIT	MODE
LC121 LC122 LC123		<p>To lower the 4 retractable wheels, push the device's pedal all the way to the stop with the sole of your foot.</p> <p>To raise the wheels, lift the pedal with the upper side of your foot.</p>
LC111 LC112		<p>To lower the 2 retractable wheels, push the device's pedal all the way to the stop with the sole of your foot.</p> <p>To raise the wheels, lift the pedal with the end of your foot.</p> <p>Repeat the operation for the 2 wheels on the other end as well.</p>

**!** The retractable wheels allow the couch to be moved but only without any additional loads and on a smooth surface.

**SECTION ADJUSTMENT USING A GAS SPRING:**

MODEL	PANEL ADJUSTMENTS AND DIMENSIONS	MODE
LC111 LC112 LC116 LC117		<p>To release the head section, pull the control handle and lower the panel. Release the handle to lock in position.</p>
LC121 LC122 LC123 LC126 LC126 LC12B LC12C		<p>To adjust the side armrest, slacken the handwheel and slide it along the guide. Tighten to lock in position.</p>

**⚠ WARNINGS ⚠**

- MOVEMENT OF THE ADJUSTABLE SECTIONS CAN CAUSE PINCHING IN THE VICINITY OF THE HINGES
- MAKE SURE TO SUPPORT THE ENTIRE LOAD AS YOU OPERATE THE ADJUSTMENT LEVERS WHILE THE PATIENT IS ON THE COUCH.

## 4. CLEANING AND CONSERVATION:

Cleaning of electrical equipment is only to be done with the unit disconnected from the electricity mains. Use a damp cloth and neutral detergent to clean. Any stains on the upholstery must be removed quickly using colourless ethyl alcohol diluted in water at 20% - rinse well.



### WARNING

- REGULARLY DISINFECT THE SYNTHETIC LEATHER AND USE DISPOSABLE PAPER ROLL TO KEEP THE COUCH CLEAN.
- AGGRESSIVE PRODUCTS CAN DAMAGE SURFACES.
- DO NOT USE STEAM JETS, WASHING TUNNELS, PRESSURISED WATER CLEANERS, OR HIGH PRESSURE JETS.

## 5. MAINTENANCE

Maintenance operations are to be carried out by specialist technicians that have studied the contents of this instruction manual.

Check that the equipment is safe after any "harsh treatment" (e.g. falling, impact, etc.) and whenever there is any doubt about the safety of the equipment.

### SPARE PARTS

Only use original spare parts. Contact CHINESPORT S.p.A. for a spare parts list.

### ROUTINE MAINTENANCE

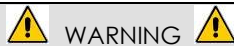
Routine maintenance tasks must be carried out at the intervals indicated in the table. These tasks must only be done by qualified personnel that are informed about the model, use and maintenance of this equipment.



### WARNING

- WHEN THERE ARE SIGNS OF DANGER, FOR SAFETY REASONS THE EQUIPMENT MUST IMMEDIATELY BE DEACTIVATED, WITHOUT ANY POSSIBILITY OF IT BEING USED UNTIL THE DANGER HAS BEEN ELIMINATED.
- USE THE RELEVANT FORM ENCLOSED TO RECORD ANY DEFECT / DAMAGE / ACTION THAT IS SIGNIFICANT FOR THE SAFETY OF THE COUCH.

FREQUENCY	TASK
Every six months or at least once a year	General cleaning of the equipment
	Visual and functional inspection of the equipment and related electrical and manual commands.
	Frame and mechanical parts: Check bolts and screws are tight, check bushings and pins for wear, check that there is no breakage, deformation or damage.
	Check that the adjustable sections are stable and do not give way when the control lever is released.
	Check that the electrical control connectors and the actuators are inserted fully.
	Check the integrity of the insulation on the electric cables.
	Make sure that when in use and when electrical features are used no unusual sounds, vibrations, or oscillations occur that could indicate faults in the actuator and/or mechanisms.
On completing the operations indicated above, complete the inspection and a working test by executing a lifting cycle at the maximum safe load.	



### WARNING

- FOR ALL TASKS NOT INCLUDED IN THE ROUTINE MAINTENANCE LIST, CONTACT CHINESPORT'S ASSISTANCE CENTRE.

### EXTRAORDINARY MAINTENANCE

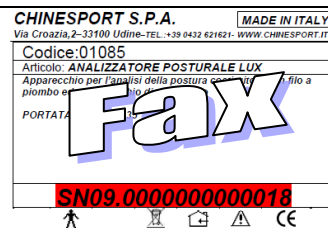
For safety reasons and to avoid the guarantee being nullified, no electrical component is to be opened or repaired. Any faults on control units or actuators are to be referred to Chinesport's Service Department for diagnosis and for taking the most suitable action.

## 6. TROUBLE SHOOTING

## DIRECT E-MAIL FOR TECHNICAL ASSISTANCE

# assistenza@chinesport.it

Alternatively you can contact us by fax at n° (+39) 0432-621698 or  
telephone (+39) 0432 621699.



### Note:

- Before calling our technical support, write down the SERIAL NUMBER printed on the product label located on the equipment (as shown in the facsimile above); or the transport document / invoice number. This identification number helps reducing waiting times and improves service quality.
- The equipment in need of repair at Chinesport premises must carry the "AUTHORIZATION NUMBER" on the package. This identification number, to be required from the Technical Assistance Service, helps reducing waiting times and improves service quality.

This equipment was tested under very stringent conditions. During the tests no specific breakages and/or faults were found. If the unit does not work, use the troubleshooting indications below:

Problem	Cause	Solution
<b>ELECTRICAL HEIGHT ADJUSTMENT</b>		
The electrical adjustment does not work.	Power supply not available.	Check connection to the mains and that the supply is live.
	Motor stoppage due to overheating.	Wait a few minutes for the motor to return to its normal working temperature. <b>Comply with the work and pause times (duty cycle).</b> <b>Comply with the loadbearing capacity.</b>
	Protective fuse in the motor blown.	Contact the Assistance Centre
	Pneumatic control interrupted.	Check that the air hose is inserted fully into the (Foot switch / Hand switch / Foot rail) control connections and the Motor. Make sure that there are no cuts or holes in the hose that would result in the pressure required for functioning to be lost.
	Pneumatic control faulty.	Disconnect the control air hose (for the Foot Rail this is on the base, near the motor) and blow into it with your mouth, instead of using the motor. <ul style="list-style-type: none"> <li>• The adjustment does not start working again: motor faulty, contact the Service Centre.</li> <li>• It starts working again: Replace the Hand switch, Foot switch, or Pneumatic bellows, depending on the equipment fitted on the couch.</li> </ul> <p>Remember that the foot switch has a second inlet that can reactivate the controls, with the functions inverted (lower instead of raise, and vice-versa).</p>
<b>HYDRAULIC HEIGHT ADJUSTMENT - ADJUSTMENT OF SECTIONS</b>		
Lifting does not work or the position is not maintained.	Hydraulic piston faulty.	Contact the Assistance Centre
The section adjustment does not work or the position is not maintained.	Gas spring faulty or incorrectly set.	Contact the Assistance Centre
	Transmission cable interrupted.	

## 7. TECHNICAL SHEET

Product name	UNIX 1	UNIX 2	EVO UNIX 1	EVO UNIX 2	EVO UNIX PLUS
Product Code	LC111x	LC112x	LC121x	LC122x	LC123x
<b>Safe working load (Electric / Hydraulic)</b>	170 kg / -	170 kg / -	250/200 kg	250/200 kg	250/200 kg
<b>Max patient weight (Electric / Hydraulic)</b>	150 kg / -	150 kg / -	230/180 kg	230/180 kg	230/180 kg
<b>Height adjustment</b>	cm 55-93	cm 55-93	cm 50-97	cm 50-97	cm 50-97
<b>Adjustment system</b>	Electrical	Electrical	Electric / Hydraulic option	Electric / Hydraulic option	Electric / Hydraulic option
<b>Adjustable sections</b>	1	1	1	1	1
<b>Movement of adjustable sections</b>	Gas spring	Gas spring	Gas spring	Gas spring	Gas spring
<b>Overall dimensions</b>	cm 195x68	cm 200x68	cm 195x68	cm 200x68	cm 200x68
<b>Transportation wheels</b>	Option 2 pedals	Option 2 pedals	Option 1 pedal	Option 1 pedal	Option 1 pedal
<b>Upholstery fabric class</b>	1 IM	1 IM	1 IM	1 IM	1 IM
<b>Padding</b>	Foam rubber 30mm-30kg/m <sup>3</sup> .	Foam rubber 40mm-30kg/m <sup>3</sup>	Foam rubber 30mm-30kg/m <sup>3</sup> .	Foam rubber 40mm-30kg/m <sup>3</sup>	Foam rubber 40mm-30kg/m <sup>3</sup>
<b>Power supply (electric models)</b>	230V-50/60Hz 1,5A	230V-50/60Hz 1,5A	230V-50/60Hz 2A	230V-50/60Hz 2A	230V-50/60Hz 2A
<b>IP Protection (electric models)</b>	IP44	IP44	IP54	IP54	IP54
<b>Electrical Safety (electric models)</b>	Class 2 - Type B	Class 2 - Type B	Class 2 - Type B	Class 2 - Type B	Class 2 - Type B
<b>Fuses (electric models)</b>	Internal - cannot be inspected	Internal - cannot be inspected	Internal - cannot be inspected	Internal - cannot be inspected	Internal - cannot be inspected
<b>Use (electric models)</b>	25 sec ON 400 sec OFF	25 sec ON 400 sec OFF	25 sec ON 400 sec OFF	25 sec ON 400 sec OFF	25 sec ON 400 sec OFF

## 8. WARRANTY

## GENERAL 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 the material subject to wear, breakdowns caused by knocks, falls, misuse or improper use, accidental events and transport damage. 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 stated.

An estimate must be specifically requested.

Payment will be cash on delivery, unless other agreements are made.

Any dispute will be dealt with solely by the Court of UDINE.

## WARRANTY REPAIRS

Repairs under warranty must be specifically requested.

Repairs under warranty shall be carried out at our workshop and upon authorization.

The return shipment for products sent in their original package will be made free of carriage charges.

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 fault-finding service shall be charged to the customer.

## OUT-OF-WARRANTY REPAIRS

For out-of-warranty repairs carried out at our workshops upon authorization, transportation charges shall be paid by the customer.

The warranty of the parts replaced during the 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 fault-finding service shall be charged to the customer.

## REPAIRS MADE AT HOME

In the event repairs are made 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 kilometre for on-site technician visits will be agreed upon in relation to the urgency of the customer.

In the event the machine 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 he/she returns. The time of his/her return will be estimated based on the time required to get there.

## SALE OF SPARE PARTS AND CONSUMABLE ITEMS

The orders must be in writing and specify the customer, the item and the shipping method as well as the precise fiscal data of the customer.

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

We do not accept returns for spare parts.

Payment shall be made in cash on delivery, unless special arrangements have been made.



## 9. DISPOSING OF ELECTRICAL AND ELECTRONIC EQUIPMENT

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

Therefore, the user is to 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. The separate collection of waste and the 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 to the user as referred in Art. 50 et seq. of Italian Legislative Decree No. 22/1997.



## 10. MAINTENANCE RECORD SHEET

EQUIPMENT		DATE of first installation		SERIAL NUMBER	
DATE OF SERVICE	OPERATIONS CARRIED OUT	TECHNICIAN	SIGNATURE	NEXT DUE DATE	