GIMA

PROFESSIONAL MEDICAL PRODUCTS

LETTI PER DEGENZA
HOMECARE BEDS
LITS MÉDICALISÉS À DOMICILE
CAMAS DE CUIDADO EN EL HOGAR
CAMAS PARA CUIDADOS NO DOMICÍLIO
ΟΙΚΙΑΚΑ ΚΡΕΒΑΤΙΑ ΝΟΣΗΛΕΙΑΣ
PATURI DE ÎNGRIJIRE LA DOMICILIU
SÄNGAR FÖR HEMVÅRD

È necessario segnalare qualsiasi incidente grave verificatosi in relazione al dispositivo medico da noi fornito al fabbricante e all'autorità competente dello Stato membro in cui si ha sede.

All serious accidents concerning the medical device supplied by us must be reported to the manufacturer and competent authority of the member state where your registered office is located.

Il est nécessaire de signaler tout accident grave survenu et lié au dispositif médical que nous avons livré au fabricant et à l'autorité compétente de l'état membre où on a le siège social.

Es necesario informar al fabricante y a la autoridad competente del Estado miembro en el que se encuentra la sede sobre cualquier incidente grave que haya ocurrido en relación con el producto sanitario que le hemos suministrado

É necessário notificar ao fabricante e às autoridades competentes do Estado-membro onde ele está sediado qualquer acidente grave verificado em relação ao dispositivo médico fornecido por nós

Σε περίπτωση που διαπιστώσετε οποιοδήποτε σοβαρό περιστατικό σε σχέση με την ιατρική συσκευή που σας παρέχουμε θα πρέπει να το αναφέρετε στον κατασκευαστή και στην αρμόδια αρχή του κράτους μέλους στο οποίο βρίσκεστε

Orice accident grav produs, privitor la dispozitivul medical fabricat de firma noastră, trebuie semnalat producătorului și autorității competente în statul membru pe teritoriul căruia își are sediul utilizatorul

Det är nödvändigt att meddela tillverkaren och de behöriga myndigheterna i den berörda medlemsstaten, om alla allvarliga olyckor som inträffat i samband med den medicintekniska utrustning som levererats av oss

GIMA 27683 - 27684 - 27693

Anhui Longway Medical Technology Co., Ltd.
No. 59 Lingji Rd., Industrial Park, Mingguang, Anhui, China
Made in China

Gima S.p.A.
Via Marconi, 1 - 20060 Gessate (MI) Italy
gima@gimaitaly.com - export@gimaitaly.com
www.gimaitaly.com

REF **LW05202SL - LW05202S - LW05208**

EU REP Lotus NL B.V. Koningin Julianaplein 10, 1 e Verd, 2595AA, The Hague, Netherlands

UK REP Lotus Global Co Ltd.
23 Maine Street, Reading, RG2 6AG, England,
United Kingdom

50°C
-10°C

MD

M27683-M-Rev.3-08.26

1. GENERAL INFORMATION

1.1 Structure of the manual and procedure for consulting

The instruction manual is an integral part of the provision of this bed.
The manual is for customers, owners, safety personnel, users and maintainers.

1.1.1. Symbols Used

The following pictograms can be found in the manual.

	Operation must be carried out by qualified personnel only or an assistance centre.
	Read the intruction manual
	Operation that must be done by two persons
	Warning! Danger
	Warning! Important information
	Use protective gloves

1.1.2 Aim and content

This manual provides with information on proper use, technical characteristics and safety warnings; it cannot, however, replace the user appropriate experience.

1.1.3 Maintenance

This manual must be kept in an accessible and well-known place by all the operators, protected against humidity, heat and light.

1.2 Introduction

1.2.1 Intended use

The device intended to be used as a bed only.
This bed is intended to be used in private home, care home, hospital, or community environment, by users over 12 years old.
Different uses are not contemplated.
This product can only be paired with the products featured in the list of compatible accessories.
Use with other products must be evaluated in advance and may invalidate the warranty.

2 SAFETY WARNINGS

2.1 General provision

- Do not proceed to assembling this product before consulting this instruction manual.
- Every alteration of the product unbeknown to the manufacturer is the full responsibility of whoever makes the changes. Alterations made without the authorization of Longway Medical Technology Co., Ltd. will invalidate any warranty and invalidate the declaration of conformity to the applicable directives.
- It is forbidden to use the product in a different way from the one described in this user manual.
- Longway Medical does not any responsibility for malfunctions or damages to objects and persons due to the incorrect use of the product.
- Operators must carefully read this manual, follow the given instructions and familiarize themselves with the procedures for the use and maintenance of this product.
- When the patient is not under surveillance, the medical bed should be set in the lower position with the siderails up in order to reduce the risk of falls and injuries.
- Avoid any inappropriate use of the power cord. The dangers arising could be - for example - kinks, cuts and other mechanical damages.
- In the event that cables from other equipment are located inside the medical bed, it is necessary to take precautions in order to avoid them to be crushed between other components of the medical bed.
- Due to the limited space under the medical bed, it is necessary to use it with suitable lifting devices.
- Use and perform any maintenance on the product following the instruction provided by this manual and use only spare parts and assistance approved by Longway Medical.
- Do not use the product for purposes other than those for which it was built and designed for.
- Retain this manual for consulting or personnel training. It is intended to be kept together with the product if sold or used by new users.

2.2 Provisions relating to electrical hazard

Power supply must be provided to the machine using a protected line in order to avoid overcurrent through automatic magneto-thermal switch and diff; these devices must provide enough electrical power to protect the size of the power wires.

- If extension cords are necessary, the power wires must end with a plug which is indissolubly plugged or with other devices able to avoid water entering during the cleaning process of the bed.
- The medical bed must be provided with a suitable equipment in order to maintain the power wire free from any mobile part or mechanism of the medical bed when this is functioning, or while it is moved, in order to avoid any damages to the power wire.
- Power cords must be adequately protected against damages that may be caused if they come in contact with one or more moving parts or they rub against sharp angles and surfaces inside the medical bed.

2.3 Provisions of use

Warnings on the use of the medical device are shown below.

- Before operating the moving parts of the bed, make sure they don't damage any pipe, electric cable, catheters and other devices else and ensure they will not make the user uncomfortable or in any sort of problematic situation; see this manual for information on the procedure.
- When provided, wheels have the sole purpose of moving the bed when sanitation, therapy etc. are necessary and they should be kept braked at any other time.

2.4 Use

The daily use of the product is allowed only when each and every safety security feature and functional part is well-functioning and correctly maintained.
The bed is intended to be used in private or care home's, hospitals and community environment by users over 12 years old.
The only possible use is the one described in this manual; we recommend to read the instructions carefully in order to be fully aware of the functionality of the product.

2.5 Contraindication to use

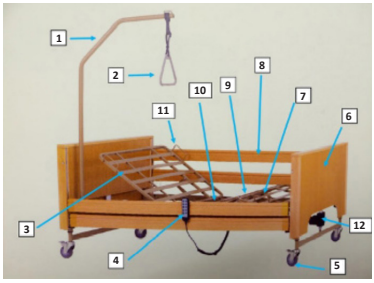
• It cannot be used when moving parts are not connected or welded, or show abnormalities.
• It cannot be used in environment subject to water splashing or critical and adverse weather conditions.
• It cannot be used if defectiveness is shown: this can cause unexpected situations of danger.

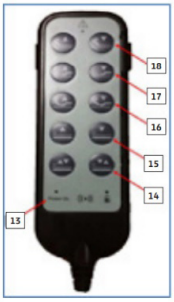
2.6 Residual risk

If the requirements displayed in this manual are not observed
• Risk of limbs crushing if limbs are placed under the moving parts during downward movements.
• Risk of injury or fire if the electrical components come in contact with fluids.
• Risk of damages to the product if this is subject to critical or adverse weather conditions.

3. PRODUCT DESCRIPTION

CODES:
LW05202S Standard Electric Homecare Bed New
LW05202SL Extra Low Standard Electric Homecare Bed New
LW05208 Economy Electric Homecare Bed(with wooden slat)





3.1 References to illustrations

1. Monkey pole
2. Handle
3. Back section
4. Button/remote with cable
5. Wheels with brake
6. Footboard
7. Foot section
8. Side panels
9. Thigh section
10 Pelvis section
11 Mattress stopper
12 Electric actuator
13 Power Led
14 Trendelenburg/Antitrendelenburg activation
15 Bed base height adjustment
16 Legs-back simultaneous adjustment
17. Legs section adjustment
18. Back adjustment
19. Wheel with brake

The manufacturer reserves the right to bring modifications to the product and its instruction manual without advance notice or modifying earlier productions.
The manufacturer is relieved of any responsibility for damages resulting from misuse by untrained personnel, unauthorized alterations or operations, use of non-original spare parts, exceptional events, total or partial disregard of the instructions displayed in this manual.
Bed control unit

3.2 Description

The bed was designed and built to provide high-quality standards and sturdiness.
The medical device is composed of a bed base, named applied part, a footboard and a support headboard.
This three joint, four section bed with adjustable height has the following specifics:
• Steel square-meshed net frame 200x89 cm which is height adjustable using electronic controls provided in 43 or 86 cm
• Back section adjustable from 0° to 70° using the electronic pusher (24V dc).
• Fixed pelvis section
• Legs section adjustable from 0° to 30° using the electronic pusher (24V dc).
• Back section continuously adjustable together with the legs section
• Removable wooden siderails
• Headboard and footboard height 44 cm
• This bed is intended to be used in private or care home, hospital or community environment, by users over 12 years old. However, it can also be used as room furniture in the same environment. Use with other products must be evaluated in advance.
• Supplied wheels with brakes for headboard and footboard of 12,5 cm Ø

3.3 Optional extras

OPTIONAL ACCESSORIES MAY NOT BE AVAILABLE.

CODE	DESCRIPTION	PHOTO
LW10205	Deluxe Bedrail	
LW10206	N-shaped Bedrail	
LW10207	Lift Round Pole	

The use of different types of mattresses from those shown requires the observance of the minimum height for the lateral parapets and the requirements set by the UNI 60601-2-52 standard.
WARNING! — Taking into account the safety devices for the patient, the manufacturer declines all responsibility in the case of using a different type of mattress which fails to comply with the minimum height of the parapets set by the UNI 60601-2-52 standard.

3.4 Technical specification

3.4.1 Technical specification

	LW05202S LW05202SL	LW05208
Bed mass	**120 kgs**	**108kg**
Max capacity (mattress + user + accessory)	**180 kgs**	**180kgs**
Maximum dimension	**2150 x 1020 mm**	**2120 x 1030mm**
Bed base height from the floor (min/max))	**380/790 mm 270/680mm (LW05202SL)**	**380/790 mm**
Backboard/footboard height	**560 mm**	**560 mm**
Bed base size	**2000x 900 mm**	**2000x900mm**
Head section	**790 x 715 mm**	**790x 715 mm**
Pelvis section	**860 x 205 mm**	**860x 205 mm**
Legs section	**790 x 295 mm**	**790x 295 mm**
Foot section	**790 x 440 mm**	**790x 440 mm**
Angle moving back section (max)	70°	70°
Angle moving legs section (max)	25°	25°
Moving legs section height from the bed base (max)	210 mm	210 mm

Storage and packaging temperature (in a dry environment)	-10 ÷ 50°C	-10 ÷ 50°C
Temperature range of usage environment	10 ÷ 50°C	10 ÷ 50°C
Mattress weight (max)	30 Kg	30 Kg
User weight (max)	135 Kg	135 Kg
Packaging sizes HEADBOARD/ FOOTBOARD + BED SPRING	1240 x 410/450(B) x 960 mm(LW05202(S); 1240x390/410(B) x930(LW05207)	1240 x 410/450(B) x 960 mm(LW05203); 1240x390/410(B) x930(LW05208)
Packaging sizes SIDE PANELS	2050 x 150 x 110 mm	2050 x 150 x 110 mm
Packaging sizes MONKEY POLE	2074 x 400 x 400 mm	2074 x 400 x 400 mm

3.4.2 Electric components
Supply voltage 230V AC
Operating voltage 24V DC
MAX power consumption 220 W
MAX actuators thrust force 6000 N
MAX hand control voltage 24V DC

4. ASSEMBLY

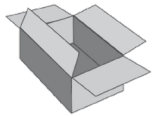
4.1 Unpacking

The instruction manual is an integral part of the provision.
The manual is for customers, owners, safety personnel, users and maintainers.
Used symbols
The following pictograms can be found in the manual.

The bed comes disassembled into its parts in nr. 2 boxes. Make sure all the components are in good condition before proceeding.

When the packed product is transported with a trolley be careful to avoid injuries from accidental roll.

Open the package and extract content with caution, making sure not to demage it.



After unpacking the product, make sure it is not damaged; otherwise, please contact the authorized dealer. Damages caused during incorrect transport, unpacking or assembly are not covered under warranty.

Bed components:

BOX 1

Bed base and motor within-built control unit

Headboard and footboard

BOX 2

Wooden siderails

Operations must be carried out by qualified personnel only

4.2 Assembly

The product must be transported following the directions on the package; if manual handling is necessary, keep in mind that one operator can carry a maximum load of 25 kg.

Lift and move the bed slowly in order to avoid injuries from biomechanical overload of the spine.
If moving the product is necessary, we recommend the use of protective gloves and the presence of at least two operators to lift the product.

The assembly operation of the medical device must be carried out by at least two operators in order to avoid damages to objects or persons.

Use protective gloves

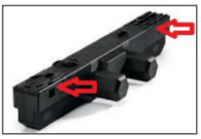
The device is supplied disassembled

Bed base
- Insert the two inserts at the end of the bed base, head side. The inserts must be assembled so that one of them protrudes more than the other.
- Slightly tighten the two bolts, head side
- Push the bed base, foot side, against the two inserts.
- Tighten the two bolts at the foot side.
- Complete tightening all the bolts.

Motor and in-built control unit assembly
- When the bed base is assembled, before proceeding and fixing it to the headboard and the footboard, the bed base must be overturned so that its hooks are pointing upwards.

For LW05208
- Starting from this position of the bed base, proceed on assembling the motor unit by pushing and make sure it is fixed to the two pins
- Slide out the two lids from the slots, where the hooks for the bed shall be put
- Flip the motor and match the slots with the two protruding hooks and push on.
- Reinsert the two lids into the motor over the hooks to secure

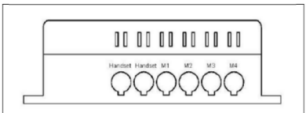
Before locating the hooks, please pay attention to the the icons affixed on the motor to ensure correct orientation



HEAD SIDE

LEG SIDE

For LW05202S/LW05202SL
The control unit is fixed on the main bed plate
Labels are applied on the control unit with symbols illustrating the connection point of the motor and control sockets. Implement the links according to the following matches:



M1	Head motor
M2	Foot motor
M3	Legrest elevating motor
M4	Backrest elevating motor
Handset	Hand control

HEADBOARD /FOOTBOARD assembly
• Hook the bed base onto the headboard / footboard and push tightly in order to block it in position
• Tighten the bolts

WIRING assembly for LW05208
23. Headboard motor connection
24. Footboard motor connection
25. Remote connection

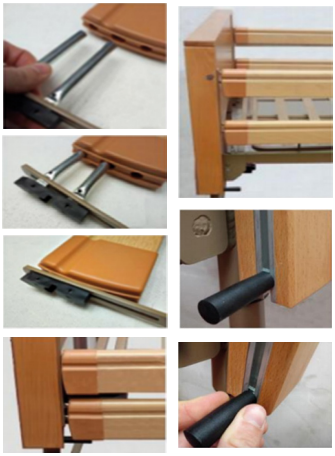
Connect the motor of headboard

For LW05202S/LW05202SL
To prevent cables from being damaged when the engines are activated, follow the instructions below:
• Connect the cables of the test/foot motors directly on the control unit.
• Connect the height adjustment motor cables contained in the heads directly on the control unit
• Connect the remote control cable to the control unit
• Connect the mains cable to the general 230V power supply.
• Bring the head/foot motors to a high position.
• Carry out all section movements, mattress platform, and trendelenburg to check for interference between cables and moving parts.
• Make sure all cables are free and without risk of entangling in moving parts of the bed
Insert the monkey pole (loops from parts box)

In order to avoid the damage of the cables when the engine is starting, strictly follow the
following instruction:
- Connect the headboard/footboard cables straight to the central motor unit
- Connect the remote cable to the central motor unit
- Connect the mains cable to a 230V general electric supply
- Put the headboard/footboard motors in a high position
- Perform movements of the sections, mattress platform and trendelenburg in order to verify possible interference between the cables and the moving parts
- Make sure all the cables are free from the risk of entanglement with the moving parts of the bed

⚠	**Take care when handling the footboard the risk of crushing and damage to the product is real as the adjustable foot-lifter is not securely locked into the head or foot board.**
⚠	**Remove the plug from the socket before moving the bed**

SIDE PANELS assembly
- Lift the bed base approximately 1/4 to make the insert of the panels easier
- Insert the panels from below until the stops click in position.



⚠	**Keep the electro-medical device in a place where the plug can be easily disconnected from the socket.**

5. USE

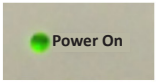
5.1 Use of the medical device

⚠	**Keep the electro-medical device in a place where the plug can be easily disconnected from socket**
ℹ	**The remote is provided with safety lock thanks to a magnet which turns on automatically when the device has not been used for more than 30/40 seconds.**

The device is not provided with a main switch, just plug into the mains socket to access all the features. Pulling the plug off the mains socket works as emergency response on the power supply.

The bed must be seton its lowest height and the siderails raised while not supervised in order to reduce the risk of falling.

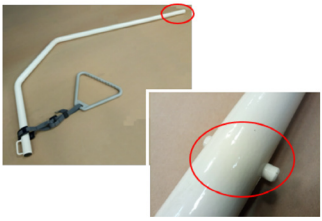
13. Power Led
14. Trendelenburg/Anti -trendelenburg activation
15. Bed base height adjustment
16. Legs-back simultaneous adjustment
17. Legs section adjustment
18. Back adjustment
19. Wheel with brake



Power led
(Green means on)

Command reception led
(Red means on)

Handset Safety
Lock Magnet



The WARNING! symbol is on when one of the components of the device is being moved by the electric motors.

In order to move the wooden siderails, it is necessary to push the brown button which activates the locking pin on the headboard and footboard, then proceed as following:
- LIFTING: grab an end of the panel and pull up the higher wooden siderail in order to activate the locking pin; if this clicks, the attachment has been successful.
Repeat this operation for the headboard and then the footboard or vice versa.
- LOWERING: grab an end of the siderail, push the brown button, then lower the rail all the
way down. Repeat this operation with the other end.
To activate the monkey pole:
Insert the monkey pole on the provided hook on the bed base, making sure to insert the locking stops into the right holes on the hook.

6. TROUBLESHOOT

When operations are represented by this symbol they must be carried out by qualified personnel only.

INCONVENIENCE	SOLUTION
The bed doesn't answer to the UP/DOWN command	- Check the plug is correctly plugged in - Repeat the activation process of the remote - Verify and clean the contacts - Reduce the load
The LED command of the remote is not working	- Replace the LED
The battery does not charge properly	- Contact the technical support service
The device moves intermittently	- Remove the movement connectors from the remote and clean the contacts with a dry alcohol pad - Contact technical support
The panels are not properly inserted	- Lubricate the machine - Contact technical support
Unusual sounds when the device is operating	- Contact technical support

7. ROUTINE MAINTENANCE

These operations can be carried out by the user.
The device needs ordinary maintenance just like any other product, so that it is maintaned in safe perfect functioning condition.
Food, hair and any other accumulating debris - like dust - must be removed daily; a domestic vacuum cleaner can be used for this operation.
The following table shows the recommended frequency for maintenance operations. Constant monitoring and attention by the user shall encourage carrying out the actual necessary operations.

7.1 Routine maintenance table

Frequency	
6 months	**Cleaning metal parts** Proceed with cleaning these parts according to use and necessity **Cleaning plastic parts** Proceed with cleaning these parts according to use and necessity **Cleaning wooden parts** Proceed with cleaning these parts according to use and necessity
1 year	**General check** • Check the wheels and tighten the bolts • Check paint for rust or chipping • Check plastic parts are intact and the state of wear, consider replacement if reqd • Check if the electric motors are working properly and lubricate the screws
If transferred to third parties or restored	**Disinfection** **Warning! Disinfection substances must be used by specifically qualified personnel only** The disinfection of this device must be carried out by specialized centers according to the dispositions made by the competent health authority. For more information contact the authorized technical support service.

7.2 Cleaning metal parts
Painted metal parts can be cleaned using sprays for domestic use only if they are alcohol-free and solvent-free, alcohol and solvents can discolour or damage painting.
Chromed parts can be cleaned using ordinary domestic products and before being carefully dried.

7.3 Cleaning plastic parts
Plastic parts can be cleaned using an ordinary plastic cleaner following the instructions and
contraindications of the product. Avoid solvent-based and alcohol-based products.
Do not use jets and avoid splashing water.

7.4 Cleaning wooden parts
Wooden parts can be cleaned using an ordinary non bleach cleaners, following the instructions and contraindications of the product. Avoid solvent-based and alcohol-based products.
Do not use jets and avoid splashing water.

7.5 Replacement of worn parts

Operations of replacement of worn parts must be carried out by qualified personnel only

If, during the at least yearly routine inspection, damaged or worn parts are revealed, these must be immediately replaced as recommended by the inspecting personnel. We recommend an independent inspection is completed at leat every 12 months.

Original spare parts must be used when replacing damaged parts, we cannot accept responsibility for damages to objects or persons if this is not adhered to.

List of basic common spare parts:
• platform electric motor kit
• handset
• castor with brake
• Headboard/footboard motor

WARNING! Any maintenance and/or replacement operation must be carried out exclusively when the bed is not being used by the user and free from any accessories (Linen, mattress, panels, etc.) and is UNPLUGGED.

7.6 Storage
If the medical device remains unused for a long time, it must be kept in a dry environment away from direct sunlight and humidity in order to avoid damages to the device.
Make sure the medical device is kept in perfect clean condition.

7.7 Disposal
Before proceeding with dismantling, the device must be unplugged.

This symbol on the device means that the product at its end of life must be collected
separately from household waste in accordance with European Directive 2012/19/UE on
electric and electronic waste (RAEE).

The packaging material is 100% recyclable. For disposal follow local regulations.
The packaging material (plastic bags, polystyrene, etc.) must be kept out of reach of children as potential source of danger.

For further information on treatment, recovery and recycling of this product, please contact the local office according to the applicable law.

8. EXPECTED LIFESPAN
The average lifespan of your homecare bed is 5 years. Depending on the frequency and way of use and maintenance, the lifespan of your homecare bed will increase of decrease

SYMBOL LEGEND

	Manufacturer
	Date of manufacture
REF	Product code
LOT	Lot number
EU REP	Authorized representative in the European community
	Caution: read instructions (warnings) carefully
	Follow instructions for use
CE	Medical Device compliant with Regulation (EU) 2017/745
MD	Medical device
UDI	Keep away from sunlight
	Keep in a cool, dry place
	Imported by
	Store in a cool, dry place
	Store away from sunlight
	Temperature limit
UK REP	Authorized representative in the United Kingdom

GIMA WARRANTY TERMS
The Gima 12-month standard B2B warranty applies.

Disposal: *The product must not be disposed of along with other domestic waste. The users must dispose of this equipment by bringing it to a specific recycling point for electric and electronic equipment.*