JMS

USER MANUAL

Wooden Electric Adjustable Bed

Models 10.CM.6028 and 10.CM.6065

Keep this manual available throughout the service life of the bed.

Product and Contact Information

Role	Details
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Manufacturer	JMS - Indústria de Mobiliário Hospitalar, S.A. | Rua Zona Industrial do Bunheiro, 26, 3870-021 Murtosa, Portugal
Technical assistance	Contact the distributor or an authorised service provider.
Manual reference	MU.21.145.R0.PT | 30.07.2024

This manual was created by the manufacturer to support the correct assembly, operation and use of the bed. If questions remain after reading it in full, contact Loja Ortopédica.

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1. General Information

This manual contains the instructions required for the use of the electric adjustable beds ref. 10.CM.6028 and 10.CM.6065. These configurations consist of bed base ref. 10.CM.6045 and a wooden structure, with or without side rails. Read this manual completely before use.

1.1 Symbols, Warnings and Product Labels

WARNING	Indicates a possible risk in procedures or conditions which, if not followed correctly, may lead to death, personal injury or other serious consequences.
CAUTION	Indicates a possible risk in procedures or conditions which, if not followed correctly, may cause equipment damage or failure.

A note explains or reinforces a procedure or condition.

Symbol / Label	Meaning
REF	Article reference
Manufacturer	Manufacturer identification
Date	Date of manufacture
Model	Bed model
WEEE	Do not dispose of with household waste
Crushing hazard	Risk of crushing or compression
SWL	Safe working load
LOT	Lot / manufacturing order
SN	Serial number
Indoor use	Use indoors only
Manual	Read the user manual

1.2 Standards and Regulations

The bed is designed to meet the applicable requirements of the following standards and regulations:

- EN 60601-1:2006 - Medical electrical equipment - Part 1: General requirements for basic safety and essential performance.
- EN 60601-1-2:2015 - Medical electrical equipment - Part 1-2: General requirements for basic safety and essential performance - Collateral standard: Electromagnetic disturbances - Requirements and tests.
- EN 60601-1-6:2010 - Medical electrical equipment - Part 1-6: General requirements for basic safety and essential performance - Collateral standard: Usability.
- EN 60601-2-52:2015 - Medical electrical equipment - Part 2-52: Particular requirements for the basic safety and essential performance of medical beds.
- Manufacturing processes are defined in accordance with internal procedures meeting NP EN ISO 9001:2015 and NP EN ISO 13485 requirements.

1.3 Product Delivery Conditions

The bed is supplied as a bed base plus a wooden structure with legs, headboard and footboard, which must be assembled before use. On delivery, check that the bed is complete. Any missing parts or damage must be reported immediately to the supplier in writing.

1.4 Safety and Risks

1.4.1 General Safety Instructions

WARNING	Read the instruction manual carefully before using the bed. This helps prevent injury and equipment damage caused by incorrect handling. Clean and disinfect the bed before first use.

The manufacturer accepts no responsibility for damage, injury or accidents resulting from negligence or incorrect handling. Safety recommendations and movement instructions must be followed strictly.

1.4.1.1 Bed Operation

- Use the bed only for its intended purpose and only when it is in perfect working condition.
- The bed must only be operated by persons whose knowledge or practical experience enables them to use it correctly.
- Ensure the bed is used only by adult patients who meet the conditions in section 1.5.2.
- Where the patient's medical condition permits, explain the bed functions and all applicable safety instructions to the patient.
- The bed is intended for indoor use only.

1.4.1.2 Handling and Moving the Bed

- The patient should sit or lie on the bed only when the mattress platform sections are horizontal, to avoid damage to the joints and motor.

- Adjust the inclination of the bed base according to the patient's body shape, condition and clinical status.
- When moving articulated parts, take care to prevent trapping or crushing of the patient or anything nearby.
- When moving the bed, unplug, secure or place the power cable safely to prevent damage.

HIGH RISK	The motor and articulation mechanisms can be damaged if the patient is not correctly positioned. Moving the back or leg sections while someone is sitting directly on those sections may damage the motor and joints.

1.4.1.3 Accessories

- To prevent faults, use only original manufacturer accessories and mattresses.
- Replacement or modification of the bed or its components must be approved by the manufacturer.
- These beds / bed bases are prepared to accept a lifting pole and an IV pole.

1.4.1.4 Special Hazards

- If the motor cable is damaged, there is a risk of electric shock.
- The bed structure includes combustible materials such as wood, laminates, MDF and plastics. Keep it away from high temperatures, flammable products and ignition sources.
- Do not overload the bed. The maximum safe working load is 170 kg.

1.4.1.5 Cleaning and Maintenance Safety

- Maintenance and installation must be carried out by qualified professionals or suitably qualified personnel.
- Before cleaning or maintenance, disconnect the bed from the mains supply.
- Only manufacturer-supplied materials and components should be used for repairs.
- Any modification of the bed or its components must be approved by the manufacturer.
- At least one annual inspection should be carried out to check wear on moving and articulated parts.

1.5 Product Description

1.5.1 Intended Use

The bed is intended for domestic use to provide the user / patient with comfort and quality of life during rest. It can assist the user when getting into and out of bed and can also support carers in their tasks.

IMPORTANT	All bed adjustments and handling must be performed in accordance with this manual. Any action incompatible with the manual or the intended use is the user's responsibility. Keep this manual available throughout the bed's service life.

1.5.2 Correct Use

Category	Requirement
Patient - maximum weight	135 kg
Patient - minimum weight	> 40 kg
Patient - minimum height	> 146 cm
Patient - minimum BMI	> 17
Safe working load	Total load including patient, mattress and accessories must not exceed 170 kg
Permitted operators	Qualified medical team; anyone familiar with this manual; patients if their medical condition allows
Location	Application environments 3 and 4 in accordance with IEC 60601-2-52:2009/Cor 1:2010 AMD1:2015-03

1.5.3 Incorrect Use

- Any use not described in this user manual is considered incorrect use.

1.5.4 Available Models

Reference	Configuration
10.CM.6028	Three-section electric bed with wooden structure, without side rails, bed base 1900 x 900 mm.

Available Models

Product context - the two configurations covered by this manual



Model 10.CM.6028

Three-section electric bed with wooden structure, without side rails.



Model 10.CM.6065

Three-section electric bed with wooden structure and wooden side rails.

10.CM.6065	Three-section electric bed with wooden structure and wooden side rails, bed base 1900 x 900 mm.

1.5.5 Bed Components - Model 10.CM.6065

No.	Component
1	Bed base motor
2	Hand control
3	Back section
4	Fixed section
5	Leg section
6	Foot section
7	Footboard
8	Wooden side rails
9	Side-rail lock / unlock button
10	Headboard

1.5.5.1 Materials

- Structure composed of the bed base and steel legs with epoxy paint finish.
- Standard colour: grey structure; wooden parts in beech finish.

1.5.5.2 Conditions of Use

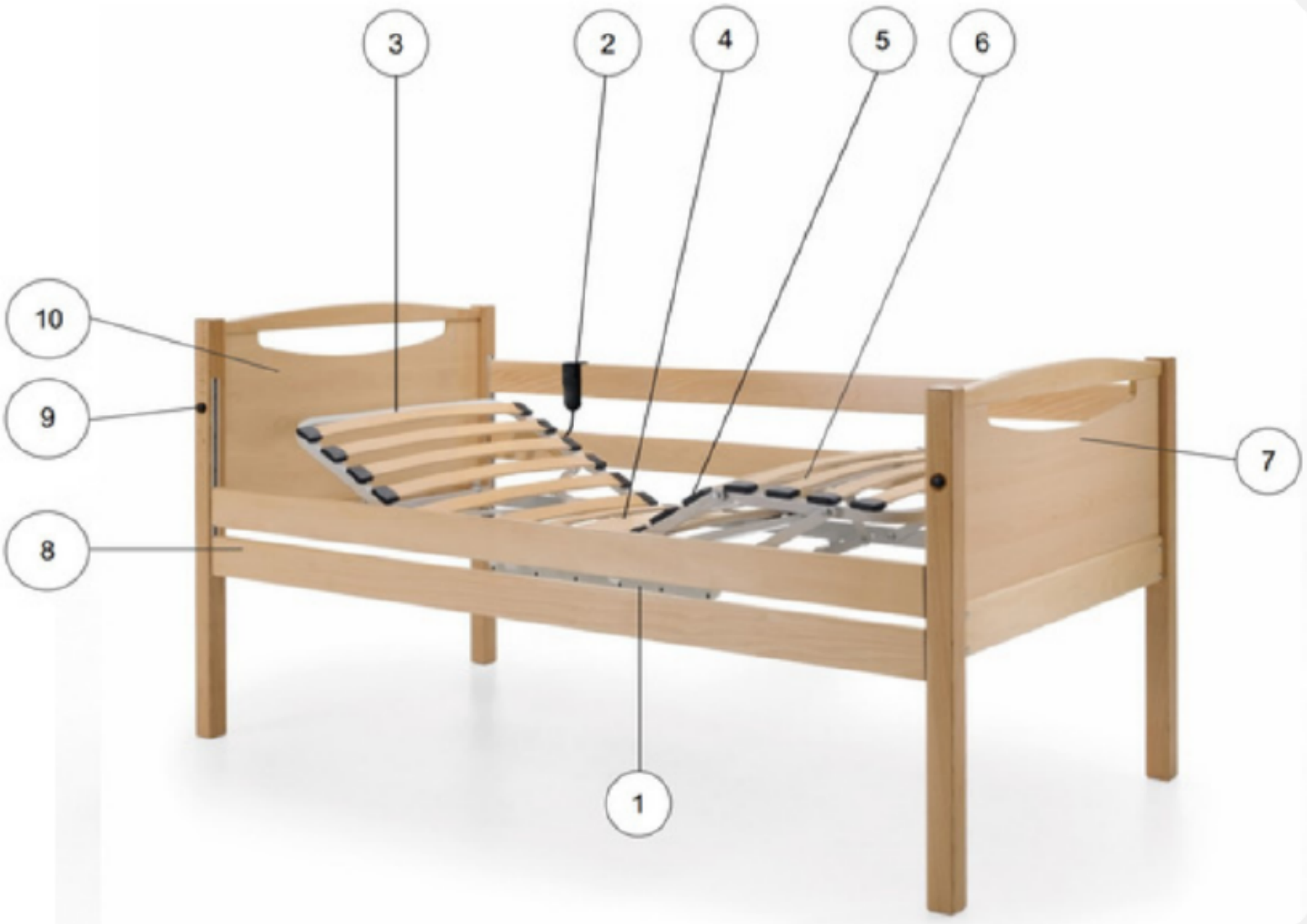
Parameter	Permitted range
Ambient temperature	+10°C to +40°C
Relative humidity	30% to 75%
Atmospheric pressure	700 hPa to 1060 hPa

WARNING

Do not use the bed where there is a risk of explosion or in the presence of flammable products. Electrical installations must comply with local electrical-safety regulations. If the electrical supply is unstable or there is any doubt, unplug the bed from the mains socket.

Bed Components

Numbered product view for model 10.CM.6065



1	Bed base motor	6	Foot section
2	Hand control	7	Footboard
3	Back section	8	Wooden side rails
4	Fixed section	9	Side-rail lock / unlock button
5	Leg section	10	Headboard

2. Technical Specifications

2.1 Technical Data

Specification	Value
Overall length	2010 mm
Overall width	970 mm
Bed base length	1900 mm
Bed base width	900 mm
Back section	595 x 790 mm
Fixed section	400 x 790 mm
Leg section	390 x 790 mm
Foot section	415 x 790 mm
Fixed bed-base support height	510 mm
Back section adjustment	0° to 70°
Thigh / leg section adjustment	0° to 15°
Bed weight	60 kg
Maximum patient weight	135 kg
Safe working load (SWL)	170 kg

2.1.1 Electrical Parameters of the Bed Base

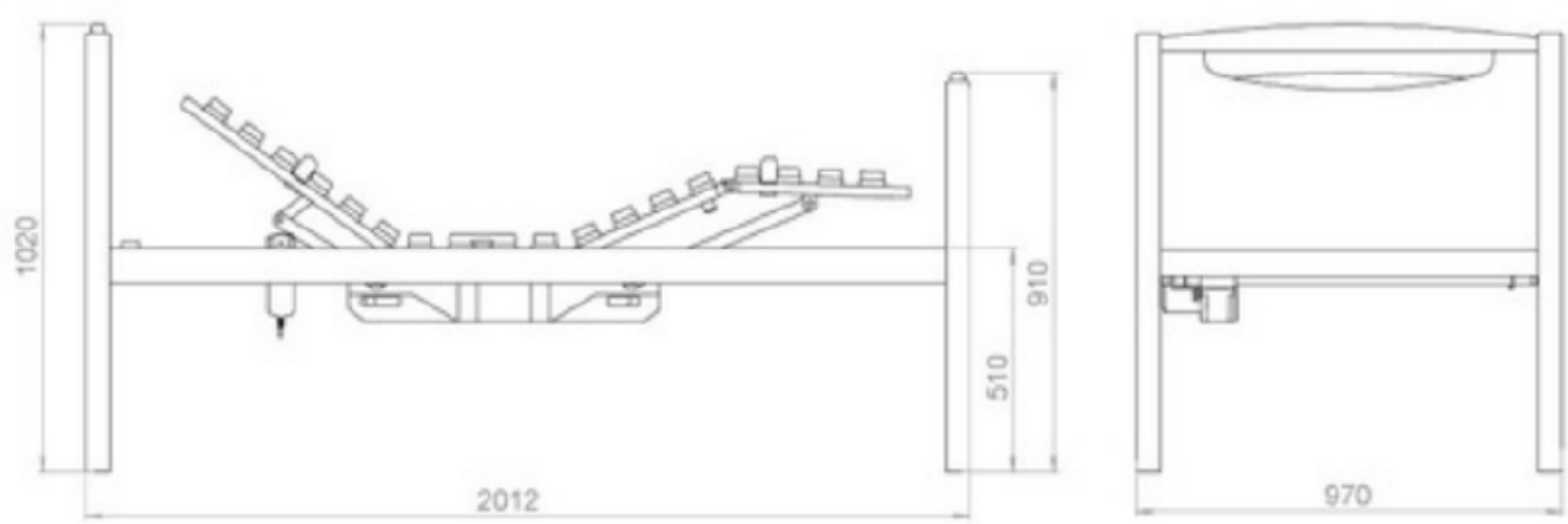
Parameter	Value
Power supply	100-240 V, 50-60 Hz
Operating voltage	24 V DC
Protection against water and dust	IP20
Noise level	< 65 dB
Electric motor duty cycle	10%; maximum 2 min ON / 18 min OFF

2.2 Emergency 9 V Battery

The 9 V battery allows the bed to be returned to the sleeping position at any time, independently of the mains power supply

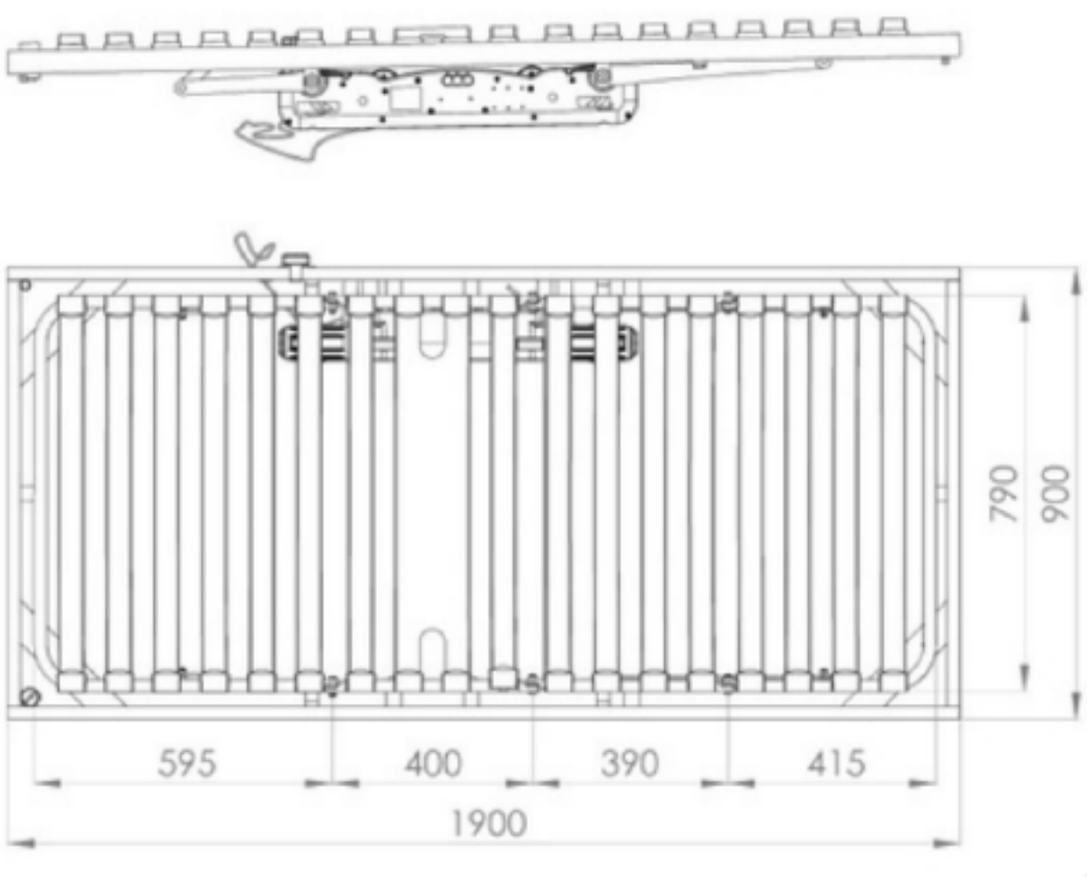
Dimensions and Emergency Battery

Key visual references for technical identification and emergency operation



Overall dimensions

Overall length 2010 mm | overall width 970 mm | fixed bed-base support height 510 mm



Bed-base layout

Bed base: 1900 x 900 mm | back section adjustment: 0° to 70°



Figura 5 – Bateria 9V

Emergency 9 V battery

Allows the bed to return to the sleeping position if mains power is unavailable.

No.	Part
1	9 V battery
2	Battery clip
3	Battery compartment

2.2.1 Fitting the Mattress Retaining Brackets

CAUTION	Position the retaining brackets correctly. Do not place them over articulation points, as this may restrict movement and damage the bed.

2.3 Bed Installation and Commissioning

- If the bed was transported or stored at a temperature different from the recommended operating temperature, leave it unplugged for 24 hours so that it can acclimatise to room temperature.
- Connect the bed to the mains power supply.
- To test the articulated sections of the bed base, raise and lower each section to its maximum position.
- Check all hand-control functions.

2.4 Hand Control Installation

The hand control and electrical components are factory-installed and require no assembly. Before first use, check that all components are correctly connected.

WARRANTY	Electrical components are factory-sealed for safety. Opening them breaks the seals and indicates that they have been opened or tampered with. The manufacturer does not accept warranty claims for items with damaged seals.

2.5 Maintenance

Because some bed parts are subject to wear through use, cleaning and disinfection, inspect at least once every 3 months:

- Screws.
- Joints and screws on the bed-base sections and motor; clean and lubricate with silicone oil.

Any other special maintenance procedure requires qualified personnel or the manufacturer.

Assembly References

Battery connection and mattress retaining brackets

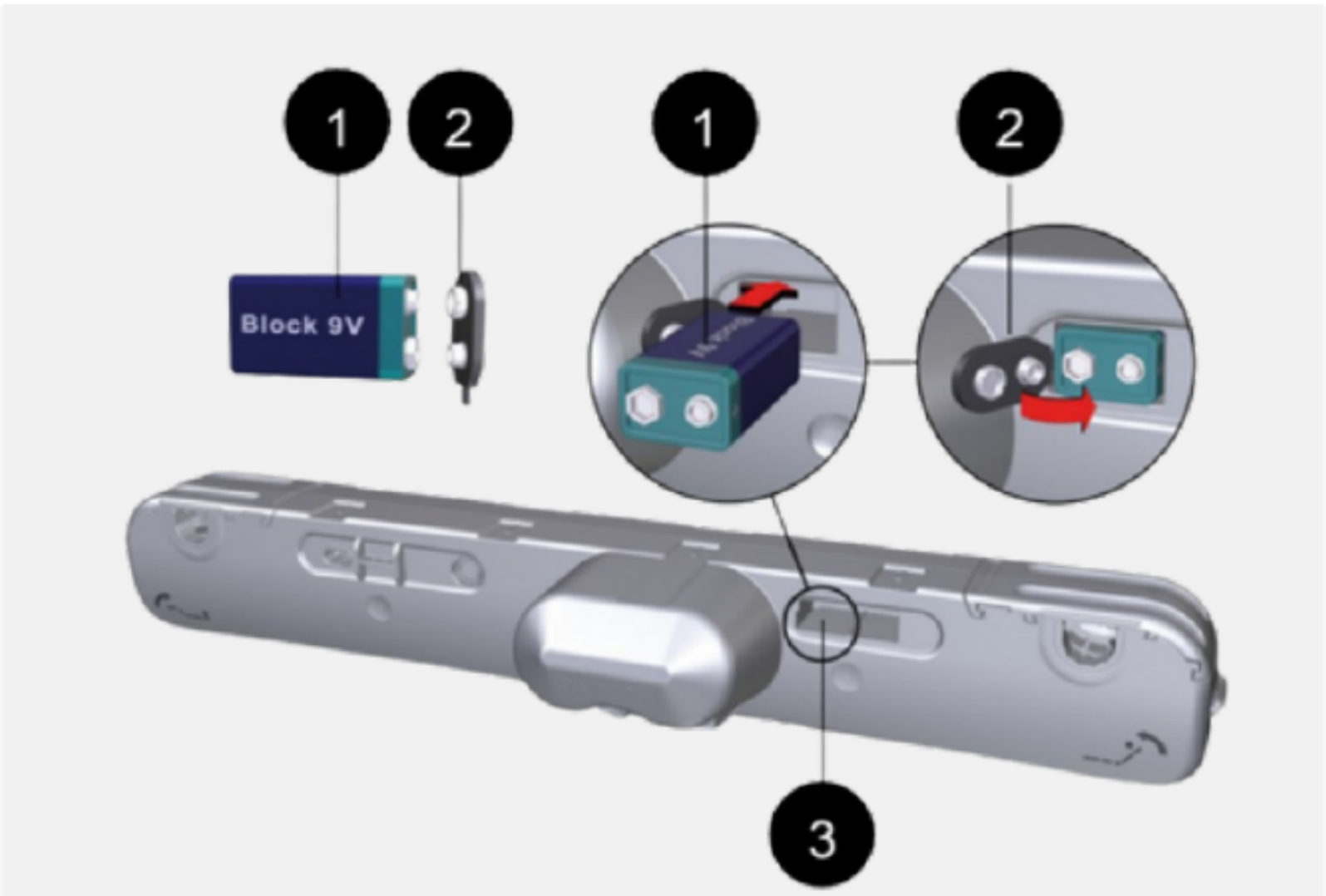


Figura 6 – Ligação de bateria

Emergency battery connection

1 - 9 V battery | 2 - Battery clip | 3 - Battery compartment



Mattress retaining brackets

Fit the retaining brackets in the marked positions.



Figura 8 – Asas de encaixe para suporte do colchão

Important

Do not place the brackets over articulation points, as this may restrict movement and damage the bed.

CAUTION	If any abnormality is found during cleaning or maintenance, do not operate the bed. Contact the supplier.

2.6 Cleaning and Disinfection

2.6.1 Basic Instructions Before Cleaning

Use suitable detergents to disinfect the bed. If in doubt, consult the manufacturer.

WARNING	Disconnect the bed from the mains power supply before any cleaning operation.

- Do not use abrasive detergents or materials that could damage the finish.
- Do not use corrosive, caustic or acidic products, or detergents that may alter the structure or performance of plastic parts (for example thinner, acetone or petroleum-based products).
- Clean the bed with a soft, damp cloth.
- The bed is not designed for automatic washing stations.
- Do not clean the bed using pressurised water, spraying or steam cleaning.

The manufacturer accepts no responsibility for risk or damage resulting from inappropriate cleaning that does not follow this manual.

2.7 Cleaning Procedure

- For easier access to all parts of the bed, raise the mattress platform and articulate the back and foot sections to their maximum positions, as applicable.
- Lock the wheels where fitted, lock articulation movements on the supervisory control where applicable, and disconnect the hand control to help prevent accidental movement during cleaning.
- Disconnect the mains power cable.
- The level of cleaning and disinfection should be appropriate to the intended use and the degree of contamination.

2.7.1 Cleaning the Motors and Hand Controls

The flat surfaces can be cleaned using a soft, damp cloth. Never use automatic washing stations, tunnel washing, high-pressure water or liquid sprays on the motors or controls. These methods may damage the equipment. Do not use solvents such as benzene, alcohol or similar substances.

2.8 Environmental Protection - Disposal and Recycling

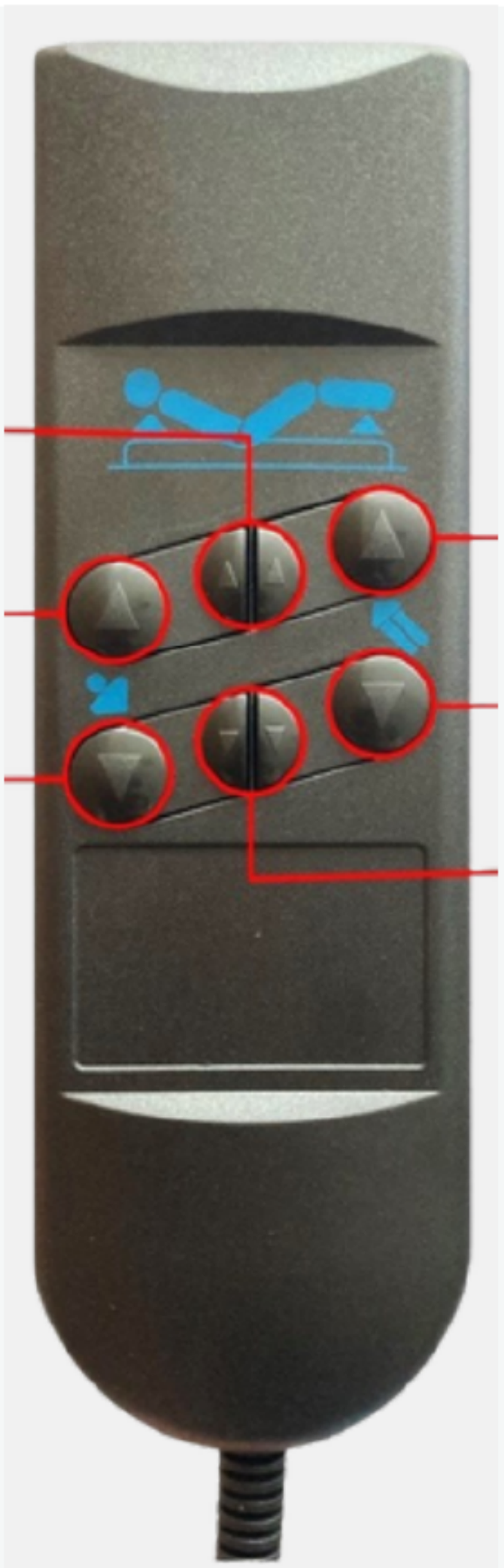
- Separate packaging waste and place it in the appropriate recycling collection points or use licensed waste operators.
- At the end of the product's service life, deliver it to a licensed waste operator.
- Do not dispose of the product with general household waste.

2.8.1 Disposal and Recycling of Electrical Components

All end-of-life electrical components must be sent to licensed operators. Disposal and recycling operations must comply with Portuguese Decree-Law No. 152-D/2017 of 11 December.

Hand Control Functions

Visual reference for normal bed adjustment



Back and foot sections together	Raise / lower simultaneously
Foot / leg section	Raise / lower the foot section
Back section	Raise / lower the back section

3. Operating Instructions

3.1 Operation - Hand Control Functions

Function	Action
Back and foot sections together	Raise back and foot sections simultaneously
Foot / leg section	Raise the foot section
Back section	Raise the back section
Back section	Lower the back section
Foot / leg section	Lower the foot section
Back and foot sections together	Lower back and foot sections simultaneously

WARNING	Before allowing a patient to use the hand control, explain all information necessary for safe operation. If the medical team considers the patient's clinical condition unsuitable for independent use, do not leave the hand control within reach of the patient or other persons.

3.2 Storage and Packaging

- The bed is supplied in a cardboard box unless another packaging method is requested by the customer.
- Do not store the bed in damp areas. Protect it from falling objects, do not stack it, and preferably store it horizontally.
- Do not place heavy loads on the packaging, as this may damage components.
- JMS accepts no responsibility for damage to beds assembled with accessories not manufactured or previously tested by JMS, including side rails, headboards, lifting poles, IV poles or other accessories.
- JMS accepts no responsibility for damage caused by misuse, failure to follow these or other instructions, or negligence in using or handling the product.
- JMS reserves the right to alter the design, functionality, appearance and marketing of its products at any time without prior notice, and to update this manual whenever necessary.

For further information: www.lojaortopedica.pt