

Operating Manual

HealthCo Care Beds

HealthCo Lara Community Care Bed - HCO800

HealthCo Lara Community Care Low Bed - HCO801

HealthCo Lola Homecare Bed - HCO802

HealthCo Lola Homecare Low Bed - HCO803



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Please read and observe this Instruction Manual before each use! In the event that the care bed changes owners, please supply this Instruction Manual to the new owner!

HealthCo Care Beds with 4-section bed platform motorized adjustment.
Backrest 0 – 70°, legrest 0 - 20°



HealthCo Lara Community Care Bed
HCO800



HealthCo Lara Community Care Low Bed
HCO801



HealthCo Lola Homecare Bed
HCO802



HealthCo Lola Homecare Low Bed
HCO803

The instruction manual is valid for beds HCO800, HCO801, HCO802, HCO803.

1 General Information



Before putting the bed into service for the first time:
Read through this instruction manual conscientiously from start to finish!
Please note in particular that the various safety instructions must be observed.
Clean and disinfect the care bed before using it for the first time.

Our care beds bear the CE mark and meet all safety and functionality requirements. These care beds were tested according to the international standards which contain the safety requirements for medical products.
These safety requirements can only be met however if the user satisfies himself of the proper state of the care bed (including accessories) before using the bed.

Please observe the legislation in your country.

1.1 Explanation of the Symbols Used



Read information with this symbol carefully and urgently follow instructions. This information is safety-relevant.



This symbol indicates hazards due to electrical voltage. There is mortal danger!



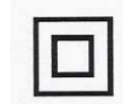
This symbol indicates general hazards. There is danger to life and health.



Conformity mark in accordance with the Medical Device Directive (93/42 EEC).

IPX4

The electrical equipment is splash-proof.



Symbol for Protection Class II device, double shock-proof.



Symbol for type B device according to DIN EN 60601-1.



This care bed may only be used indoors



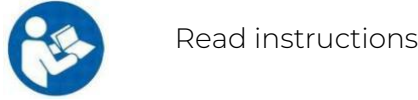
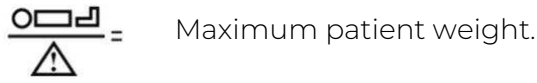
This product must be disposed of in a separate refuse collection in the European Union. Do not dispose of as normal domestic waste.



Symbol for direct current.



Symbol for alternating current.



1.2 Definition of the Groups of Persons Involved

Operator

An operator is any natural or legal person who uses the care bed or on whose instruction it is used (e.g. nursing homes, specialized retailers, health insurance companies, medical suppliers).

Users

Users are persons who as a result of their vocational training, experience or briefing are authorised to operate the care bed or to carry out work on it, or are instructed in handling the bed. Furthermore the user can recognise and avoid potential dangers and assess the clinical condition of the patient.

Patient / Occupant

Persons in need of care, handicapped or infirm and occupying a care bed.

Qualified Personnel

Qualified personnel are employees of the operator who as a result of their vocational training or briefing are entitled to deliver, assemble, disassemble and transport the care bed. In addition, these persons are instructed in the cleaning and disinfection regulations **for the care bed.**

2 Intended Purpose

2.1 Intended use and application environment

This care bed is intended for accommodating patients or occupants (with body mass **≥150 cm to max. 170 kg**) in residential homes, nursing homes and in care in the home (application environments 3 and 4) and may only be used under the conditions for use described in this Instruction Manual.

It is used to alleviate or compensate for handicaps or disabilities and to facilitate the working conditions for the carer.

Any other use shall be regarded as non-compliant with the regulations and is excluded from any liability.

Attention: The care bed is **not** designed for use in **hospitals.**

The care bed is **not** suitable for **medical electrical applications** which involve intravascular or intercardiac processes with the patient.

The care bed is **not** designed for the **transport** of patients.

Under certain conditions the care bed can be used for other medical purposes with medical appliances such as antidecubitus mattresses, aerators, alimentation systems etc. In this case all bed functions **must be locked out with the nurse key** on the handset for safety. The medical appliance providers are liable for the compliance of the device with the directives of IEC 60601-1-1.

If other electrical devices are used in the bed and to prevent the risk of an electrical shock, **protective measures and precautions must be established to prevent power cords from being trapped and squeezed** in movable parts of the bed.

2.2 Non-Intended Use

All uses deviating from the intended purpose, which may also be hazardous as a result. This includes for example:

- Loading the care bed beyond the safe admissible working load (see section 13.1 and identity label on bed frame)
- Operation of the care bed by patients or occupants who have not been instructed in its use
- Use of the care bed for children
- Attempting to move the care bed when it is in a braked position
- Use of the care bed on a non-horizontal surface (max. incline 5°)

3 General Regulations for Users

The care bed must only be used for the purpose intended. When setting up, operating and using the care bed, respect the regulations in your country and the general recognised rules of technology and the occupational health and safety and accident prevention regulations.

If the care bed is in a faulty state, in which the patient/occupant, care personnel or third persons could be endangered, operation may not be started.

3.1 Qualification of Users

The care bed must only be operated by persons who have the corresponding training or experience to enable them to handle the care bed correctly.

4 Safety Instructions

4.1 General Safety Instructions



During the briefing, specific attention must be drawn to any potential dangers which can occur despite correct operation. Before putting the care bed into service for the first time, the Instruction Manual must be read conscientiously and in detail by the user / care personnel.



When operating the adjusting functions, there must not be any objects or people's limbs in the plane of movement of the care bed. **Risk of crushing!**

Do not sit on the leg section of the bed when operating the raise function.

Ensure that children cannot operate the control system and check if pets are under the bed before operating any of the function. Never store anything under the bed.



If the physical or mental state of the patient requires, the handset should be locked on the reverse side of the handset when not in use (nurses' key). See detailed description of the locking operation at section 7.3. (it may be advisable to keep the handset out of reach of such a patient to avoid the risk of strangulation with the handset cord).



Adjustments to the bed must only be carried out by suitably instructed persons or in the presence of an instructed person.

When the side guards are used, the following instructions must be particularly adhered to:



- Use only approved side guards supplied as option by us. See suitable dimensions at section 13.1.
- Only suitably instructed personnel are allowed to operate the side guards.
- Side guards must only be adjusted to be either fully up and locked in place or fully down.
- Lower the side guards smoothly and take care not to let them drop down
- When operating the adjusting functions, the patient's limbs must not protrude beyond the mattress base or touch the side guards.
- **The side rail guards are only designed to prevent a person falling out of the bed; under no circumstances should they be climbed or leaned on.**
- **When lowering the rails take care not to drop them, they should be lowered carefully.**
- The side guards only provide protection against rolling out of the care bed if the backrest and lower leg adjustments are in the horizontal position.
- The side guard height from the top of the mattress in uncompressed condition must be at least 220 mm. If the height is less than 220 mm increase the side guard height with a high side rail kit.
- The gap between 2 side guard rails or between lower side rail and bed platform must be less than 12 cm.
- During use ensure that the side guards are level.

Unplug the mains plug from the socket before moving the care bed and take care to avoid dragging the mains plug across the floor when moving the bed.

The mains plug must always remain accessible to enable immediate cut-off by unplugging the mains plug from the wall socket in case of emergency.



The mains cable must be free and not caught up in anything, as it gets carried along when the bed height is adjusted. Otherwise, the mains cable may be torn out of its strain relief and damaged. In addition, the mains plug may be pulled out of its socket and electric leads exposed as a result.

If the mains cable or the mains plug are damaged, the relevant part must be replaced. This work should only be carried out by the manufacturer or authorised professionals.

When connecting the mains plug do not use multiple sockets since liquids may penetrate into these (fire hazard and electric shock).



Before cleaning and disinfection the mains plug must be unplugged and hung up safely. Plugs for the handset and the motors which are inserted into the mattress base control box and motor unit must remain plugged in. This is necessary to prevent water ingress into the control box.



When the bed is stationary the castors must always be in the braked position. If the castors are not braked, the bed can move when the occupant gets into and out of bed, since the occupant uses the bed for support. Injury can result if the care bed rolls away.

In order to move the care bed, the brake on all four castors must be released and the mattress base be adjusted to the lowest horizontal position.

The maximum duty cycle and the safe working load must not be exceeded as otherwise safe operation cannot be guaranteed (please refer to Technical Data).



The bed must not be used in rooms where there is a risk of explosion.

The bed must only be taken apart if there is no patient or occupant in it.

4.2 Safety Information for the Operator



With the help of this Instruction Manual, instruct each user in the safe operation of this care bed before it is put into service for the first time.

Advise the user of any hazards which may occur if not handled correctly.

Only persons who have been properly instructed may operate this care bed. This also applies for persons who only operate the care bed on a temporary basis.

These homecare beds are Class I active medical products according to the MDD. Please observe your obligations as the operator. Read section 10.2 for this purpose.

4.3 Safety Information for the User

Ensure that the operator instructs you in the safe operation of this bed.

In addition, pay particular attention to the general safety information as described in 4.1. Adjustments of the bed must only be carried out by suitably instructed persons or in the presence of an instructed person.

Make sure that the mattress base has travelled to its lowest position before leaving the patient unattended. This will minimise the risk of injury to the patient when getting in or out of bed.

If there is a suspected fault or damage, unplug the mains plug from the socket. Clearly mark the care bed as "Out of Order" and take it immediately out of service. After that please inform the person in charge without delay.

4.4 Cleaning and Disinfection



Before cleaning and disinfection the mains plug must be unplugged and hung up safely. Plugs for the handset and the motors that are plugged into the control box must remain in their sockets. This is necessary to prevent water from getting into the control system.



Do not immerse electrical components in water but just wipe them with a damp cloth. The electrical components must not be cleaned with a high pressure cleaner or a water jet! Only disinfection by wiping is allowed.



Always wear waterproof gloves when cleaning and disinfecting to avoid skin irritation.



Attention: In the event of disinfection by spraying on a large scale with products containing alcohol there is a danger of explosion and fire.

4.5 Servicing and Maintenance



Servicing work must only be carried out by persons who have at least read the safety regulations and are qualified according to the MPBetreibV (Operators of Medical Products Ordinance) § 4 and 6.



A technical check and/or safety inspection must be conducted at least once a year and after a lengthy break in use and before each further use. There is section 10.2 for this purpose.

Any defects, damage or signs of wear must be rectified without delay. Only original spare parts from us may be used, otherwise all guarantees or warranties will be excluded.

Please check all fixings on your bed at least once a month. Pay special attention to side rail components and sleeping platform connections.

The 9V block battery is the energy store for electrical emergency lowering in the event of a power failure. The energy store is sufficient for one emergency lowering at the most and must then be replaced. If the expiry date of the battery has elapsed then it must be replaced immediately. Since batteries are subject to self-discharging, it is recommended that the battery is replaced every two years if not used. It must be ensured that it is a type 6LR61 alkaline manganese battery and not any other type. Used batteries must be disposed of in an environmentally compatible way.

4.6 Accessories



The optional accessories available include a patient's lifting pole of which the safe working load is 80 kg **and must not be exceeded**. The patient's lifting pole may only be used within its admissible adjusting range which is defined by the sleeve on the bed. Otherwise the whole bed can tip up and result in serious injury.

Use only mattresses compatible with the supplied side guard system. The dimension between mattress upper surface in uncompressed condition and top edge of the upper

side rail must be 22 cm minimum. If this dimension is less than 22 cm, a high side rail kit should be fitted. In general mattresses of 12 cm height are suitable.

4.7 Electromagnetic Compatibility

Regarding their emitted interference and interference resistance the electric motor units comply with the requirements of EN 60601-1-2:2007 (see section 13.7). But it is possible that electrical devices interfere with each other. In this case switch off the care bed for a short time or remove the interference source.

4.8 Storage

If the care bed is stored for a lengthy period, the 9V block battery should be removed, as otherwise it would be subject to a higher rate of self-discharge.

5 Storage and Transport

Due to its modular construction the care bed can be easily transported. This is made possible by a transporting device. The care bed integrated in the transport rack can be manoeuvred in very small spaces due to the bed's castors.



6 Installation and Commissioning

6.1 Pre-installation inspection

On delivery and before installation check that the packaging is undamaged and all parts are in place. Report any visible damage to the transport company immediately.

6.2 Removal from the Transporting Device

Lift the cover from the whole bed unit including the transporting device.

Please do not dispose of the cover! This can be used again as a dust cover in the event that the care bed is later stored in the transport rack.

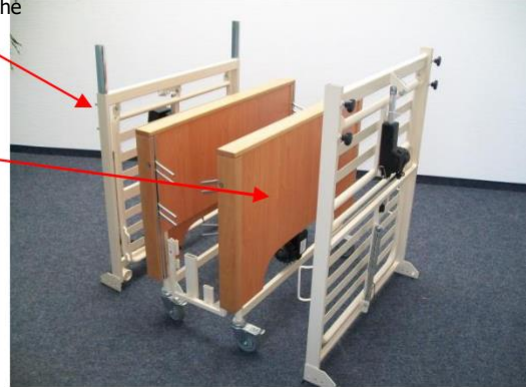


First lift the mattress base section for the head-end out of the transporting device and then lift out the mattress base section for the foot-end of the bed.



2. Mattress base section for the head-end

1. Mattress base section for the foot-end

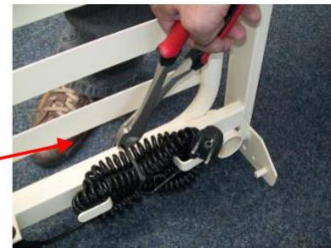


Remove the cable ties from the handset and the mains cable.



Handset

Mains cable, **Caution!**
Do not damage the cable!

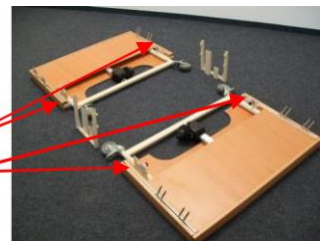


Remove the height-adjustable head and foot end panels from the transporting device. To do this, release the spring-loaded catches that are later used to fix the height-adjustable head and foot end panels to the mattress base.



Pull out and turn through 90°

Mounting lugs for the mattress base



6.3 Assembly of the Care Bed

Remove the cable tie from the backrest motor (including the attached mains adapter) and from the thigh rest adjustment motor. Attention! Keep firmly hold of the motor in question when loosening the cable tie, because the motors can fall when they are not secured in place (with safety bolts).

Backrest motor

Thigh rest adjustment motor



Please note
The actuators arrive in the transport position. If the bed is operated with the actuators in this position it will result in the premature failure of the actuator/sleeping platform. Remove the safety bolt then move the actuator into position and re install the safety bolt.

Connect the fork heads of the motor units with the terminal links on the mattress base. To do so, use the safety bolt which is inserted into the hole for the terminal links. In order to loosen the bolt, throw the safety lever. Attention: The safety lever must be locked again after connecting the motor and the mattress base.

Backrest motor situation



Mattress base terminal link

Thigh rest motor



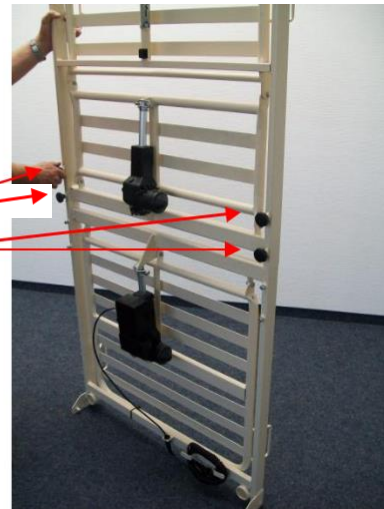
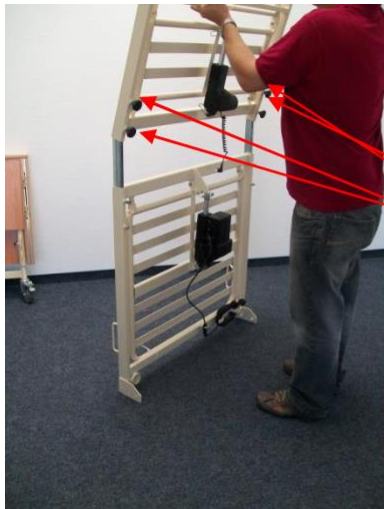
Safety bolt

Final secured state



Safety lever, fixed in place

Connecting the two halves of the mattress base



Star knobs M8 (4x)

Now fit the two halves of the mattress base together and secure them using the star knobs provided. After assembling the mattress base halves, tighten the star knobs.

Now lay the mattress base on the floor and attach the first of the bed ends to the mattress base. To do this, apply the brakes on the bed castors by pressing the brake pedal and then release the spring-loaded catches (see 6.1) at the height-adjustable head and foot end panels so that the mattress base can be slotted onto the mounting lugs.



Castor Foot pedal locked



Mattress base

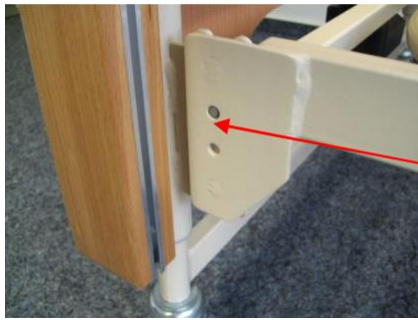


Spring-loaded catches

Mounting lugs for the mattress base

Snap the spring-loaded catches back into place on both sides

When securing the spring-loaded catches, ensure that the bolt locks into place in the hole provided for it.



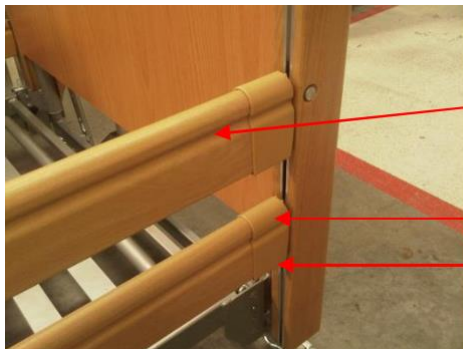
Spring-loaded catches

The bolt of the spring-loaded catch must be securely latched into the hole!



Now slot the mattress base into place on the second height-adjustable bed-end panel at the other end of the bed.

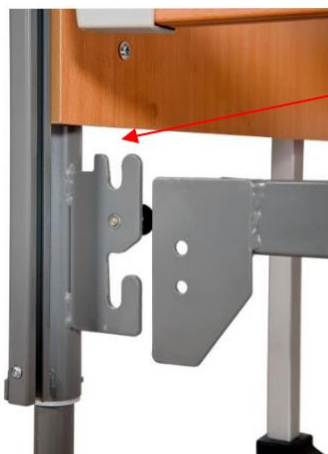
*Do not lock the spring-loaded catches on this side just yet, because these must remain open until the wooden side guards have been mounted. Now slide the (four) side guards onto the location bolts of the side guard guides, resting the other ends of the side guards on the mattress base at the other end of the bed.



Side-guard guide rail

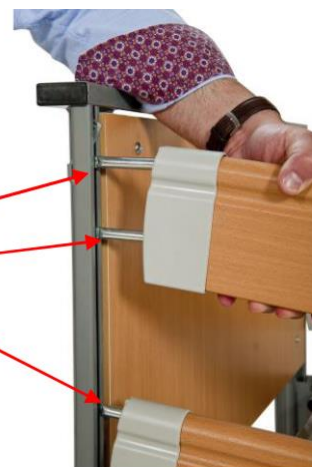
Location bolts for the side guards

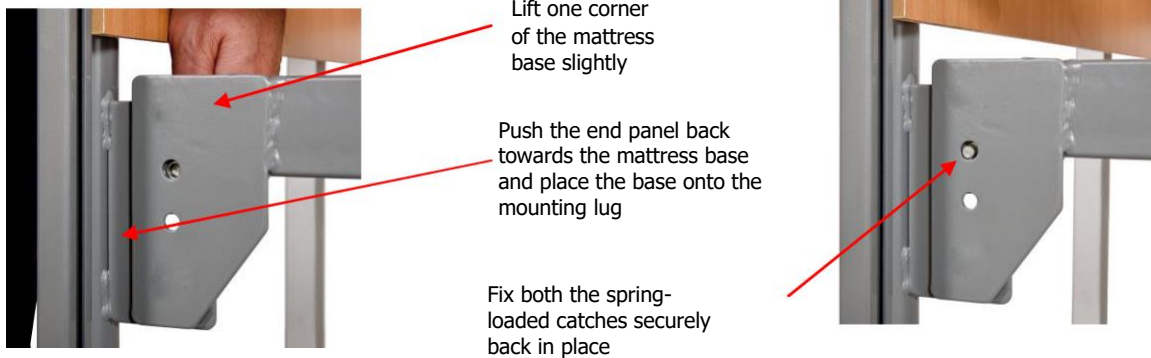
Now, at the end of the bed where the side guards have not yet been pushed onto the location bolts, lift one corner of the mattress base off the mounting lug and pull the mattress base back far enough to allow you to push the side guards onto the location bolts.*



Pull back the bed end panel with mounting lug

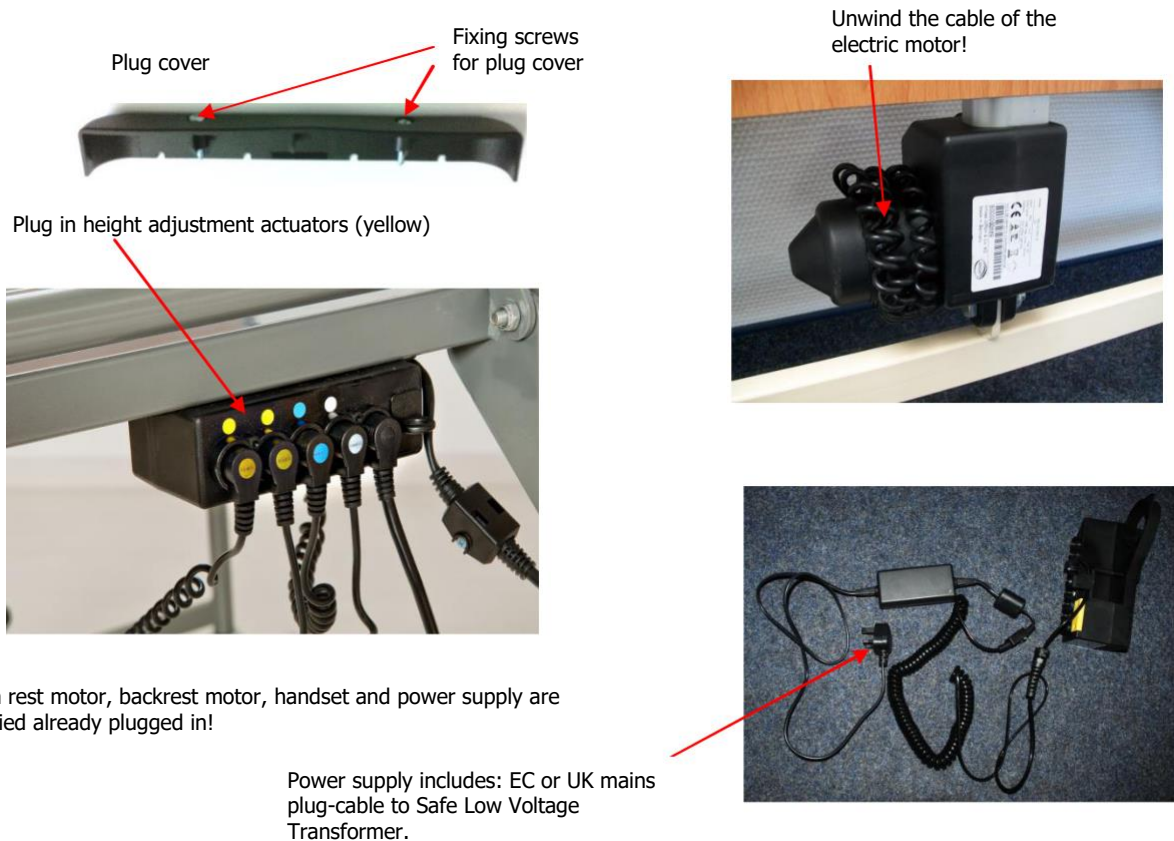
Slide both side guards onto the location bolts





Now, *with the side guards slotted into place*, the end panel can be pushed back up to the mattress base and secured with the mounting lug. Repeat this procedure on the other side of the bed with the remaining two side guards and then fix the two spring-loaded catches securely to the mattress base.

Now connect the height adjustment motors and the thigh rest adjustment motor to the mains power supply. First remove the plug cover by unscrewing the two fixing screws. The power supply cables for the height adjustment motors are wound around its housing. The backrest motor is supplied already plugged in. After you have inserted all the plugs, screw the plug cover back onto the power supply unit housing.



Now remove the transportation safety ties from the mattress base by cutting through the cable ties with a side cutter or a knife.



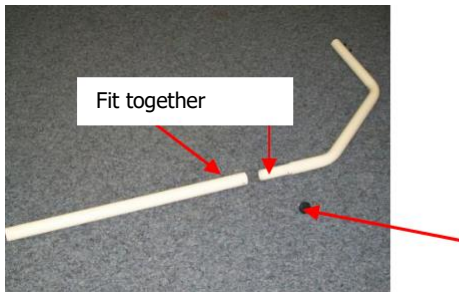
Transportation safety device for the thigh rest



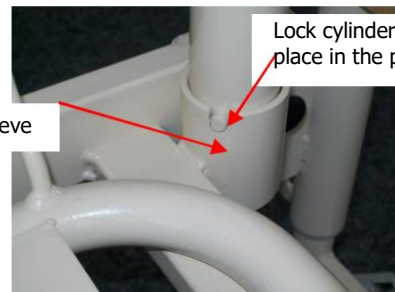
Transportation safety device for the backrest

Now assemble the patient's lifting pole bow (optional) and insert this into the lifting pole bow holder in the mattress base. Ensure that the cylinder pin locks into place in the pocket of the lifting pole bow holder.

Attention: the patient's lifting pole bow must not be used outside the catch mechanism, as otherwise the care bed will not be stable and can tip up.



Fit together



Lock cylinder pin into place in the pocket!

Lifting pole sleeve

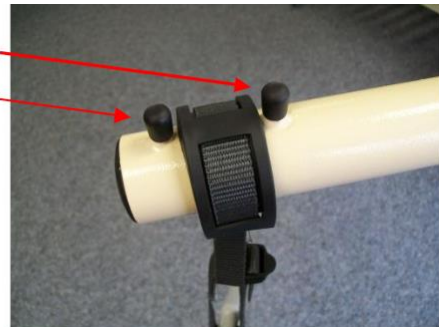
Slide the loop of the webbing strap over the first pin of the lifting pole and test its secured location by pulling down tightly the triangular handle



Attention: Fix the loop of the webbing strap only between these two bolts!

Triangular handle

Screw star knob into drillhole and tighten!

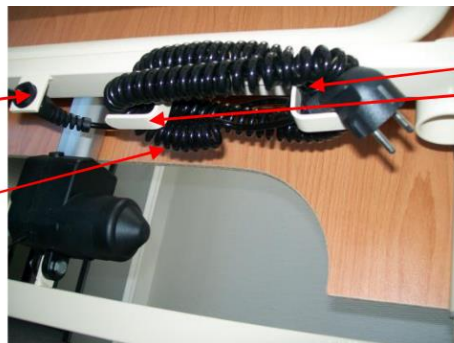


Connecting the care bed to the mains socket

Unwind the mains cable wound up under the mattress base.

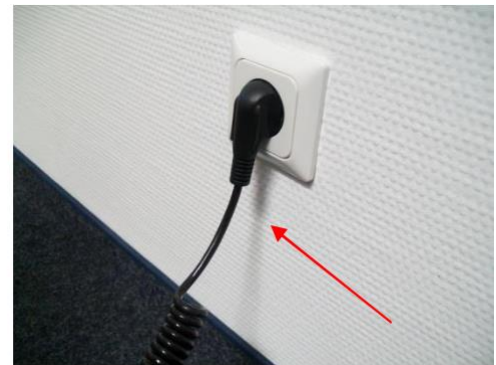
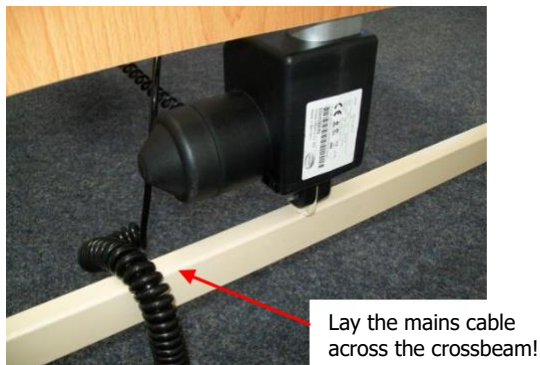
Strain relief for mains cable

Unwind the wound up mains cable!



Bracket for winding up the mains cable

Lay the coiled cable across the crossbeam from the head or foot end as shown in the picture. This reduces the risk that the mains cable is driven over when the bed is moved. Always avoid driving over the mains cable!



Plug the mains plug into the socket.

The mains plug must always remain accessible to enable immediate cut-off by unplugging the mains plug from the wall socket in case of emergency.

The electrical adjustment motors are now ready for use.

6.4 Placing into service

Make sure that all assembly steps have been carried out according to chapter 6, section 6.1 and 6.2

Do a safety check according to chapter 10, section 10.2 after assembly.

Clean and disinfect the bed as described in chapter 8 before putting into service and before each further use.

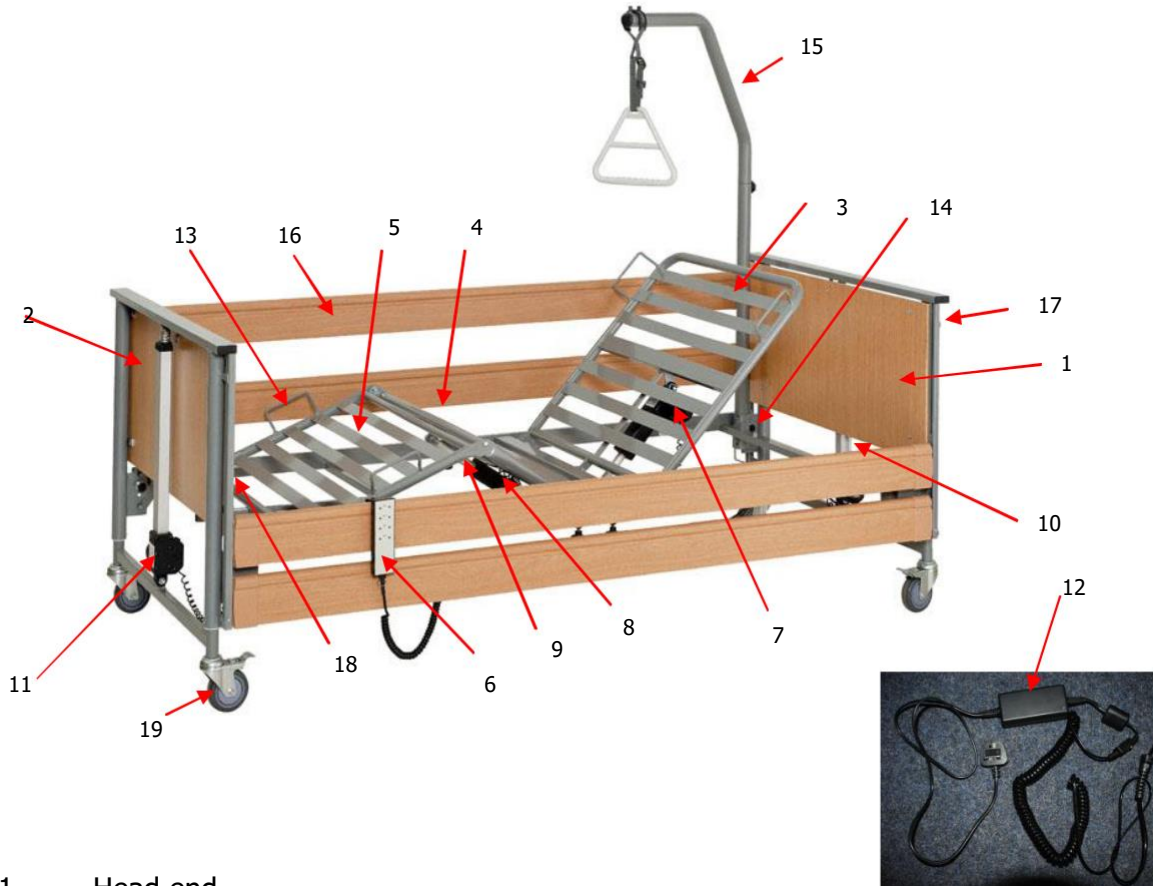
6.5 Disassembly of the Care Bed

Unplug the mains plug from the socket before disassembly!

Disassembly of the care bed is carried out in reverse order of assembly.

7 Description of functions

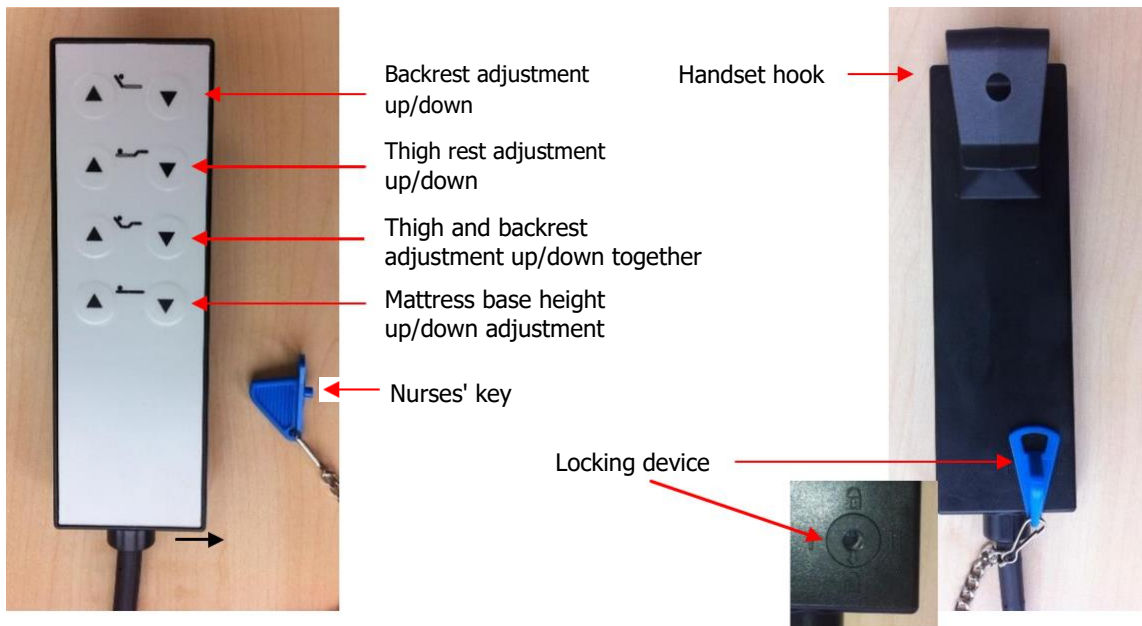
7.1 Overview



- 1 Head end
- 2 Foot end
- 3 Electrically adjustable backrest (Steel Mesh structure for BC model)
- 4 Electrically adjustable thigh rest (Steel Mesh structure for BC model)
- 5 Mechanically adjustable thigh rest (Steel Mesh structure for BC model)
- 6 Handset with locking key
- 7 backrest actuator with plug-on control unit fitted (safe low voltage)
- 8 legrest actuator
- 9 mechanical catch fitting for adjusting lower leg rest
- 10 height adjustment actuator for head end
- 11 height adjustment actuator for foot end
- 12 Coiled cable with SMPS power supply box and cable with mains power plug
- 13 Mattress guide
- 14 Locating sleeve for patient's lifting pole (as an option)
- 15 lifting pole
- 16 Wooden side guard (with end caps)
- 17 Release button for side guard lock
- 18 Side guard channel
- 19 Castor with mechanical brake

7.2 Handset with Locking Function

The motorised bed functions can be operated via the handset. All functions can be locked with the nurses' key.



To avoid damage, the handset should always be hung up on the handset hook (e.g. mattress base or side guard) when not in use.


ATTENTION:

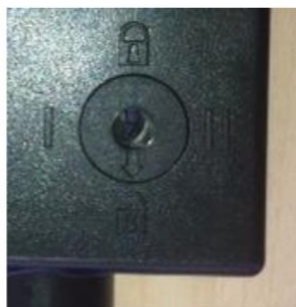
Press only one button at a time, as the system could overload and become damaged.


7.3 Locking Function for Handset

On the back of the handset there is a locking device. All electric adjustment functions can be blocked at the same time using the nurses' key supplied.



All electric adjustment functions released 



All electric adjustment functions locked 

The switching positions I and II are testing settings, used to check the safety during the annual inspection or after repair work, or each time the bed is put into service again.

7.4 Operation of the Side Guards (applies to new side guard system)

To use the side guards, lift the upper side guard until it locks into place in the highest position.

To lower the side guard, lift the upper side guard and at the same time push the release button for the side guard lock and lower the side guard.



1. Lift the upper side guard!

2. Press release button and lower side guard!

The side rail guards are designed only to prevent a person falling out of the bed, under no circumstances should they be climbed or leaned on! When lowering the rails take care not to drop them, they should be lowered carefully.

ATTENTION:

If the side guard is in its high position, ensure that it is always safely locked into place!

The length of the triangle rein can be adapted with the buckle. Choose a length that the patient can easily reach in lying position. Check that the rein is fixed safely.

7.5 Lifting pole with triangular handle

With the help of the optional lifting pole the patients can easily raise themselves for repositioning. The triangular handle is connected to the lifting pole by a webbing strap.



Length adjustable strap

Triangular handle

Adjust the length of the belt by means of the buckle, so that the patient can easily reach the handle from a lying position (usually between 55-70 cm from the top of mattress)

Ensure that the belt is correctly located between the 2 pins on the pole and the buckle correctly fastened.

The triangular handle has a life expectancy of 5 years in normal use (see production date); after this period the triangular handle should be replaced.

7.6 Operation of the Castors

All castors on the bed can be braked and must always be in the braked position during normal operation.



Foot pedal to release the brake

Foot pedal to apply the brake



Brake released

Brake applied using foot pedal

ATTENTION:

The brakes must only be released to move the bed!
Please also refer to the Safety Information!

7.7 Electric Emergency Lowering via the integrated 9V Battery

7.7.1 Position and Principle of Operation

The power supply unit fitted (item 8, Overview) on the bed frame is equipped with a 9V block battery, which makes it possible to make a CPR emergency lowering according to EN 60601-2-52 in the event of a power failure. Please note, however, that this is only possible once per 9V battery, as the capacity of the 9V battery is limited.

After the emergency lowering has been used once, the 9V battery must be replaced with a new one (Type 6LR61 alkaline manganese battery).

The 9V battery should however be replaced every 2 years even if it has not been used.

7.7.2 Battery Change

To replace, check or remove before lengthy storage of the 9V battery, open the battery compartment on the power supply unit attached to the backrest motor.

Carry out the battery change as follows:

- **ATTENTION: Unplug the mains plug!**
- Take off the plug securing device by removing the two crosshead screws
- Now you may pull out the cover with the battery and replace it with the new one.



Connect the new battery and slide it in with the cover again. Take care of the O-Ring seal.

8 Care, Cleaning and Disinfection

Clean and disinfect the bed before placing into service and before each re-use. To clean the care bed, wipe the bed by hand with a damp cloth. Use suitable cleaning and conditioning agents for wooden and synthetic furniture.

Household cleaners without ammonium or scouring agents are also allowed, but these should have been dermatologically tested.

Solvents and scouring agents are not allowed as these attack and damage the various surfaces of the care bed.

IMPORTANT



Before cleaning and disinfection the mains plug must be unplugged and hung up safely. Plugs for the handset and the motors which are inserted in the control unit **MUST** remain plugged in. This is necessary to ensure that water does not get into the control system.



The electrical components must not be cleaned with a high pressure cleaner or a water jet! Only disinfection by wiping is allowed.

9 Trouble Shooting

Before you contact your authorised distributor please use the following table to check:-

Fault	Possible cause	Remedy
No response	Mains plug not plugged in	Insert mains plug into mains socket.
	Locking function on handset activated	Unlock handset.
	Handset not plugged in	Insert handset into mattress base motor.
	Motor unit not plugged in	Plug motor unit into mattress base motor.
Adjustment functions transposed	Connecting cables on the connectors transposed.	Check plugs and connectors and change over plugging in locations.
No function after power failure	9V block battery is discharged	Replace 9V block battery.
Bed only moves very slowly	Bed only adjusted via the battery. Mains plug not plugged in	Plug in mains plug and replace the 9V block battery as a precaution.

10 Servicing

Operators of care beds are obliged according to the regulations in your country. The test according to the regulation EN 62353 contains the following minimum requirements:

- Visual check
- Functional test
- Overall evaluation

The service life of the care bed depends essentially upon the handling and servicing. To guarantee safe operation, a visual and functional test including an electrical test must be carried out at least once a year. For this purpose, proceed according to the technical safety checklist as per regulation EN 62353

IMPORTANT

If you have any doubts about the safety or functioning of the bed or even a part of the bed as a result of the work performed below, the bed should under no circumstances be placed into service again. Contact the supplier or manufacturer in this case.

11 Guarantee

As stated in our Standard Terms and Conditions we provide a manufacturer's warranty of **24 months** from the date of purchase.

12 Service Life and Disposal



The service life of our care beds in domestic use is assumed to be approximately 5 years. This naturally depends upon the manner of use. The carebed is suitable to be put into service again if all measures of section 6.3 and 10 are taken. Frequent transportation, setting up and adjustment reduce the service life, as do improper treatment, irregular servicing and exceeding the safe working load or the admissible load cycle of the electric motors. The care bed must not be disposed of as normal household waste after the end of its service life. To ensure that it is disposed of in an environmentally compatible way please get in touch with us.

13 Technical Specification

13.1 Technical Data (Mechanical)

Safe working load (max. admissible load) Individual loads of the safe working load	215 kg max. weight of patient 180 kg Mattress 20 kg Accessories 15 kg Total 215 kg
Safe load, patient's lifting pole	80 Kg
Max. mattress height	120-200 mm
Length	2150 mm (in case of 2000 mm long mattress base)
Width	1020mm HCO800/HCO801 1055mm HCO802/HCO803
Height adjustment of mattress base adjustable height from	385 - 810 mm HCO800, HCO802 215 - 640 mm HCO801, HCO803
Backrest adjustment continually adjustable electrically up to	approx. 75°
Thigh rest adjustment continually adjustable electrically up to	approx. 30°
Foot rest in raised position	-25°-0° in 5 stages
Mattress base surface	Steel slatted base
Castors with individually lockable brake	Ø 100 mm
Max. castor loading capacity	100 kg (static)
Operating noise:	< 53 db(A) at a distance of 1m


13.2 Technical Data (Electric)

Voltage rating	110/240V
Frequency rating	50-60 Hz
Type of current	AC ~
Nominal consumption during operation	70 Watt
Nominal consumption in idle state	0.5 Watt
Nominal operating time/ Nominal idle time	2 Min. / 18 Min (max. 5 switching cycles/min.)
Primary safety fuse	2.0 A
Battery for emergency lowering	9V block battery
Motor unit protection class	IPX4

13.3 Technical Data (Environment)

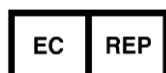
Temperature range during operation	+10°C to + 40°C
Temperature range for storage/transport-	10°C to + 60°C
Humidity of the air	30% to 75% rel.
Air pressure	between 795 and 1060 hPa

13.4 Classification

Medical product	Class 1
Degree of protection to DIN EN 60601-1	Type B  (protection against electric shock)
Housing degree of protection to EN60529	IPX 4 (not suitable for automated washing systems)
Max. duty rating	10%, ON 2 min / OFF 18 min
Max. switching cycles/min	5
Safety inspections	1 x per year

[Manufacturer]

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