



 horizon.

Horizon Kova Acute Bed

Product Code: 7-KOVA

Instruction Manual

Please carefully read this Instruction Manual before using the bed.

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INTRODUCTION

This instruction manual contains information on the instructions for use and explanations of the signs and symbols used. These instructions for use contain instructions for operating the medical care bed.

These instructions for use may contain inaccuracies or printing errors. The information provided here will be updated periodically and changes due to product maintenance will be included in later editions. Changes or improvements are possible at any time without prior notice.

If you have any questions, please contact our customer service team.

The instructions for use must be read and used by every person who operates the medical bed.

PURPOSE

The intended purpose of the Horizon Kova Acute Bed is to be used for patients in hospital and healthcare facilities. These beds are electrically powered to allow the bed to be placed in various positions suitable to the patient. It is a medical device intended for human medical use only.

The Horizon Kova Acute Bed moves on castors and features infinitely adjustable motorised height settings. The bedding area can be adjusted by multiple motors, allowing for positions such as sitting or exiting position.

The intended user of the Horizon Kova Acute Bed is any bariatric (but not limited to) individual who has a disability or a health condition.

The bed should only be used by individuals trained or experienced in proper handling. Users must be instructed on its correct use and familiarise themselves with these instructions. Common users include nursing staff, physicians, therapists, family members, technicians, residents, and cleaning staff.

Symbols Explained:



Manufacturer



For Indoor Use (house)



Type B Application Part (classification according to the degree of protection against electric shock)



Product with a Thermofuse



Safety Isolating Transformer



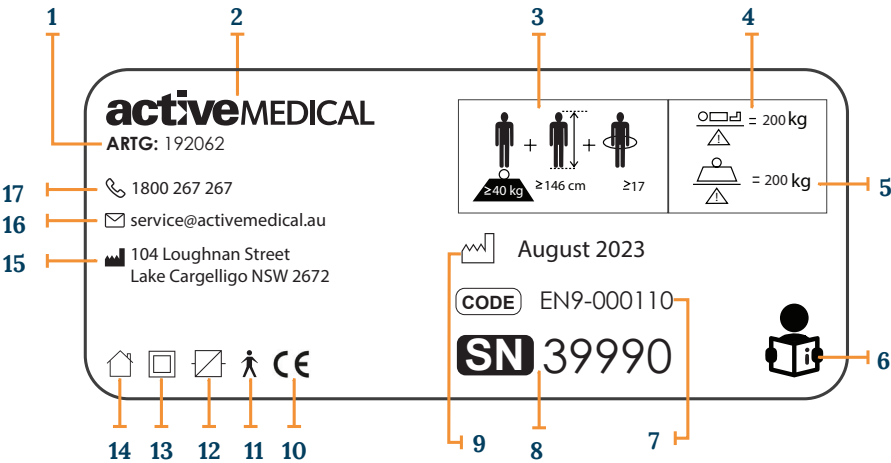
Device Protection Class II (classification according to the type protection against electric shock)



Demko Approval



PRODUCT SERIAL NUMBER PLATE



Serial Number Plate

Serial Number Plate Explained:

1	ARTG Number
2	Company Logo
3	Adult Identification (minimum weight, minimum height, minimum BMI)
4	Maximum Occupant Weight
5	Maximum Safe Working Load
6	Read Instruction Manual - Follow Instructions For Use
7	Product Code
8	Product Serial Number
9	Manufacture Date
10	CE Marking
11	Type B Application Part (classification according to the degree of protection against electric shock)
12	Switching Power Supply Unit
13	Device Protection Class II (classification according to the type protection against electric shock)
14	For Indoor Use Only
15	Manufacturer Address
16	Company Service Email Address
17	Company Phone Number



PRE OPERATION CHECK

WITH BED IN POSITION, CHECK THE FOLLOWING:

Electric beds should ONLY be used where earth leakage is fitted to the power source.

- Check power cord is plugged into 240V supply and is active.
- Check power cord is clear of castors and any moving part of bed.
- Ensure power cord has enough slack so cord is not strained when the bed is raised and lowered.
- Position bed at least 50mm from the floor in the lowest position. Lock castors. This position is critical for not damaging the wall when raising the bed.
- Before using bed, perform all functions to ensure they are working properly. If not please call your service technician or call the Active Medical Technician Team on 1800 267 267

** When fitting safety sides to this bed, please beware of the possible crushing points. The clamps can create crushing points on the rails **

IMPORTANT

WARNING: The word warning refers to a hazard to unsafe practice that may cause severe injury or death to you or another person.

NOTES

1. Horizon shall not be liable for loss, cost, damages or expenses incurred by the client or any other person or company, resulting from the use of any information or interpretation given in this report. In no case shall Horizon be liable for consequential damages, including but not limited to, lost profit, damages for failure to meet deadlines and lost production arising from this report. This document shall not be reproduced except in full and relates only to this product.
2. It remains the responsibility of the client to ensure that this product tested is representative of the entire product batch.
3. Horizon shall take no responsibility for the procurement and authenticity of the test product as described herein.
4. This report is specific to the test items in their state at the time of testing. It should not be taken as a statement that all products in all states of repair would also perform in the same manner.
5. Horizon shall take no responsibility for the interpretation of the procedures or calculation methods as provided herein or for the appropriateness or validity of the test procedures for the test items described and reported.
6. Horizon shall take no responsibility for the installation procedures used for the test items as described herein.

WARNING: No patient, service personnel or any person must lie underneath the Kova Acute Bed while power is turned on. If not obeyed, this may result in serious bodily injury or death if the bed controls are actuated.



For indoor use (house)



Type B equipment, as per EN60601+1



Product with a thermo fuse

RE-Tuv approval



Safety isolating transformer



Equipment KI.2 (Double square)



Demko approval



Kova Acute Bed Specifications:

	King Single	Extra Wide	Double	Queen Double	King Double
Overall Dimensions	1165 x 2210 mm	1295 x 2210 mm	1465 x 2210 mm	1595 x 2210 mm	1885 x 2210 mm
Sleeping Surface	1070 x 2000 mm	1200 x 2000 mm	1370 x 2000 mm	1500 x 2000 mm	1800 x 2000 mm
SWL	500 kg	500 kg	500 kg	500 kg	500 kg
Patient Weight	400 kg	400 kg	400 kg	400 kg	400 kg
Low/High Positions	360 / 740 mm	360 / 740 mm	360 / 740 mm	360 / 740 mm	360 / 740 mm
Backrest Angle	68 °	68 °	68 °	68 °	68 °
Kneebreak Angle	40 °	40 °	40 °	40 °	40 °
Trendelenburg Angle	16 /16 °	16 /16 °	16 /16 °	16 /16 °	16 /16 °
TGA Number	ARTG 192062				
Manufacturer 	Active Medical, 104 Loughnan Street, Lake Cargelligo NSW 2672				

**** LOAD CAPACITY HAS BEEN TESTED IN ACCORDANCE WITH IEC 60601-2-52 ****

Electrical Data:

U In	230V ~, 50Hz
I In	Max. 1.5A
U Out	24V ... , max. 70W
Op.	10%, Max. 2min./18min.
Protection Class	1Px4
Insulation Class	II Type B
Noise	48DBA

IMPORTANT

- Check electric cords regularly and notify an electrician or Active Medical on 1800 267 267 immediately. If any damage occurs, cease to use and remove mains power until checked and repaired.
- No wiring is to be modified without authorisation from the manufacturer.
- Ensure the small extension cable is correctly connected to the medical bed socket and to the 240 volt supply when the medical bed is in a stationary position. A small light on the control box will illuminate showing a power supply.
- Hi-low models should be left in the lowest position when a nurse is not in attendance.
- Nurses, cleaners or anyone using Horizon medical beds, must make sure that the main power cord is clear of any moving parts on the bed before turning the power on.
- Electric medical beds should ONLY be used where earth leakage is fitted to the power source.
- When patient condition could lead to patient entrapment, the mattress support platform should be left in the flat position when unattended.

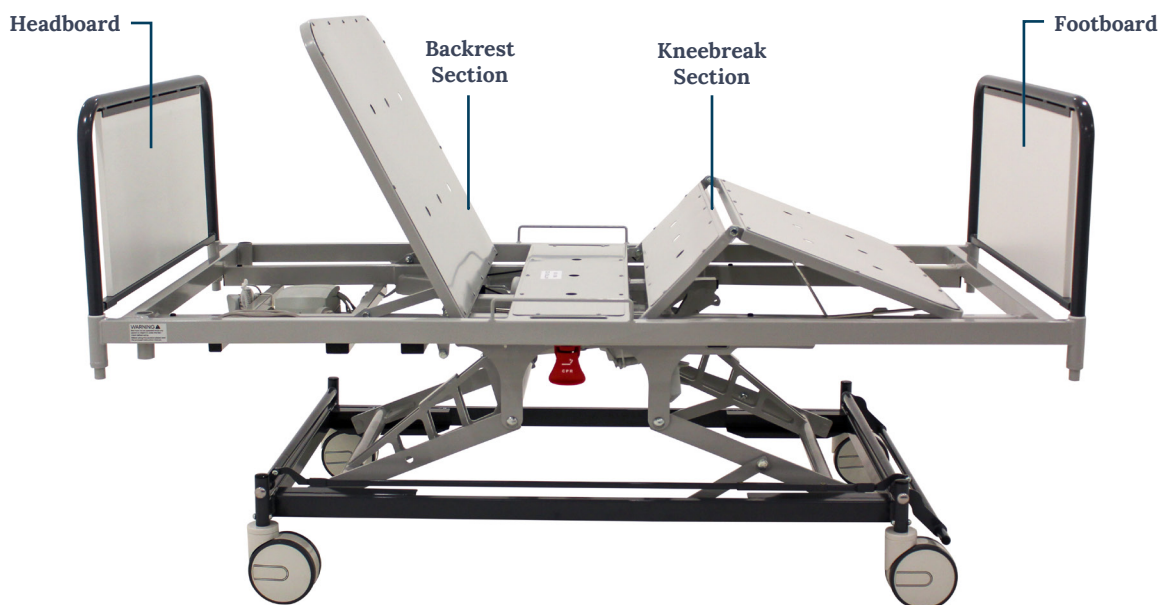


OPERATOR CONTROLS



Electric beds are controlled by a handset, which is plugged into the connection port. (Normally located below and at the edge of the mattress base towards the head end.)

Handset Code: **HB8X016-00**



Upper Posture, Electric Backrest:

The top pair of push buttons control the electric upper posture as indicated on the handset. Beware of potential pinch points when lowering backrest.

Electric Kneebreak:

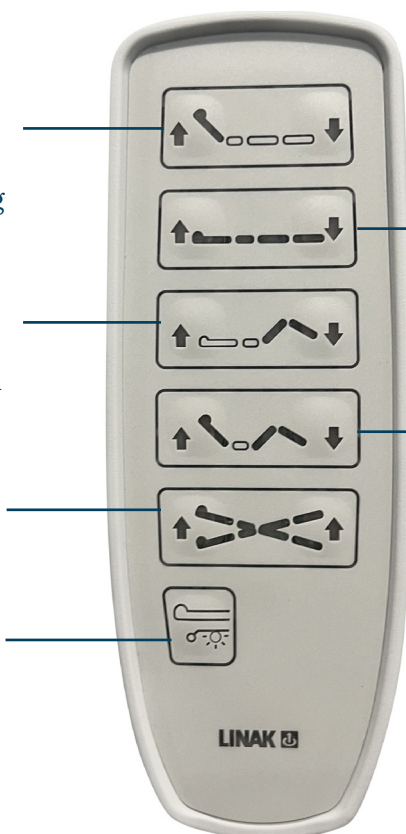
The third pair of push buttons on the handset control the operation of the kneebreak. Beware of potential pinch points when lowering kneebreak.

Electric Trendelenburg:

The last pair of push buttons on the handset control the operation of the tilt. Beware of potential pinch points when using the tilt function.

Under Bed Light:

The last button on the bottom left controls the under bed light.



Hi-Low Operation:

The second pair of buttons on the handset control the smooth operation of raising & lowering the bed. When raising and lowering the bed, ensure that no person or part of his or her body is under the bed. Failure to do so could cause serious physical injury.

Chair Position:

The fourth set of buttons operate the chair position.



OPTIONALS & EXTRAS



CPR Electric Backrest

The electric CPR backrest is only for emergency use. To activate, pull red lever to allow backrest to go down manually.



Head and Footboards

The standard head and footboard frames drop into sockets, allowing for rapid removal in an emergency. Please ensure the power cord is not in the way when fitting or removing end boards.



Battery Back Up

Battery Back Up allows you to safely change a patient's position using the handset, during a power outage.



Underbed Lighting

The bottom left button on the handset controls the under bed light.



150mm Central Locking Castors

Brakes should only be released when the bed is moved.

To brake: press lever down.

To direction: lift lever all the way up.

To free wheel: centralise lever.



SAFETY & WARNINGS

- Electric medical beds should ONLY be used where earth leakage is fitted to the room or building.
- If any cords are cut or damaged the bed MUST not be used until checked, fixed and tagged.
- No patient, service personnel or any person must lie underneath a Horizon medical bed while power is turned on, if not obeyed this may result in serious bodily injury or death if the medical bed controls are actuated.
- Please check no person or object is under the medical bed before using.
- Hand control to only be given to fully competent patients.
- Never leave hand control unattended with trolley switched on unless patient is fully competent.
- Fit optional nurse lockout for safety of incompetent patients.
- Only one person is to be on the bed at any time.

MAINTENANCE

- Medical beds should be inspected monthly for abnormal wear. For example, bolts loose or missing, castors, rubbers or brakes damaged.
- Rails must be inspected regularly for any wear or movement that may cause injury, do not use if unsure.
- If one or more of the bed functions is found not working correctly, notify the manufacturer for advice.

Every 6 months

1. Check there is no visible damage to electrical system or mechanical parts.
2. Check wiring is secure and not interfering with bed movement.
3. If actuator shafts are not clean - wipe chromed shaft of actuators to remove lint, grease & dirt.
4. Extended actuators fully. (Do not wash as this removes fine layer of oil).
5. Correct operation of all bed functions including castor locking.
6. Check all accessories including rails are still functioning properly.
7. Check all pivot points on the trolley for wear. Replace pivot pins or bolts and removable bushes (where fitted) if a pivot has a significant play.
8. Check all functions still run smoothly.

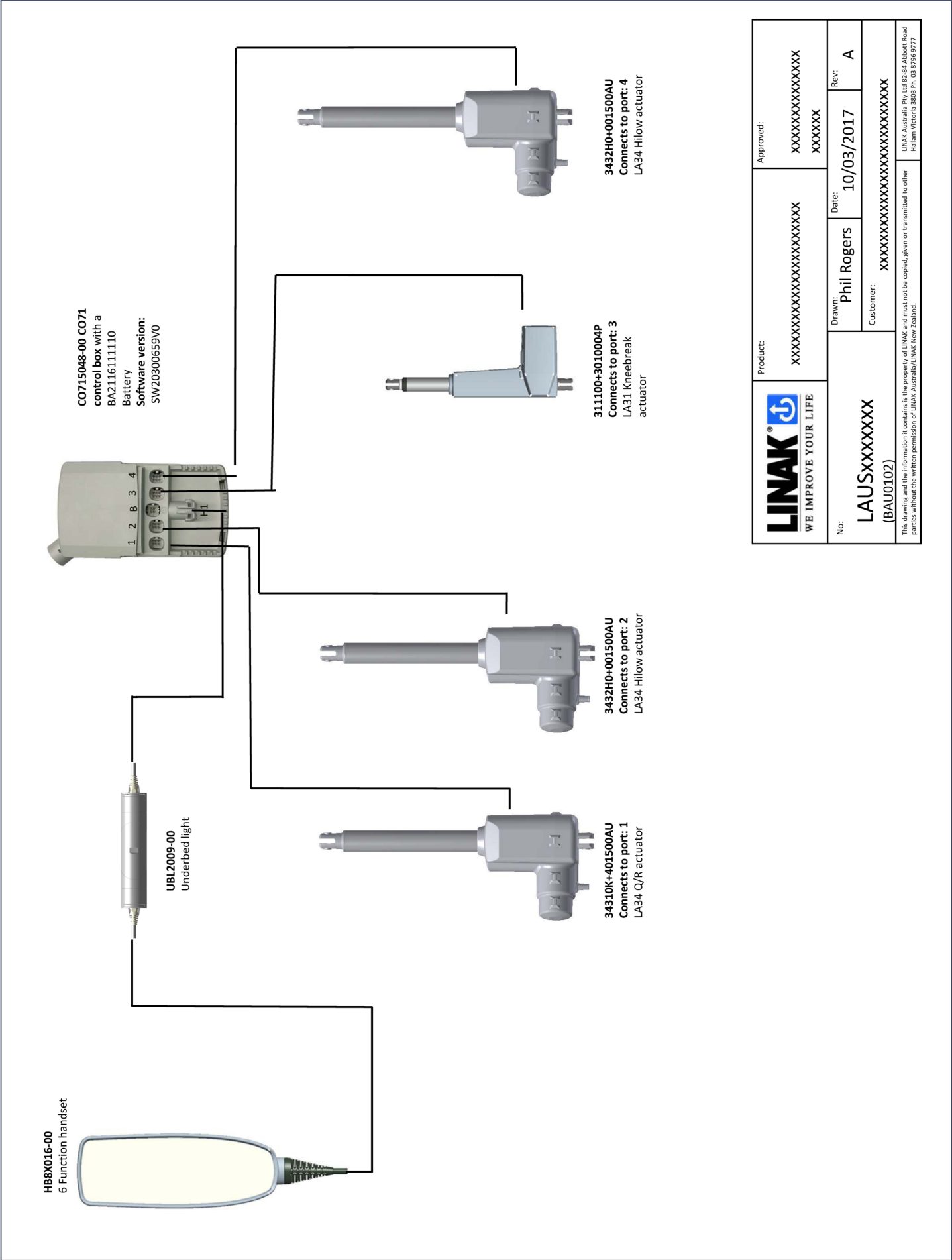
Annually

Professional service of product to be carried out annually & documented in 'Record of Performed Service Procedures and Regular Service Maintenance in the back of this instruction manual.

CLEANING

- Cleaning can be done often - using domestic detergents.
- Do not use acids, alkaline or any other chemical solvents
- When cleaning actuators disconnect from mains power before wiping down with a moist cloth.
- When cleaning, be careful of entrapment, as it could cause physical injury.



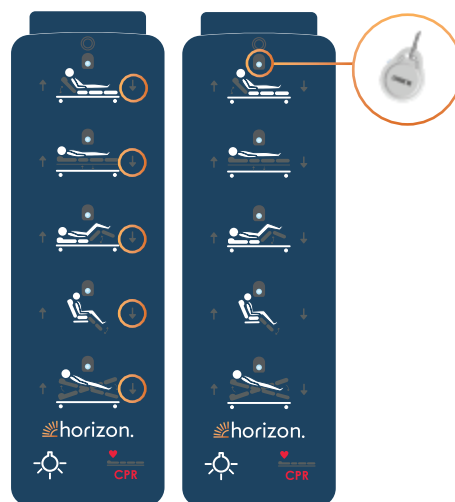


 WE IMPROVE YOUR LIFE	Product: XXXXXXXXXXXXXXXXXXXXXXXXXXXX		Approved: XXXXXXXXXXXXXXXXXXXX XXXXXXXX	
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No: LAUSXXXXXXXX (BAU0102)	Drawn: Phil Rogers	Date: 10/03/2017	Rev: A	
	Customer: XXXXXXXXXXXXXXXXXXXXXXXXXXXX			
This drawing and the information it contains is the property of LINAK and must not be copied, given or transmitted to other parties without the written permission of LINAK Australia/LINAK New Zealand. LINAK Australia Pty Ltd 82-84 Abbott Road Hallam Victoria 3803 Ph. 03 8796 9777				

LOCKING AND UNLOCKING LOCK OUT FUNCTIONS (optional)

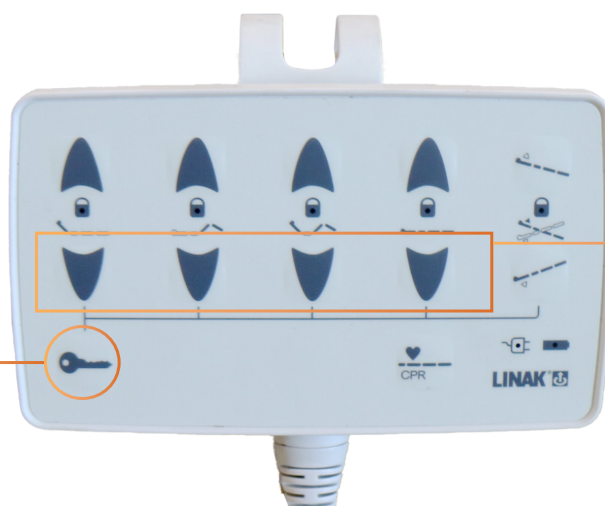
HB400 HANDSET

1. Locate the fob over the top of the handset as shown.
2. Then press the down key of the function to be locked out or unlocked. When locked, the LED function will be illuminated.



ACOM ATTENDANT CONTROL

1. Press and hold the key button.



2. Then press the down key of the function to be locked or unlocked.

RESETTING A KOVA ACUTE BED FITTED WITH A CO71 LINAK CONTROL BOX:

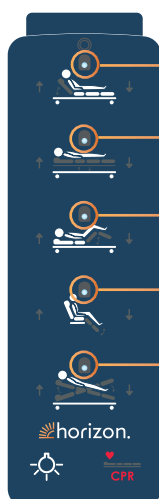
Press both hi-low buttons (up and down) together

- It will beep for 5 to 10 seconds
- don't let go of the buttons once beeping has stopped.
- After another 10 seconds the bed will start to rise, it will go to the maximum height and return to the minimum height.
- through this process don't let go of the buttons
- Once at the lowest position the back and knee function motor will retract right in, once this is complete, you will get a double beep.
- only let go of the buttons once you have heard these beeps



TROUBLESHOOTING

TROUBLESHOOTING WITH A HB400 HANDSET:



Lock LED flashing on backrest function - issue with either the backrest actuator or cable.

Lock LED flashing on hi-low function - issue with the head end hi-low actuator or cable.

Lock LED flashing on the kneebreak function - issue with the kneebreak actuator or cable.

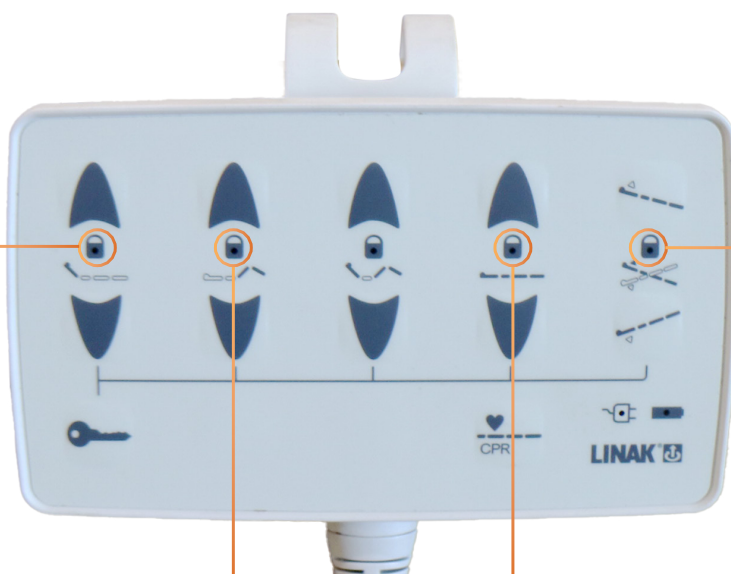
Lock LED flashing on tilt function - issue with either the foot end hi-low actuator or cable.

If all LED lights are flashing - issue with either handset or the cables connecting it to the control box.

TROUBLESHOOTING WITH ACOM ATTENDANT CONTROL:

If all LED lights are flashing - issue with either handset or the cables connecting it to the control box.

Lock LED flashing on backrest function - issue with either the backrest actuator or cable.



Lock LED flashing on tilt function - issue with either the foot end hi-low actuator or cable.

Lock LED flashing on the kneebreak function - issue with the kneebreak actuator or cable.

Lock LED flashing on hi-low function - issue with the head end hi-low actuator or cable.



Record of Performed Service Procedures and Regular Service Maintenance

[illegible]

Date	Purpose and Description	Performance
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Troubleshooting - Engineering and Service - Fault Finding

 1800 267 267



I confirm that technical staff have undertaken the repairs as described in the Record of Performed Service Procedures and Repairs Maintenance, and the equipment is now functioning properly.

Date _____ Customer Signature _____

HORIZON KOVA ACUTE BED WARRANTY

Conditions

From the date of purchase, your Horizon Kova Acute Bed is guaranteed for 10 years on the frame, 5 years on the electrics, 1 year on castors and 1 year on the battery.
Professional service of product to be carried out annually and documented in the ‘Record of Performed Service Procedures and Regular Service Maintenance.

This warranty applies only on the parts manufactured or approved by Active Medical.

Exclusions

This warranty does not extent those items that may need replacement due to normal wear and tear, or to damaged caused by misuse or accident, for which Active Medical or it’s distributors cannot be held responsible.

If your medical bed should need attention due to failure as defined under the warranty above, please contact the distributor from whom you purchased your bed.

Please fill in the below and retain for your own records.

Date Purchased
Model
Serial Number(s)
Distributor
Distributor Address
Distributor Contact Number



ACCESSORIES



Horizontal 400HR Deluxe Bed Rails
Warranty: 12 months



IV Pole
Warranty: 12 months



Bariatric Self Help Pole
Warranty: 12 months





✉ hello@horizoncare.au

☎ 1800 267 267