

# 2300 Tilt Care Instruction Manual

Product Code: 7-23T

**Alrick.**

Please Carefully read instructions before using the bed.



## 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 Alrick 2300 Tilt Care 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 Alrick 2300 Tilt Care 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 Alrick 2300 Tilt Care 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 familiarize 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

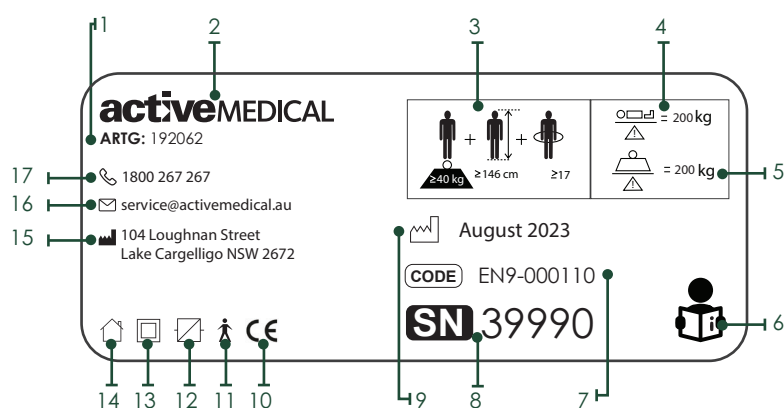


Device Protection Class II (classification according to the type protection against electric shock)



Demko Approval

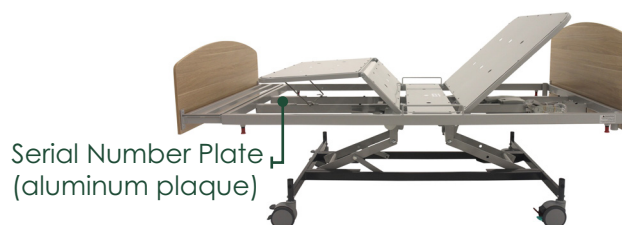
## PRODUCT SERIAL NUMBER PLATE



## SERIAL NUMBER PLATE 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

## OLD POSITIONING OF SERIAL NUMBER PLATE (2023 AND EARLIER MODELS)



## 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 Alrick 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. \*\*

## 2300 TILT CARE SERIES MODEL'S AVAILABLE

2300 Tilt Single (920 mm)

2300 Tilt Double (1370 mm)


2300 Tilt King Single (1090 mm)

2300 Tilt Queen Double (1520 mm)

2300 Tilt Extra Wide (1220 mm)

2300 Tilt King Double (1820 mm)

## SPECIFICATIONS

	Single	King Single	Extra Wide	Double	Queen Double	King Double
Height Range (mm)	360 - 800	360 - 800	360 - 800	360 - 800	360 - 800	360 - 800
Backrest Angle (degrees)	77	77	77	77	77	77
Kneebreak Angle (degrees)	40	40	40	40	40	40
Trendelenburg Angle (degrees)	16	16	16	16	16	16
Reverse Angle (degrees)	16	16	16	16	16	16
SWL (kg)	300	300	300	300	300	300
Overall Dimensions (mm)	2040 x 920	2040 x 1090	2040 x 1220	2040 x 1390	2040 x 1520	2040 x 1820
Sleeping Surface (mm)	2000 x 900	2000 x 1070	2000 x 1200	2000 x 1370	2000 x 1500	2000 x 1800
Mattress Size (mm)	1960 x 870	1960 x 1050	1960 x 1200	1960 x 1350	1960 x 1480	1960 x 1780
TGA Number	ARTG 192062					
Manufacturer 	Active Medical, 104 Loughnan Street, Lake Cargelligo, NSW 2672					

## ELECTRICAL DATA

U In	230V ~, 50Hz
I In	Max. 1.5A
U Out	24V ... , max. 70W
Op.	10%, Max. 2min./18min.
Protection Class	IPx4
Insulation Class	II Type B
Noise	48DBA



For indoor use (house)



Type B equipment, as per EN60601+1



Product with a thermo fuse



Safety isolating transformer



Device of protection class II



Demko approval

RE-Tuv approval

## IMPORTANT

- Check electric cords regularly and notify an electrician or Alrick 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 bed socket and to the 240 volt supply when the bed is in a stationary position. A small light on the control box will illuminate showing a power supply.
- Low Low model beds should be left in the lowest position when a nurse is not in attendance.
- Nurses, cleaners or anyone using Alrick Electric Beds must make sure that the main power cord is clear of any moving parts on the bed before turning the power on.
- Electric 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.



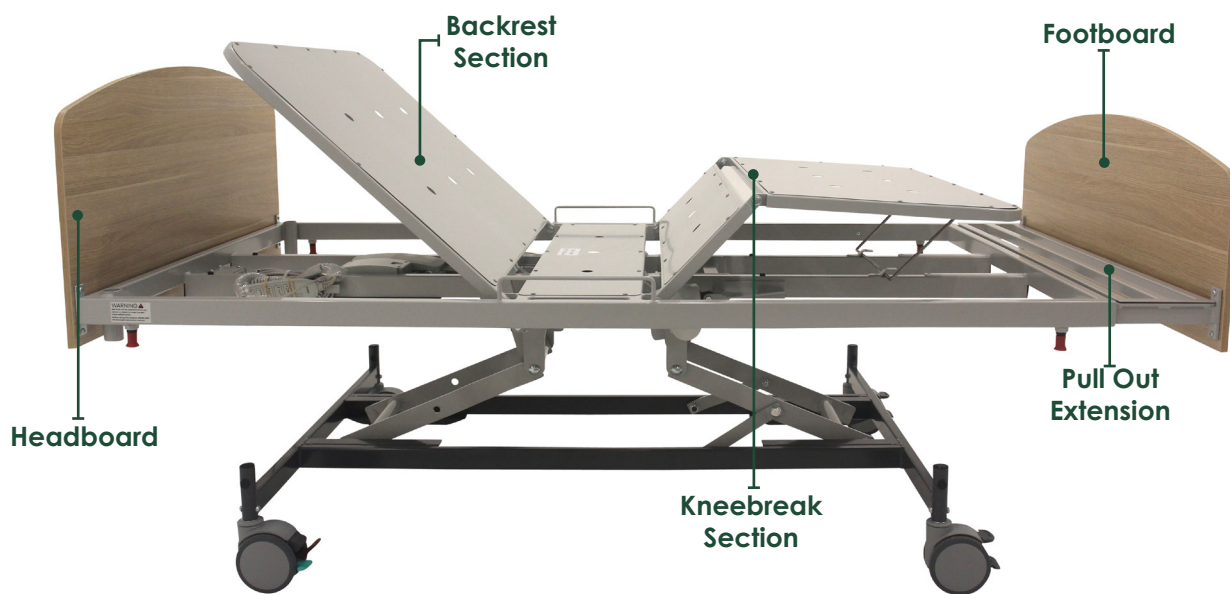
# OPERATOR CONTROLS



## OPERATOR CONTROLS:

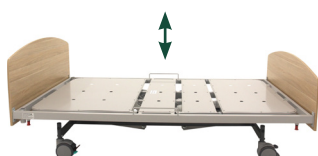
Electric Beds are controlled by a handset, which is plugged into the connection port. (Normally located below and at the edge of the mattress base towards the head end).

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.



### 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.



### ELECTRIC KNEEBREAK:

The third pair of push buttons on the handset control the operation of the kneebreak. The calf section of the kneebreak is fitted with a prop. Lift the calf section and fold down the prop, engaging it in the channel provided at the foot end of the bed. Beware of potential pinch points when lowering Kneebreak.



### CHAIR POSITION:

The fourth set of buttons operate the chair function. This raises the backrest and kneebreak, then goes into reverse Trendelenburg (feet down).

If fitted with optional Electric Vascular, these buttons operate the electric vascular function and the Auto Chair Position is not available.



#### **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.

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## **PULL OUT EXTENSION**



#### **STEP 1**

Pull down red knobs.



#### **STEP 2**

Pull out foot board.



#### **STEP 3**

Lock in red knobs.



#### **STEP 4**

Insert metal infill.

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## **OPTIONS & EXTRAS**



#### **HEAD AND FOOTBOARDS:**

The standard head & footboard frames push in from end, allowing for rapid removal in an emergency.

**WARNING:** Please ensure the power cord is not in the way when fitting or removing end boards.



#### **CPR:**

The CPR is only for emergency use.

Pull red lever to allow backrest to go down manually.



#### **BATTERY BACK UP:**

This allows you to safely change the patients position during a power shortage.

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## **CASTORS**



#### **STANDARD CASTORS:**

Brakes should only be released when the bed is moved.

Red pedal castors: total brake

Green pedal castors: directional.

## CASTORS CONTINUED



### 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 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 an Alrick bed while power is turned on, if not obeyed this may result in serious bodily injury or death if the bed controls are actuated.
- Please check no person or object is under the bed before using.
- Hand control to only be given to fully competent patients.
- Never leave hand control unattended with bed 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

- 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 bed 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.





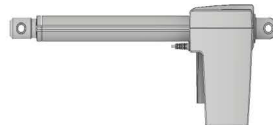

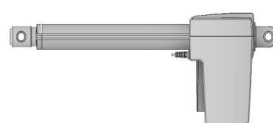
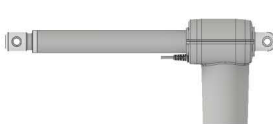
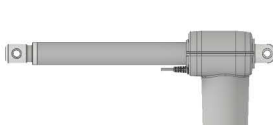

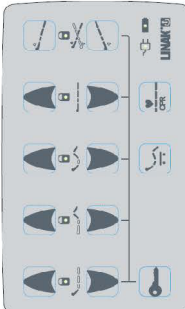


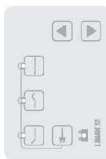

### ANNUALLY:

- 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.

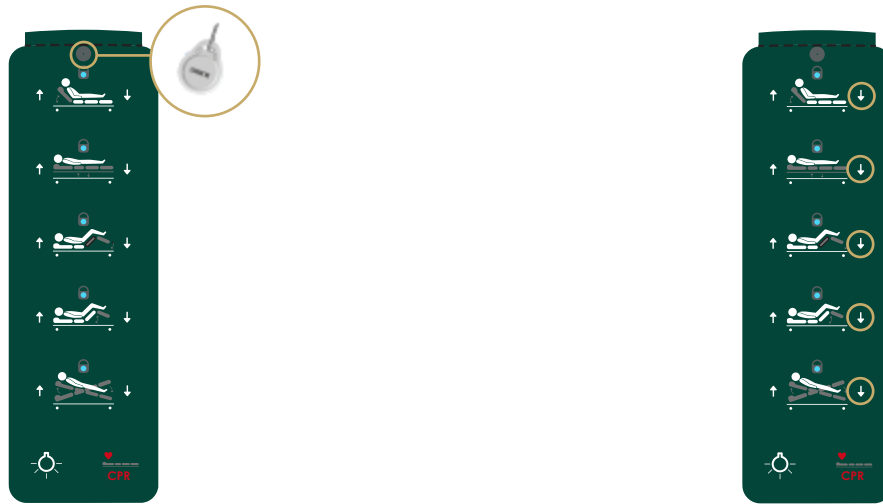


<div>Control Box</div> <div><div><div>CO715060-00-AU</div></div><div><div>BA1616121100</div></div></div> <div><div>2300 Split partner bed</div><div><div>PJ2+19200S000000</div></div></div>		<div>Actuators</div> <div><div><div>Channel 1 Back Back Right</div><div>LA27-C652-00 or J13703</div></div><div><div>Channel 2 HiLo Head</div><div>400760-00</div></div><div><div>Channel 3 Leg Thigh Leg Right</div><div>LA27-C586-00</div></div><div><div>Channel 4 HiLo Leg</div><div>400760-00</div></div><div><div>Channel 5 Calf Leg Left</div><div>LA27-C586-00</div></div><div><div>Channel 6 Back Left</div><div>LA27-C652-00 or J13703</div></div></div>		<div>Handsets</div> <div><div><div>MJB5050117-00</div></div><div><div>ACOMV0612001+110500</div></div><div><div>HB8X016-00</div></div></div> <div><div><div>Option: ACC610001+B0000</div></div><div><div>Option: ACC610002+B0000</div></div><div><div>Option: ACK0003S60C1800</div></div></div>		<div>Actuator Specs</div> <div>CH2, CH4 HiLo: 400760-00 400401500AOM0G26+G2DB132062000 Thrust: 8000N Stroke/Install: 150mm/320mm Options: Hall, High Performance</div> <div>CH1, CH6 Back: LA27-C652-00 274100I2115004A Thrust: 6000N Stroke/Install: 150mm/339mm Options: Mech Splines, SN</div> <div>Leg: LA27-C586-00 274100I3110004A Thrust: 6000N Stroke/Install: 100mm/289mm Options: SN</div> <div>Option: CH1, CH6 QR: J13703 400501500K000B26+31CB133042100 Thrust: 4000N Stroke/Install: 150mm/330mm Options: Quick Release</div>		<div>Cables &amp; Accessories</div> <table><tr><th>Qty</th><th>Item Number</th><th>Description</th></tr><tr><td>1</td><td>SML912363</td><td>Power Cable Flying Earth</td></tr><tr><td>2</td><td>0968000-1700</td><td>Minifit 6 Pin 1700mm CO to Actuator</td></tr><tr><td>2</td><td>0968000-1100</td><td>Minifit 6 Pin 1100mm CO to Actuator</td></tr><tr><td>1</td><td>0964461-0800</td><td>Modjack 800mm CO to MJB</td></tr><tr><td>1</td><td>0965069-0650</td><td>Modjack Ext 650mm Coil MJB to HB</td></tr><tr><td>1</td><td>1015W1001</td><td>Bracket CO/PJ2 to Frame</td></tr><tr><td>1</td><td>1019W7001-00185</td><td>Minifit 4 Pin 185mm CO to Battery</td></tr><tr><td>1</td><td>1015W1001</td><td>Bracket CO/PJ2 to Frame (PJ2 Option)</td></tr><tr><td>1</td><td>0968000-1700</td><td>Minifit 6 Pin 1700mm (PJ2 Option)</td></tr><tr><td>1</td><td>0968000-1100</td><td>Minifit 6 Pin 1100mm (PJ2 Option)</td></tr><tr><td>1</td><td>1019W7002-00180</td><td>Minifit 4 Pin 180mm CO to PJ2 (PJ2 Option)</td></tr></table>		Qty	Item Number	Description	1	SML912363	Power Cable Flying Earth	2	0968000-1700	Minifit 6 Pin 1700mm CO to Actuator	2	0968000-1100	Minifit 6 Pin 1100mm CO to Actuator	1	0964461-0800	Modjack 800mm CO to MJB	1	0965069-0650	Modjack Ext 650mm Coil MJB to HB	1	1015W1001	Bracket CO/PJ2 to Frame	1	1019W7001-00185	Minifit 4 Pin 185mm CO to Battery	1	1015W1001	Bracket CO/PJ2 to Frame (PJ2 Option)	1	0968000-1700	Minifit 6 Pin 1700mm (PJ2 Option)	1	0968000-1100	Minifit 6 Pin 1100mm (PJ2 Option)	1	1019W7002-00180	Minifit 4 Pin 180mm CO to PJ2 (PJ2 Option)	<div>Joint System Drawing</div> <table><tr><td>LINAK Spec</td><td>System Name:</td></tr><tr><td>BAU01249</td><td>2300/4000 Multi Purpose System</td></tr></table> <table><tr><td>LINAK Australia</td><td>Active Medical</td></tr></table>		LINAK Spec	System Name:	BAU01249	2300/4000 Multi Purpose System	LINAK Australia	Active Medical
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## LOCKING AND UNLOCKING LOCK OUT FUNCTIONS (optional)

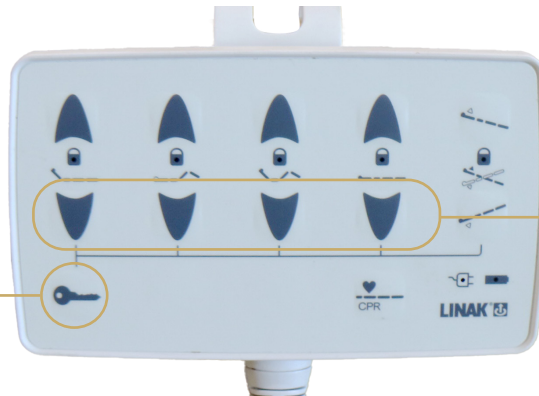
### HB400 HANDSET:

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.



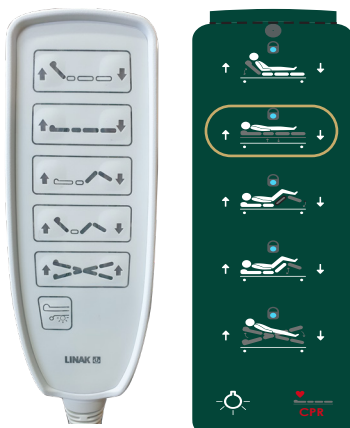
### ACOM ATTENDANT CONTROL:

1. Press and hold the key button.



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

## RESETTING A 2300 TILT CARE BED FITTED WITH A CO71 LINAK CONTROL BOX:

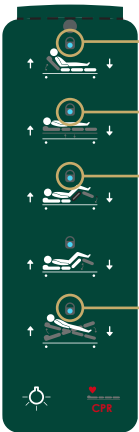


Press both hi-low buttons (up and down) together

- 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:

A vertical green handset with four circular buttons and a small LED light at the bottom. Each button has a white icon representing a different patient position: backrest up, hi-low, kneebreak, and tilt.

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.

A white rectangular control box with four large blue buttons, each with a white icon: backrest up, hi-low, kneebreak, and tilt. There is also a small LED light on the right side. The LINAK logo is visible at the bottom right.

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

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

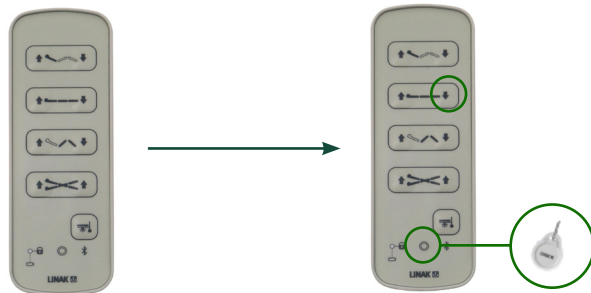
## PAIRING BLUETOOTH DEVICES (optional)

### DIRECT PAIRING

Direct Pairing is used for pairing a LINAK control directly to a LINAK control box that supports BLE.

1. Enter pairing mode
2. Move the hand control closer to the control box you want to pair it with
3. Pair the hand control with the control box

### ENTER PAIRING MODE



Place the magnet key over the **Hall Element (O)** and press **Hi-Lo Down Button** for 3 seconds to enter the pairing mode.

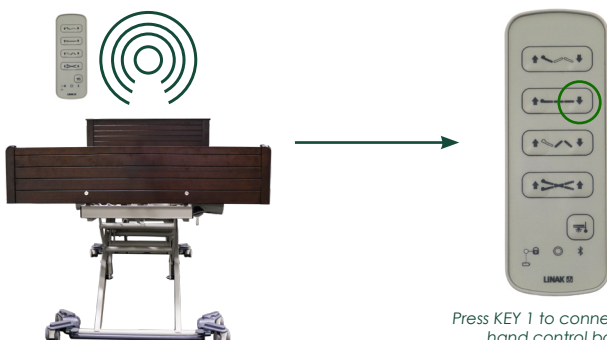


When in pairing mode, the control box buzzer will begin to beep, and the LED will begin to blink. The control unit LED will also begin to blink with the same frequency as the nearest control box.



*In pairing mode, the light/sound frequency will increase when the HB200 gets closer to a control box.*

### CONNECTING TO THE CONTROL BOX



Press **KEY 1** to connect the hand control box

When the hand control LED is blinking fast and the control box gives a high frequency sound in the same speed, the devices are ready for pairing. To finalise the pairing, press **Hi-Lo Down Button** on the hand control. Then, adjust your application with the handset.

## RECORD OF PERFORMED SERVICE PROCEDURES AND REGULAR SERVICE MAINTENANCE

Date	Purpose and Description	Performance

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 \_\_\_\_\_

## ALRICK 2300 TILT CARE BED WARRANTY

### CONDITIONS

Your Alrick 2300 Tilt Bed is guaranteed for 10 years on the frame from the date of purchase, 5 years on the electrics, 2 years on castors, 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 Alrick.

### EXCLUSIONS

This warranty does not extend 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 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



Clamp on Support Rail



StandEzy Straight Handle



StandEzy Hook Handle



Self Help Pole



Bariatric Self Help Pole



ACCESSORIES



Combo Grab Handle



Emergency Bed Power Unit



IV Pole



Foam Bolster



T-Bar Buffer



Reading Lamp

**Alrick.**

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