

Nino Instruction Manual

Product Code: 7-NINOBF

Please Carefully read instructions before using the bed.

Alrick.



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 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. **

NINO SERIES MODEL'S AVAILABLE

NINO Single (900mm)

NINO King Single (1070mm)

SPECIFICATIONS

	Single	King Single	Double
Height Range (mm)	100 - 725	100 - 725	100 - 725
Backrest Angle (degrees)	62	62	62
Kneebreak Angle (degrees)	35	35	35
Trendelenburg Angle (degrees)	15	15	15
Reverse Angle (degrees)	15	15	15
SWL (kg)	200	200	200
Overall Dimensions (mm)	1070 x 2170	1240 x 2170	1440 x 2170
Sleeping Surface (mm)	2000 x 900	2000 x 1070	2000 x 1370
Mattress Size (mm)	1960 x 860	1960 x 1050	1960 x 1350
TGA Number	ARTG 192062		

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



For indoor use (house)



Safety isolating transformer



Type B equipment, as per EN60601+1



Equipment K1.2 (Double square)



Product with a thermo fuse



Demko approval

RE-Tuv approval

IMPORTANT

- Check electric cords regularly and notify an electrician or Alrick on 1800 267 26 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.

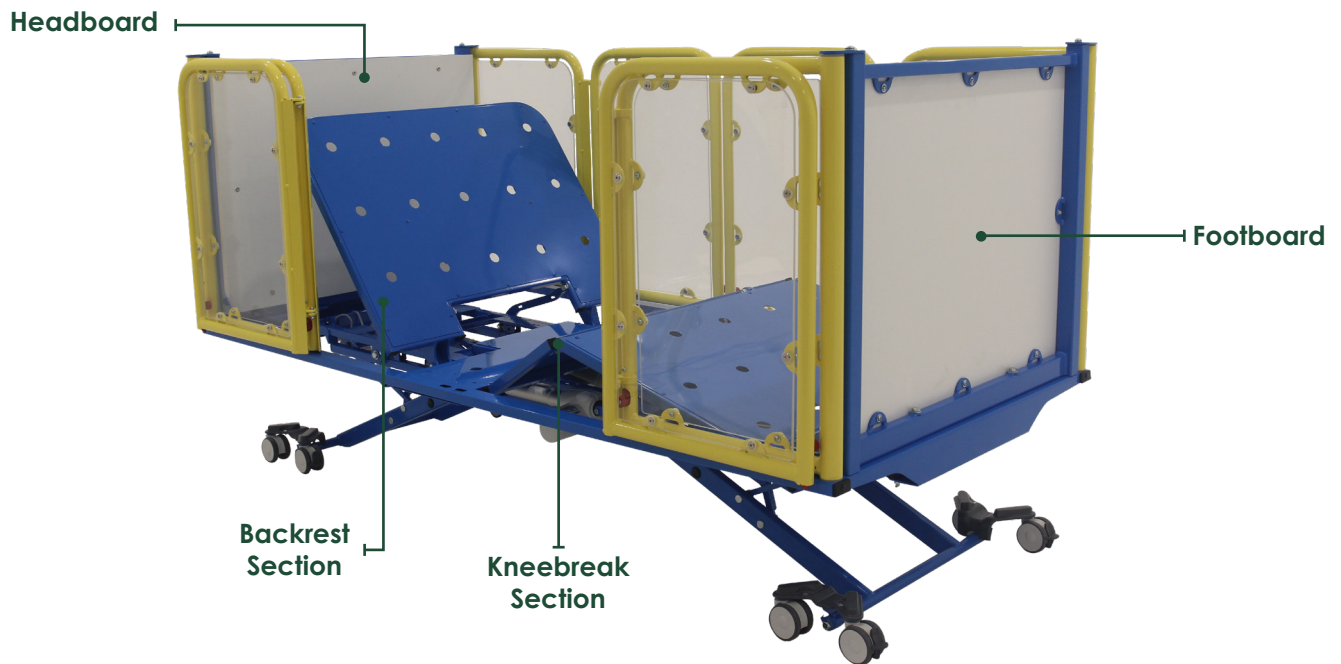
OPERATOR CONTROLS



OPERATOR CONTROLS:

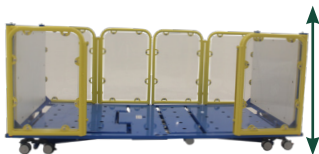
Electric Beds are controlled by a handset, which is plugged into the connection port. (Normally located below and at the edge of the mattress base towards the head end).

Handset Code: HB8X255-00



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. Beware of potential pinch points when lowering the kneebreak.



CHAIR POSITION:

The fourth set of buttons operate the chair function.



ELECTRIC TRENDLENBURG:

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.



NIGHT MODE:

Night Mode returns all functions to the lowest position.

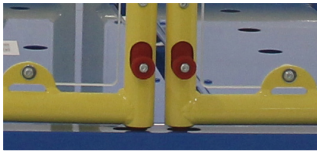
WARNING: The bed stops at approx 170mm from the floor, at this point, it is the responsibility of the carer to make sure there is nothing under the bed. Once checked, they can lower the bed to its lowest point of 100mm.



UNDERBED LIGHT:

The last button on the bottom left controls the under bed light (optional extra).

EXTRAS



OPENING AND CLOSING THE GATES:

To open the gates, lift the red release knob up. This is found at the bottom of each gate & each bi-fold section.

When closing the gates, please test the gate to ensure that it has latched securely before leaving the bedside.



BATTERY BACK UP:

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



UNDERBED LIGHT:

The underbed lighting feature provides ease of movement and access to the bed in dim conditions or at night. This will assist in the prevention of falls.

CASTORS



STANDARD CASTORS:

To activate braking, place your foot on the small grey pedal and press down. To release this, put your foot underneath the pedal and flick it upwards until it unlocks.



DUAL LOCKING CASTORS:

To activate braking, place your foot on the grey bar pedal and press down firmly. To release this, put your foot underneath the grey bar pedal and flick it upwards until it unlocks.

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.

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.

FITTING THE BI-FOLD GATES



CONTENTS LIST

- 2 x end boards
- 4 x gates
- 4 x M10x20 button head bolts
- 4 x M10x40 button head bolts
- 4 x M10x75 hex head bolt
- 12 x steel flat washer
- 12 x M10 nylon washer
- 4 x 1/2 inch steel flat washer

TOOLS

- 6mm Allen Key
- 15mm Spanner
- 16mm Spanner

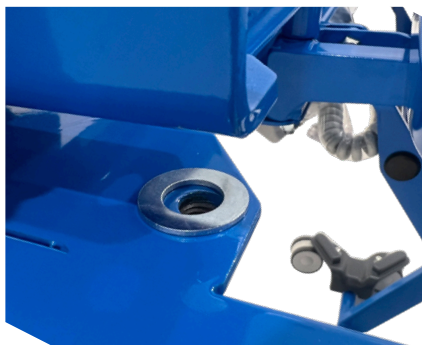
INSTRUCTIONS

(Please pair gate identification stickers when fitting bi-fold gate to the Nino - please use the drawing on the next page.)



STEP 1

Place end board at head end of bed with the laminate/ padding facing in.



STEP 2

Place 2 x 1/2 inch steel flat washer over the pre drilled holes in the corner of each side of the frame and sit the bed head on top.



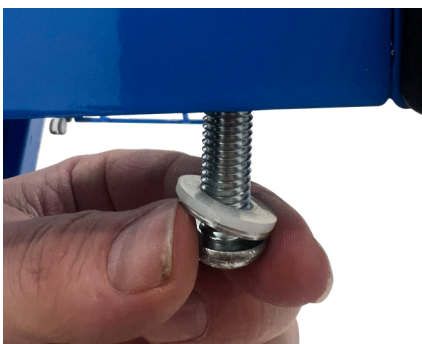
STEP 3

Secure M10x20 button bolt with steel washer then nylon washer into the predrilled holes at each side of the bed frame (don't fully tighten).



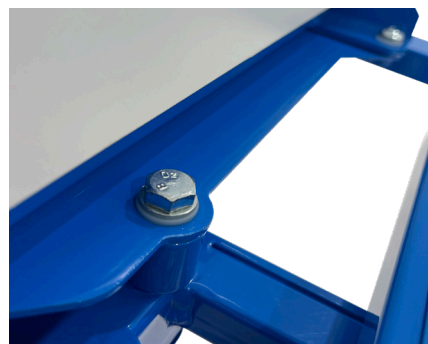
STEP 4

Insert 2 M10x75 Bolts with steel & nylon washer through the pre cut holes in back of the head board frame (don't fully tighten).



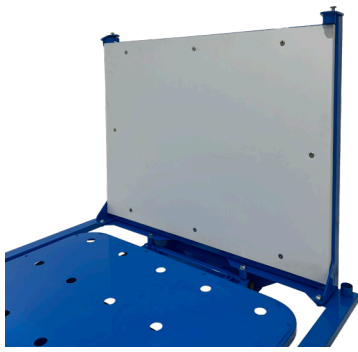
STEP 5

Insert 2 M10x40 Bolts with steel & nylon washer through the pre cut holes in the under side of the head board frame (don't fully tighten).



STEP 6

Tighten all 6 bolts in previous Steps 3, 4 & 5.



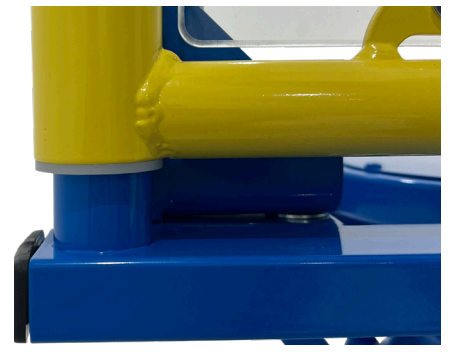
STEP 7

Repeat steps 1-6 for the foot end board.



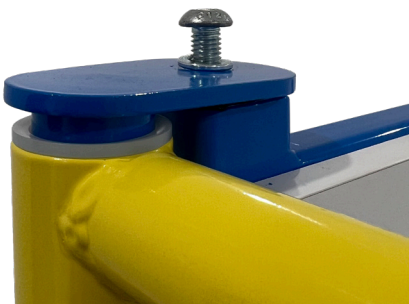
STEP 8

Loosen gate hinge, located on each side of the end board.



STEP 9

Slot gate over hinge pin located on the bed frame.



STEP 10

Place hinge into tube at the top of the gate and secure loosely with provided bolt.



STEP 11

Repeat steps 8, 9 & 10 for the remaining 3 gates.



STEP 12

Tighten all hinge bolts.



STEP 13

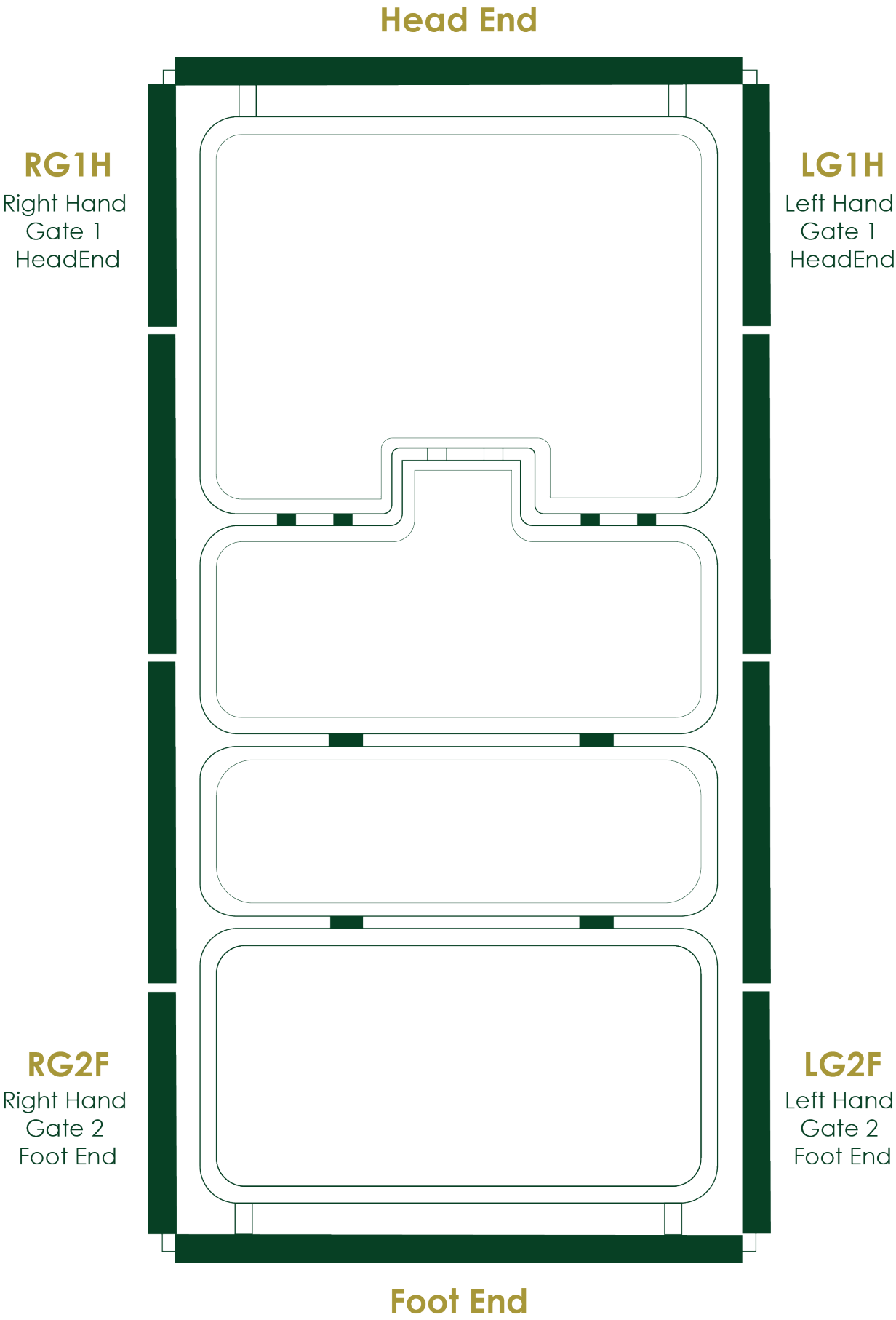
Check the gates sit parallel and tighten bolts on hinges until parallel.



STEP 14

Gently swing gate to see if it's free from hitting & latches on easily. Adjust as needed by rotating top hinge (outwards to lift gate and inwards to lower gate).

BI-FOLD GATE CONFIGURATION



RESET/INITIALISATION

This function must be performed when running the application for the first time, when replacing a Control Box or actuator or when adding to or removing an actuator from the application.

First stage the CB will automatically detect which actuators are connected to the system and run them through a cycle of setup. If one of the HILO or BACK actuators are not working, the control box will buzz ENDSTOP ERROR or FATAL ERROR. If the setup is not completed, some (or all) functions may be disabled.

RESET/INITIALISATION

RESETTING AN EN SERIES BED FITTED WITH A CO71 LINAK SERIES CONTROL BOX

Press both Hi-Low buttons (up and down) together.

- It will beep for 5 to 10 seconds.

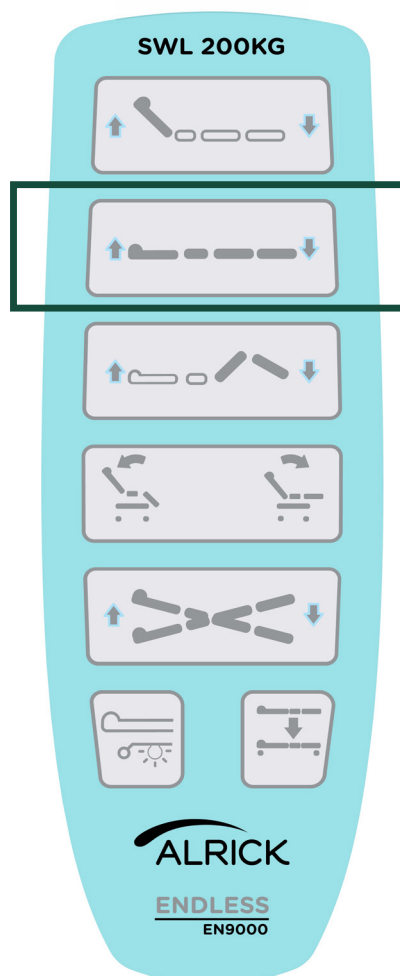
Don't let go of the buttons once the beeping has stopped.

- After another 10 seconds, the bed will start to rise, it will go right into the maximum height and return to the minimum height.

Throughout 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 hear a double beep.

Only let go of the buttons once you have heard the double beep.



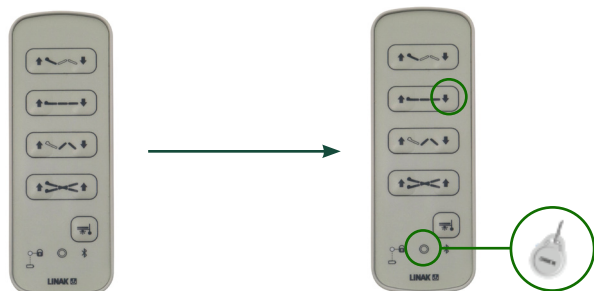
PAIRING BLUETOOTH DEVICES (optional)

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.

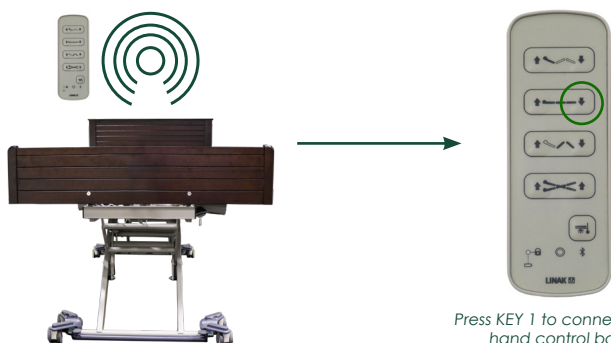


When in pairing mode, the control box buzzer will begin to beep, and the LED will begin to blink. The control unit LED will also begin to blink with the same frequency as the nearest control box.



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.

TROUBLESHOOTING

ENGINEER AND SERVICE - FAULT FINDING

PROBLEM	CAUSE	REMEDY
No functions	No power to system	Check the mains and/or battery connections
No functions LED indication ON	Possible loose connection	Check handset/foot switch connections
Actuator will drive OUT but not IN	Position lost on actuator	Try initialisation procedure, if problem persists, replace actuator
Actuator will drive IN/OUT. Intermittent beeping from control box when button is pressed.	<ul style="list-style-type: none">- Cable to actuator disconnected or faulty- Actuator is faulty	<ul style="list-style-type: none">- Replace faulty component- Perform reset and initialisation procedure
One or more actuators stop while driving	Actuator is overloaded	Reduce or remove load on chair and try again
HILO columns will not drive IN/OUT	<ul style="list-style-type: none">- Cable to column disconnected or faulty- Column is faulty	<ul style="list-style-type: none">- Replace faulty component- Perform manual reset procedure

OPEN BUS DO'S AND DON'TS

1. Before connecting or disconnecting OPENBUS™ accessories or handsets to/from the system:
Disconnect the CB from mains power.
- Wait at least two minutes after the last key press.
2. Only connect the specified type of Actuator to the appropriate port on the CB, refer to section 'System Overview' and section 'Assembly'.
3. Only connect the specified handset to the system, refer to section 'Assembly'.
4. Wait at least 2 minutes after the last key press before removing the BA18xx battery from the system. Otherwise battery operation may be blocked for 30 minutes.
5. Do not connect/disconnect an actuator while pressing any keys on the handset or foot switch.
6. Use O-rings on all connectors and secure all connectors/cables with cable locking devices supplied.
7. Use blind plugs with O-rings to seal any unused ports on the CB and junction boxes.
8. Do not stretch or unduly strain any of the cables and connectors.

RECORD OF PERFORMED SERVICE PROCEDURES AND REGULAR SERVICE MAINTENANCE

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

Date _____ Customer Signature _____

ALRICK NINO BED WARRANTY

CONDITIONS

Your Alrick NINO 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. This warranty applies only on the parts manufactured or approved by Alrick.

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 Alrick 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



Mattresses



Reading Lamp



EN T-Bar Buffer



Emergency Bed Power Unit



Self Help Pole



IV Pole

Alrick.

1800 267 267
service@activemedical.au
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