

Staebel EN7 Floorline Bed Instruction Manual

Product Code: 7-EN7



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 Staebel EN7 Floorline 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 Staebel EN7 Floorline 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 Staebel EN7 Floorline Bed is any 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 Thermofuse



Safety Isolating Transformer

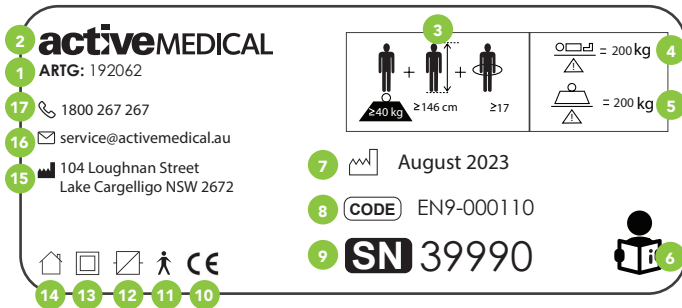


Device Protection Class II (classification according to the type protection against electric shock)



Demko Approval

Product Serial Number Plate



Serial Number Plate

Specifications

- 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 Manufacture Date
- 8 Product Code
- 9 Product Serial Number
- 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)



Serial Number Plate
(aluminium plaque)



Serial Number Plate
(same style as above)

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 wall in the lowest position. Lock castors. This position is critical so as not to damage 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 Active Medical Technician Team on 1800 772 287.

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

MODELS AVAILABLE

- Staebel Floorline EN7 Single Bed (900mm)
- Staebel Floorline EN7 King Single Bed (1070mm)

Specifications			Specifications	
	Single	King Single	U In	230V ~, 50Hz
Height Range	100 - 725 mm	100 - 725 mm	I In	Max. 1.5A
Backrest Angle	62 °	62 °	U Out	24V ... , max. 70W
Kneebreak Angle	35 °	35 °	Op.	10%, Max. 2min./18min.
Trendelenburg Angle	15 °	15 °	Protection Class	1Px4
Reverse Angle	15 °	15 °	Insulation Class	II Type B
SWL	200/300 kg	200/300 kg	Noise	48DBA
Overall Dimensions	2115 x 920 mm	2115 x 1090 mm		
Sleeping Surface	2000 x 900 mm	2000 x 1070 mm		
Mattress Size	1960 x 860 mm	1960 x 1050 mm		
TGA Number	ARTG 192062			
Manufacturer 	Active Medical 104 Loughnan Street, Lake Cargelligo, NSW 2672			



For indoor use (house)



Type B equipment, as per EN60601+1

RE-Tuv approval



Product with a thermo fuse



Safety isolating transformer



Device Protection Class II



Demko approval

IMPORTANT

- Check electric cords regularly and notify an electrician or Active Medical on 1800 772 287 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 Staebel 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



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** | Bariatric Handset: **HB8X256-00**

Headboard

Footboard

Backrest Section

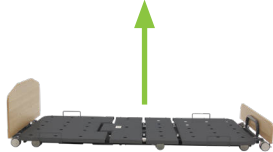
Kneebreak Section



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 Kneebreak.



Chair Position:

The fourth set of buttons operate the chair function.



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.



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.



Under Bed Light (optional):

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

OPTIONAL EXTRAS



Head & Footboards:

The standard endboard frames drop into sockets, allowing for rapid removal in an emergency.

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



Battery Back Up:

This allows you to safely change the patient's position during a power shortage.



Under Bed Light:

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

CASTORS



Standard Castors:

To activate breaking, 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 (optional):

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

SAFETY AND 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 Active Medical 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 manufacture 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 and documented in the '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.

FITTING THE 400HR HORIZONTAL RAILS

Warranty: 12 Months



Step 1:
Tools Required.



Step 2:
Place rails on correct side of the bed.
(Release knob is always located towards the head of the bed.)



Step 3:
If required, change the width.
Single width displayed above.



Step 4:
King single width displayed above.



Step 5:
Remove the mounts.



Step 6:
Placing the mounts.
(Right hand side when laying on the bed)



Step 7:
Rail placement on non actuator side.



Step 8:
Fit the rail mounts at foot end of the bed.



Step 9:
Fit the rail mounts at head end of the bed.



Step 10:
Tighten all final bolts.



Step 11:
Remove kneebreak actuator on opposite side.
(Left hand side when lying on the bed)



Step 12:
Slide in mount.

FITTING THE RAILS CONTINUED



Step 13:
Loosen cable.



Step 14:
Locate rails in position.



Step 15:
Fit the rails in the mount.



Step 16:
Tighten all final bolts.



Step 17:
Refitting the actuator.



Step 18:
Finalise refitting the actuator.

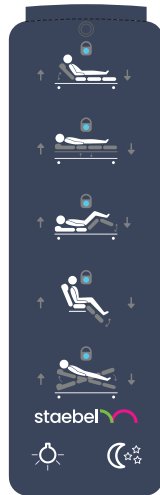


Step 19:
Test rails before use.

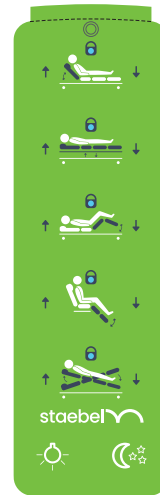
SWAPPING THE EN9 HANDSET FROM STANDARD TO BARIATRIC

Warning:

Do Not Swap Handsets Under Load – If Under Load, the Bed May Collapse and Cause Injury or Possible Death



Standard Handset
HB8X255-00
SWL 200kg



Bariatric Handset
HB8X256-00
SWL 300kg

INSTRUCTIONS



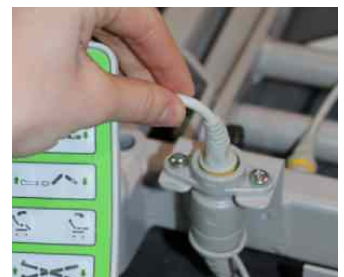
Step 1:
Find the port that your handset is plugged into.



Step 2:
Remove the plastic clip that sits around the plug that is in the port.



Step 3:
Pull the plug out of the port and then put the blue handset aside.



Step 4:
Get your green handset and plug it into the same port.



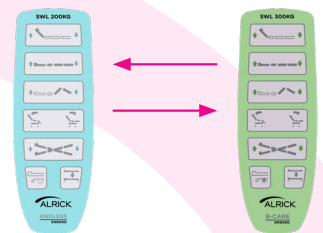
Step 5:
Put the plastic clip back around the plug and press it in around the plug.



Step 6:
The bariatric handset is now ready for use.
NOTE: the SWL of the bed is now 300kg.



Step 7:
The blue handset can be kept in storage until you need to swap it over again.



Bariatric to Standard
Follow the same steps you completed to swap to the bariatric handset.

RESET/INITIALISATION

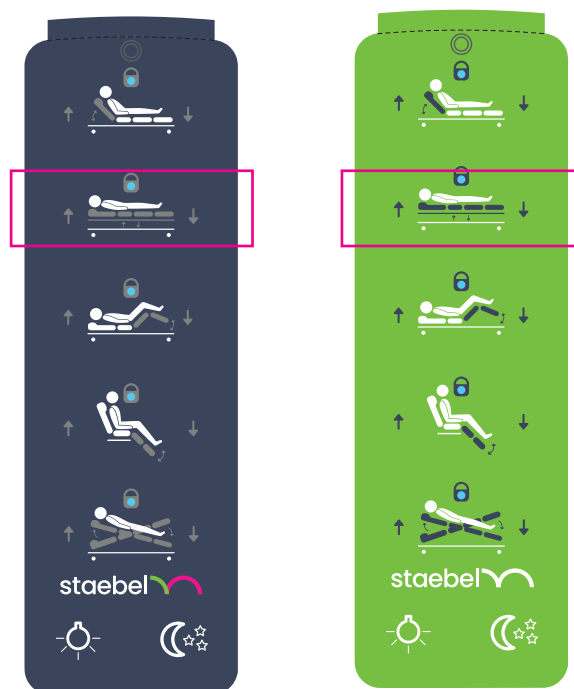
This function must be performed when running the application for the first time, when replacing a Control Box or actuator or when adding to or removing an actuator from the application.

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 END STOP ERROR or FATAL ERROR. If the setup is not completed, some (or all) functions may be disabled.

Reset using the handset:

Simultaneously press and hold both buttons to perform initialisation.

NOTE: press and hold buttons until you have heard the confirmed buzz.



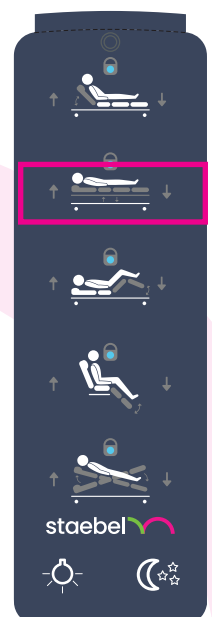
Reset using the attendant control:

Simultaneously press and hold both buttons to perform the initialisation.

NOTE: press and hold buttons until you have heard the confirmed buzz.

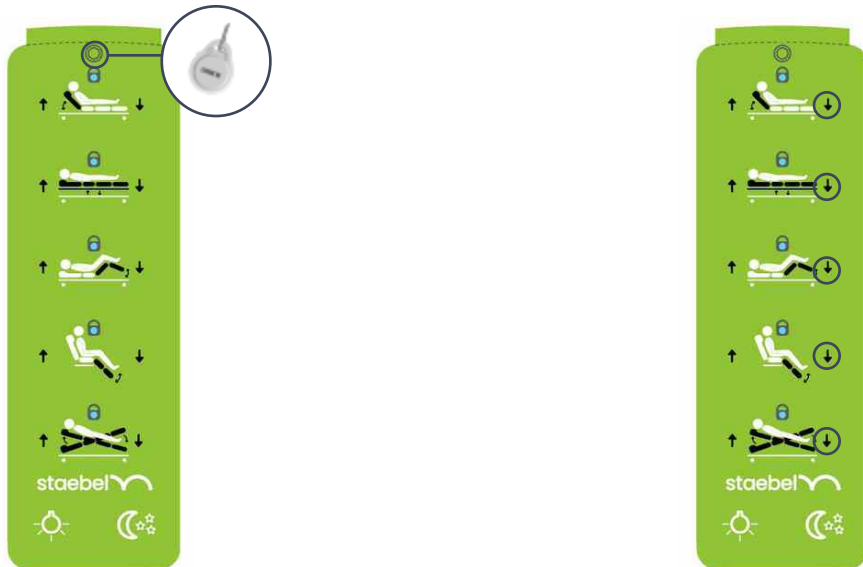
Resetting an EN Series Bed fitted with a CO71 Linak Series Control Box

- 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.



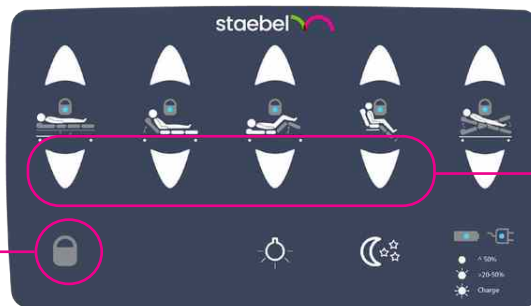
LOCKING AND UNLOCKING LOCK OUT FUNCTIONS (optional)

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.

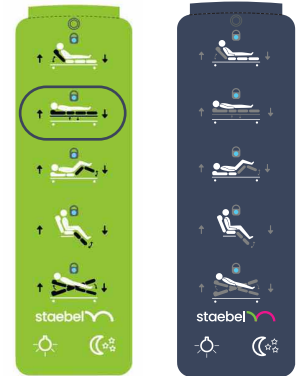
ACOM Attendant Control:



1. Press and hold the key button.
2. Then press the down key of the function to be locked or unlocked.

RESETTING AN EN7 FLOORLINE 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 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.



TROUBLESHOOTING:

Troubleshooting with a HB400 Handset:

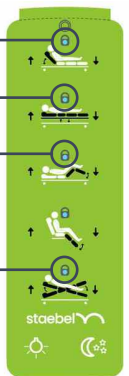
Lock LED flashing on backrest function - issue with either the backrest actuator or cable.

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.

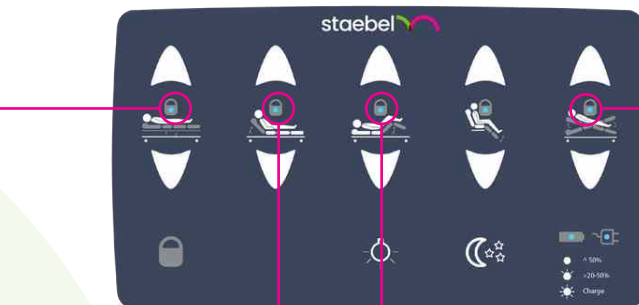
If all LED lights are flashing - issue with either handset or the cables connecting it to the control box.



Troubleshooting with an 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 hi-low function - issue with the head end hi-low actuator or cable.



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 tilt function - issue with either the foot end hi-low actuator or cable.

TROUBLESHOOTING

Engineering 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.	- Cable to actuator disconnect or faulty - Actuator is faulty	- Replace faulty component - Perform reset/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	- Cable to column disconnected or faulty - Column is faulty	- Replace faulty component - Perform manual reset procedure

OPEN BUS DO'S AND DON'TS

- 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.
- Only connect the specified type of Actuator to the appropriate port on the CB, refer to section 'System Overview' and section 'Assembly'.
- Only connect the specified handset to the system, refer to section 'Assembly'.
- 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.
- Do not connect/disconnect an actuator while pressing any keys on the handset or foot switch.
- Use O-rings on all connectors and secure all connectors/cables with the cable locking devices supplied.
- Use blind plugs with O-rings to seal any unused ports on the CB and junction boxes.
- Do not stretch or unduly strain any of the cables and connectors.

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 above and the equipment is now functioning properly.

Date _____ Customer Signature _____

STAEBEL EN7 FLOORLINE BED WARRANTY

Conditions

From the date of purchase, your StaebeL EN7 Floorline is guaranteed for 10 years on the frame from the date of Purchase, 5 years on the electrics (LINAK), 1 years 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 extend to those items that may need replacement due to normal wear and tear, or to damage caused by misuse or accident, for which Active Medical or its 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

Issue Date: 180724
Revision Date: 300626 | V6