



Acute Hospital Bed



Innov8 Low Bed

Instructions for use

[www.sidhil.com](http://www.sidhil.com)



# Welcome to Sidhil

## Still making it better...

At Sidhil, everything we do is designed around quality. From our modern and efficient manufacturing plant in Halifax, West Yorkshire, we manufacture a range of products for the healthcare market using leading edge production technology and finishing processes.

We are the only remaining volume manufacturer of hospital beds in the UK, bringing together innovation in product development, sales, customer service and logistics to provide clear benefits for our customers in terms of flexibility, short production timescales and support for our nationwide network of service and maintenance centres.

Excellence in customer service is our key objective. Alongside our focus on innovation, research and product development, we use our UK manufacturing facility to ensure optimum levels of product and spares availability, with unparalleled levels of reliability and performance.

Corporate social responsibility is also an issue for Sidhil. We have now received accreditation to ISO 14001, underlining our commitment to maintaining the highest levels of environmental awareness and sustainability across our manufacturing operation.

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# I. INTRODUCTION

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Thank you for purchasing a Sidhil Independence Innov8 Low Bed. These instructions for use should be read carefully before operating the bed. Please ensure that you understand all instructions, if you have any questions concerning the operation or maintenance of the bed please contact Sidhil Ltd.

## I.1 Features

- Electrically operated backrest, height and knee break angle
- Auto regressing backrest
- Infinitely variable electrically operated head and foot down tilt (Trendelenburg & reverse Trendelenburg)
- Auto contour – simultaneous adjustment of the backrest and knee break
- Auto cardiac chair position
- Battery backup
- Patient handset and nurse control panel with integral function lockout
- Removable head and foot ends
- Removable plastic mattress platform panels
- Mattress platform extension
- Integral side rails\*
- Night pack\*

\* Available as an accessory.

## I.2 Warnings and Cautions



Warnings in these instructions for use highlight potential hazards that if disregarded could lead to injury or death.



Cautions in these instructions for use highlight potential hazards that if disregarded could lead to equipment damage or failure.

## 2. CLINICAL USE

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### 2.1 Typical Use

The Innov8 bed range covers every need from a utility ward bed to high dependency, where patients whose clinical requirements and situation of care require positioning with minimal handling.

At the carer's discretion patients can use the controls to adjust the bed to their preferred position (within the patient control range of 420mm to 710mm). The carer may fully lower and raise the bed using the carer handset, however when travelling below the patient control range (when mattress platform is lower than 420mm) the bed will reduce speed and a short audible warning alarm will sound (see page 21).

### 2.2 Risk Assessment

Before a patient uses the bed a risk assessment must be performed on a patient by patient basis. The risk assessment should include, but is not limited to:

- Entrapment
- Falling out of the bed
- Small children (and adults)
- Patients with learning difficulties
- Unauthorised people
- Items/equipment/cables under the bed

#### **Warning**



Bed functions must be locked out if there is any doubt about the ability of the patient to operate the bed safely.

## 2.3 Bed Load



The safe working load of the bed is: **255kgs (40 stone)**



The maximum patient weight of the bed is: **190kgs (30 stone)**

### Warning



The maximum loads shown above are for the bed occupied by one patient only. The bed is not designed to take the weight of visitors sitting on the side of the bed. Additional weight could damage components or cause the bed to topple, causing injury.

## 2.4 General Warnings

### Warning



- Misused electrical equipment can be hazardous.
- Accessories that have not been approved or designed for use with the bed should not be used.
- Electrically operated beds should not be used in the presence of flammable gasses.
- Electrically operated beds should not be used in operating theatres.
- Ensure cables are kept away from moving parts of the bed to avoid damage to the bed and/or cabling.

### Caution



Ensure cables are kept away from moving parts of the bed, to avoid damage to the bed and/or cabling.

## 2.5 Transport & Storage Conditions

The following conditions should be followed when transporting and storing the Innov8 Low Bed. This does not apply to the transfer of the bed between wards.

- Bed set to lowest height
- Brakes applied
- All profiling sections secured (transport only)
- All functions locked out
- Covered to protect from fluid ingress (if required)
- The beds must not be stored one on top of another

Ambient temperature	+5° to +40°C
Humidity	20% - 90% at 30°C



### 3. SYMBOL DEFINITION

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The following symbols are found on the bed:

Symbol	Description
	Warning
	Refer to instructions for use
	Refer to instructions for use
	Safe Working Load
	Maximum User Weight
	Place of Manufacture
	W.E.E.E Label (Do not discard in general waste, follow local recycling policy)
	Type B Electrical equipment
	Refer to instructions for use for mattress suitability

## 4. INSTALLATION

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Prior to operating the bed for the first time the following simple checks must be performed:

- Ensure the bed and all accessories are at room temperature.
- Ensure the bed has been cleaned and disinfected (page 29).
- Connect the mains cable to an appropriate mains socket outlet.
- Using the carer handset, raise the mattress platform to its maximum height to ensure the bed is level (page 23).

If the electrical functions are not active it will be for one of two reasons:

1. Functions have been locked out on the nurse control panel, see page 23 for activation.
2. The electrical system needs initialising, see procedure on page 32.

### **Warning**

- Ensure the orange coiled mains cable is not in tension when connected to the mains supply.
- Ensure that cables and handsets are clear of all moving parts to prevent damage to the electrical components.
- To avoid the risk of electric shock, this equipment must only be connected to a supply mains with protective earth.
- Inappropriate handling of the mains cable could cause kinking or shearing of the cable which may lead to exposed live wires, causing an increased risk of electrocution.
- Care should be taken when routing from external equipment around the bed to ensure that cables do not become trapped or damaged.
- Any electrical cable that is part of the bed frame or associated ancillary equipment that is found to be damaged must be replaced immediately. Damaged electrical cables can create a risk of electrocution.



### **Caution**

Special care should be taken when fitting an air mattress to the bed as incorrect fitting could damage the bed.



## 5. MANUAL OPERATION OF THE BED

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### 5.1 General Safety

- When the bed is operated, ensure that obstacles such as over-bed tables and other furniture/objects are not causing an obstruction, particularly when lowering to the minimum height with the carer handset.
- Ensure the bed is positioned an appropriate distance from walls/other furniture to prevent damage or patient injury when operating the bed (particularly when operating in tilt).
- Ensure the electrical cables are not in tension.
- Ensure that any mattresses used are of the correct size and type and have been fitted correctly. A range of suitable pressure relieving and pressure reducing mattresses are available from Sidhil Ltd.
- Ensure the mattress fitted is used with the correct side rail (see page 14 for more information).
- Before operating the bed ensure the patient is positioned appropriately.
- When a patient is left unattended the carer must determine whether the bed should be set to the minimum height of a standard Innov8 bed (420mm - as low as the patient handset will allow) or lowered to minimum height using the carer handset (225mm).

*Note: If the bed is lowered to the minimum height using the carer handset the patient will be able to raise the bed, but will not be able to lower the bed back down below 420mm using the patient handset.*

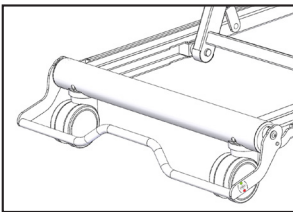
## 5.2 Brake & Steering System

### 5.2.1 Brake Bar/Pedal Operation

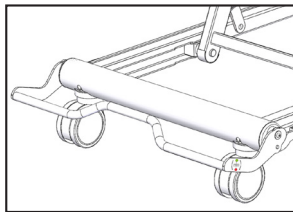
To activate the brake, simply press down on the brake bar with your foot in a downward fashion. This will lock the castors and prevent the bed from moving.

To release the brakes, raise the bar back up to a horizontal position by hooking your foot under the bar and applying an upward force. This will allow the castors to swivel freely.

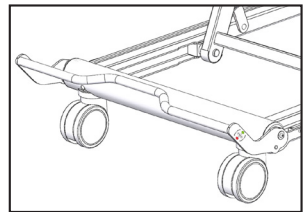
To move the pedal into the steer or 'tracking' position, lift the pedal upwards past the horizontal, by hooking your foot under the bar, applying an upward force. Two castors will lock in a specific 'tracking' position allowing the bed to be steered more easily.



Brake



Free



Steer

### Warning

- When the pedal is in the tracking position the mattress platform must not be lower than 400mm from the floor (minimum height the patient handset will allow).
- Lowering the mattress platform to the minimum height with the pedal in the tracking position could lead to equipment damage and/or injury.
- The brake must always be engaged when the bed is stationary.

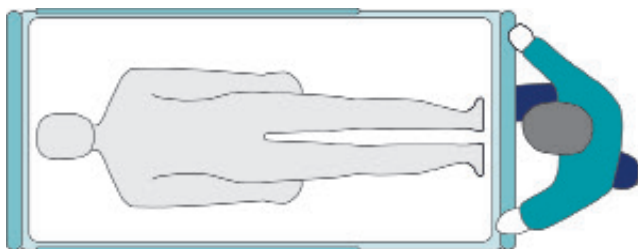


## 5.2.2 Moving the Bed

Before moving the bed the following checks must be performed:

- Side rails must be raised if there is a patient in the bed, to minimise the risk of falling.
- The platform must be horizontal.
- The platform must be raised/lowered to a suitable height for pushing.
- The mains lead must be unplugged and stored on the cable tidy hooks.

When moving the bed long distances, i.e. between wards along straight corridors, it is advisable to set the steering function to 'track' by pulling the brake bar up and pushing the bed from the foot end of the bed. In this way the person pushing the bed is able to monitor the condition of the patient during transport and can keep the bed moving in a straight line with minimal effort.



### Warning



- If the bed is to be pushed up/down a slope Sidhil advise that two people move the bed, with one person at each end.
- If the bed is to be pushed with a heavy load it should be assessed whether or not two people should move the bed, this is dependent upon the situation and load on the bed.

## 5.3 Side Rails

The Innov8 Low bed can be specified with two different types of folding side rails, this is to provide the optimum mattress/side rail combination for both foam and air mattresses of varying thicknesses. When specifying a mattress and side rail combination a clinical assessment of the patient's needs must be carried out in line with the local policy.

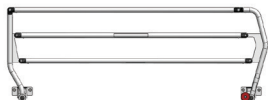
### Warning



The side rails available for the Innov8 Low bed are product specific due to how close the mattress platform travels to the ground when at minimum height. Other than Innov8 Low side rails, no other side rails should be used with the bed.

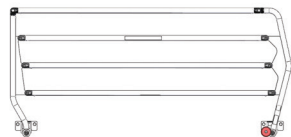
### 5.3.1 Mattress Thicknesses

Standard, 3 bar, cantilever side rail



= 152mm maximum mattress thickness (6")

High, 4 bar, cantilever side rail



= 270mm maximum mattress thickness (10.5")

If an overlay air mattress is used it may be necessary to use a thinner foam mattress for the combined height to maintain the 270mm dimension.

Refer to MHRA Device Bulletin DB2006 (06) 'Safe use of bed rails'.

Side rails pose a potential entrapment hazard, please refer to side rail safety notice, SR/PSN 01/01/1, supplied with this product.

### **Warning**



- Side rails must only be used with a mattress of the correct size and type that is approved for use with the Innov8 Low bed.
- Ensure the side rails are locked in place at all times when in the raised position.
- A risk assessment should be carried out to consider the age, condition and size of the patient to assess the suitability of side rails.
- Side rails are not designed to act as restraints for patients.
- Side rails are not designed to be used as a patient lifting aid.

### **Caution**



Do not use the side rails to move the bed.

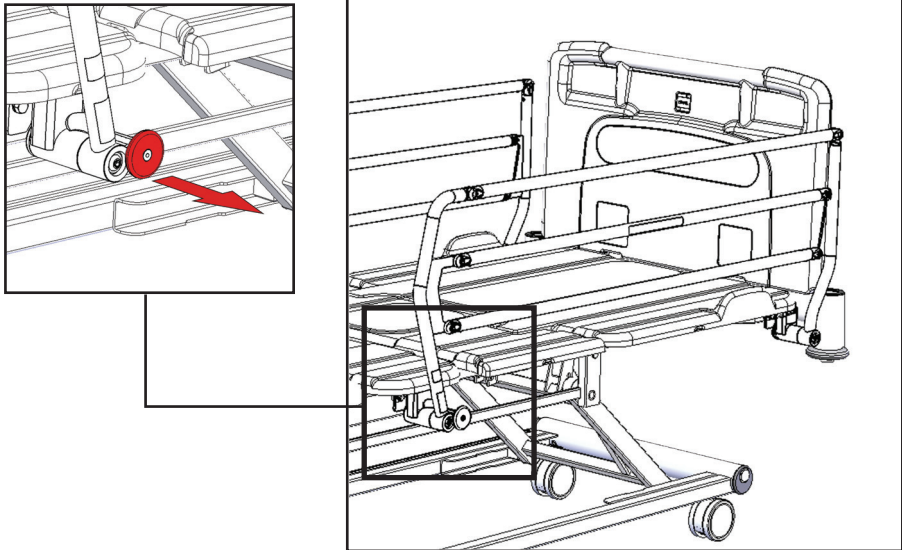
### 5.3.2 Operating the Side Rails

To lower:

Hold the top rail and pull out the release plunger. Gently lower the side rail towards the foot end of the bed.

To raise:

Hold the top rail and lift the side rail until it locks into the vertical position.



#### Warning



- Ensure the side rail release plunger is fully engaged when the side rails are in the raised position.
- When operating the side rails ensure they are free from obstructions, to prevent injury/entrapment.

#### Caution



When lowering do not drop the rail, damage could be caused.

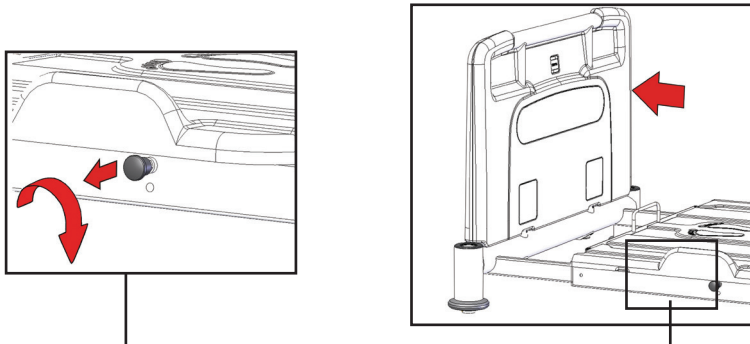


## 5.4 Bed Extension

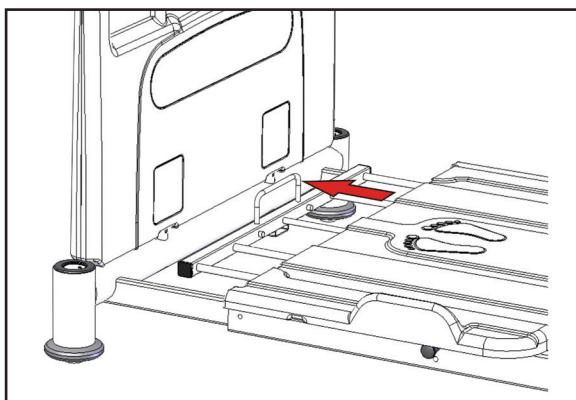
The bed comes with an integral bed extension which allows the bed to be adjusted in length, according to the patient's needs.

To extend the bed extension:

- If the bed is in tilt the platform must be levelled first (see page 25).
- Pull out the spring loaded plunger located on the side of the bed near the foot end whilst holding out rotate by a quarter turn (the plunger should stay out). Repeat for the plunger on the opposite side of the bed.
- Pull out the mattress platform extension to its maximum extent.
- Rotate the spring loaded plungers until they lock back into position.



- Pull out the leg extension to its maximum extent.



To retract the bed extension:

- Push in the leg extension until it re-engages with the catch.
- Pull out the spring loaded plunger located on the side of the bed near the foot end (see page 17), whilst holding out rotate by a quarter turn (the plunger should stay out). Repeat for the plunger on the opposite side of the bed.
- Push the mattress platform extension fully in.
- Rotate the spring loaded plungers until they lock back into position.

### **Warning**

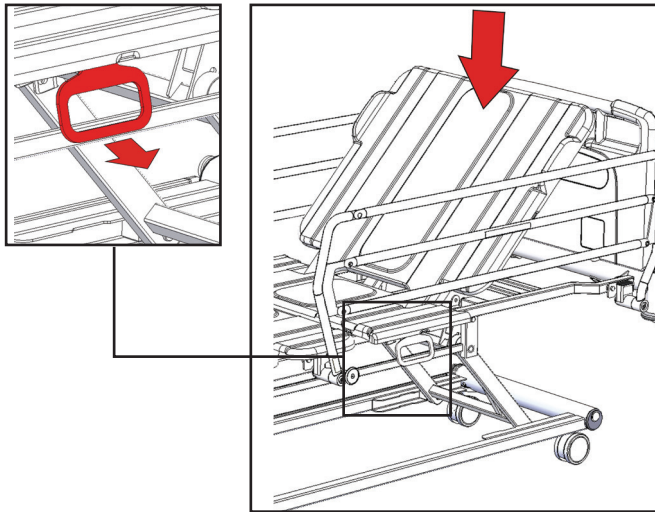


- Never pull the leg extension out without the mattress platform extension pulled out.
- Always fit a mattress extension block when the platform is extended.
- Always ensure the extension is locked in position, both in the extended & retracted state.

## 5.5 Emergency CPR Function - Manual

The backrest can be levelled using the manual CPR handles located on both sides of the bed.

To flatten the backrest in an emergency, pull one of the red handles outwards; the backrest will now drop into a flattened state.



Note: The platform will not level itself or change height when the manual handles are pulled, this function is only available with the electrical CPR function.

### Warning

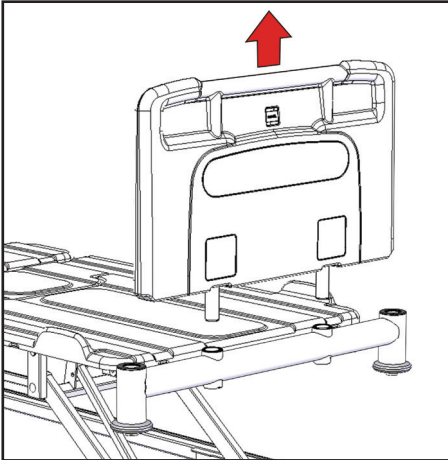


The backrest may fall quickly, ensure that limbs and equipment are clear.

## 5.6 Bed Ends

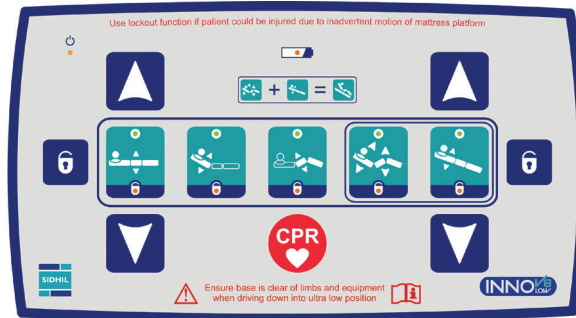
The bed has plastic end panels which are easily removable, allowing for fast patient access.

To remove, hold the panel with both hands and lift squarely.



## 6. ELECTRICAL OPERATION OF THE BED

### 6.1 Nurse Control Panel



The nurse control panel (NCP) controls all bed functionality; it is to be used only by the carer. The NCP is designed to be stored at the foot end of the bed by clipping it over the bed end panel.

The NCP enables the carer to fully operate and position the bed according to the patients needs (including lowering to an ultra low height); for safety reasons it is imperative that the operating instructions in this booklet are fully read and understood before the Innov8 Low bed is used.

When lowering the bed from its maximum height the bed will travel at full speed until it reaches 420mm at which point it will slow and a short warning alarm will sound to alert the carer that the bed is now travelling lower than a standard bed.

#### Warning



Ensure limbs and equipment are not overhanging/below the mattress platform before lowering.

#### Caution

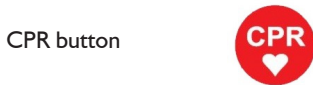
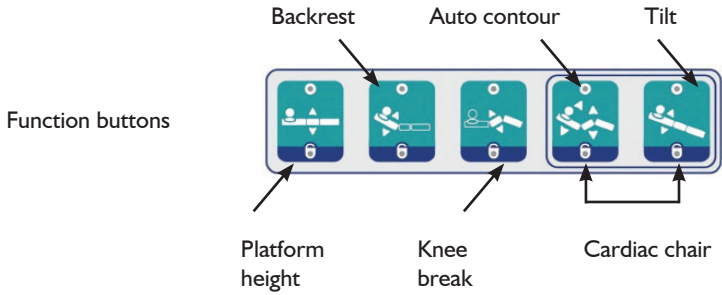


Ensure the bed is on a level surface and that equipment and objects are clear of the base before lowering.

If the bed is moved into a tilt position the warning alarm will sound as the lowest end of the bed travels below 420mm.

The bed will always travel at full speed with an upward command, regardless of position.

## 6.1.1 Nurse Control Panel Features



## 6.1.2 Operating the Nurse Control Panel



Green Light =  
Function  
Active

To activate a function, press the desired function button. A green light will illuminate at the top of the function button, this indicates the function is now active.



Once the function button is active hold down one of the direction keys, until the required position is reached.

Note: The function will stay active for 5 seconds. If after 5 seconds a direction button has not been pressed the function will de-activate and the green light will extinguish.

### Warning



Ensure limbs and equipment are not overhanging the mattress platform before lowering.

### Caution



Ensure the bed is on a level surface and that equipment and objects are clear of the base before lowering.

### Disabling / Enabling Bed Functions:



+



Amber Light =  
Function Locked

To lockout a function one of the padlock symbols must be pressed simultaneously with the function required for lockout. An amber light will illuminate at the bottom of the function button, this indicates the function is now locked out.

To unlock a function the above process is repeated, the amber light will extinguish.

Note: When a function is locked out on the NCP, the patient handset (see page 27) will have the corresponding function locked out.

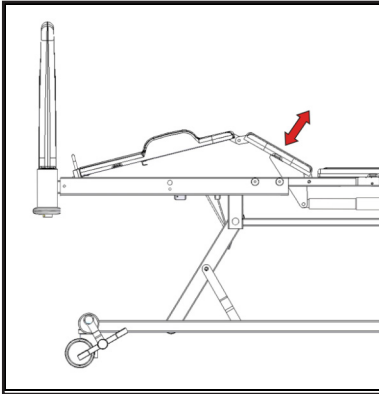
## Knee Break:



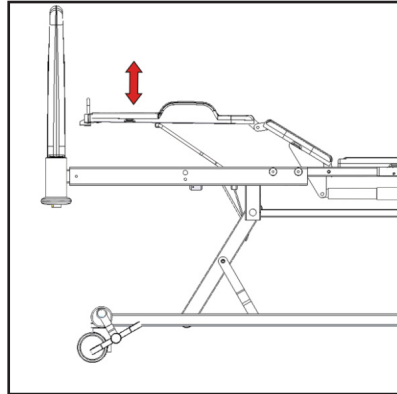
The knee break button on the NCP allows adjustment of the thigh section angle.

Adjusting the height of the foot section requires a manual operation:

- Using the NCP, adjust the thigh section to its maximum angle.
- Lift the leg section.
- Lift the leg stay bar.
- Position the leg stay into the channel under the leg section.
- The knee break button on the NCP will now raise/lower the leg section.



Thigh Section Angle Adjustment



Leg Section Height Adjustment

## Auto Contour:



When the auto contour button is pressed both the backrest and knee break functions operate together.

Note: The operation of the knee break section will vary dependent on the position of the leg stay bar as detailed above.

Note: If the backrest or knee break are locked out this will automatically disable the auto contour function.



## Tilt:



Head down tilt (Trendelenburg) and foot down tilt can be applied using the NCP.

When in tilt, in order to level the bed the opposite direction button should be pressed and held until the bed stops, the platform will now be level (Note: It may be necessary to re-activate the tilt function).

To continue tilting the bed in the opposite direction, re-press the same direction button again and hold until the desired angle is reached.

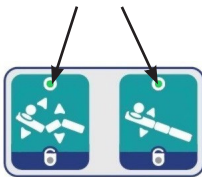
## Caution



When the bed is put into head down tilt position there must be sufficient space behind the bed to ensure the head board and/or any ancillary equipment cannot clash with the wall.

## Cardiac Chair:

Green Lights =  
Function Active



The bed can be automatically profiled into a cardiac chair position, where the platform is automatically profiled into the auto contour position and then moves into the foot down tilt position.

When the auto contour and tilt buttons are pressed within 5 seconds of each other this automatically enables the cardiac chair function. Pressing either one of the two 'up' buttons orientates the bed into the cardiac chair position.

Pressing any one of the two 'down' buttons takes the bed out of cardiac chair and levels the platform.

## Electrical CPR:



Pressing the CPR button automatically levels, flattens and lowers the platform. Once the platform is at minimum patient operating height (420mm) it then drives up to the maximum height. Regardless of position, the backrest always lowers first (if raised), so that it is flat in the quickest possible time.

Note: pressing the CPR function overrides all locked out functions.

### Warning



The mechanical CPR function will flatten the backrest quicker than the electrical CPR but will not level the knee break or lower the platform.

## Mains Power Indicator:



The NCP has a mains power light in the top left corner. If it is not illuminated amber, the bed is either unplugged or has a fault (see page 32).

## Battery Indicator:



The NCP has a battery light that shows when the battery is charging.

Note: It does not indicate when the bed is being run off battery power. When the bed is running off battery power and the batteries are almost flat an audible alarm will be heard when a handset button is pressed.

### Caution



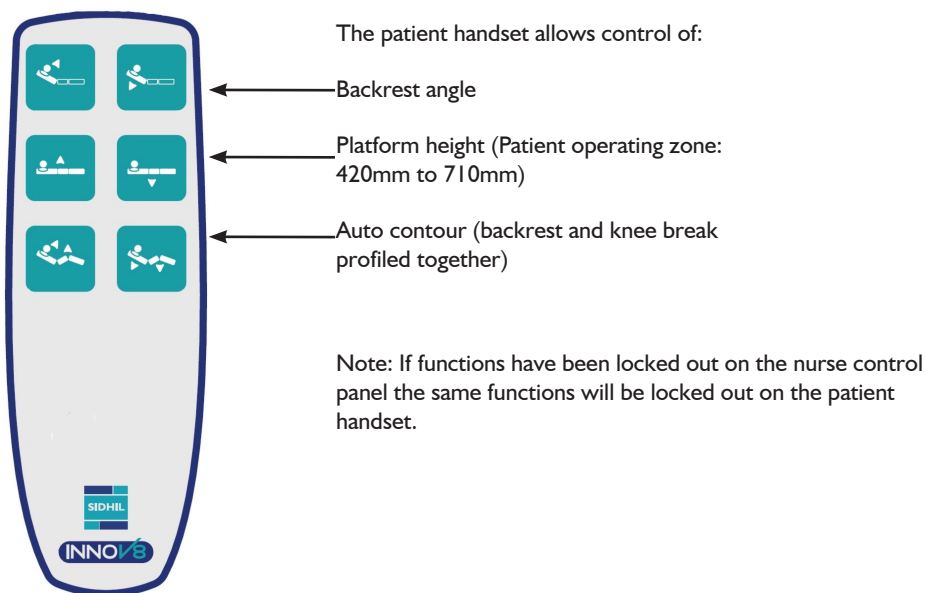
The bed is not designed to run off battery power for long periods and should always be plugged into the mains supply during normal use.

## 6.2 Patient Handset

The patient handset is designed to give limited control to the patient. It allows control of the backrest, knee break and mattress platform height.

The mattress platform height may only be adjusted between 420mm and 710mm using the patient handset, to reduce the chance of entrapment when the patient is unsupervised. If the bed is to be lowered below the minimum patient operating area it must be done so by the carer using the NCP.

The patient may raise the bed out of ultra low position (below 420mm) if required, however the handset will not allow them to re-lower the bed below minimum patient operating height (420mm).

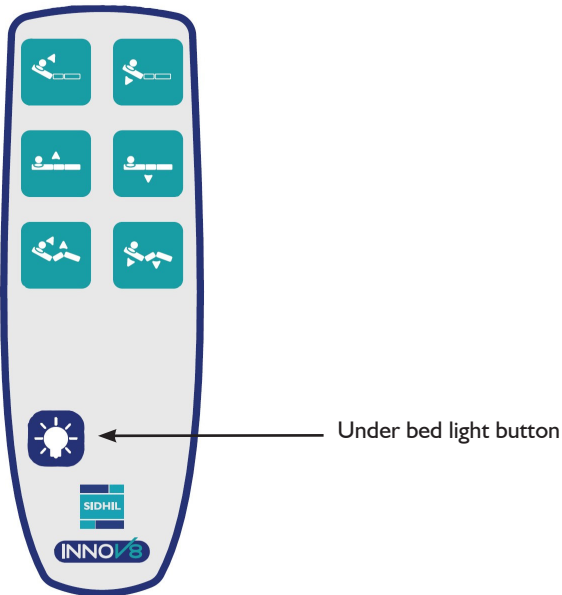


### 6.3 Night Pack (Optional Accessory)

Along with the functions of the standard patient handset, the night pack handset is backlit and controls an under bed light.

When any button on the handset is pressed all functions are illuminated and remain illuminated whilst the handset is in use, or for 10 seconds if inactive.

When the under bed light button is pressed it operates a light on both sides of the platform, providing a small pool of light either side of the bed.



## 7. DECONTMINATION

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### 7.1 Cleaning & Disinfection Guidelines

#### Warning



Always disconnect the bed from the main power supply prior to cleaning.

To aid cleaning, the plastic bed ends and mattress platform panels can be removed. It is also advisable to remove any accessories that are fastened to the bed.

These instructions apply to all accessories apart from soft products (e.g. mattresses).

- All surfaces to be wiped down with a disposable soft cloth moistened with a mild detergent and diluted in warm water (40°C).
- The bed should be cleaned by starting with the cleanest parts of the bed and systematically moving to the dirtiest parts. Extra care should be taken around areas where excess dirt or dust may gather.
- The cloth should be changed during the cleaning process if it becomes soiled.
- Rinse down with clean water to remove detergent residue.
- Wipe surfaces down with 1,000 parts per million chlorine solution (0.1%).
- Dry off with a paper towel.
- Always ensure the cleaned parts are allowed to dry before putting the mattress back in place.

*Note: If any of the 3 stages stated above (detergent, rinse down & chlorine solution) are omitted or combined it will reduce the effectiveness of the clean.*

In cases of blood spills or other bodily fluids it is recommended that a chlorine solution of 10,000 parts per million (1%) is used instead.

*Note: The use of neat bleach or similar surface cleaners is not recommended as damage may be caused to the bed surfaces.*

## Alternatively:

Sidhil recommend the use of **Tristel** 'Fuse' sachets and **Tristel** 'Jet' gel. Follow the product documentation for concentration guidelines and instructions for use.

### Tristel Codes:

FUS/SUR/FRA (Fragranced) 1 x 40 sachets

FUS/SUR/UNF (Unfragranced) 1 x 40 sachets

JET/head 1 x JET Trigger Head

JET/PACK/FRAG 1 x refill pack fragranced

JET/PACK/UNF 1 x refill pack unfragranced

### NHS Supply Chain Codes:

FAL649 (Fuse for Surfaces Fragranced)

FAL650 (Fuse for Surfaces Unfragranced)

FAL688 1 x Jet Trigger Head

FAL696 1 x refill pack fragranced

FAL697 1 x refill pack unfragranced

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Sidhil also recommend the use of Chlor-clean tablets. Follow the product documentation instructions for concentration guidelines and instructions for use.

Refer to the Sidhil infection control policy, copies are available from Sidhil Ltd. Contact details can be found on the back of this booklet.

## 7.2 Steam Cleaning

The Innov8 Low bed can be dry steam cleaned. The individual manufacturer's instructions should be followed when using a steam cleaner and the following precautions observed:

- Avoid directing steam directly at electrical components and reduce steam pressure when cleaning near electrical items and connections.
- Use soft brushes and wiper cloths as recommended by the steam cleaner manufacturer.
- Do not use high pressure hoses on the bed as they could cause damage to electrical components.
- Do not use excessive force or steam pressure on labels.
- Ensure the bed is dry and all debris from the cleaning process has been removed prior to re-use.
- Ensure all electrical functions operate as normal once the bed has been cleaned and dried.

### Warning



Always disconnect the bed from the main power supply prior to cleaning.

## 8. MAINTENANCE

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Only authorised service personnel or Sidhil service engineers should carry out repairs or service activities. For Service & Support outside the UK & Northern Ireland please contact the local distribution company from where this equipment was purchased. Failure to do so may result in the manufacturer's warranty becoming void. **The bed must be serviced at least once yearly, as a minimum.** Sidhil also recommends the carer performs frequent visual and operational inspections. If there are any signs of damage, or if the bed is not performing as it should, withdraw it from service until repaired and determined 'fit for use'.

Periodically check to ensure that:

- The bed operates as per its intended purpose.
- All parts are present and free from damage.
- All fixtures and fittings are tight.
- The frame is mechanically sound, no signs of cracked paint.
- No parts show signs of excessive wear.
- The bed is cleaned following the guidelines in these instructions for use.

### Warning



- Always disconnect the bed from the main power supply prior to performing any maintenance procedures.
- No modification of this equipment is allowed.
- The bed should be vacated by the patient before any maintenance or inspection takes place. If this is not possible due to the patient's mobility, care should be taken for the service engineer not to make contact with the patient when working on electrical items.

## 8.1 Fault Finding

Listed below are a set of electrical faults that may occur within the service life of the bed. If a fault does occur please try the following suggestions, as these may help in diagnosing the fault.

Fault	Possible Cause	Remedy
Electrical function(s) do not work	Functions locked out on NCP	Unlock function(s)
	Mains lead not plugged into the control box or wall and the battery is flat	Check to see if the mains power indicator on the NCP is lit and the mains lead is plugged in at both ends
	Fuse has blown in the mains plug	Check to see if the mains power indicator on the NCP is illuminated, if not replace fuse
	Actuator/handset leads not plugged in	Check plug connections
	Damage to mains cable, actuator cable or handset cables	Turn off at the mains and contact the approved service engineer
	-	Reset System (see section 8.2)
Electrical functions working slowly	Mains lead not plugged into the control box and working off battery backup	Check that the mains lead is fully located into the control box and the mains power indicator on the NCP is illuminated
	Bed is in ultra low position and has slowed to alert carer	Drive the platform upwards. The platform will travel upwards at full speed
	Heavy load on the bed	-
The bed will not level	The electrical system has become out of sync	Reset the electrical system as stated below

## 8.2 Resetting / Initialising the Electrical System

Very occasionally the bed may need to be reset. To reset the bed:



- Ensure there are no locked out functions on the NCP.
- Press and hold both hi/low buttons on the patient handset together.
- An audible alarm will be heard for approximately 5 seconds.
- When the alarm stops sounding release the buttons and drive the bed up to its maximum height.
- When at maximum height re-press the up button again (to ensure both actuators are at maximum height).
- The bed is now reset and will work correctly.



### 8.3 General Maintenance

Sidhil recommend that the following maintenance procedure is performed every 12 months.

- Check that all electrical functions operate correctly on both handsets.
- Check all parts are present.
- Check the frame is mechanically sound with no sign of cracked paint.
- Check all welds are present and show no cracks or signs of failure.
- Check that all electrical cables are in good condition.
- Check the electrical component housings are not cracked or damaged.
- Check that the bed works correctly when run off battery back up.
- Check that the mains cable and plug are in good condition, if either is damaged it must be replaced with a complete assembly, the plug must never be re-wired.
- Check that all nuts, bolts and fasteners are tight and that none are missing or incomplete.
- Check the manual CPR mechanism works correctly.
- Check the bed extension extends and retracts correctly and locks/disengages in both positions.
- Check the leg extension extends correctly and locks in the retracted position.
- Put the castor pedal into the brake position (see page 12). Push the bed with a reasonable amount of force; ensure the bed does not move.
- Put the castor pedal into the steer position (see page 12). Push the bed and check that the bed runs straight.
- Raise and lower the safety side rails. Check that they move smoothly.
- Check that the lock on the safety side rails automatically engages when raised.

For more detailed service information please refer to the service manual. Copies are available from Sidhil Ltd. Contact details can be found on the back of this booklet or at [www.sidhil.com](http://www.sidhil.com)

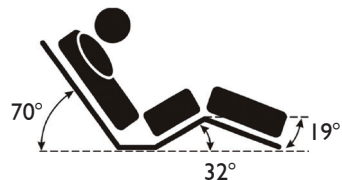
International: For Service & Support outside the UK & Northern Ireland please contact the local distribution company from where this equipment was purchased.

## 9. SPECIFICATION

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### 9.1 Bed Data

Overall length	2180mm
Integral length extension	200mm
Overall width	1020mm
Mattress platform height (100mm double castors)	225mm – 710mm
Under bed clearance	120mm (platform at 400mm)
Mattress platform length	2000mm
Mattress platform width	900mm
Head down tilt	0 - 12°
Foot down tilt	0 - 12°
Mattress platform angles (max):	



Safe working load	<b>255kgs (40 stone)</b>
Maximum user weight	<b>190kgs (30 stone)</b>
Product weight (Including bed ends and mattress platform panels)	130kgs
Mattress sizes:	

Length: 2000mm maximum  
Width: 864mm recommended (880mm maximum)  
Thickness: see page 14

## 9.2 Electrical Data

Voltage in:	230V ± 10%, ~50/60Hz.
Current in:	1,25A
Mains cable fuse:	3-5A

*Duty cycle	10%
	<b>2 mins</b> of continuous use followed by <b>18 mins</b> not in use.

\*Electrically operated beds are intended to be operated intermittently rather than continuously. If the bed is operated continuously for up to 2 minutes it must then be left for at least 18 minutes before re-use to allow the electrical system to cool sufficiently. **If the bed is continuously used for an extended period of time and it exceeds the duty cycle the control box may become temporarily disabled or irreparably damaged.**

Safety standards	BS EN 60601-1: 2006 BS EN 60601-2-52: 2010
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EMC	BS EN 60601-1-2:2002
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The Innov8 Low Bed is compliant to the requirements of 60601-1-2: 2007, the RF emissions are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is possible.

Qualified users of the Innov8 Low Bed can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters). If the Innov8 Low Bed or any alternative equipment is found to be operating abnormally mitigation measures are to be taken, such as the separation distances being increased and/or the products being re-orientated.

Electrical shock prevention:



Liquid ingress protection IPX4

Battery backup 2 x 12V sealed rechargeable lead/acid batteries

The electrical system is only suitable for use when:

Ambient temperature	+5° to +40°C
Humidity	20% - 90% at 30°C

## 10. ACCESSORIES

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A full range of accessories, including mattresses, are available from Sidhil Ltd.

Lifting pole	INNOV8/LP
IV pole	INNOV8/DP
Traction – balkan beam	INNOV8/TBB
Traction – foot end	INNOV8/TFE
Cantilever side rails (standard)	INNOV8/LOW/SR
Cantilever side rails (high)	INNOV8/LOW/HSR
Night pack	INNOV8/LOW/NP
Mattresses	Various*

\* For further information regarding suitable mattresses please contact Sidhil customer services. Contact details can be found on the back of this booklet.

## 11. WARRANTY

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Sidhil Ltd guarantees this product is free from defects in material and workmanship under normal use for 3 years (1 year full parts and labour, 2 further years parts only) from the date of purchase from Sidhil Ltd, its subsidiary companies, authorised dealers and international distributors. Proof of purchase must be presented with any claim. Except as provided herein, Sidhil Ltd, product warranty does not cover damage caused by misuse or abuse, accident, the attachment of any unauthorised accessory, alteration to the product, or any other conditions whatsoever that are beyond the control of Sidhil Ltd. Sidhil Ltd, its subsidiary companies, authorised dealers and international distributors shall have no liability or responsibility to customers or any other person or entity with respect to any liability, loss or damage caused directly or indirectly by use or performance of the product or arising out of any breach of this warranty, including but not limited to any damages resulting from inconvenience, loss of time, property, revenue, or profit or any indirect, special, incidental or consequential damages, even if Sidhil Ltd, its subsidiary companies, authorised dealers or international distributors have been advised of the possibility of such damages.

In the event of a product defect during the warranty period you should contact your supplier, whether it be Sidhil Ltd, its subsidiary companies, authorised dealers or international distributors who will at their option unless otherwise provided by law; a) correct the defect by product repair without charge for parts and labour b) replace the product with one of the same or similar design or c) refund the purchase price. All replaced parts and products on which a refund is made become the property of Sidhil Ltd. New or reconditioned parts and products may be used in the performance of the warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover; a) damage or failure by or attributes to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alterations, lightning or other incidence of excess voltage or current, b) any repairs other than those provided by a Sidhil Ltd authorised technician, c) consumables such as fuses, d) cosmetic damage, e) transportation, shipping or insurance costs or f) costs of product removal, installation setup service adjustment or re-installation.

This limited 3 year warranty gives you specific legal rights and you may also have other rights.

Sidhil Ltd cannot be held responsible for any injury or incident which relates to the use of the Innov8 Bed range in conjunction with accessories manufactured by companies other than Sidhil Ltd.

All products carry the CE mark in accordance with EC Directive on Medical Devices (93/42/EEC).

Sidhil has a policy of continual product improvement and reserves the right to amend specifications covered in this brochure.

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CONTACT INFORMATION

Tel: +44 (0) 1422 233000 Fax: +44 (0) 01422 233010

Email: [sales@sidhil.com](mailto:sales@sidhil.com) [www.sidhil.com](http://www.sidhil.com)

Sidhil Business Park, Holmfield, Halifax, HX2 9TN

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