

Innov8 iQ General Ward Bed

Instructions for use

1. INTRODUCTION	
2. CONTACT INFORMATION	
3. PRODUCT DESCRIPTION	
3.1 Environment	
3.2 Intended Patient Group	6
3.3 Intended Use	
3.4 Indications	
3.5 Product Overview	
3.6 Features	
4. SAFETY	8
4.1 Warnings & Cautions	8
4.2 Risk Assessment	8
4.3 Contraindications	
4.4 Bed Loading	
4.5 Training	9
4.6 General Warnings	10
5. TRANSPORT & STORAGE	
6. SYMBOL DEFINITION	
7. PARTS IDENTIFICATION	
8. INSTALLATION & PREPARING FOR USE	16
9. OPERATION OF THE BED	
9.1 Operational Limits	
9.2 General Safety	18
9.3 Brake & Steering System	19
9.4 Moving the Bed	20
9.4.1 Manually Moving the Bed	20
9.4.2 Using a Bed Mover	20 21
9.5 Side Rails & Mattresses	······································
9.6 Side Rail Safety	
9.7 Operating the Side Rails	<u>~~</u> 23
9.7.1 Cantilever Side Rails	
9.7.2 Split Side Rails	
9.8 Bed Extension	······
9.9 Emergency CPR Function - Manual	<u>20</u> 28
9.10 Bed Ends	<u>20</u> 20
9.11 Operation of the X-ray Backrest (Where Fitted)	30
9.11.1 X-ray Backrest Parts Overview	30
9.11.2 Cassette Specification	<u>30</u>
9.11.3 X-ray Area	
9.11.4 Cassette Tray & Mechanism Operation	
9.12 Mattress Panels 9.13 150mm Diameter Castors (where fitted)	
914 Dynamic Mattroscos	
9.14 Dynamic Mattresses	35
9.15 Electrical Operation of the Bed	

9.15.1 Carer Handset	36
9.15.2 Operating the Carer Handset	
9.15.3 Function Lockout	
9.15.4 Platform Height	. 39
9.15.5 Backrest	
9.15.6 Leg Section	
9.15.7 Auto Contour	43
9.15.8 Tilt	43
9.15.9 Cardiac Chair	44
9.15.10 Electrical CPR	44
9.15.11 Mains Power Indicator	45
9.15.12 Battery Indicator	45
9.16 Patient Handset	46
10. ADDITIONAL FEATURES	
10.1 Angle Indicators	47
10.2 Linen Shelf	47
10.3 Patient Handset Locator	
10.3.1 Cantilever Side Rails	48
10.3.2 Split Side Rails	48
10.4 Accessory Cable Clips	49
10.5 Equipotential Stud/Mounting Location	49
10.6 Catheter Bag Hooks	50
10.7 Corner Sockets	
11. DECONTAMINATION	
11.1 Cleaning & Disinfection Guidelines	
11.2 Steam Cleaning	52
12. MAINTENANCE	
12.1 General Inspection	53
12.2 Fault Finding	54
12.3 General Maintenance	<u>55</u>
13. DISPOSAL OF PARTS & ENVIRONMENTAL CONSIDERATIONS	
14. ELECTROMAGNETIC COMPATIBILITY (EMC)	
15. SPECIFICATION	
15.1 Bed Specification	59
15.2 Performance Characteristics	
16. ACCESSORIES	
16.1 Mattress / Side Rail Compatibility Chart	
17. WARRANTY	
18. NOTES	

1. INTRODUCTION

Thank you for purchasing a Drive DeVilbiss Healthcare Innov8 iQ general ward bed. For safety reasons it is imperative that these instructions are read and fully understood before the bed is used for the first time. For assistance in setting up, using or maintaining your bed or to report unexpected operation refer to the contact details found in section 2. This user manual is intended to be read by professional users only, not lay persons/patients.

2. CONTACT INFORMATION

For assistance in setting up, using, maintaining your bed, to report unexpected operation or for any service, warranty, sales or customer service information regarding this product, please contact your provider or if in doubt contact Drive DeVilbiss Healthcare Ltd. at the following address:

Drive DeVilbiss Healthcare Ltd. Sidhil Business Park, Holmfield, Halifax, West Yorkshire, HX2 9TN, UK

If a serious incident occurs in relation to the product, reports should be forwarded to Drive DeVilbiss Healthcare Ltd and the local competent authority. Please quote the product serial number on all correspondence.

Service & Maintenance: Tel: +44 (0)1422 233136 Fax: +44 (0)1422 233010

Tel: +44 (0)845 0600 333 Fax: +44 (0)845 0600 334

Customer Service:

Spares: Tel: +44 (0)1422 233136 Fax: +44 (0)1422 233010

info@drivedevilbiss.co.uk www.drivedevilbiss.co.uk

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 product warranty becoming void.

3.1 Environment

The Innov8 iQ bed is intended for use in a hospital where acute/intensive care is provided and medical supervision and monitoring is required.

3.2 Intended Patient Group

The bed frame is intended for an adult who is up to 190kg in weight. A lower (or upper) age limit is not defined as it depends on the physical size of the patient in relation to the various proportions and gaps around the bed frame. Patients must be in excess of 146cm in height ranging up to 205cm (bed extended) and have a BMI greater than 17.

The bed frame is intended to support a single adult.

3.3 Intended Use

The intended use of the bed is to support the weight of the patient, as defined in section 3.2, whilst sleeping or resting and to assist the end user to gain and/ or maintain a suitable position.

3.4 Indications

To assist in the care and/or comfort of the patient or care provider when the bed is used in the environments specified in section 3.1.

3.5 Product Overview

The Innov8 iQ bed is intended to be plugged into a permanent mains supply however it also has a battery backup system for such times that a mains supply is not available. The bed has two separate handsets, one for the carer with full control capability and one for the patient with limited functionality and limited height adjustment. The carer has the ability to lock out individual functions to reduce the risk of accidental operation.

The handsets operate an electronic linear actuator system which is controlled via a central control box. The actuators are attached to the moving parts of the bed frame allowing the bed to be operated via the use of either handset.

The powder coated platform supports the full electrical system, five removable plastic platform panels, two plastic bed end boards and a set of side rails to provide patient protection; the bed has a safe working load of 255kg. The bed is manoeuvrable via the aid of four linked castors attached to the base frame of the bed which in turn is attached to the platform frame via two lift arms.

3.6 Features

- Electrically operated height, backrest and leg section adjustment.
- Auto regressing backrest.
- Electrically operated head and foot down tilt (Trendelenburg & reverse Trendelenburg).
- iQ Contour simultaneous adjustment of the backrest and knee-break.
- Cardiac chair position.
- Battery backup.
- Patient handset and carer handset with integral function lockout.
- Under bed lights.
- Removable head and foot ends.
- Removable mattress platform panels.
- Mattress platform extension.
- Backrest and tilt angle indicators.
- Linen shelf
- Castor system with brake, free and tracking modes.
- Movable catheter bag hooks
- 150mm diameter castors available (where fitted)

4.1 Warnings & Cautions



Warnings in this user manual highlight potential hazards that if disregarded could lead to injury or death.



Cautions in this user manual highlight potential hazards that if disregarded could lead to equipment damage or failure.

4.2 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 adults (and children).
- Patients who lack capacity.
- Very active patients.
- Unauthorised people.
- Use of side rails and other accessories.



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

4.3 Contraindications

Patient conditions for which the use of the bed is a contraindication are as follows:

- Cervical or skeletal traction if bed functions remain unlocked.
- Unstable spinal fractures if bed functions remain unlocked.
- General skeletal fractures if relevant bed functions remain unlocked.
- Mental capacity not sufficient to operate handset functions safely if bed functions remain unlocked.
- Confused, agitated or restless if side rails fitted and/or in raised position.
- Exceeds maximum patient weight of bed.
- Less than 146cm in length.
- Less than 40kg in weight.
- BMI less than 17.

Other contraindications may be relevant which are specific to the patient or care environment.

4.4 Bed Loading

• The safe working load of the bed is:

255kg (40 stone) 190kg (30 stone)

• The maximum patient weight of the bed is:

Safe Working Load is the sum of:

- Patient mass
- Mattress mass
- Accessories mass
- Mass supported by the accessories (excluding patient mass)



The maximum loads shown above are for the bed to be occupied by one person 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 overturn, causing injury.

4.5 Training

All users of this bed are to be suitably trained prior to use and patients are to be familiarised with handset and bed functionality at the earliest opportunity. It is the responsibility of the end user to ensure they have received sufficient training to use the bed and any associated accessories safely and correctly. For further information in regards to training options please contact Drive DeVilbiss Healthcare Ltd. or your local provider (see section 2).

4.6 General Warnings

- The bed is to be installed and put into service in accordance with the information provided in these instructions for use.
- The bed is typically not suitable for child use, if it is to be used for child occupancy ensure a risk assessment has been undertaken, taking into account the proportions of the child and dimensions of the bed frame.
- The bed is designed for occupants who are 146cm or longer in length; if a person shorter than this length is put on the bed a full and detailed patient specific risk assessment must be carried out, taking the proportions of the bed frame and side rails into particular consideration.
- The bed is not suitable for occupants who weigh less than 40kg — if in doubt, please contact your provider or Drive DeVilbiss Healthcare Ltd. for further advice.
- The bed is not suitable for occupants who have a BMI less than 17 — if in doubt, please contact your provider or Drive DeVilbiss Healthcare Ltd. for further advice.
- A risk assessment must be performed by a health professional prior to the use of the bed, when determining the bed suitability for young patients and patients with low weight.
- Misused electrical equipment can be hazardous.
- Accessories that have not been approved or designed for use with the bed are not be used.
- Modification of the bed frame is not allowed without the permission of Drive DeVilbiss Healthcare Ltd.
- The bed is not be used in the presence of flammable gasses or used in oxygen-rich environments.
- The bed is not be used in an operating theatre.
- If children or adults who lack capacity pose a potential risk of intentional or unintentional tampering with the bed, its suitability for use is to be considered during the initial patient / product risk assessment.
- The RF emissions from the electrical system are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is possible (see section 14 for further detail).



The following conditions should be followed when transporting and storing the Innov8 iQ bed. Note, this does not apply to the transfer of the bed between wards and / or when the bed is in use (see section 9.4).

- Bed set to lowest height.
- Bed always to be stored on a flat and level floor.
- Platform extension retracted.
- Brakes applied.
- All profiling sections secured (transport only).
- All functions locked out.
- Covered to protect from fluid ingress, dirt, dust etc.
- Instructions for use retained with bed.
- Environmental conditions for transport and storage:

Ambient temperature:	-10°C to +50°C
Relative humidity:	20% - 90% at 30°C - not condensing
Atmospheric pressure:	80kPa to 106kPa (altitude ≤ 2000m)

- To prevent the risk of cross infection, when removing a bed from use ensure that all activities in relation to the bed and its ancillary parts are carried out using disposable gloves and that they are then discarded appropriately, unless it can be verified that the bed and the ancillary parts have been suitably cleaned and disinfected prior to collection.
- Prior to putting into storage ensure the bed has been cleaned and disinfected in line with the local infection control policy and / or as defined in section 11 of these instructions for use.



Warning

- Beds must not be stored one on top of another or on their side.
- Care is to be taken when pushing the bed over thresholds.
- Do not use the side rails to move the bed Risk of product damage.

The following symbols are found on this bed: (See section 9.15 for handset symbols)

Symbol	Description
	Warning Beware of pote

ing re of potential hazard



Caution Beware of potential product damage



Refer to instructions for use - Recommended Failure to read the instructions for use could introduce a hazard



Refer to instructions for use - Mandatory Failure to read the instructions for use could introduce a hazard



Maximum patient weight Refer to section 4.4



Safe working load Refer to section 4.4



Mattress suitability Refer to section 16



Dynamic mattress strapping suitability Refer to section 16



Low height warning

Symbol

Description

Refer to section 10

Minimum patient weight

Minimum patient BMI

Minimum patient height

Equipotential stud/stud mounting location





BMI≥ 17





Type B applied part



Lot number



Product code



Medical Device



Date of manufacture

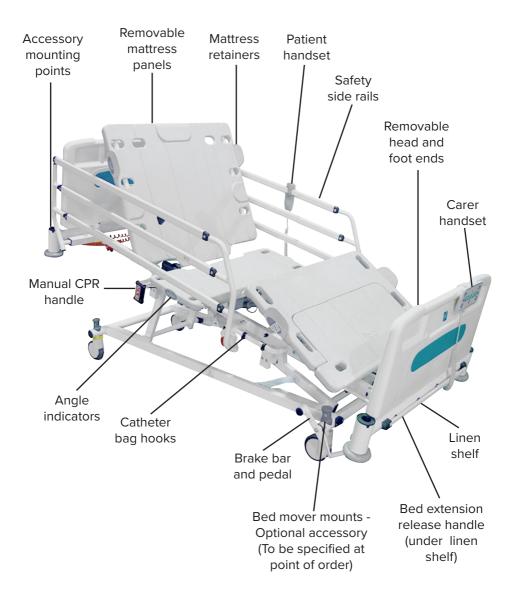


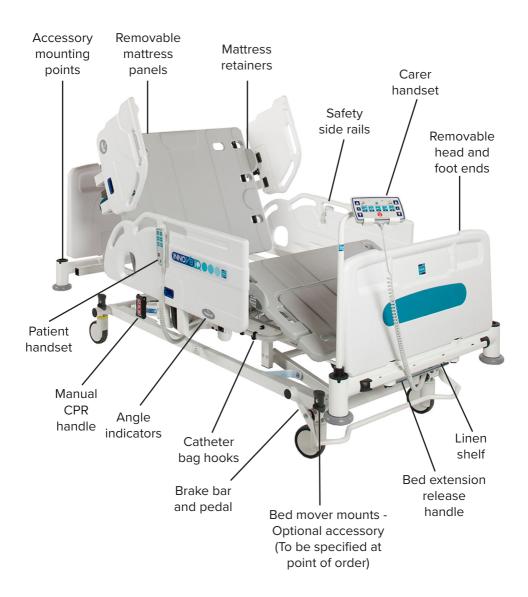
Manufacturer



W.E.E.ELabel — Found on individual parts of electrical system (Waste Electrical and Electronic Equipment) Refer to section 13



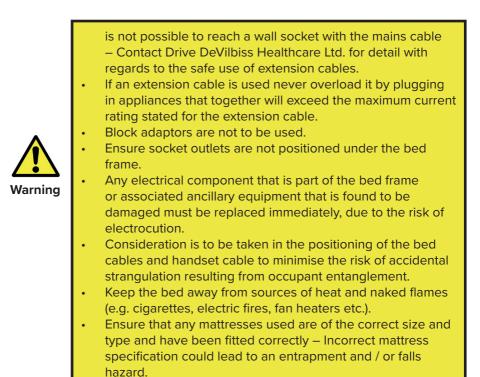




Prior to operating the bed for the first time the following simple steps must be performed:

- Ensure the wooden packing boards are removed from the bed prior to connecting to the mains supply See section 13 for disposal of the packing boards.
- Ensure the bed and all accessories are at room temperature.
- Ensure the bed has been cleaned and disinfected (see section 11).
- Ensure the brakes have been applied (see section 9.3).
- Connect the mains cable to an appropriate mains socket outlet.
- With the bed plugged into the mains supply allow it to remain inactive for 6hrs. This is to allow the bed frame and electronic system to adjust to the environmental conditions of the room.
 - The bed is to be left in its lowest position when the patient is unattended in order to reduce the risk of injury due to a fall.
 - Before operating the bed ensure the patient is positioned appropriately ensuring all limbs are clear of moving parts.
 - The mains plug is the disconnect device for the means of isolating the bed from the mains supply, the plug must be accessible at all times.
 - Ensure the mains cable is plugged into an appropriate power source at all times.
 - To avoid the risk of an electric shock, this equipment must only be connected to a supply mains with protective earth.
 - Ensure the electrical cables are not in tension, paying particular attention to the mains cable.
 - Ensure that all cables are clear of all moving parts to prevent damage to the electrical components.
 - Inappropriate handling/positioning of the mains cable could cause kinking or shearing of the cable which may lead to exposed live wires, creating an increased risk of electrocution.
 - Precautions are to be taken when routing cables from external equipment around the bed to ensure that they do not become squeezed, trapped or damaged. When applicable use the accessory cable clips (see section 10.4).
 - A CE marked extension cable must only be used when it





• Ensure the mattress is compatible with the side rails (if fitted).



- Special care is to be taken when fitting a dynamic mattress to the bed as incorrect fitting could damage the bed (see section 9.12).
- 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).

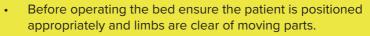
17

9.1 Operational Limits

- Ambient temperature:
- Humidity:
- Atmospheric pressure:

+5°C to +40°C 20% - 90% at 30°C - not condensing 80kPa to 106kPa (altitude ≤ 2000m)

9.2 General Safety





When a patient is left unattended the carer is to determine whether the bed should be set to the minimum height allowed by the patient handset (420mm) or lowered to minimum height using the carer handset (340mm).

- When a patient is left unattended the carer is to determine whether the side rails need to be raised or not.
- When a patient is left unattended the carer is to determine whether the patient handset functions need to be locked out or not.



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 minimum height with the carer handset.

9.3 Brake & Steering System

The brake bar at the foot end of the bed operates all four castors simultaneously.



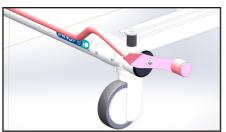
Brake bar down (brake):

All four castors are locked - The bed cannot move.



Brake bar horizontal (free):

All castors swivel freely - the bed can move in any direction.



Brake bar up (track):

The head end castors are set in a specific "tracking" position - the bed travels in a straight line.



Brake Position Label:

The label on the base also indicates which setting the castors are set to; the brake bar will align with one of the three coloured circles depending on its setting.

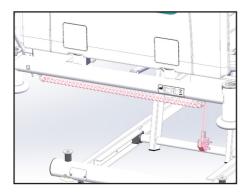


The brake must always be engaged when the bed is stationary.

9.4 Moving the Bed

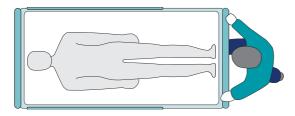
Before moving the bed the following checks must be performed:

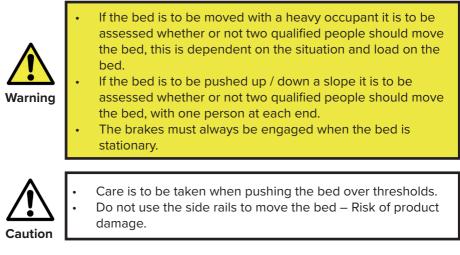
- Side rails are to be raised, to minimise the risk of a patient falling.
- The platform is to be horizontal.
- The platform is set to a suitable height for pushing.
- The mains cable must be unplugged from the wall and stored on the cable tidy hooks on the back of the bed.



9.4.1 Manually Moving the Bed

When moving the bed it is advisable to set the steering function to 'track' and to push 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.





9.4.2 Using a Bed Mover

When fitted as an option the bed is suited to being moved with a variety of bed movers.

For bed movers that clamp to the base chassis dedicated mounts are located at both ends of the bed.

When a bed mover is being used to move the bed the brake bar must be set to the 'free' position to allow free movement of the castors.





- Prior to using a bed mover to move patients suitable compatibility with the bed is to be confirmed.
- The connection between the bed mover and bed must be in accordance with the operating instructions of the bed mover and must be regularly checked for integrity.

9.5 Side Rails & Mattresses

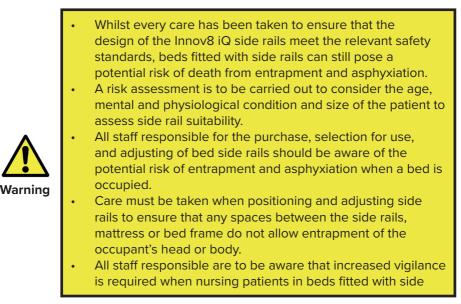
The Innov8 iQ can be specified with cantilever side rails (high & low), or split side rails; this is to provide the optimum mattress / side rail combination for both foam and air mattresses of varying thickness. When specifying a mattress and side rail combination a clinical assessment of the patient's needs must be carried out in line with the local policy.



- Side rails must only be used with a mattress of the correct size and type that is approved for use with the Innov8 iQ bed — incorrect mattress specification can lead to an entrapment and / or falls hazard.
- The Innov8 iQ bed fitted with 150mm diameter castors is not suitable for use with split side rails — potential risk of entrapment.

9.6 Side Rail Safety

The side rails available for the Innov8 iQ are product specific, no other side rail is to be used with the bed. Drive DeVilbiss Healthcare does not recommend the use of the Innov8 iQ side rails (and bed) when caring for individuals who are less than 146cm in length, due to the potential risk of entrapment - It is the equipment provider's responsibility to ensure suitability for use.



Warning

rails.

- Side rails are not designed to act as restraints for patients.
- When side rails are to be used as a moving and positioning aid a risk assessment is to be performed to assess the suitability of the patient using the side rail as such.
- If forces beyond those expected during normal use are inflicted on the side rail permanent deformation could occur, increasing the risk of patient entrapment.



The Innov8 iQ bed fitted with 150mm diameter castors is not suitable for use with split side rails — risk of product damage.

9.7 Operating the Side Rails

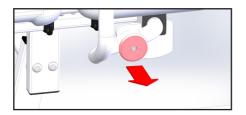


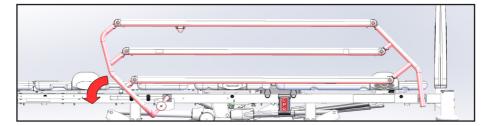
When operating the side rails ensure they are free from obstructions, to prevent injury/entrapment.

9.7.1 Cantilever Side Rails

To Lower:

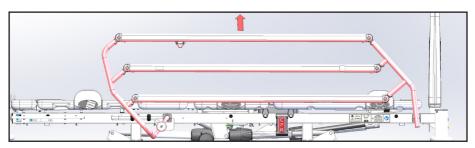
Hold the top rail and pull out the release plunger. Gently lower the side rail towards the foot end of the bed.





To Raise:

Hold the top rail and lift the side rail until a click is heard, indicating that the side rail has locked into position.





Ensure the side rail release plunger is fully engaged when the side rails are in the raised position.



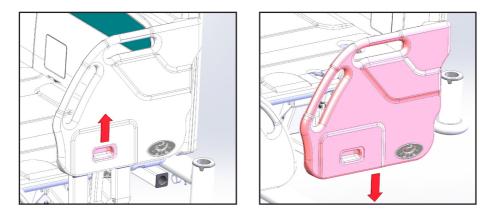
When lowering, do not drop the side rail — risk of product damage.

9.7.2 Split Side Rails

The head section of the split side rails are attached to the backrest, this section of the side rail will move when the bed is profiled.

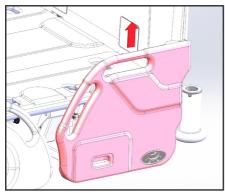
To lower:

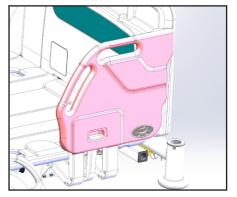
Lift the release handle to its highest extent to disengage, then allow the rail to arc out and down under its own weight. The mechanism when released will allow a slow and controlled decent of the side rail.



To Raise:

Lift the rail upwards using one of the top apertures. Once the rail has been lifted to its highest extent a click will be heard, indicating that the rail is locked into position.







Do not hold the bottom of the side rail panel whilst raising the side rail - Risk of finger entrapment.



Do not force the side rail down when lowering - Risk of damage occurring to the gas damper.

9.8 Bed Extension

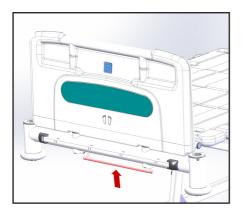
The bed has an integral bed extension which allows the bed to be adjusted in length, according to the patient's needs. The length extension is typically for patients who exceed 185cm in length and gives the bed compatibility with patients up to 205cm.

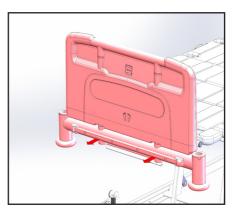


The length extension is only used for those individuals who require it due to their physical height requirements, it is not to be kept in the extended position as the default for all occupants. A patient risk assessment must be performed to assess the need for the extension.

To extend the bed:

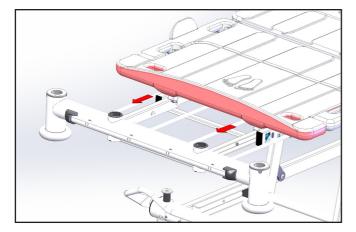
- If the bed is in tilt the platform must be levelled first (see section 9.15.9).
- Locate the release bar under the large round tube at the foot end of the bed. Using one or both hands lift the bar to disengage the lock mechanism.
- Whilst lifting the bar, pull out the mattress platform extension to its maximum extent.





• Let go of the release bar to lock the mattress platform extension in position.

- Grip the leg extension with both hands under the end of the plastic panel, this may be made easier by first removing the vertical bed end.
- Pull out the leg extension to its maximum extent.



• If previously removed replace the bed end.

To retract the bed extension:

- Push the leg extension in until it butts up to the plastic calf panel.
- Using one or both hands lift the release bar to disengage the platform extension's lock mechanism.
- Push the mattress platform extension fully in.
- Let go of the release bar to lock the mattress platform extension in position.



- Always fit a mattress extension block when the platform is extended.
- Always ensure the extension is locked in position, both in the extended and retracted states.

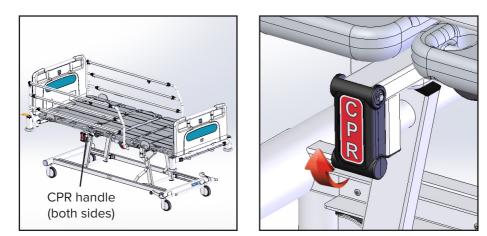


Never pull the leg extension out without the mattress platform extension pulled out – Risk of product damage.

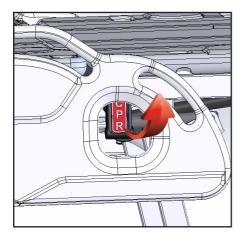
9.9 Emergency CPR Function - Manual

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 and black handles outwards; the backrest will now drop into a flattened state.



If the split side rail is fitted and in the down position the CPR handle can be accessed through the open aperture.



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 (see section 9.15.10)



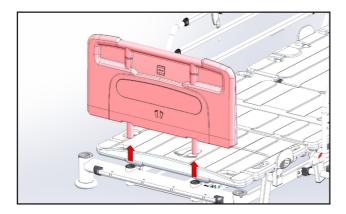
The backrest may fall quickly, ensure that limbs and equipment are clear.



Do not use the CPR handle as the default method for lowering the backrest – Risk of product damage.

9.10 Bed Ends

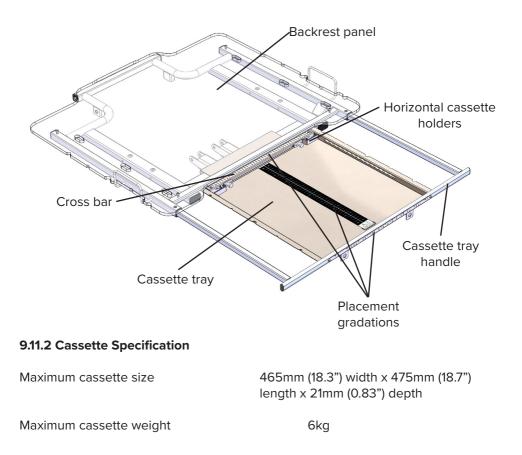
The bed has plastic end panels which are easily removable, allowing for fast patient access. To remove, hold the panel with both hands and lift squarely.



The head and foot end panels are of different heights, the foot panel is shorter and can be identified by the small foot motif on one side of the panel and must always be placed at the foot end of the bed.

9.11 Operation of the X-ray Backrest (Where Fitted)

9.11.1 X-ray Backrest Parts Overview

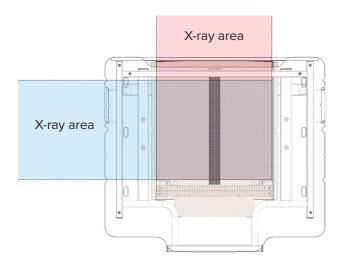




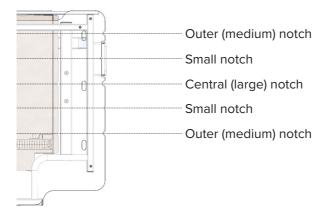
Using an oversize/overweight cassette could result in equipment damage or failure.

9.11.3 X-ray Area

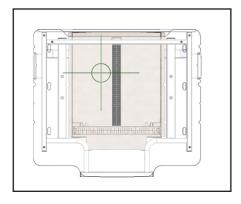
The usable area is denoted by the markings to the top and bottom of the cassette tray, back panel, and to the left/right end of the cassette tray handle (the last gradation).



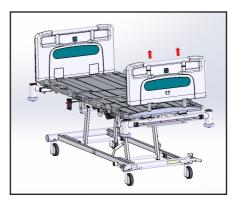
Notches on both the cassette tray and backrest panel line up when the tray is in its inward position. These vary in size to denote the position, as shown below (notches are present on both sides of the backrest):



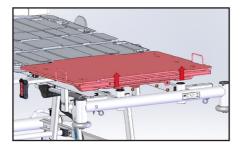
9.11.4 Cassette Tray & Mechanism Operation



Before fitting an x-ray cassette, make note of the appropriate position using markings on the backrest panel and handle.

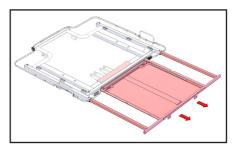


Prior to fitting the cassette, remove the headboard by lifting vertically upwards.



Using the patient/carer handset, raise the angle of the backrest to 5° to allow for the full and free movement of the cassette tray mechanism.

Please note, if the cassette is to be fitted with the patient in the bed, a risk assessment should be carried out on a patient by patient basis to determine whether there is any risk in raising the backrest.

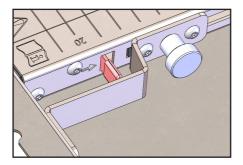


With the backrest raised enough to clear the framework pull the cassette tray out using the handle at the top of the backrest, the tray will click into place when in the fully out position.

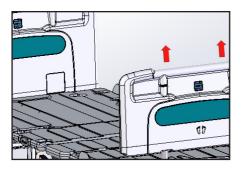


Do not pull the cassette drawer out with the backrest at an angle of less than 5° - Risk of product damage.

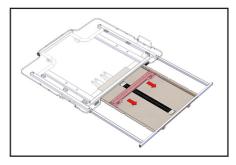
Do not raise or lower the backrest when the tray is in its outwards position - Risk of product damage.



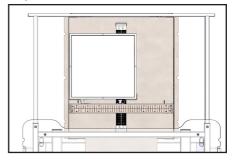
To adjust the cassette holder position, unlatch the cross bar by pushing the two levers (on both sides of the cross bar) inwards toward the centre.



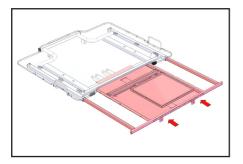
The two horizontal cassette holders can be moved independently along the width of the cross bar. To move the cassette holders, pull the knob outwards and slide to the left/right as required.



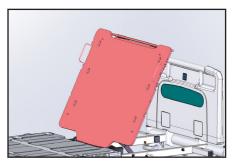
Hold the levers in the unlatched position to allow the cross bar to move freely up and down the cassette tray. Align the bottom of the horizontal cassette holders to the bottom of where the cassette is required.



To ensure the desired x-ray area is covered by the cassette when in position, use the gradations on the handle, cassette tray label, cassette tray cross bar, notches in the side of the cassette and the gradations on the handle.



The cassette tray can now be pushed into its inward position.



With the tray in its inward position the bed end can be replaced (if needed) and the backrest moved to any angle required.

9.12 150mm Diameter Castors (where fitted)

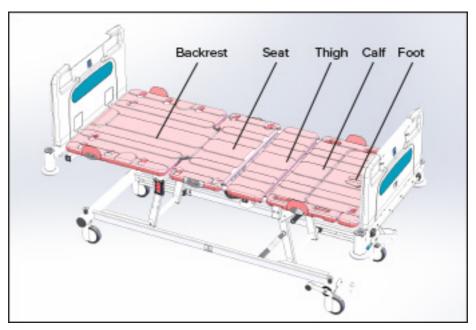
The Innov8 iQ bed is available with 150mm diameter fitted castors, causing the height of the bed at its lowest position to increase by 25mm - platform at 365mm (see 15.1).

It is to be noted that this variant is not suitable for use with split side rails as there is a potential risk of entrapment.

9.13 Mattress Panels

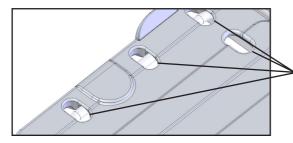
The mattress panels are held onto the tubular frame of the bed with loose fitting clips. A light force should be used to fit and remove the panels.

The panels only fit in one orientation and position, if difficulty is had in fitting ensure the panel in question is correctly orientated and located.



9.14 Dynamic Mattresses

The mattress panels are designed with holes around the outside of the bed to accommodate a range of dynamic mattress straps.

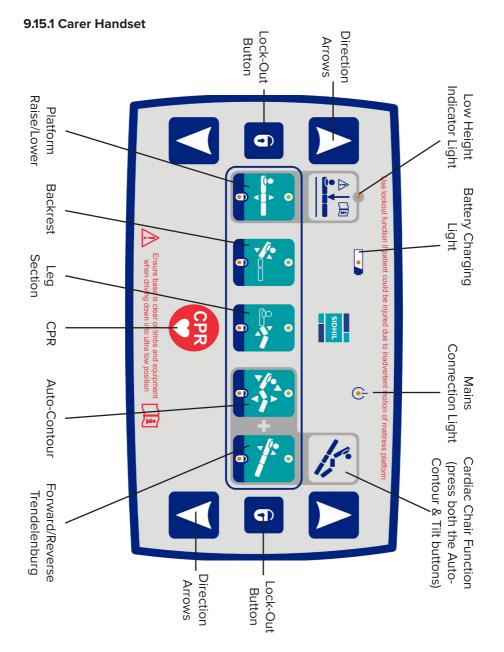


Dynamic mattress strapping points (on backrest panel)



It is essential that dynamic mattress straps are only attached to the moving parts of the profiling mattress platform. If the straps are incorrectly fitted around the main frame of the mattress platform serious damage could occur to various components of the bed. If in doubt contact your provider or Drive DeVilbiss Healthcare Ltd.

9.15 Electrical Operation of the Bed





- The carer handset controls all bed functionality; it is to be used only by the carer. The carer handset is intended to be stored at the foot end of the bed by clipping it over the bed end panel, keeping it out of reach of the bed occupant.
- Engage the lockout function if a patient could be injured due to inadvertent motion of the mattress platform.
- Before lowering the bed ensure nobody is in close proximity to the underside of the bed frame Risk of crushing.
- Before profiling the platform ensure limbs are clear of the side rails Risk of injury.



- If the bed is continuously used for an extended period of time and it exceeds the duty cycle the control box and/or lift actuators may become temporarily disabled or irreparably damaged. If this occurs remove the power supply from the wall and allow system to rest for 20-30 minutes before attempting to re-operate.
- Ensure equipment and objects are clear of the base before lowering Risk of product damage.

9.15.2 Operating the Carer Handset

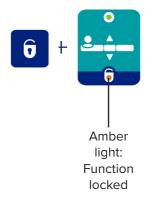


To activate a function, press the desired function button. A green light will illuminate at the top of the function button, this indicates the function is now active.

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

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.

9.15.3 Function Lockout



To lockout a function one of the padlock symbols must be pressed simultaneously with the function needing to be locked. 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.

When a function is locked out on the carer handset, the patient handset will have the corresponding function locked out.



Lockout all relevant functions if a patient could be injured due to inadvertent motion of the mattress platform.

9.15.4 Platform Height



Amber light: Bed in low zone



The platform height button allows adjustment of the mattress platform height.

The carer handset can be used to lower the mattress platform to a lower height than can be achieved using the patient handset.

When the bed reaches a height of 420mm, a single auditory signal will sound and the platform speed will slow to signify to the carer that the bed is being operated in the low height region and care should be taken to ensure that no equipment is placed under the bed.

In addition to the audible alarm and the difference in speed, an amber LED is activated on the carer handset to further highlight to the carer that the bed is moving into a potentially dangerous zone and increased vigilance is required.

Note: For patient safety, the patient handset is only able to lower the bed to a height of 420mm. The patient is able to operate functions in the low zone; however the ability to lower is disabled when the platform is positioned 420mm or below.

Platform Height - Beds Fitted with Split Side Rails

In addition to the above, beds that are fitted with split side rails (produced from October 2018 onwards) will stop at 380mm to reduce the risk of entrapment.

The bed can be lowered below 380mm, which should only be carried out by authorised personnel, ensuring that the area surrounding the bed is completely clear of objects or feet. The bed is lowered to absolute minimum height by activating the platform height function, and then pressing and holding the down-direction-arrow for 5 seconds. Following the 5 second delay the platform will lower slowly whilst sounding a repeated auditory signal. The amber light on the carer handset will continue to show that the bed is being operated in a potentially dangerous zone for which increased vigilance is required.



- Before lowering the bed ensure nobody is in close proximity to the underside of the bed frame, especially when travelling below 420mm – Risk of crushing.
- To reduce the risk of injury due to falls it is advised that the bed is left in its lowest position when the patient is unattended.



If the bed is to be used with a hoist, ensure that the clearance under the bed is sufficient when the bed is in the low zone; there is a risk of collision if the hoist has legs that are designed to pass under the bed which are higher than 75mm.

9.15.5 Backrest



The backrest button on the carer handset allows adjustment of the backrest angle.

The backrest is fitted with a ratchet actuator which will cause the mechanism to stop lowering if an obstruction is detected under the mechanism.



Ensure limbs and equipment are kept free from the space under the backrest before lowering – Risk of crushing.

9.15.6 Leg Section



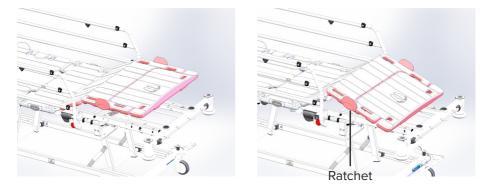
The leg section button on the carer handset allows adjustment of the leg section. When the function on the handset is operated the height or angle of the section is adjusted, depending on whether or not the leg section ratchet is set.

In normal use the leg section operates in angle adjustment mode where the thigh and calf sections angle upwards as the function is operated, as depicted by the graphic on the button. However the operation of the leg section is dependent on the position of the ratchet and can be set so that the calf section rises parallel to the platform.

Setting the bed so that leg section height adjustment operates:

- Press the leg section button on the carer handset and raise to maximum height.
- Lift the leg section manually so that the ratchet engages (once engaged the leg section will be supported by the ratchet).
- The calf section will now lift as the function is driven up.

Note, once the leg section has been fully lowered the leg section will default back to angle adjustment only. Alternatively, lift the leg section to its maximum extent and then lower, this disengages the ratchet and returns the leg section to angle adjustment only.





To remove the risk of injury, before attempting to lift the calf section either:

- Ensure there is no load on the section, or
- Support the calf section with a second able bodied person.



The leg section is only to be used for the lifting of a patient's legs – Any other use may damage the bed frame.

9.15.7 Auto Contour

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



For improved comfort and safety of the patient the Innov8 iQ incorporates a feature called 'iQ Contour', where skin shear is reduced during profiling. To reduce the risk of the patient sliding down the bed when the backrest is lowering the leg section lowers in small steps in order to maintain the position of the patient on the mattress.

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

9.15.8 Tilt



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

When in tilt, in order to level the bed the opposite direction button is pressed and held until the bed stops, the platform will now be level.

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

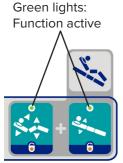


Never leave a patient unattended when the bed is in head down tilt (Trendelenburg).



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

9.15.9 Cardiac Chair



The bed can be automatically profiled into a cardiac chair position, where the platform is automatically profiled into the auto contour and foot down tilt positions together. This allows for a comfortable seated position for the patient whilst remaining in the bed.

When the auto contour and tilt buttons are pressed within 5 seconds of each other the cardiac chair function is activated, allowing the platform to be profiled using the raise button.

9.15.10 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 maximum height, allowing the carer to stop it at any point that is suitable to perform CPR. Regardless of position the backrest always lowers first, so that it is flat in the quickest possible time.



Pressing the CPR function overrides all locked out functions and is only to be used in emergency situations, so as to avoid operating a previously locked out function.

Note: The mechanical CPR function will flatten the backrest quicker than the electrical CPR, but it will not level the platform or lower the leg section.

9.15.11 Mains Power Indicator



The carer handset has an amber mains power light in the upper right corner. When illuminated it signifies that the bed is plugged in and operating on mains power. If it is not illuminated the bed is either unplugged or has a fault.

- Warning
- The mains plug is the disconnect device for the means of isolating the bed from the mains supply, the plug must be accessible at all times.
- Ensure the mains cable is plugged into an appropriate power source at all times.
- To avoid the risk of an electric shock, this equipment must only be connected to a supply mains with protective earth.

9.15.12 Battery Indicator

The carer handset has a battery light that shows when the battery is charging. Note, the light does not indicate when the bed is being run off battery power or of the remaining battery charge.

When the battery charge is low an audible indicator will sound whenever a function is operated, the bed should be plugged into a mains supply as soon as is practical.



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- 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.
- Allowing the battery to discharge fully may impair performance or shorten its usable life.

9.16 Patient Handset



Ensure a risk assessment is undertaken to ensure the suitability of the occupant or a visitor using the patient handset.

- The patient handset cable must also be considered in regards to the risk of accidental strangulation of the bed occupant – If the cable introduces an unacceptable risk it is recommended that the handset and cable are moved out of reach.
- Patient handset relocation should only be carried out by authorised service personnel or Drive DeVilbiss Healthcare service engineers.

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 patient handset can be relocated to the opposite side of the bed using the available cable clip provided. When rerouting the cable please ensure that any slack is taken up and that it is positioned to avoid trapping or pulling as the bed is raised or lowered.

The mattress platform height can only be adjusted between 420mm and 750mm using the patient handset, to reduce the risk of crushing or colliding with equipment underneath the bedframe. If the bed is to be lowered below the minimum patient operating height it must be done so by the carer, using the carer handset.

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

Backrest angle	
Platform height (420mm - 750mm)	2 i
Auto contour (backrest and leg section profiled together)	<u> </u>
Under bed light: When pressed it operates a light on both sides of the platform, providing a small pool	
of light either side of the bed for	

the convenience of the bed user.

If the mattress platform is in a tilted position the patient is able to level the platform using the platform height function. If this is not desired, the carer must lock out the tilt function on the carer handset in order for the bed to remain at a set angle.

Note: If functions have been locked out on the carer handset the same functions will be locked out on the patient handset.

If the patient is in doubt on the operation of the device, or to report unexpected operation, consult a healthcare professional

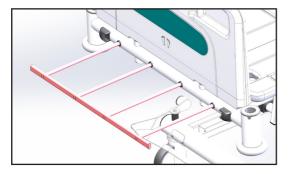
10.1 Angle Indicators

In order to facilitate the optimum positioning of the bed for patient comfort and recovery, the Innov8 iQ is fitted with two types of indicators on both sides of the bed to show the backrest angle and the platform tilt angle.



Note: The backrest angle indicator is not available with the x-ray backrest fitted unless supplied in conjunction with the split side rails.

10.2 Linen Shelf



The linen shelf is intended to support bed linen during bed making and stripping activities. Extend the linen shelf by holding the central bar and pulling out to its maximum extent.

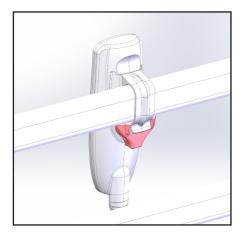
Store the linen shelf by pushing the shelf back into the bed where it will be held by the two plastic bumpers.

The linen shelf is designed to support a maximum weight of 20kg.



Ensure the linen shelf is stowed correctly after use as damage to it could occur when the bed is tilted.

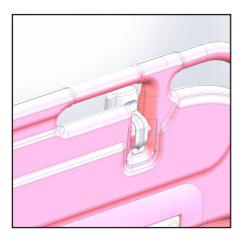
10.3 Patient Handset Locator



10.3.1 Cantilever Side Rails

The folding cantilever side rails are fitted with a handset locator that is to be used to hold the patient handset in position – this allows the side rails to be raised and lowered with the reduced risk of the handset slipping off.

It is recommended that the handset is orientated so that it always faces away from the bed when not in use.

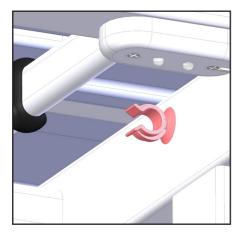


10.3.2 Split Side Rails

The handset can be fitted to both seat section side rails to create an integrated feature.

It is recommended that the handset is oriented so that it always faces away from the bed when not in use.

10.4 Accessory Cable Clips



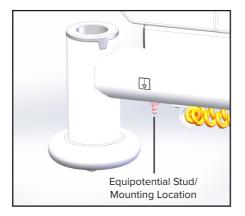
Cable clips are provided to enable routing of accessory cables. The clips are located down each side of the mattress platform, 5 clips per side.



Ensure that all cables are clear of all moving parts to prevent damage to the electrical components.

Precautions are to be taken when routing cables from external equipment around the bed to ensure that they do not become squeezed, trapped or damaged.

10.5 Equipotential Stud/Mounting Location

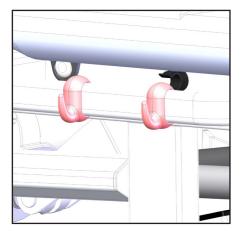


The Innov8 iQ can be specified to include an equipotential stud at point of order. This can reduce the risk of static or electrical discharge between two pieces of electrical equipment. In certain situations the electrical potential of all unprotected metal parts must be equalised. If the bed is not connected to the mains, resulting in a grounded connection being unavailable, an equipotential cable (using 2 POAG-KBT6DIN connectors) must be connected to the studs between the bed and relevant device. Please contact the Drive DeVilbiss Healthcare customer service team for details of the necessary cable and equipotential stud.



Only items that have been inspected by a trained electrical professional, and under their advice, should be connected to the Innov8 iQ.

10.6 Catheter Bag Hooks



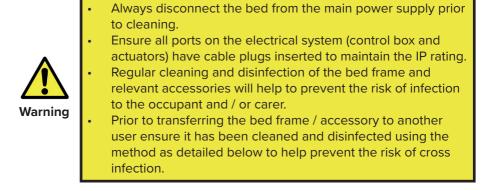
There is one rail on each side of the bed which is fitted with plastic catheter bag clips. These can be removed and fitted to alternate rails if required by grasping the clip from underneath and bending it slightly to disengage from the rail. The clip can then be fastened onto an alternate rail.

10.7 Corner Sockets

The corner sockets are intended to fit various Drive DeVilbiss Healthcare accessories - IV pole, lifting pole, oxygen cylinder carrier and traction frames (please refer to the individual instructions for use in reference to fitting).



When the lifting pole is fitted to the bed frame the head board must be in place at all times to provide it with necessary support.



11.1 Cleaning & Disinfection Guidelines

Infection control and routine cleaning must be carried out in accordance with your local Infection control policy or regulatory body.

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.

General Cleaning:

- 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.
- Wipe down with a clean cloth moistened with a mild detergent and diluted in warm water (40°C).
- Rinse with cold clean water and a clean cloth and allow to fully dry before use.

Decontamination:

- Mop up any fluid with paper towels.
- Wipe bed down using cold clean water.
- Wipe down with a 0.1% Chlorine solution (1,000ppm) in cold water.
- Rinse with cold clean water and a clean cloth and allow to fully dry before use. Always ensure the cleaned parts are allowed to dry before putting the mattress back in place.

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

If any of the stages stated are omitted or combined it will reduce the effectiveness of the clean.



The use of neat bleach or similar surface cleaners are not recommended as damage may be caused to the cleaned surfaces.

11.2 Steam Cleaning

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

- Avoid pointing 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 reuse.
- Ensure all electrical functions operate as normal once the bed has been cleaned and dried.

12.1 General Inspection

Drive DeVilbiss Healthcare recommends that the carer performs frequent visual and operational inspections. If there are any signs of damage or the bed is not performing as it should withdraw it from service until the bed has been repaired and is fit for use again.

Periodically check to ensure that:

- The bed operates as per its intended purpose.
- All parts are present.
- All fixtures and fittings are tight.
- The frame is mechanically sound, with no cracking around welds.
- No parts show signs of excessive wear.
- The electrical components display no sign of damage If so turn off at mains and remove bed from use immediately.
- The bed is cleaned following the guidelines in these instructions for use.

12.2 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	Functions locked out on carer handset	Unlock function(s) (see section 9.15.3)	
not work	Mains lead not plugged into the control box or wall and battery flat	Check to see if the mains power indicator on the carer handset is lit and the mains lead is plugged in at both ends	
	Battery not plugged into control box	Check to see if the cable between the battery and control box is fitted correctly	
	Fuse has blown in the mains plug	Check to see if the mains power indicator on the carer handset is illuminated, if not replace fuse	
	Actuator / handset cables 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 supplier	
	Unidentified fault	Reset / initialise system (to be conducted by approved service supplier only)	
Electrical functions working slowly	Mains cable not plugged into the control box and working off battery backup	located into the control box and the	
	Bed is in 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	No corrective action required – check that the load on the bed does not exceed the safe working load.	
The bed will not level	The electrical system has become out of sync	Reset / initialise system (to be conducted by approved service supplier only)	
Audible signal sounding	Running off battery backup	Check to see if the mains power indicator on the handset is lit and the mains lead is plugged in at both ends	
	'Other' fault alarm	Turn off at the mains and contact the approved service engineer	

12.3 General Maintenance

Only authorised service personnel or Drive DeVilbiss Healthcare 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 once yearly, as a minimum.**

- Always disconnect the bed from the main power supply prior to performing any maintenance procedures (where viable).
- Modification of the bed frame is not allowed without the permission of Drive DeVilbiss Healthcare Ltd.
- 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.
- Only Drive DeVilbiss Healthcare approved components, specified for the Innov8 iQ bed, should be used — if in doubt, contact Drive DeVilbiss Healthcare Ltd. or your local distributor.
- Linak battery packs may emit an increased amount of flammable gas as they age – risk of explosion / fire. Drive DeVilbiss Healthcare advise that batteries are replaced every 4 years or sooner.
- Never attempt to re-wire any components.
- Check that all electrical functions operate correctly on both handsets.
- Check that all electrical components and cables are in good condition If not turn off at the mains and remove bed from use until replacement parts are available.
- Check the retaining clip is fastened to the control box, securing the electrical cables in place.
- Check that the bed works correctly when run off battery backup.
- Check that all nuts, bolts and fasteners are tight and that none are missing or incomplete.
- Check all parts are present.
- Check the manual CPR mechanism works correctly.
- Check the platform extension extends and retracts correctly and locks /



disengages in both positions.

- Check the leg extension extends and retracts correctly.
- Check that the leg section height adjustment setting works correctly.
- Check that the frame is mechanically sound: no cracking at welds, bending of tubes etc.
- Raise and lower the safety sides. Check that they move smoothly.
- Check that the lock on the safety sides automatically engages when raised.
- If any gaps appear to be outside of specification remove the bed from use until the dimension of the gap in question has been confirmed.
- Check the castors lock, track and swivel correctly.
- Where split side rails are fitted check that when released the side rail panels (head & seat section) drop in a damped motion, slowly and smoothly.

If in doubt about correct replacement of a component, contact Drive DeVilbiss Healthcare Ltd. or your local distributor. Refer to the service manual for cable routing diagrams, parts codes / lists, maintenance instructions etc. Copies are available from Drive DeVilbiss Healthcare Ltd. (see section 2).

13. DISPOSAL OF PARTS & ENVIRONMENTAL CONSIDERATIONS

When the bed is unpacked for the first time the wooden packing boards are to be returned to the original provider or Drive DeVilbiss Healthcare Ltd. (see section 2) who will reuse the packaging where possible or if not viable will dispose of the parts in an environmentally responsible manner. If the parts are not returned it is the responsibility of the customer to follow local recycling policy in regards to the disposal of wood.

When the bed frame, any associated accessories and / or the electrical system has come to the end of its useful life, follow local recycling and W.E.E.E (Waste Electrical and Electronic Equipment) policies – for further information contact Drive DeVilbiss Healthcare Ltd. (see section 2).

The electrical system on the bed frame is not to be disposed of in general municipal waste. Some of the electrical components could be harmful to the environment and where viable the components can be recovered and reused / recycled.

The steel and plastic components are also to be separated and disposed of following the local recycling policy as these can also be recovered and recycled.



The bed and any associated accessories are to be decontaminated before disposal to avoid risk of cross contamination.

14. ELECTROMAGNETIC COMPATIBILITY (EMC)

The bed's electrical system has been designed to meet the EMC requirements of EN 60601-1-2 however it may still be affected by or emit harmful radio frequency (RF) energy. The RF emissions from the electrical system are very low and are not likely to cause any interference to nearby electronic equipment, however interference to sensitive equipment is still possible. Likewise if the immunity limits of the electrical system are exceeded the system may be seen to operate abnormally.

If the bed or any alternative equipment is found to be operating abnormally turn off the piece of equipment that is believed to be causing the interference (if possible) to identify the source of the RF energy. Once identified mitigation measures are to be taken, such as the separation distances being increased and/or the device(s) being re-orientated.

The bed is to be installed and put into service according to the information provided within this section to ensure of reliable operation, however if the bed continues to operate abnormally turn off at the mains supply and contact Drive DeVilbiss Healthcare Ltd. or your local distributor (see section 2).

For specific emissions and immunity information relating to the bed, please contact Drive DeVilbiss Healthcare Ltd or your local distributor (see section 2).

• The bed frame should not be used adjacent to or stacked with other equipment where possible, if adjacent or stacked use is necessary the bed should be observed to verify normal electrical operation in the configuration in which it is to be used.

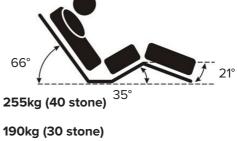


- Use of accessories and cables other than those specified or provided by Drive DeVilbiss Healthcare could result in increased electromagnetic emissions or decreased electromagnetic immunity of the bed and result in improper operation.
- Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm to any part of the bed (including its cables), otherwise a degradation in performance could result.

15. SPECIFICATION

15.1 Bed Specification

Overall length:	2280mm
Integral length extension:	200mm
Overall width:	1030mm
Mattress platform height:	340mm – 750mm 365mm – 375mm (150mm castors variant)
Under bed clearance: With 150mm castors variant:	150mm (platform at 420mm) 80mm (platform at 340mm) 175mm (platform at 445mm) 105mm (platform at 365mm)
Mattress platform length:	2000mm
Mattress platform width:	880mm
Head / Foot down tilt:	± 0 - 13°
Mattress platform angles (max):	



Safe working load:

Maximum patient weight:

Patient height

Total product weight:

130kg – With standard side rails 134kg – With high side rails 146kg – With split side rails

The x-ray backrest, where fitted, will add 11.5kg to the product weights stated above.

146cm - 205cm

Application environment:	1 and 2
Shock and vibration:	To be used on a flat level floor
UV:	Intended for indoor use only

15.2 Performance Characteristics

Voltage in:	230V ±10%, ~50/60Hz.
Current in:	2A
Mains cable fuse:	3 - 10A

Energy consumption in standby mode: 0.0025kWh Energy consumption at maximum load: 0.27kWh

Duty cycle*: 10% 2 mins of continuous use followed by 18 mins 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 reuse 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 damage.

Safety standards:	EN 60601-1 EN 60601-1-2 EN 60601-2-52
Electrical shock protection:	Class I, 🗙 (Type B)
Applied parts:	Mattress platform Profiling sections Bed ends Carer & patient handsets
	15) (4

Liquid ingress protection: IPX4

Environmental conditions:

	Operational Limits** Transportation/Storage Lin		
Ambient Temperature	+5°C to 40°C -10°C to +50°C		
Humidity	20% - 90% at 30°C - not condensing		
Atmospheric Pressure	80kPa to 106kPa		
Altitude	≤2000m		
Pollution	Degree 2		

Expected service life:

10 years***

** Always ensure the bed is brought up/down to room temperature before operating.

*** The service life of the bed and its components are dependent on it being serviced and maintained in accordance with the information in section 12 of these instructions.

16. ACCESSORIES

A full range of accessories, including approved mattresses, are available from Drive DeVilbiss Healthcare Ltd.

- Lifting pole
- IV pole
- Oxygen cylinder carrier
- Traction Balkan beam
- Traction foot end
- Carer handset holder
- Side rail pads (standard side rails)
- Side rail pads (high side rails)
- Split side rail infill pads

INNOV8/LP INNOV8/RANGE/DP INNOV8/RANGE/OC TRACT/BB/KIT TRACT/FE/KIT INNOV8/RANGE/HSH IQ/SR/PAD IQ/HSR/PAD IQ/SSR/FIXED/PANELS

Characteristics of the accessories can be found in the relevant instructions for use.

The beds have been tested and approved with the following mattresses:

		Length	Width	Thickness	Density
Foam Mattresses & Extensions					
MAT10BE	MAT10BE	1990mm	900mm	127mm	28-32kg/m ³
MAT20BE	MAT20BE	1990mm	900mm	152mm	31-34kg/m ³
Softrest	MAT/SOFT	1990mm	880mm	152mm	34-38kg/m ³
Softrest Contour	MAT/SOFT/CON	1990mm	880mm	152mm	34-38kg/m ³
Permaftex ST	MAT/SOFT/PERM	1990mm	880mm	152mm	28-32kg/m ³
Softrest VE	MAT/SOFT/VE	1990mm	880mm	152mm	47-53kg/m ³
Memaflex	MAT/ACCL/MF	1990mm	880mm	152mm	56-62kg/m ³
Permaflex HSF	MAT/ACCL/PERM/ HSF	1990mm	880mm	152mm	37-41kg/m ³
Permaflex Plus	MAT/ACCL/PERM/ PLUS	1990mm	880mm	152mm	37-41kg/m ³
Acclaim VE	MAT/ACCL/VE/W	1990mm	880mm	152mm	47-53kg/m ³
Acclaim VE White	MAT/ACCL/VE/W/ WHITE	1990mm	880mm	152mm	47-53kg/m ³
Air-Layer	MAT/ACCL/AIR/VE	1990mm	880mm	152mm	56-62kg/m ³
Acclaim VE Extension	MAT/ACCL/VE/EX	180mm	880mm	152mm	53-57kg/m ³

Softrest Extension	MAT/SOFT/EX	180mm	880mm	152mm	34-38kg/m ³
Softrest Extension with securing straps	MAT/SOFT/EX/ STRAPS	180mm	880mm	152mm	35-37kg/m ³
Dynamic Mattresses					
Atlas	DYN/DIG/ATLAS	2200mm	885mm	200mm	-
Apollo	DYN/DIG/APOLLO	2000mm	880mm	200mm	-
Artemis	DYN/DIG/ARTEMIS	2000mm	880mm	200mm	-
Athena	DYN/DIG/ATHENA	2000mm	900mm	250mm	-
Trio II	DYN/DIG/TRIO/2	2000mm	880mm	270mm	-
SoloXtra	DYN/DIG/SOLO/ XTR	2000mm	880mm	160mm	-
Hybrid Mattresses	Hybrid Mattresses				
Acclaim Flow	MAT/ACCL/FLOW	1990mm	880mm	152mm	-

Other Drive DeVilbiss Healthcare mattresses available upon request – Contact your provider or Drive DeVilbiss Healthcare Ltd. to check for compatibility and suitability purposes.

rails are lowered.



components of the bed. If in doubt contact your provider or Drive DeVilbiss Healthcare Ltd.
Ensure a dynamic mattress control box is not positioned on the bed's side rail — risk of control unit falling off when side

It is essential that dynamic mattress straps are only attached to the moving parts of the profiling mattress platform. If the straps are incorrectly fitted around the main frame of the mattress platform, serious damage could occur to various

• The Innov8 iQ bed fitted with 150mm diameter castors is not suitable for use with the split side rails — risk of product damage.

16.1 Mattress / Side Rail Compatibility Chart

		Innov8 iQ with standard cantilever side rails	Innov8 iQ with high cantilever side rails	Innov8 iQ with split side rails		
Foam Mattresses &	Foam Mattresses & Extensions					
MAT10BE	MAT10BE	~	\checkmark	\checkmark		
MAT20BE	MAT20BE	\checkmark	\checkmark	\checkmark		
Softrest	MAT/SOFT	\checkmark	\checkmark	\checkmark		
Softrest Contour	MAT/SOFT/CON	\checkmark	\checkmark	\checkmark		
Permaftex ST	MAT/SOFT/PERM	\checkmark	\checkmark	\checkmark		
Softrest VE	MAT/SOFT/VE	\checkmark	\checkmark	\checkmark		
Memaflex	MAT/ACCL/MF	\checkmark	\checkmark	\checkmark		
Permaflex HSF	MAT/ACCL/PERM/HSF	\checkmark	\checkmark	~		
Permaflex Plus	MAT/ACCL/PERM/PLUS	\checkmark	\checkmark	\checkmark		
Acclaim VE	MAT/ACCL/VE/W	~	\checkmark	~		
Acclaim VE White	MAT/ACCL/VE/W/WHITE	\checkmark	\checkmark	~		
Air-Layer	MAT/ACCL/AIR/VE	\checkmark	\checkmark	~		
Acclaim VE Extension	MAT/ACCL/VE/EX	\checkmark	\checkmark	\checkmark		
Softrest Extension	MAT/SOFT/EX	\checkmark	\checkmark	\checkmark		
Softrest Extension with securing straps	MAT/SOFT/EX/STRAPS	\checkmark	\checkmark	~		
Dynamic Mattresse	S					
Atlas	DYN/DIG/ATLAS	-	\checkmark	_*		
Apollo	DYN/DIG/APOLLO	-	\checkmark	-*		
Artemis	DYN/DIG/ARTEMIS	-	\checkmark	-*		
Athena	DYN/DIG/ATHENA	-	\checkmark	-*		
Trio II	DYN/DIG/TRIO/2	-	\checkmark	-*		
SoloXtra	DYN/DIG/SOLO/XTR	-	\checkmark	-*		
Hybrid Mattresses						
Acclaim Flow	MAT/ACCL/FLOW	\checkmark	\checkmark	\checkmark		



- If the dynamic mattresses listed are used in conjunction with the split side rail, a patient risk assessment must be performed to ensure the gap between the top of the mattress and top of the side rail when raised is acceptable and will not introduce a hazard to the patient.
- Ensure the extension blocks listed are positioned centrally to the platform. If offset to one side a gap will be introduced between the extension block and the side rail (if positioned at the head end). A patient risk assessment must be performed to ensure an asphyxiation risk is not introduced.
- When using the bed with a dynamic mattress, the space introduced by cell compression at the mattress edge and the side rail (if fitted) is to be considered. A patient risk assessment must be performed to ensure an asphyxiation risk is not introduced by the patients face inadvertently sinking into the gap between the mattress and side rail.

Drive DeVilbiss Healthcare cannot be held responsible for any injury or incident which relates to the use of any product combinations not approved by Drive DeVilbiss Healthcare Ltd.

It is the carer's responsibility for selecting and fitting the products correctly and ensuring that the product combination is compatible.

17. WARRANTY

Drive DeVilbiss Healthcare 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 Drive DeVilbiss Healthcare Ltd. and its subsidiary companies or its authorised dealers. All implied warranties, including but not limited to those implied warranties of fitness and merchantability, are limited in the total duration of 3 years from date of purchase.

DRIVE DEVILBISS HEALTHCARE LTD. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, AND ALL IMPLIED WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT AND FITNESS FOR A PARTICULAR PURPOSE ARE HEREBY DISCLAIMED. IN NO EVENT WILL DRIVE DEVILBISS HEALTHCARE LTD. BE LIABLE FOR PUNITIVE, SPECIAL OR CONSEQUENTIAL DAMAGES, OR FOR AN AMOUNT IN EXCESS OF THE PURCHASE PRICE OF THE DEFECTIVE DRIVE DEVILBISS HEALTHCARE LTD. PRODUCT OR PRODUCTS.

Proof of purchase must be presented with any claim. Except as provided herein, this warranty will not apply to any Drive DeVilbiss Healthcare Ltd. products that have been (a) damaged by lightning, water, or power surges, (b) neglected, altered, abused, or used for a purpose other than the purpose for which they were designed, (c) repaired by you or any other party without Drive DeVilbiss Healthcare Ltd. prior written authorisation, (d) used in conjunction with a third party product or products not approved in advance by Drive DeVilbiss Healthcare Ltd., (e) damaged or failed by or attributes to acts of God, (f) damaged, caused by failure to follow instructions, or (g) otherwise used in a manner inconsistent with any instructions provided by Drive DeVilbiss Healthcare Ltd. The warranty explicitly exempts consumable items.

This warranty contains the entire agreement between you and Drive DeVilbiss Healthcare Ltd. with respect to any warranty matters, and supersedes any and all other written or oral statements, representations or agreements relating to the subject matter of this warranty.

In the event of a product defect during the warranty period you should contact your supplier, whether it be Drive DeVilbiss Healthcare 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 within the terms of the warranty 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 Drive DeVilbiss Healthcare Ltd. 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 limited 3 year warranty gives you specific legal rights and you may also have other rights.

Drive DeVilbiss Healthcare Ltd. cannot be held responsible for any injury or incident which relates to the use of this bed in conjunction with accessories manufactured by companies other than Drive DeVilbiss Healthcare Ltd.

Drive DeVilbiss Healthcare Ltd. has a policy of continual product improvement and reserves the right to amend specifications covered in this document.

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