S3 MedSurg Bed with StayPut Frame

Operations Manual

REF 3005

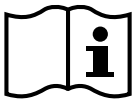
EN

3005-109-001 Rev AC.0 2025-07

Global symbol glossary

See the Global Symbol Glossary at ifu.stryker.com for symbol definitions.

Symbols

	Consult instructions for use
	General warning
	Caution
REF	Catalogue number
SN	Serial number
US Patents	For US Patents see www.stryker.com/patents
	Manufacturer
	Date of manufacture
UDI	Unique device identifier
QTY	Quantity
	Safe working load
	Dangerous voltage
	Alternating current
	Direct current
	Unit provides terminal for connection of a potential equalization conductor. The potential equalization conductor provides direct connection between the unit and potential equalization busbar of the electrical installation.
	Protective earth ground
IPX4	Protection from liquid splash

	Type B applied part
 87VL	Medical Equipment Classified by Underwriters Laboratories Inc. With Respect to Electric Shock, Fire, and Mechanical Hazards Only in Accordance with ANSI/AAMI ES60601-1: 2005 and CAN/CSA-C22.2 No. 60601-1:08.
	To indicate that separate collection for batteries is required per the European Union's Batteries and Waste Batteries Regulation (EU) 2023/1542. This symbol may be accompanied by the abbreviated designation of the battery material(s) used.
	In accordance with European Directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) as amended, this symbol indicates that the product should be collected separately for recycling. Do not dispose of as unsorted municipal waste. Contact local distributor for disposal information. Ensure infected equipment is decontaminated prior to recycling.
	Non-ionizing radiation
	Caution; electrostatic sensitive
	**iBed** Locator is connected
	**iBed** Locator is not connected
	Network is connected
	Network is not connected
	This device complies with Part 15 of the FCC rules

Table of Contents

Warning/Caution/Note Definition

The words **WARNING**, **CAUTION**, and **NOTE** carry special meanings and should be carefully reviewed.

WARNING

Alerts the reader about a situation which, if not avoided, could result in death or serious injury. It may also describe potential serious adverse reactions and safety hazards.

CAUTION

Alerts the reader of a potentially hazardous situation which, if not avoided, may result in minor or moderate injury to the user or patient or damage to the product or other property. This includes special care necessary for the safe and effective use of the device and the care necessary to avoid damage to a device that may occur as a result of use or misuse.

Note - Provides special information to make maintenance easier or important instructions clearer.

Summary of safety precautions

Always read and strictly follow the warnings and cautions listed on this page. Service only by qualified personnel.

WARNING

- Always plug the product directly into a grounded, hospital grade wall outlet. You can only achieve grounding reliability when you use a hospital grade wall outlet. This product is equipped with a hospital-grade plug for protection against electric shock hazard.
- Always use a Stryker supplied interface cable. Use of any other cable may cause the bed to not function as intended, which may result in patient or user injury.
- Always associate or map the **iBed** Locator to the room or location to provide accurate location information. If you move an **iBed** Locator after it has been installed and mapped, you must remap to the new room or location.
- Always apply the brakes when the patient is getting into or out of the product to avoid instability.
- Always apply the brakes when the patient is unattended.
- Do not apply the brakes to slow or stop the product while it is in motion.
- Always lock the siderails in the full up position with the sleep surface horizontal in the lowest position when you transport the product with a patient.
- Always unplug the power cord before you transport the product.
- Always release the brakes before you transport the product. Do not transport the product with the brakes applied.
- Do not transport the product laterally after you apply the **Steer-Lock** pedal. The product cannot swivel when you transport with **Steer-Lock**.
- Only use retractable traction or fracture frames. Failure to use a retractable frame may result in injury to the patient or damage the equipment.
- Always set the siderail position to make sure that the patient is safely in the product.
- Always lock the operator control panel and patient control panel when the patient is unattended.
- Always keep the siderails outside of the oxygen tent.
- Always use only hospital-grade electric equipment consuming 10A or less with the auxiliary power outlet option. The use of standard electric equipment may bring the current leakage to a level unacceptable for hospital equipment.
- Do not use the 110V auxiliary power outlet option for life sustaining equipment.
- Always lock the control panel when you leave the patient unattended.
- Always lock the patient control panel when the patient's condition requires extra safety measures.
- Do not use **Chaperone** Bed Exit to replace patient monitoring protocol. **Chaperone** Bed Exit is intended only to aid in the detection of a patient exiting the product.
- Do not use **Chaperone** Bed Exit with patients who weigh less than 50 lb (23 kg).
- Do not use the scale system reading as a reference for medical treatment. The scale system assists only in monitoring the patient’s weight variation.
- Do not set the scale to zero or weigh the patient when a support surface therapy is active. Motion from the support surface functions may affect the scale system performance.
- Do not use **iBed** Awareness to replace your patient monitoring protocol.
- Do not use **iBed** Awareness as a lock indicator for siderails. **iBed** Awareness only detects the position of the siderails.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.
- Always make sure that all persons and equipment are away from the area below and around the Fowler before you activate the CPR release. The CPR release is for emergency use only.
- Always follow hospital protocol to determine the use of restraint straps and restraint strap locations. Stryker is not responsible for the type or use of restraint straps on any Stryker product.
- Do not load the IV pole above the safe working load of 40 lb (18 kg).
- Always raise the siderails when the litter is in its full down position. This prevents the scale system from weighing a patient inaccurately.
- Always make sure that the siderails are locked before you arm **iBed** Awareness.

- Always make sure that you set the desired product parameters before you arm **iBed** Awareness.
- Do not use accessories that cover the footboard LED light bars.
- Do not clean, disinfect, service, or perform maintenance while the product is in use.
- Always unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the patient from the product, clean up the fluid, and inspect the product. Fluids can cause unpredictable operation and decreased functionality of any electrical product. Do not return the product to service until it is completely dry and you have tested for safe operation.
- Always clean hook and loop fasteners after each use. Saturate hook and loop fasteners with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon hook and loop fasteners should be determined by the hospital.
- Always wipe down with clean water (or 70% isopropyl alcohol, if using **Virex**® TB) and dry each product after disinfecting. Some disinfectants are corrosive in nature and may cause damage to the product. If you do not rinse and dry the product, you may leave a corrosive residue on the surface of the product. This corrosive residue could cause premature degradation of critical components. Failure to follow these disinfecting instructions may void your warranty.
- Do not use quaternary disinfectants formulated with glycol ethers.
- This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Introduction

This manual assists you with the operation or maintenance of your Stryker product. Read this manual before operating or maintaining this product. Set methods and procedures to educate and train your staff on the safe operation or maintenance of this product.

CAUTION

- Improper usage of the product can cause injury to the patient or operator. Operate the product only as described in this manual.
- Do not modify the product or any components of the product. Modifying the product can cause unpredictable operation resulting in injury to patient or operator. Modifying the product also voids its warranty.

Note

- This manual is a permanent part of the product and should remain with the product even if the product is sold.
- Stryker continually seeks advancements in product design and quality. This manual contains the most current product information available at the time of printing. There may be minor discrepancies between your product and this manual. If you have any questions, contact Stryker Customer Service or Technical Support at 1-800-327-0770.

Product description

The Stryker Model 3005 **S3** MedSurg bed has Fowler, Gatch, and lift articulation capabilities that aid in the adjustment of surface contour, angle, and height. The product offers various options outlined in the product operations manual, including but not limited to **iBed** Awareness, scale, 110 VAC option, IV pole, and defibrillator tray. **iBed** Awareness allows operators to set various bed parameters to monitor bed positioning. Alerts inform operators to patient movement within a specific zone on a patient surface. The product may be equipped with an integrated scale to weigh the patient in bed. The **iBed** Awareness and **Chaperone** Bed Exit systems provide both visual and audible alerts.

Intended use

The 3005 **S3** MedSurg bed is intended to support and transport patients within the Med/Surg and Critical Care hospital environments. The 3005 **S3** MedSurg bed is typically used in pre-op, post-op and recovery areas of hospital facilities. The intended user for this product is both healthcare providers (HCP), such as nurses, nurses' aides, medical doctors, and human patients. Lockout features may limit patient accessible controls. Use this product with a patient sleep surface. The scale output is not intended to be used to determine diagnosis or treatment.

The intended patient population for the 3005 **S3** MedSurg bed includes:

- Patients above 50 lb (22.7 kg) with a safe working load of 500 lb (227 kg)
- Patients at least 2 years of age
- Patients less than 84 in. (213.4 cm) without a bed extender or 96 in. (243.8 cm) with a bed extender

The product is not intended to support more than one individual at a time.

Indications for use for iBed Wireless

The intended use for **iBed** Wireless (with **iBed** Awareness system) is to assist clinical staff to monitor bed parameters on specific Stryker beds. The desired bed parameters are set by operators at the bedside. **iBed** Wireless is only intended for use with specifically enabled Stryker beds that have been verified and validated with **iBed** Wireless, and is not intended to provide bed status information for non-Stryker beds. **iBed** Wireless is not intended to communicate any patient status information, nor to permanently store any type of data. **iBed** Wireless with **iBed** Awareness system is not intended to provide automated treatment decisions or as a substitute for professional healthcare judgment. **iBed** Wireless with **iBed** Awareness system is not a replacement or substitute for vital signs monitoring or alert equipment. All patient medical diagnosis and treatment are to be performed under direct supervision and oversight of an appropriate healthcare professional.

Contraindications

None known.

Expected service life

The 3005 **S3** MedSurg bed has a ten year expected service life under normal use conditions and with appropriate periodic maintenance.

The motion/nurse call pendant option has a two year expected service life under normal use conditions.

The motion/nurse call/SmartTV pendant option has a two year expected service life under normal use conditions.

The **iBed** Wireless components option has a three year expected service life under normal use conditions.

Specifications

	Safe working load **Note** - Safe working load indicates the sum of the occupant and accessory weight	500 lb	227 kg
Product weight		570 lb	259 kg

Scale system capacity (optional equipment), loads weighing up to:			500 lb	227 kg
Scale system accuracy (optional equipment)			± 3 lb for patients weighing 50 to 100 lb ± 3% of the total patient weight for patients weighing 100 to 500 lb	
Overall length and width		Siderails up	95 in. x 41.5 in.	241.3 cm x 105.4 cm
		Siderails down	95 in. x 39.5 in.	241.3 cm x 100.3 cm
Patient sleep surface			84 in. x 35 in.	213.4 cm x 88.9 cm
Bed height to top of seat litter with 6” casters			16 in. to 30 in.	40.6 cm to 76.2 cm
Litter platform to top of siderail (full up)	Head end siderail		15 in.	38.1 cm
	Foot end siderail		15.5 in.	39.37 cm
Space between siderails (full up)			2.5 in.	5.72 cm
Gatch position			0° to 45°	
Fowler position			0° to 60°	
Trendelenburg and Reverse Trendelenburg			+10° to -10° ± 1°	
Electrical requirements - all electrical requirements meet UL 60601 specifications			120 VAC, 60 Hz, 8 A	
Outlet option			110 VAC, 60 Hz, 10 A	
Duty cycle			1 minute 45 seconds ON, 30 minutes OFF	

Compatible mattress							
Thickness		Width		Length		ILD	
6 in.	15.2 cm	>= 35 in.	>= 88.9 cm	>= 84 in.	>= 213.4 cm	80 lb	36.3

Note - These mattress specifications comply with HBSW and IEC specifications.

Stryker reserves the right to change specifications without notice.

Specifications listed are approximate and may vary slightly from product to product or by power supply fluctuations.

Environmental conditions	**Operation**	**Storage and transportation**
Ambient temperature	**104 ˚F (40 ˚C)** **50 ˚F (10 ˚C)**	**140 ˚F (60 ˚C)** **-22 ˚F (-30 ˚C)**
Relative humidity (non-condensing)	**75%** **30%**	**95%** **10%**
Atmospheric pressure	**1060 *hPa*** **700 *hPa***	**1060 *hPa*** **500 *hPa***

European battery specifications

In accordance with the European Community Batteries and Waste Batteries regulation, required battery information is included below.

Description	**Number**	**Quantity**	**Voltage**	**Capacity**
Alkaline battery	3000-303-871	1	9 VDC	0.6 Ah

System requirements and recommendations for iBed Wireless option

To implement **iBed** Wireless, follow these requirements for hardware, software, and communication, product specifications, required settings, and recommendations.

Note - If minimum system requirements are not met, system performance will be impacted.

iBed Server requirements for iBed Wireless option

The following tables describe the server hardware and software requirements for **iBed** Wireless:

Hardware requirements	
Capacity	**Requirement**
1-300 connected devices	2.x GHz processor or better with 4 cores Memory: 8 GB RAM Hard drive: 150 GB
301-600 connected devices	2.x GHz processor or better with 8 cores Memory: 16 GB RAM Hard drive: 150 GB
601-800 connected devices	2.x GHz processor or better with 16 cores Memory: 32 GB RAM Hard drive: 150 GB
801-1000 connected devices	2.x GHz processor or better with 24 cores Memory: 32 GB RAM Hard drive: 150 GB
1001-1300 connected devices	2.x GHz processor or better with 32 cores Memory: 64 GB RAM Hard drive: 150 GB
1300+ connected devices	Add additional core per 50 devices
Two server environments are recommended for the **iBed** Wireless: TEST and PROD	
The **iBed** Wireless is supported in either physical or virtual environments	

Software and setup requirements	
Operating system	Microsoft Windows Server 2008 R2 / 2012 R2
Server roles	Web server (IIS) Roles services - Application development • ASP.NET • ASP
Server features	.NET Framework 3.5.1
Other	All current Microsoft priority updates and update options .NET Framework 4.5

Security requirements	
Credentials	Administrator account on the server machine for installation and configuration
Remote access	Provide remote access to the **iBed** Server machines. For example, VPN, Citrix

Note - Backups of the system or a Disaster Recovery Plan is the responsibility of the customer.

iBed wireless client radio specifications

Manufacturer model	Silex SX-SDMAN-2830S
Chipset	AR6233X

IEEE 802.11	a/b/g/n
RF bands	2.4 GHz, 5 GHz
Encryption	AES and TKIP **Note** - TKIP is not supported with WPA2
Authentication	WPA Personal/Enterprise and WPA2 Personal/Enterprise
802.1X	PEAP-MSCHAPv2
Client certificates	Cannot accept or upload certificates
Supported data rates	802.11b/g: 1-54 Mbps 802.11a: 6-54 Mbps 802.11n: MCS 0-6
Channel plan	2.4 GHz: All Channels Supported 5 GHz: All Channels Supported **Note** - Recommend against using DFS and ISM Channels
Other	Leverage hospital SSID

Client device data usage

- The client uses 10-15 KB per connected device every 40 seconds.
- The client uses an additional 5-21 KB per device for each subscription that is created by a third-party vendor like Connexall, Capsule, Epic, and Cerner.

Note - Based on network conditions, device messages are typically sent in near real time or in up to five minutes while connected. This depends on device activity like applying the brakes, adjusting the rails, alarms, and how the third-party defines subscription times.

Customer network communication requirements for iBed Wireless option

LAN environment		
Client/server communication	IPv4 only	Not applicable
Client device IP allocation	Static	• If Static - Unique IP address will be required for each client MAC address
	DHCP	• If DHCP and not using a DNS name - Each client MAC address will need a reserved IP address • If DHCP and using a DNS name - It is required to create a unique name for each client MAC address for client management ◦ Stryker recommends using the Stryker client host name when the Stryker device connects to the wireless network - Example: SYK-00197b12365 so it may look like http://SYK-00197b12365.hosp.org
Server IP allocation	Static IP required	Not applicable
VLAN	New, existing	Install **iBed** Wireless on a separate VLAN

IP traffic environment		
Source	**Protocol / Port number**	**Destination**
iBed Server	TCP/21	Stryker **iBed** Wireless Client
iBed Server	TCP/80/443	Third party / Stryker back office

IP traffic environment		
Source	**Protocol / Port number**	**Destination**
iBed Server	TCP/1639	Stryker **iBed** Wireless Client
Third party / Stryker **iBed** Wireless Client	TCP/80/443	**iBed** Server

Customer WLAN environment		**Required**
Supported wireless vendors	Cisco, Aruba	Yes
Access point (AP) types	Controller-based or autonomous	Yes
Channel width	2.4 GHz: 20 MHz 5 GHz: 20/40 MHz	Yes
Channel utilization	Consistently less than 30%	Recommended
Signal strength range (minimum)	2.4 GHz: -67dBm +0/-8dBm 5 GHz: -67dBm +0/-8dBm	Yes
Minimum SNR	Minimum 20dB	Yes
Priority queuing	Prioritized over best effort traffic	Recommended
Client exclusion	Disabled	Recommended
Client load balancing	Disabled	Recommended
Max number of SSIDs	5	Recommended
Authentication timeouts	Add session timeout of at least 24 hours	Recommended

Note - A transmit power asymmetry problem may arise at the edges of virtual cell coverage if an APs transmit power is higher than the Stryker Wireless Client device (~6 mW 2.4 GHz or 12 mW 5 GHz). The received signal strength indicator (RSSI) of the Stryker **iBed** Wireless Client on the AP must be verified. The device should never drop below an RSSI of -75 dBm on the AP.

Product illustration

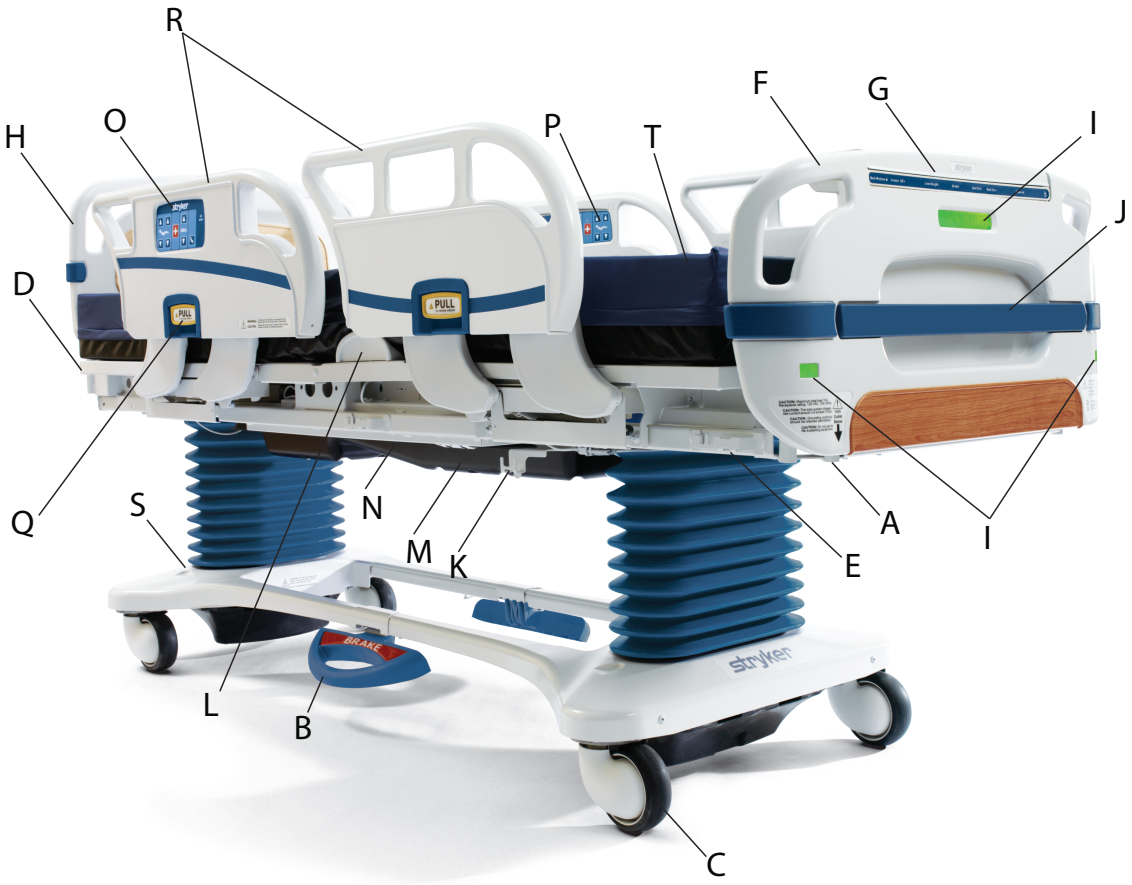


Figure 1 – Model 3005 S3 MedSurg bed

A	110 VAC outlet option
B	**BackSmart** brake pedal
C	Caster
D	CPR release handle
E	Foley bag hooks
F	Footboard
G	**BackSmart** footboard control panel
H	Headboard
I	**iBed** Awareness LED light bar
J	Integrated pump rack

K	Isolated Foley bag hooks
L	Mattress retainer
M	Motion interrupt pan
N	Night light
O	**BackSmart** operator control panel
P	Patient control panel
Q	Siderail release handle
R	**BackSmart** siderails
S	**BackSmart** steer pedal
T	Support surface

Contact information

Contact Stryker Customer Service or Technical Support at: 1-800-327-0770.

Stryker Medical

3800 E. Centre Avenue

Portage, MI 49002

USA

To view your operations or maintenance manual online, see https://techweb.stryker.com/.

Have the serial number (A) of your Stryker product available when calling Stryker Customer Service or Technical Support. Include the serial number in all written communication.

Serial number location

You can find the serial number (A) above the power cord behind the headboard (Figure 2).

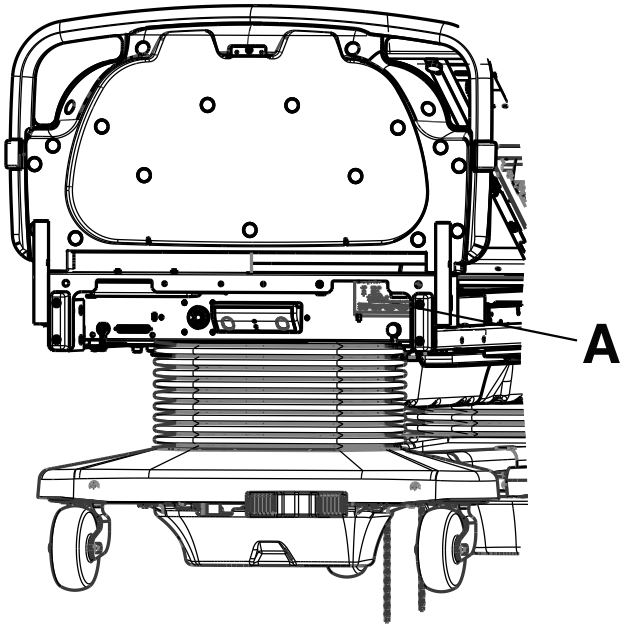


Figure 2 – Serial number location

Date of manufacture

The year of manufacture is the first four digits of the serial number.

Setup

WARNING - Always plug the product directly into a grounded, hospital grade wall outlet. You can only achieve grounding reliability when you use a hospital grade wall outlet. This product is equipped with a hospital-grade plug for protection against electric shock hazard.

To setup and test the functionality of the product:

1. Plug the product into a grounded, hospital grade wall outlet and make sure that the power button LED light at the foot end of the product comes on.
2. Check that the siderails raise, lower, lock in the up position, lock in the intermediate position when lowered and store smoothly.
3. Check that all four casters lock when the brake is applied.

   Note - Check that the **Brake** LED located on the outside of the head end siderails and on the footboard control panel blink when the brakes are released.
4. Raise the Fowler (head of bed) up to approximately 60°. Squeeze the CPR release handle and make sure that the back will drop with minimal effort.
5. Perform each function on the footboard control panel to make sure that each function works.
6. Perform each function on both head end siderails to make sure that each function works.
7. Activate the motion stop system to make sure that it is working. Press **Bed height down** to lower the litter. As the litter lowers, push up on the motion interrupt pan under the litter and make sure that the downward motion stops. Release the pan and allow the downward motion to continue.

   Note - The product's upward motion or other functions are not disrupted by the motion stop system.

Setting up nurse call communication option

WARNING - Always use a Stryker supplied interface cable. Use of any other cable may cause the bed to not function as intended, which may result in patient or user injury.

To setup nurse call communication:

1. Plug the interface cable into the 37-pin connector (B) in the litter frame at the head end of the product and into the applicable connection (patient station, head wall, or docker station) (Figure 3).

   Note - Only connect the 37-pin connector to the head wall output configuration or product Communications Tester (sold separately).
2. Test the interface cable to verify connectivity.
3. Plug the power cord into the wall outlet.
4. Push in the pendant port switch (A) and turn the switch to the on position (90° clockwise) (Figure 3).
5. Press the **Nurse call** button (E) (*Operator control panel, outside siderail* (page 23)) to verify the connection between the product's nurse call signal and the hospital's nurse call system.

   Note - A 9V battery powers the nurse call signal when the product is unplugged. If the product is unplugged from a wall outlet while the nurse call pendant port switch is set to the on position, the 9V battery will begin to drain.

To activate the nurse call communication option, see *Activating nurse call communication option* (page 21).

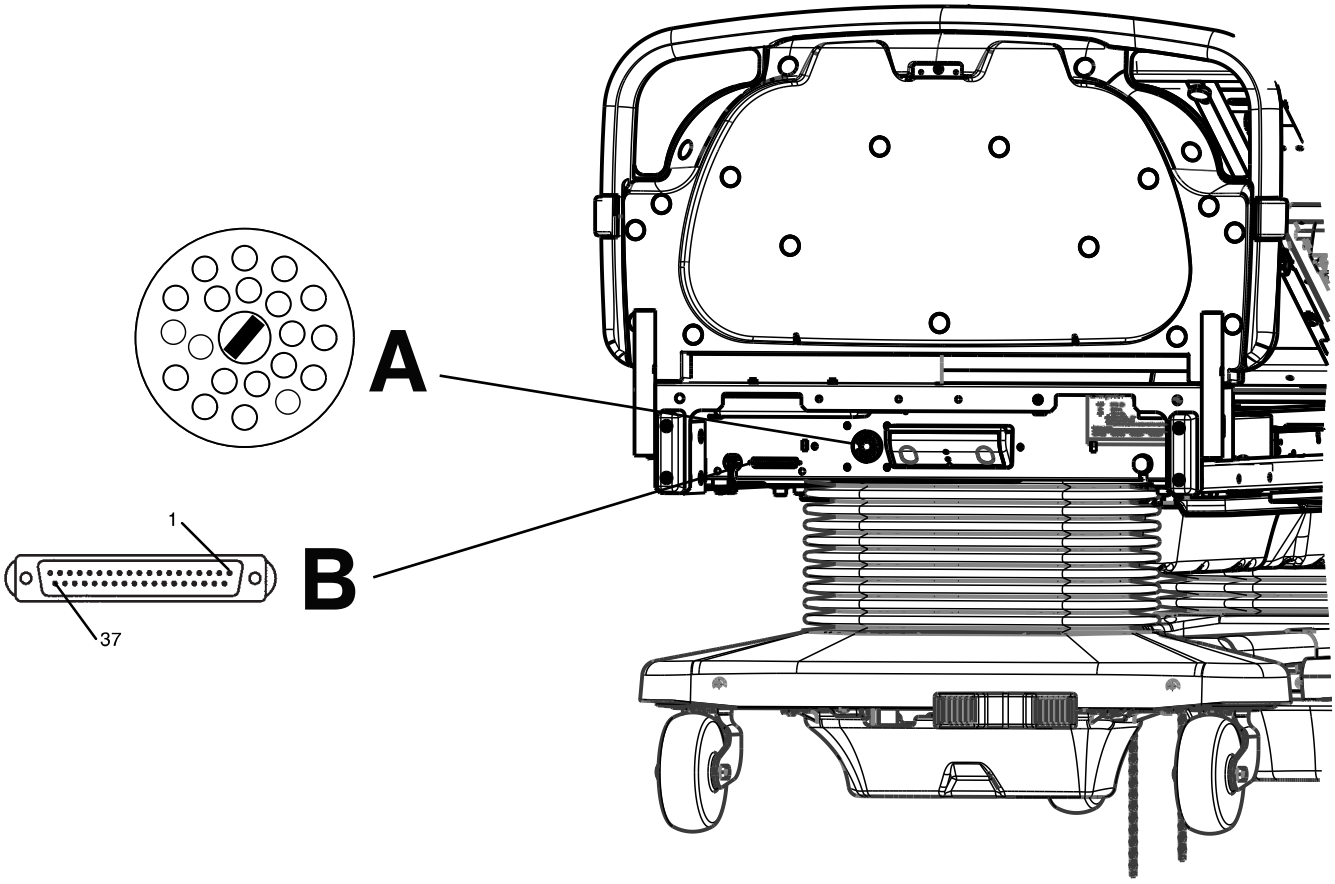


Figure 3 – Nurse call pendant port and 37-pin connector

Setting up iBed Wireless option

WARNING - Always associate or map the **iBed** Locator to the room or location to provide accurate location information. If you move an **iBed** Locator after it has been installed and mapped, you must remap to the new room or location.

To setup **iBed** Wireless:

Install the **iBed** Locator on the wall at the head end of the product. The **iBed** Locator communicates with the IR module that is installed in your product. For detailed instructions about how to mount the **iBed** Locator, see the instructions for use that was included with your **iBed** Locator installation kit.

Note - You must load the wireless connection settings before the device will communicate with the **iBed** Server application. See the **iBed** Server Installation and Configuration manual.

Operation

Applying or releasing the brakes

WARNING

- Always apply the brakes when the patient is getting into or out of the product to avoid instability.
- Always apply the brakes when the patient is unattended.
- Do not apply the brakes to slow or stop the product while it is in motion.

You can find the brake pedals on both the left and right sides of the product.

To apply the brakes, push down the brake pedal.

To release the brakes, push down the brake pedal.

Note - The **Brake** LED (D) on the footboard control panel illuminates when you apply the brakes (Figure 30). You can also set an audible alarm in the advanced menu (*Setting the brake alarm* (page 40)).

Figure 4 – Applying or releasing the brakes

Transporting the product with Steer-Lock

WARNING

- Always lock the siderails in the full up position with the sleep surface horizontal in the lowest position when you transport the product with a patient.
- Always unplug the power cord before you transport the product.
- Always release the brakes before you transport the product. Do not transport the product with the brakes applied.
- Do not transport the product laterally after you apply the **Steer-Lock** pedal. The product cannot swivel when you transport with **Steer-Lock**.

Steer-Lock guides the product along a straight line during transport and pivots the product around corners. The **Steer-Lock** pedal locks the right side caster on the foot end. The **Steer-Lock** pedal is located at the head end of the product.

To transport with **Steer-Lock**:

1. Align the wheels to face the direction of transport.
2. Push the **Steer-Lock** pedal to on (Figure 5).

To release **Steer-Lock**, push the **Steer-Lock** pedal to off.

Note - To move the product in any direction, including laterally, release the **Steer-Lock** pedal.

Figure 5 – Applying or releasing Steer-Lock

Activating the CPR release

CAUTION - Always make sure that all persons and equipment are away from the area below and around the Fowler before you activate the CPR release. The CPR release is for emergency use only.

When you raise the Fowler and need quick access to the patient, you can position the product to 0° by activating the CPR release.

You can find the two CPR release levers at the head end section on both the left and right sides of the Fowler (A) (Figure 6).

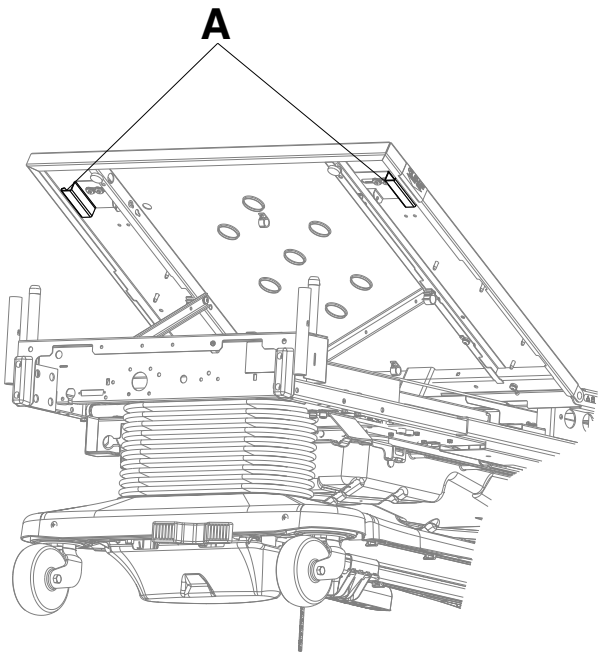


Figure 6 – Activating the CPR release

To activate the CPR release:

1. Grasp and squeeze the lever on either side of the Fowler.
2. Guide the Fowler to the flat position.

Raising the lower leg section

Prop the footrest to raise the lower leg section manually.

To raise the lower leg section:

1. Grasp the lower leg section with both hands (A) (Figure 7).

2. Swing the foot prop toward the foot end of the bed.
3. Release the foot prop when the prop rod is in the Gatch bracket.

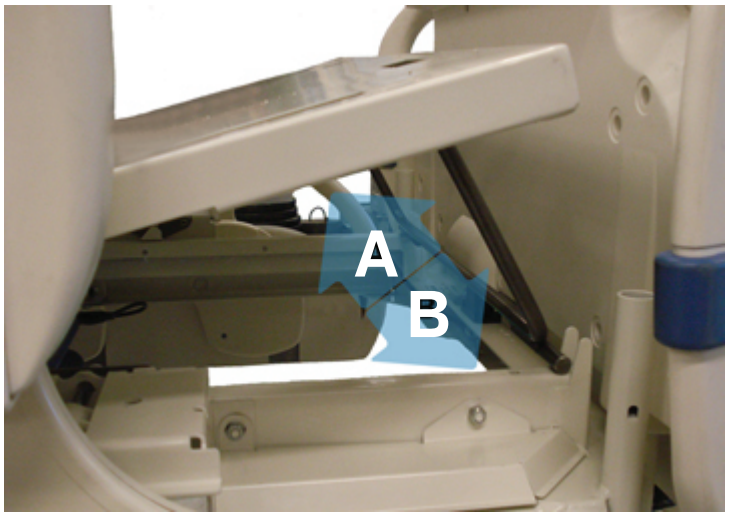


Figure 7 – Raising or lowering the lower leg section

Lowering the lower leg section

Release the foot prop of the footrest to lower the lower leg section manually.

To lower the lower leg section:

1. Lift up the end of the lower leg section to release the prop rod from the Gatch bracket.
2. Swing the foot prop toward the head end.
3. Guide the foot prop down into the litter (B) (Figure 7).

Attaching a fracture frame

WARNING - Only use retractable traction or fracture frames. Failure to use a retractable frame may result in injury to the patient or damage the equipment.

You can attach a standard fracture frame to the product using the IV sockets that are located on all four corners of the product. You can use IV poles with a fracture frame with the IV pole adaptor sockets.

Securing a Foley bag to the Foley bag hooks

Note - The safe working load of the isolated Foley bag hook is 20 lb (9.1 kg).

To secure a Foley bag to the Foley bag hook, place the hook of the Foley bag on the Foley bag hook.

There are two isolated Foley bag hooks under the Gatch section on both sides of the product (A) (Figure 8). If you weigh the patient with the scale system, the isolated Foley bag weight is not included with the patient weight.

There are four Foley bag hooks under the seat section (B) and foot section (C) on both sides of the product (Figure 9). If you weigh the patient with the scale system, the Foley bag weight is included with the patient weight.

Figure 8 – Isolated Foley bag hook

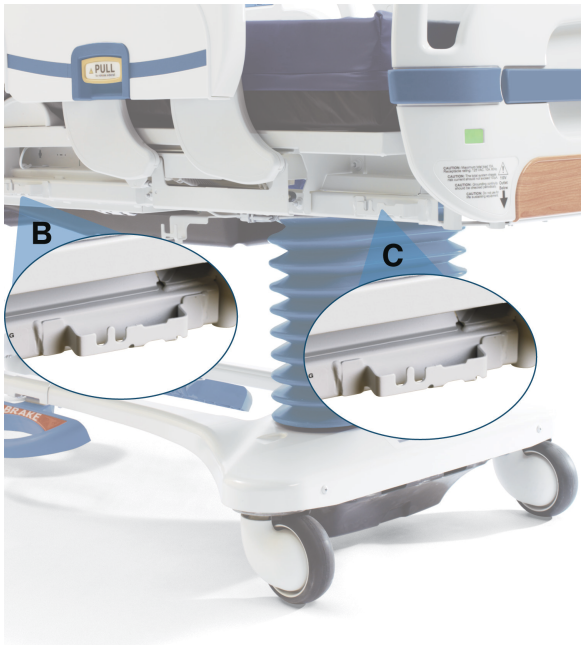


Figure 9 – Foley bag hook

Securing the patient restraint straps

CAUTION - Always follow hospital protocol to determine the use of restraint straps and restraint strap locations. Stryker is not responsible for the type or use of restraint straps on any Stryker product.

There are eight patient restraint strap tie-in locations on the litter assembly to secure patient restraint straps. Two are located on the Fowler section, two are located on the seat section, and four are located on the foot section (Figure 10).

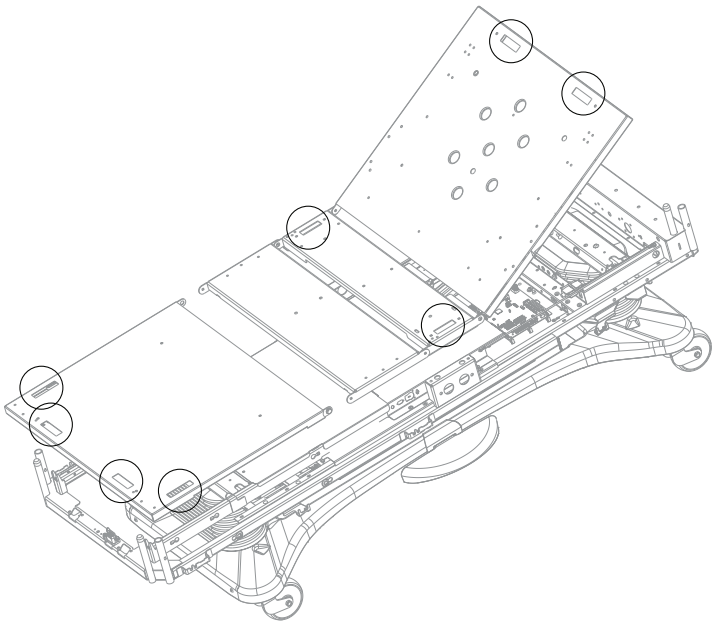


Figure 10 – Restraint strap tie-in locations

Raising the siderails

WARNING

- Always set the siderail position to make sure that the patient is safely in the product.

- Always lock the operator control panel and patient control panel when the patient is unattended.
- Always keep the siderails outside of the oxygen tent.

Note - Do not use siderails as a patient restraint device.

When raising the siderails, listen for the click that indicates that the siderail has locked into position. Pull on the siderail to make sure that it is locked.

To raise the siderail to its highest position, grasp the release handle and rotate the siderail toward the head end of the product (Figure 11).

Note - The siderail does not lock into the intermediate position when you raise the siderail.

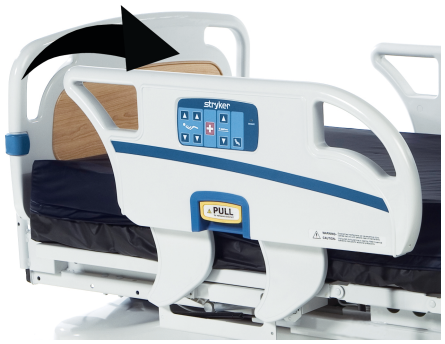


Figure 11 – Siderail highest position

Lowering the siderails

WARNING

- Always set the siderail position to make sure that the patient is safely in the product.
- Always lock the operator control panel and patient control panel when the patient is unattended.
- Always keep the siderails outside of the oxygen tent.

Note - Do not use siderails as a patient restraint device.

To lower the siderail to the intermediate position, grasp the release handle and rotate the siderail forward until it locks into the intermediate position (Figure 12).

Figure 12 – Siderail intermediate position

To lower the siderail to its lowest position, grasp the release handle and rotate the siderail forward (Figure 13).

Note

- You can stow the siderail under the litter when the siderail is at its lowest position.
- Make sure that the siderail is in the lowest position before you raise the siderail directly to the full up position. If you do not completely lower the siderail, the siderail will lock into the intermediate position when you raise the siderail.

Figure 13 – Siderail lowest position

Raising or lowering the two-stage permanently attached IV pole option

CAUTION - Do not load the IV pole above the safe working load of 40 lb (18 kg).

To position the IV pole:

1. Lift and pivot the IV pole from the storage position and push down until the IV pole locks into the receptacle.
2. To raise the height of the pole, pull up on the telescoping portion (A) of the pole until it locks into place at its fully raised position (Figure 14).
3. Rotate the IV hangers (B) to the desired position and hang the IV bags.
4. To lower the pole, turn the latch (C) clockwise until the telescoping portion (A) lowers into the bottom tube.
5. Lift up and pivot the pole down into the storage position.

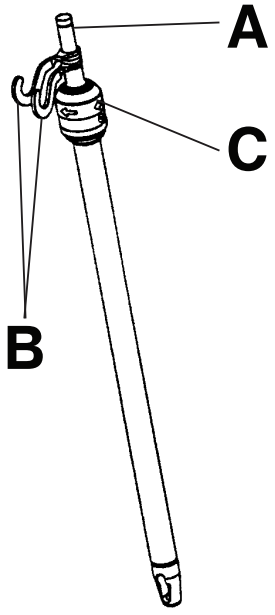


Figure 14 – Two-stage IV pole

Positioning the removable IV pole option

CAUTION - Do not load the IV pole above the safe working load of 40 lb (18 kg).

1. Install the pole at any of the four receptacles of the litter, located on all four corners of the frame.
2. To raise the height of the pole, turn the knob (A) counterclockwise and pull up on the telescoping portion (B) of the pole (Figure 15).
3. Turn the knob (A) clockwise to tighten the telescoping portion (B) in place.
4. To lower the height of the pole, turn the knob (A) counterclockwise and lower the telescoping portion (B) of the pole into the bottom tube.

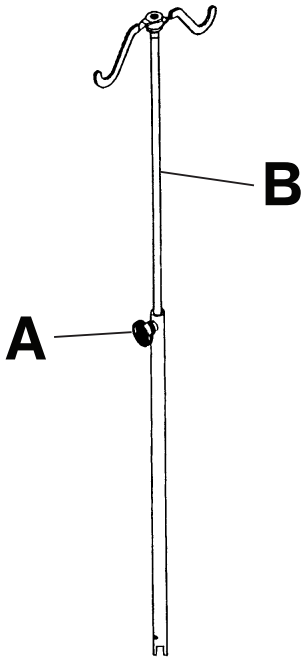


Figure 15 – Removable IV pole

Illuminating the room with the night light

There are two night lights that illuminate the floor area around the product. The night light switch is under the frame on the patient left side.

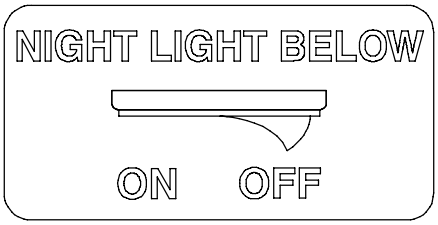


Figure 16 – Night light

To turn on the night light, turn the switch to **ON** (Figure 16).

To turn off the night light, turn the switch to **OFF**.

Activating nurse call communication option

Nurse call allows the patient to send a signal to the nurse station.

To activate nurse call, press the **Nurse call** button. Communication between the patient and the nurse station is established at the moment when the nursing staff responds to the nurse call signal.

Note - A 9V battery powers the nurse call signal when the product is unplugged. If the product is unplugged from a wall outlet while the nurse call pendant port switch is set to the on position, the 9V battery will begin to drain (Figure 17).

If the 9V nurse call battery needs to be replaced, a message will appear on the footboard display.

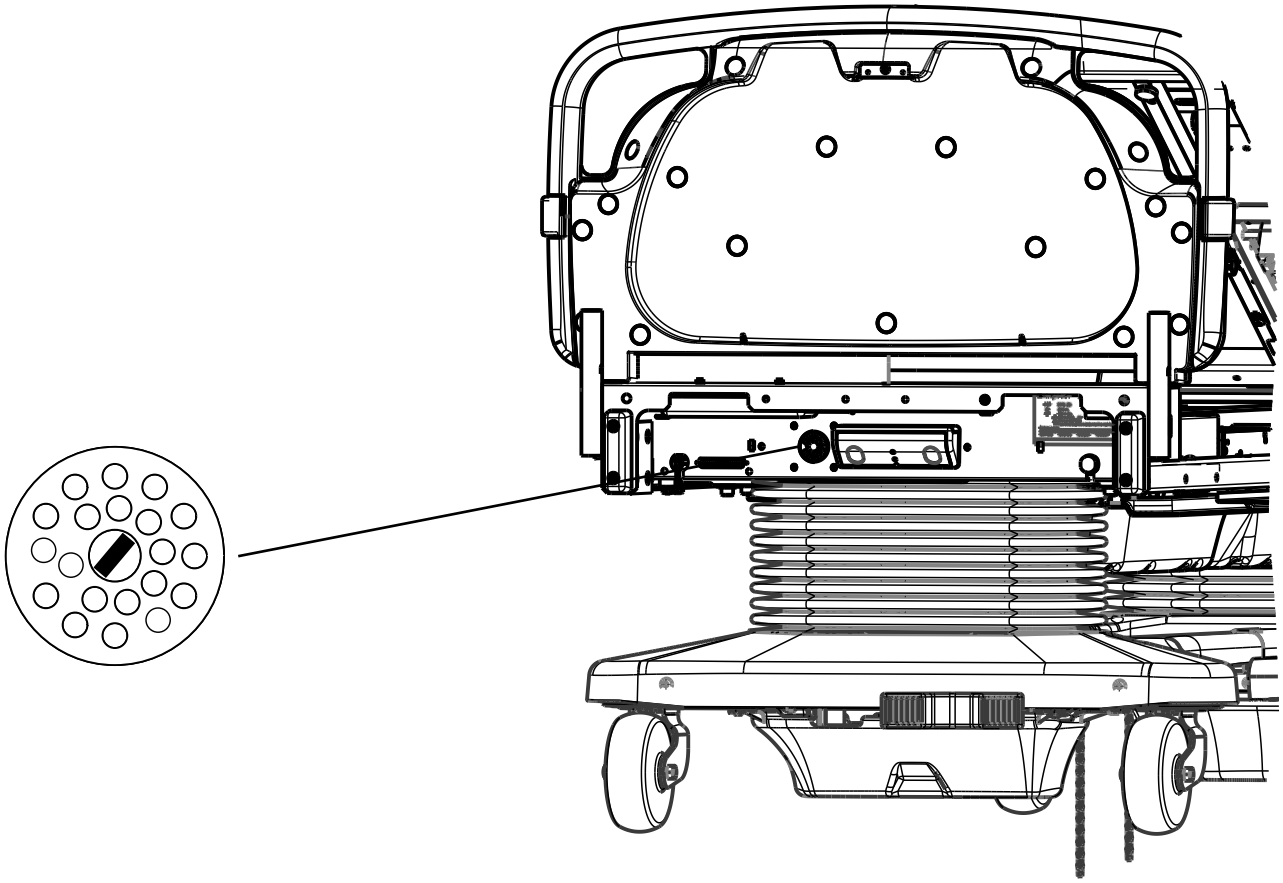


Figure 17 – Nurse call switch

Replacing the nurse call backup battery option

To prevent a low battery condition when the bed is not plugged in, position the cord out switch at the head end of the bed to the off position. If the switch is not positioned as shown (A) and the bed power cord and pendant cord are unplugged, the life of the backup battery will be reduced (Figure 18).

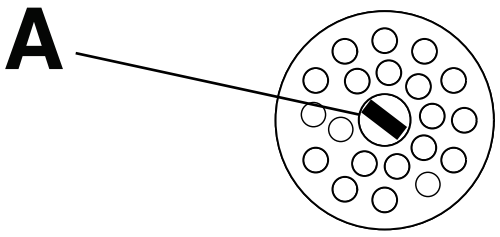


Figure 18 – Cord out switch position

If the 9V nurse call battery needs to be replaced, a message will appear on the footboard display. The battery is located on the patient left side at the head end of the bed (B) (Figure 19). No tools are required to replace the battery.

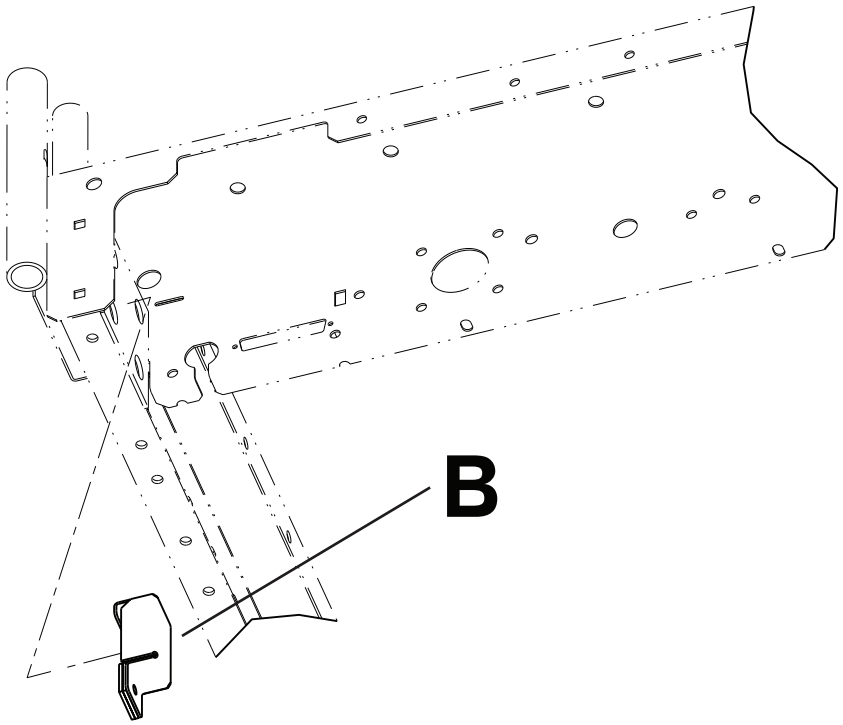


Figure 19 – Battery housing

To replace the battery:

1. Unplug the power cord from the wall outlet.
2. Separate the hook and loop fasteners that secure the battery housing (B) to the litter frame and lift the battery housing until it is free from the litter frame (Figure 19).
3. Discard the battery.

   Note - Follow local regulations for disposal or recycling of this part.
4. Reverse steps to reinstall.

Connecting peripheral equipment to the built-in 110 volt auxiliary power outlet option

WARNING

- Always use only hospital-grade electric equipment consuming 10A or less with the auxiliary power outlet option. The use of standard electric equipment may bring the current leakage to a level unacceptable for hospital equipment.
- Do not use the 110V auxiliary power outlet option for life sustaining equipment.

The 110 volt auxiliary power outlet is a built-in outlet for peripheral equipment. The outlet is under the foot end on the patient right side of the product.

Figure 20 – Auxiliary outlet option

Operator control panel, outside siderail

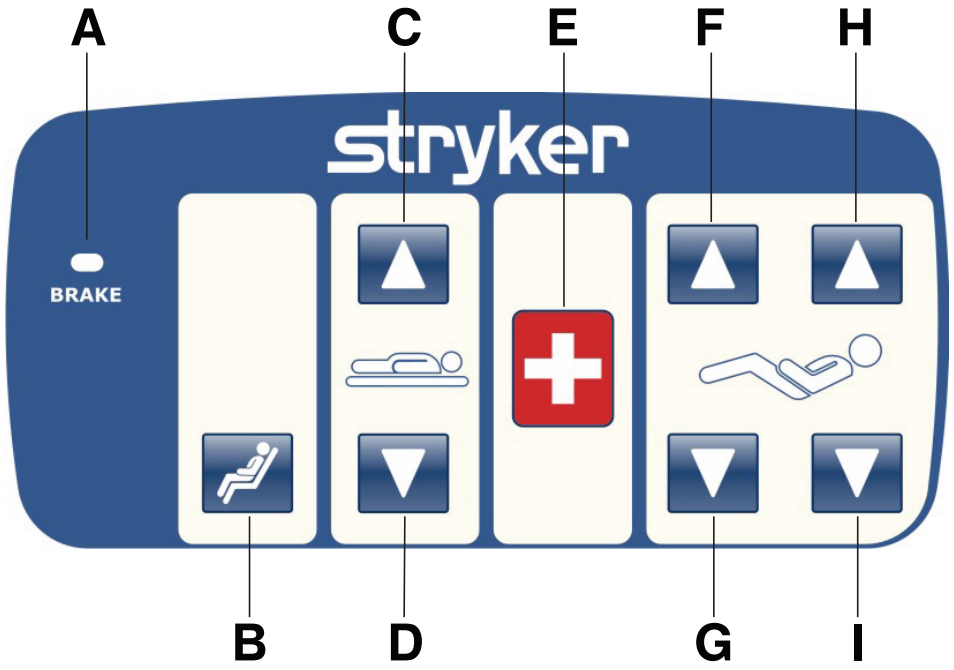


Figure 21 – Operator control panel

A	Brake LED	Flashes amber when you release the brakes. Brake LED turns off when you apply the brakes.
B	Cardiac chair position	Press and hold to place the product into the cardiac chair position
C	Bed height up	Raises the litter
D	Bed height down	Lowers the litter
E	Nurse call option	Activates nurse call
F	Gatch up	Raises the Gatch
G	Gatch down	Lowers the Gatch
H	Fowler up	Raises the Fowler
I	Fowler down	Lowers the Fowler

Patient control panel, inside siderail

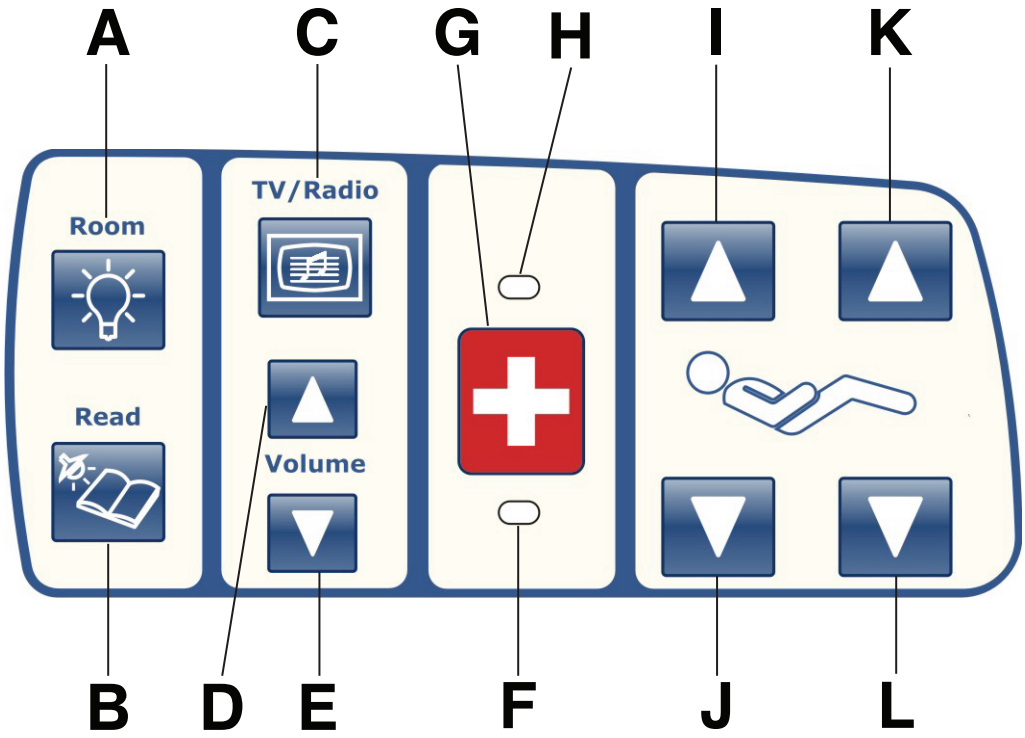


Figure 22 – Patient control panel

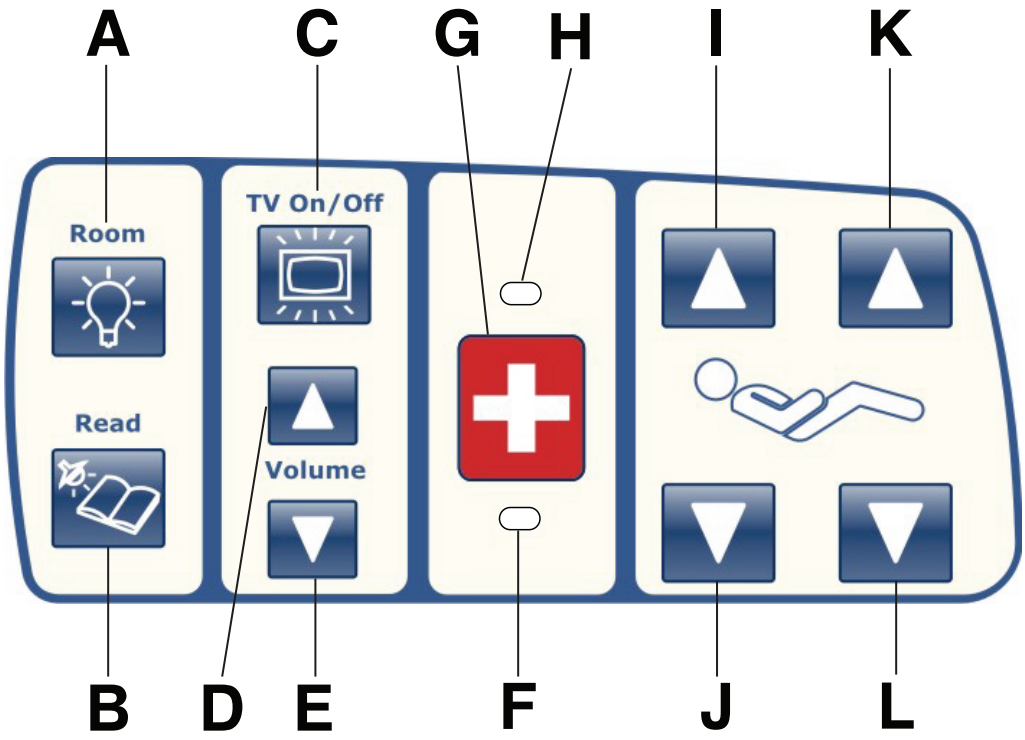


Figure 23 – Patient control panel with Smart TV option

A	Room light option	Turns the room light on or off
B	Product overhead light option	Turns the product overhead light on or off

C	TV/Radio power option (Figure 22)	Turns on the TV or the radio
	Smart TV power option (Figure 23)	Turns on Smart TV
D	TV/Radio volume up option (Figure 22)	Increases the volume
	Smart TV volume up option (Figure 23)	Increases Smart TV volume
E	TV/Radio volume down option (Figure 22)	Decreases the volume
	Smart TV volume down option (Figure 23)	Decreases Smart TV volume
F	Nurse call LED option	Illuminates amber when the patient presses the **Nurse Call** button
G	Nurse call option	Activates nurse call
H	Nurse call answer LED option	Illuminates green when a nurse answers a call
I	Fowler up	Raises the Fowler
J	Fowler down	Lowers the Fowler
K	Gatch up	Raises the Gatch
L	Gatch down	Lowers the Gatch

Smart TV control panel, inside siderail option

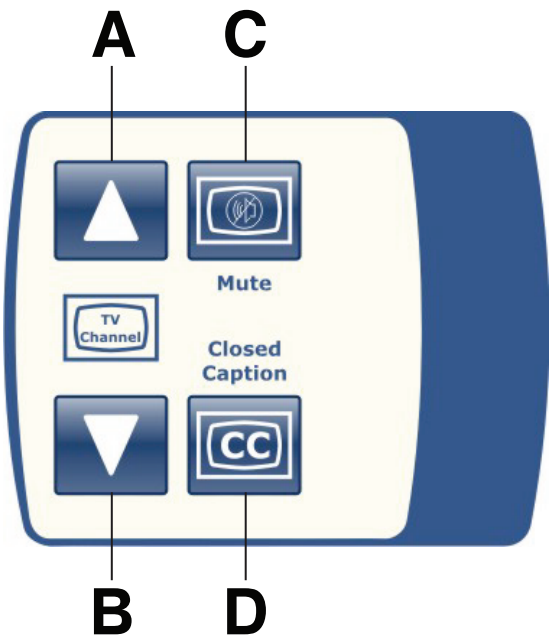


Figure 24 – Smart TV control panel

A	TV channel up	Changes the TV channel up
B	TV channel down	Changes the TV channel down
C	Mute	Turns the volume on and off
D	Closed caption	Turns closed captions on and off

Footboard control panel - Bed controls

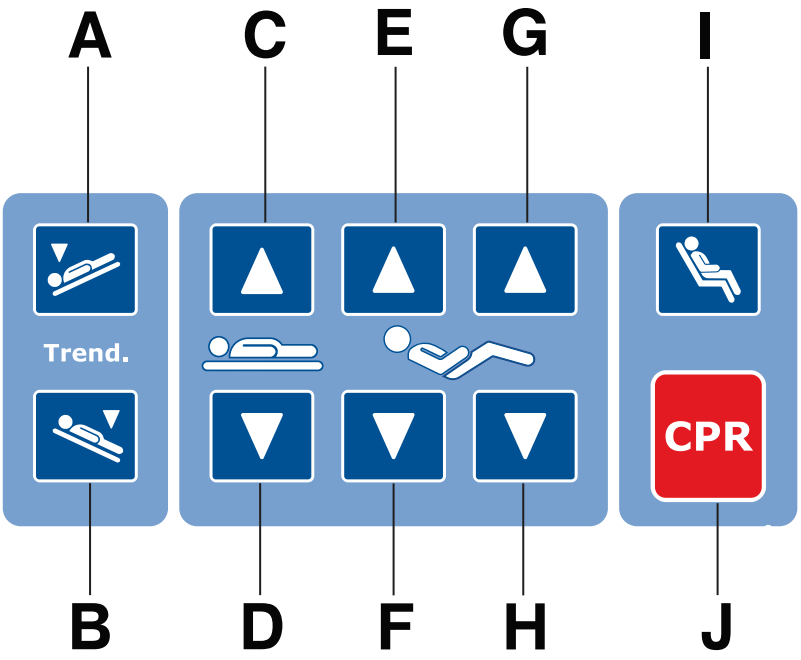


Figure 25 – Footboard control panel

A	Trendelenburg	Places the product into the Trendelenburg position (head down with foot up)
B	Reverse Trendelenburg	Places the product into the reverse Trendelenburg position (head up with foot down)
C	Bed height up	Raises the litter
D	Bed height down	Lowers the litter
E	Fowler up	Raises the Fowler
F	Fowler down	Lowers the Fowler
G	Gatch up	Raises the Gatch
H	Gatch down	Lowers the Gatch
I	Cardiac chair position	Press and hold to place the product into the cardiac chair position
J	CPR	Press and hold to flatten the product and lower to low height

Note

- The CPR button overrides all lockouts.
- The Low Height footboard LED indicator illuminates when you lower the product to low height.

Footboard control panel - Lockouts

WARNING

- Always lock the control panel when you leave the patient unattended.
- Always lock the patient control panel when the patient's condition requires extra safety measures.

Lockouts can lock out motion control input from the operator control panel, patient control panel, and motion pendants option. **Chaperone** Bed Exit option, scale option, and nurse call option features are still available.

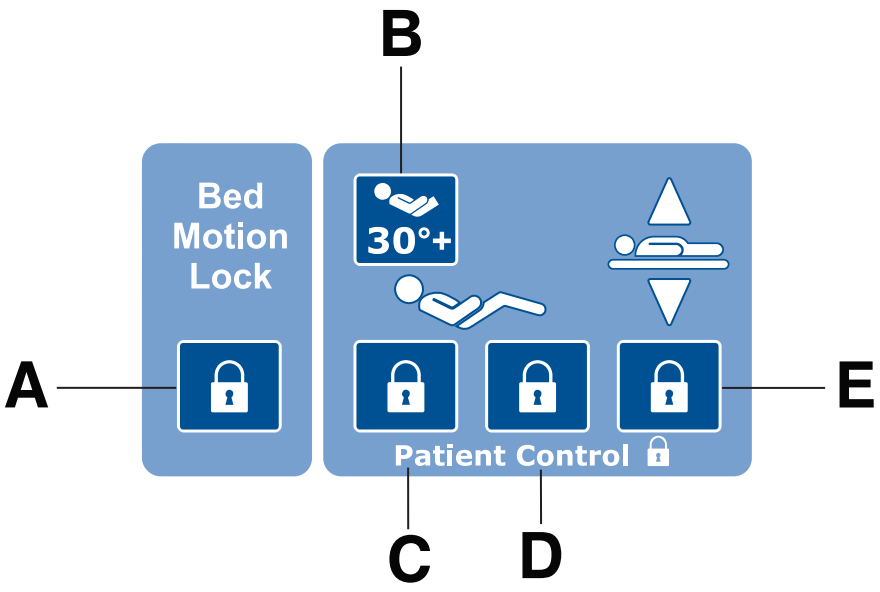


Figure 26 – Footboard control panel lockouts

A	Bed motion lock	Locks all motion controls from the operator control panel and patient control panel
B	Fowler 30°+	Press and hold to raise and lock the Fowler at 30°. You can raise the Fowler between 30° and 60° after you lock the Fowler at 30°+.
C	Patient control Fowler lock	Locks or unlocks the Fowler
D	Patient control Gatch lock	Locks or unlocks the Gatch
E	Bed height lock	Locks or unlocks the litter

Note

- The CPR button overrides all lockouts.
- The corresponding lock LED illuminates when you lock a motion control.
- The **Bed Motion Lock** footboard LED indicator illuminates when you lock bed motion.
- The **Fowler 30°+** footboard LED indicator illuminates when you lock the Fowler.
- If the product is in a specific position when a lock is enabled, the product will be locked in that position.
- Lock parameters are saved when the product is unplugged or during a power failure.
- Do not lock the control panel functions from the footboard if you must access the control panel when you remove the footboard.

Footboard control panel - Chaperone Bed Exit option

WARNING

- Do not use **Chaperone** Bed Exit to replace patient monitoring protocol. **Chaperone** Bed Exit is intended only to aid in the detection of a patient exiting the product.
- Do not use **Chaperone** Bed Exit with patients who weigh less than 50 lb (23 kg).

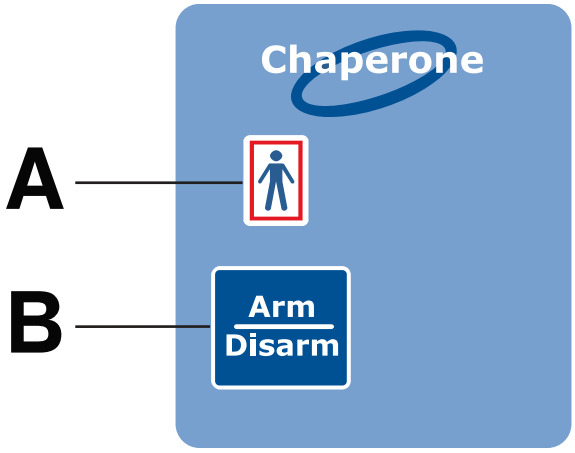


Figure 27 – Chaperone Bed Exit

A	Zone	The patient can move freely, but the alarm sounds when the patient attempts to leave the product
B	Arm/Disarm	Arms or disarms **Chaperone** Bed Exit

Note - The **Chaperone** Bed Exit footboard LED indicator illuminates when you arm **Chaperone** Bed Exit (Figure 30).

Arming or disarming Chaperone Bed Exit option

When armed, **Chaperone** Bed Exit monitors the patient's position on the product.

Note - A notification appears if there is not enough weight on the product to arm **Chaperone** Bed Exit.

To arm **Chaperone** Bed Exit:

1. Set the scale to zero.

   Note - If you do not set the scale to zero before you place a patient on the product, **Chaperone** Bed Exit may not operate as intended.
2. Position the patient on the product.
3. Press and hold **Arm/Disarm**.

After you arm **Chaperone** Bed Exit, the LED light bars on the footboard illuminate green, the **Chaperone** Bed Exit footboard LED indicator illuminates, and the selected zone on the footboard control panel illuminates.

If the parameter conditions selected for **Chaperone** Bed Exit are changed:

- LED light bars on the footboard flash amber
- **Chaperone** Bed Exit indicator LED on the footboard LED indicator flashes
- sound alarm is triggered
- **Chaperone** Bed Exit status alert is displayed on the display screen

To disarm **Chaperone** Bed Exit, press and hold **Arm/Disarm**.

Footboard control panel - Chaperone Bed Exit with zone control option

WARNING

- Do not use **Chaperone** Bed Exit to replace patient monitoring protocol. **Chaperone** Bed Exit is intended only to aid in the detection of a patient exiting the product.
- Do not use **Chaperone** Bed Exit with patients who weigh less than 50 lb (23 kg).

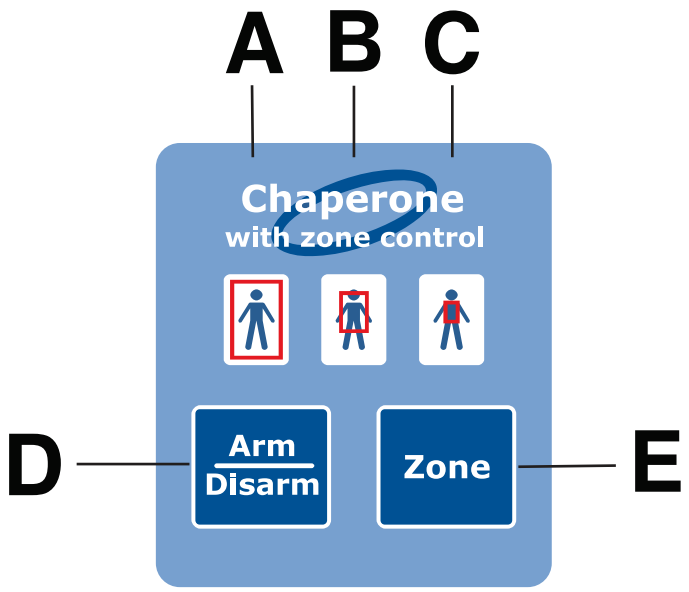


Figure 28 – Chaperone Bed Exit with zone control

A	Zone 1	Allows the patient to move freely on the bed. Alarms when the patient moves 50 percent of their body weight out of the designated zone.
B	Zone 2	Allows for limited movement. Alarms when the patient approaches the siderail or the foot end of the bed.
C	Zone 3	Allows minimal movement. Alarms when the patient moves out of the tightly restricted zone.
D	Arm/Disarm	Arms or disarms **Chaperone** Bed Exit
E	Zone	Changes the zone

Note - The **Chaperone** Bed Exit footboard LED indicator (E) illuminates when you arm **Chaperone** Bed Exit (Figure 30).

Arming or disarming Chaperone Bed Exit with zone control option

When armed, **Chaperone** Bed Exit monitors the patient's position on the product.

Note - A notification appears if there is not enough weight on the product to arm **Chaperone** Bed Exit.

To arm **Chaperone** Bed Exit:

1. Set the scale to zero.

   Note - If you do not set the scale to zero before you place a patient on the product, **Chaperone** Bed Exit may not operate as intended.
2. Position the patient on the product.
3. Press and hold **Arm/Disarm**.

   Note - Zone 1 illuminates as the default zone when you arm **Chaperone** Bed Exit.
4. To change the zone, press **Zone**.

After you arm **Chaperone** Bed Exit, the LED light bars on the footboard illuminate green, the **Chaperone** Bed Exit footboard indicator LED illuminates, and the selected zone on the footboard control panel illuminates.

If the patient moves from the armed zone:

- LED light bars on the footboard flash amber
- **Chaperone** Bed Exit indicator LED flashes
- sound alarm is triggered
- selected zone on the footboard control panel flashes

- status alert is displayed on the display screen

To disarm **Chaperone** Bed Exit, press and hold **Arm/Disarm**.

Footboard LED indicators

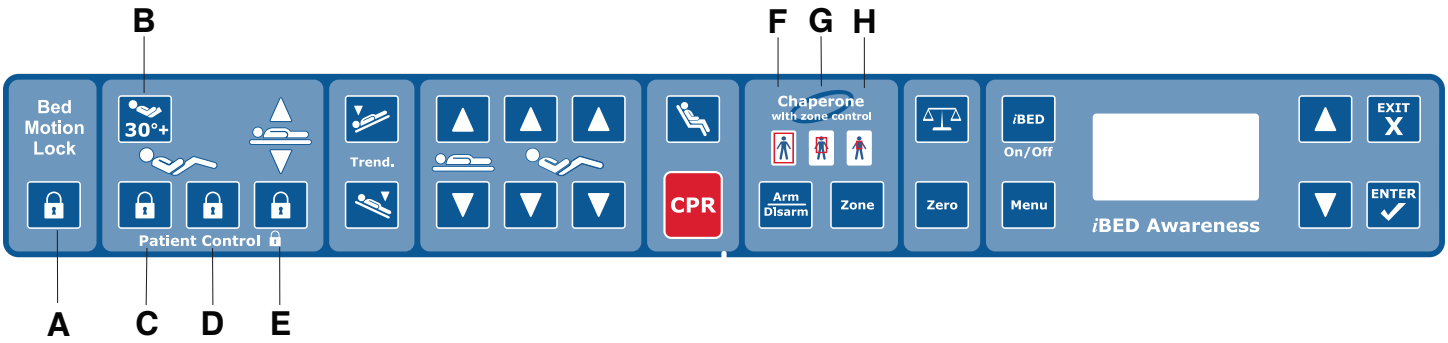


Figure 29 – Footboard LED indicators

	Indicator	LED illuminates amber
A	Bed motion lock	Bed motion lock is activated or when the patient control (Fowler, Gatch, bed up and down) lock buttons are activated
B	Fowler 30°+	Fowler 30°+ is locked. The LED will blink amber if: • **iBed** Awareness system is on • Fowler 30°+ is being monitored and the Fowler goes below 30 degrees • Fowler 30°+ is turned off
C	Patient control Fowler lock	The patient control Fowler lock is on
D	Patient control Gatch lock	The patient control Gatch lock is on
E	Patient control bed height lock	The patient control bed height lock is on
F	Zone 1	**Chaperone** Bed Exit is on and zone 1 is active. The LED will blink amber if a bed exit event occurs.
G	Zone 2	**Chaperone** Bed Exit is on and zone 2 is active. The LED will blink amber if a bed exit event occurs.
H	Zone 3	**Chaperone** Bed Exit is on and zone 3 is active. The LED will blink amber if a bed exit event occurs.

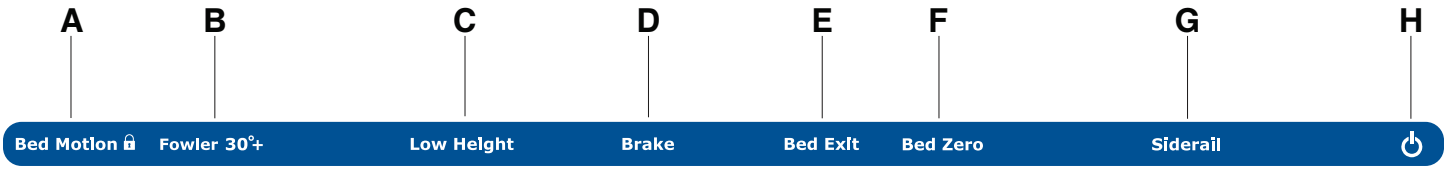


Figure 30 – Footboard LED indicators

	Indicator	LED illuminates amber
A	Bed motion lock	Bed motion lock is activated or when the patient control (Fowler, Gatch, bed up and down) lock buttons are activated
B	Fowler 30°+	Fowler 30°+ is locked. The LED will blink amber if: • **iBed** Awareness system is on • Fowler 30°+ is being monitored and the Fowler goes below 30 degrees • Fowler 30°+ is turned off

	Indicator	LED illuminates amber
C	Low height	Bed is in low height. The LED will blink amber if: • **iBed** Awareness system is on • Low height is being monitored • Bed is not in low height
D	Brake	Brake is set, and will blink amber if the brake is not set
E	Bed Exit option	**Chaperone** Bed Exit is armed. The LED will blink amber if: • **Chaperone** Bed Exit is turned off while the **iBed** Awareness system is turned on • **Chaperone** Bed Exit alarms while monitored by the **iBed** Awareness system
F	Bed zero (**iBed** Awareness option)	Bed zero is successful
G	Siderail (**iBed** Awareness option)	**iBed** Awareness system is on. The LED will blink amber when siderail state has changed.
H	Power	Green when bed has power

Footboard control panel - Scale

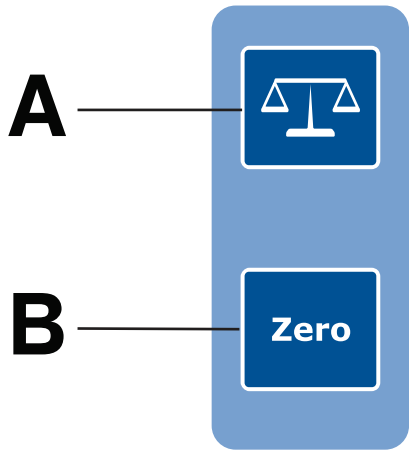


Figure 31 – Scale

A	Scale	Weighs the patient
B	Zero	Sets the scale to zero

Note - The **Bed Zero** LED indicator (F) illuminates when you set the scale to zero (Figure 30).

Weighing a patient

WARNING

- Do not use the scale system reading as a reference for medical treatment. The scale system assists only in monitoring the patient's weight variation.
- Do not set the scale to zero or weigh the patient when a support surface therapy is active. Motion from the support surface functions may affect the scale system performance.

CAUTION - Always raise the siderails when the litter is in its full down position. This prevents the scale system from weighing a patient inaccurately.

To weigh a patient:

1. Press and hold **Scale** until **Release Button** appears (Figure 32).

Figure 32 – Release button

2. Release **Scale**.

   Note - Do not touch the product when you weigh the patient (Figure 33).

Figure 33 – Do not touch bed

A confirmation notification indicates that weighing the patient was successful (Figure 34).

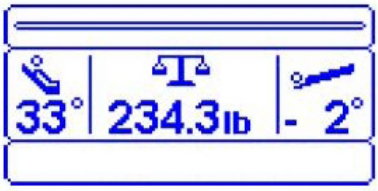


Figure 34 – Patient weight

Note - To clear the patient weight from the display, press **Scale** again. The patient weight is still recorded in the weight log.

Note

- Always calibrate the product after you add a support surface or mattress.
- Always set the scale to zero before you put a patient on the product.

Setting the scale to zero

The zero function clears all of the stored values from the weight log, change patient weight, and gain or loss.

Note - Always set the scale to zero before you put a patient on the product.

To set the scale to zero:

1. Press and hold **Zero** (Figure 35) until **Release Button** appears (Figure 36).

Figure 35 – Hold to zero

Figure 36 – Release Button

2. Release **Zero**.

   Note - Do not touch the product when you set the scale to zero (Figure 37).

Figure 37 – Do not touch bed

A confirmation notification indicates that setting the scale to zero was successful (Figure 38).

Figure 38 – Zeroing successful

Note

- The **Bed Zero** LED on the footboard LED indicator illuminates.
- The scale icon and 0.0 appear on the footboard display.

Figure 39 – Scale set to zero

Note - If you receive an **Unable to Zero - Try Again** notification, the scale attempts to set the scale to zero again for 30 seconds. After three attempts, the scale system locks and an **Unable to Zero** notification appears.

Menu display

The **S3** footboard control panel has a menu that displays the menus for **S3** functions and features.

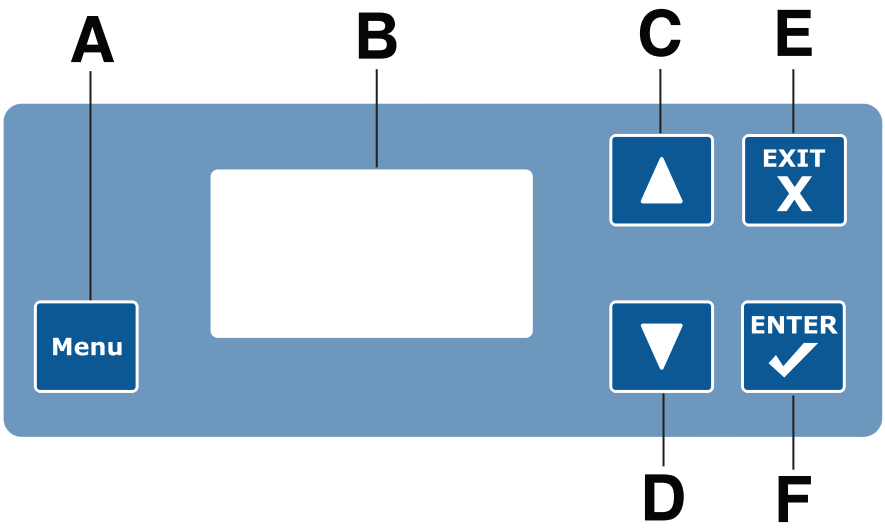


Figure 40 – Menu

A	Menu	Accesses menu functions
B	Display	Displays menu functions
C	Up arrow	Scroll up through menu functions
D	Down arrow	Scroll down through menu functions
E	Exit	Exits from menu functions or cancels operation
F	Enter	Selects menu function or saves operation

Menu functions	
1. Weight Log (Weight log is the default selection)	5. Scale Units (Change scale units)
2. Gain/Loss	6. Backlight (Backlighting)
3. Change Equip. (Change equipment)	7. Advanced Options
4. Change Ptnt Wght (Change patient weight)	8. Exit Menu

Accessing functions and features with the menu display

To access a menu option, press **Menu** (A) (Figure 40).

To scroll through menu options, press **Up arrow** (C) or **Down arrow** (D).

To select a menu option, press **Enter** (F).

To go back one menu or cancel a request, press **Exit** (E).

Note

- If no control panel or menu activity is detected within 60 seconds, the display backlight dims.
- The status screen shows the current Fowler angle and current Trendelenburg angle values by default (Figure 41).

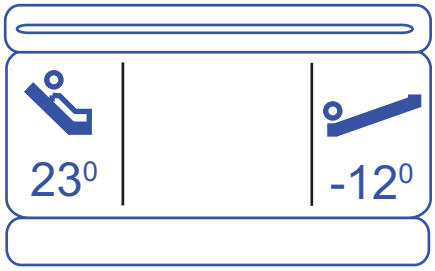


Figure 41 – Status screen

Menu display with iBed Wireless option

Information on the display includes the Wi-Fi and **iBed** Locator connection status, Fowler angle, and Trendelenberg angle values (Figure 42).

Note

- If no control panel or menu activity is detected within 60 seconds, the display backlight dims.
- The status screen shows the current Fowler angle and current Trendelenburg angle values by default.

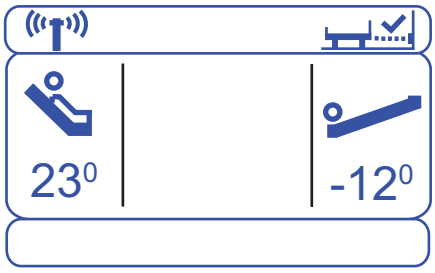


Figure 42 – iBed Wireless display screen

Icons	X			
Wireless connectivity status	Not connected or trying to connect	Connected		
Signal strength level	None	Low	Good	Excellent
Signal strength, X	X < -90 dB or X = 0 dB	-90 dB ≤ X < -71 dB	-71 dB ≤ X < -57 dB	X ≥ -57 dB

Viewing the weight log

Weight history displays measured and stored weight values. The system stores a maximum of 10 weight measurements. Any measurement taken after the tenth measurement deletes the oldest measurement taken.

Note - If the change in patient weight is less than 0.2 lb (0.09 kg), the weight will not be stored.

To view weight history:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Weight log** (Figure 43).

Figure 43 – Weight log

3. Press **Enter** (F) (Figure 40).

Measuring weight gain or loss

The gain or loss function compares the initial patient weight to the current patient weight. It then displays the weight the patient has gained or lost since the initial patient weight reading.

To enable gain or loss:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Gain/Loss**.
3. Press and hold **Enter** (F). The **Hold to Enable** message will display (Figure 44).

Figure 44 – Hold to Enable

Figure 45 – Release Button

4. When **Release Button** appears, release **Enter** (Figure 45).

   Note - Do not touch the product when you measure weight gain or loss (Figure 46).

Figure 46 – Do not touch bed

A confirmation notification indicates that **Gain/Loss** is enabled.

The base measurement is the initial patient weight registered when you enable **Gain/Loss**. The weight difference between the base weight and the weight gained or lost is displayed on the bottom right hand corner (Figure 47).

Figure 47 – Base and gain/loss weight measurement

Note - If the weight gained or lost exceeds 99.9 lb (45.3 kg), **Error –.-** appears on the display (Figure 48).

Figure 48 – Gain/loss error

To disable gain or loss:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Gain/Loss**.
3. Press and hold **Enter** (F).

Changing equipment

Change equipment allows you to add or remove equipment or devices from the product without affecting the patient weight.

To change equipment:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Change Equip**..
3. Press and hold **Enter** (F)The **Hold to Change Equipment** message will display (Figure 49).

Figure 49 – Hold to Change Equipment

Figure 50 – Add/Remove Equipment

4. When **Add/Remove Equipment** displays, release **Enter** (Figure 50).

   Note - Do not touch the product when you change equipment (Figure 51).

Figure 51 – Do not touch bed

   A confirmation notification indicates when you are able to add or remove equipment (Figure 50).

5. Press **Enter** (F) (Figure 40).

   Note - Do not touch the product when you change equipment.

6. Add or remove equipment or devices from the product.
7. After you add or remove equipment or devices from the product, press **Enter** (F) (Figure 40).

To cancel the request, press **Exit** (E).

Changing the patient weight

To change the patient weight:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Change Ptnt Wght**.
3. Press and hold **Enter**. The **Hold to Change Patient Weight** message (Figure 52) will display until **Release Button** appears (Figure 53).

Figure 52 – Hold to change patient weight

Figure 53 – Release Button

4. Release **Enter**.

   Note - Do not touch the product when you configure patient weight (Figure 54).

Figure 54 – Do not touch bed

5. When the system is ready to change patient weight, press the **Up arrow** or **Down arrow** to change the displayed weight.
6. After you change the weight, press **Enter** and the message **Patient Weight Changed** will display.

To cancel the request, press **Exit** and the message **Operation Canceled** will display.

Changing the scale units

You can change the measuring unit to pounds (lb) or kilograms (kg) on your display.

Note - The default scale unit is pounds (lb).

To change the displayed scaled units:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Scale Units**.
3. Press **Enter**.
4. Select a scale unit (Figure 55).

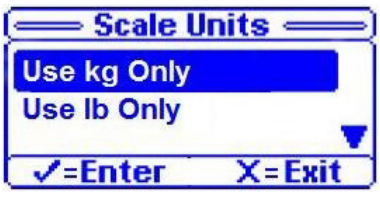


Figure 55 – Scale Units

5. Press **Enter**.

To cancel the request, press **Exit**.

Changing the backlight intensity

The backlight changes the LED backlight intensity for all control panels (operator control panel, patient control panel, and footboard control panel).

Note - The default backlight intensity is low.

Five settings are available for the control panel LED intensity.

Setting	LED intensity
1	Off
2	Low
3	Medium
4	High
5	Nurse call only

Note - The nurse call LED backlight on the patient control panel shows the patient which button to press to contact the nurse's station. Turning the nurse call LED backlight light off may compromise this ability in a darkened room.

To change the backlight LED intensity:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Backlight**.
3. Press **Enter**.
4. Select a backlight intensity (Figure 56).

Figure 56 – Backlight

5. Press **Enter**.

Setting the alarm tones

S3 has 10 alarm tone settings.

Note - The alarm tone you choose is the same tone used for all activated alarm options.

To set an alarm tone:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Advanced options**.
3. Press **Enter** (F).
4. Scroll to **Choose Exit Alarm**.
5. Press **Enter**.
6. Scroll through the alarm tones.

   Note - A brief sample of the tone plays as you scroll through the tone options.
7. Press **Enter**.

   Note - A confirmation notification indicates that you set the alarm tone.

Setting the brake alarm

You can set an alarm to alert you when the brake is not set and the product is plugged in.

To set the brake alarm:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Advanced options**.
3. Press **Enter** (F).
4. Scroll to **Brake Alarm**.
5. Press **Enter**.
6. Select **On**.
7. Press **Enter**.

Note - A confirmation notification indicates that you set the alarm tone.

Setting an audible iBed Awareness alarm

You can set an audible alarm to alert you when an **iBed** Awareness parameter condition is compromised and the product is plugged in.

To set an audible **iBed** Awareness alarm:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Advanced options**.
3. Press **Enter** (F).
4. Scroll to **Awareness Alarm**.
5. Press **Enter**.
6. Select **On**.
7. Press **Enter**.

Note - A confirmation notification indicates that you set the alarm tone.

Setting the iBed Awareness nurse call alarm

S3 sends a signal through the nurse call system when a parameter condition is compromised.

To set up an **iBed** Awareness alarm through the nurse call system:

1. Press **Menu** (A) (Figure 40).
2. Scroll to **Advanced options**.
3. Press **Enter** (F).
4. Scroll to **Status to nurse call**.
5. Press **Enter**.
6. Select **On**.
7. Press **Enter**.

Note - A confirmation notification indicates that you set the alarm tone.

iBed Awareness option

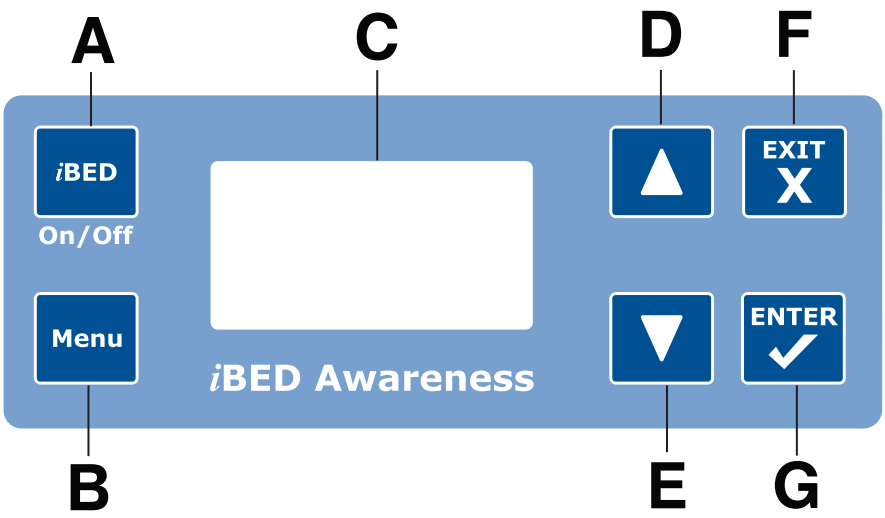


Figure 57 – iBed Awareness

Note - For a description of the menu functions, see *Menu display* (page 33).

A	**iBed**	Arms/disarms **iBed** Awareness
B	Menu	Accesses menu functions
C	Display	Displays menu functions
D	Up arrow	Scroll up through menu functions
E	Down arrow	Scroll down through menu functions
F	Exit	Exits from menu functions or cancels operation
G	Enter	Selects menu functions or saves operation

Configuring iBed Awareness

WARNING

- Do not use **iBed** Awareness to replace your patient monitoring protocol.
- Do not use **iBed** Awareness as a lock indicator for siderails. **iBed** Awareness only detects the position of the siderails.

CAUTION

- Always make sure that the siderails are locked before you arm **iBed** Awareness.
- Always make sure that you set the desired product parameters before you arm **iBed** Awareness.
- Do not use accessories that cover the footboard LED light bars.

When enabled, **iBed** Awareness helps to monitor **S3** status and parameter conditions.

To monitor a parameter, place the product to the desired position. You can monitor the low height position, **Chaperone** Bed Exit, and Fowler 30°+.

When armed, **iBed** Awareness automatically monitors all current siderail positions and the brake.

To arm **iBed** Awareness, press **iBed**.

Note - If there is an error in one of the product functions, an error code will appear. **iBed** Awareness will not arm. For more information about error codes, see the Maintenance Manual.

After you arm **iBed** Awareness, the LED light bars on the footboard illuminate green and the monitored footboard LED indicators illuminate.

To set an alarm tone for **iBed** Awareness, see *Setting an audible **iBed** Awareness alarm* (page 40).

To disarm **iBed** Awareness, press **iBed**.

Note - The settings for lockout controls, scale calibration data, **Chaperone** Bed Exit, and **iBed** Awareness are preserved when the product is unplugged, or during a power failure.

Acknowledging iBed Awareness status alerts

If the parameter conditions selected for **iBed** Awareness are changed:

- LED light bars on the footboard flash amber
- changed indicator LED on the footboard flashes
- sound alarm is triggered
- changed parameter status alert is displayed on the display screen

If the Low Height position changes, return the product to low height (Figure 58).

Figure 58 – Low Height status alert

If the brakes are released, apply the brake (Figure 59).

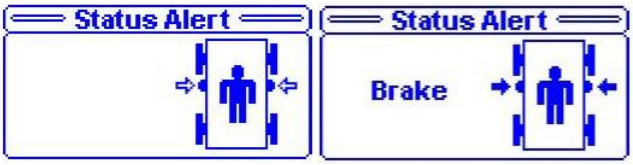


Figure 59 – Brake status alert

If a siderail position changes, return the affected siderail to its original position (Figure 60).

Note - The arrow in the status alert points to the affected siderail.

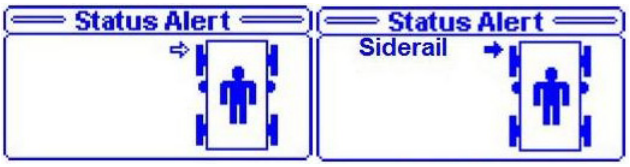


Figure 60 – Siderail status alert

If a patient moves from a **Chaperone** Bed Exit zone (Figure 61), you must:

- disarm **Chaperone** Bed Exit
- disarm **iBed** Awareness

Return the patient to the product and position the patient in the monitored zone. Arm **Chaperone** Bed Exit and arm **iBed** Awareness.

Figure 61 – Chaperone Bed Exit status alert

If Fowler 30°+ becomes unlocked, lock Fowler 30°+ (Figure 62).

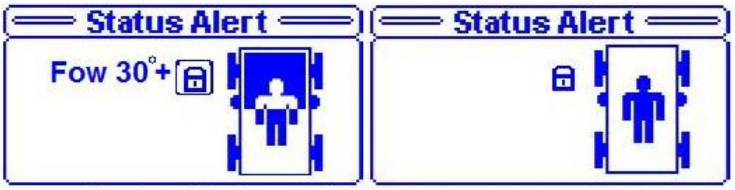


Figure 62 – Fowler 30°+ lock status alert

If the Fowler 30°+ position changes, return Fowler 30°+ to its original position (Figure 63).

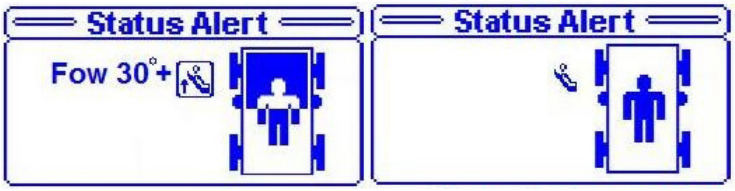


Figure 63 – Fowler 30°+ position status alert

Motion pendant with nurse call option

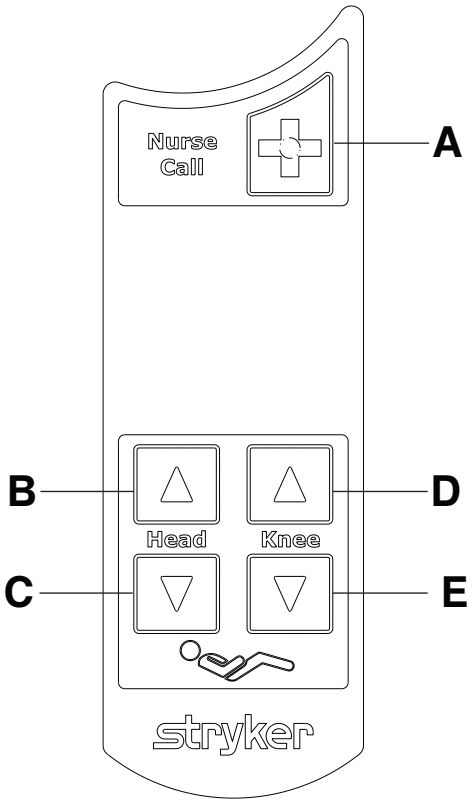


Figure 64 – Motion pendant with nurse call

A	Nurse call	Activates nurse call
B	Fowler up	Raises the Fowler
C	Fowler down	Lowers the Fowler
D	Gatch up	Raises the Gatch
E	Gatch down	Lowers the Gatch

Motion and communication pendant option

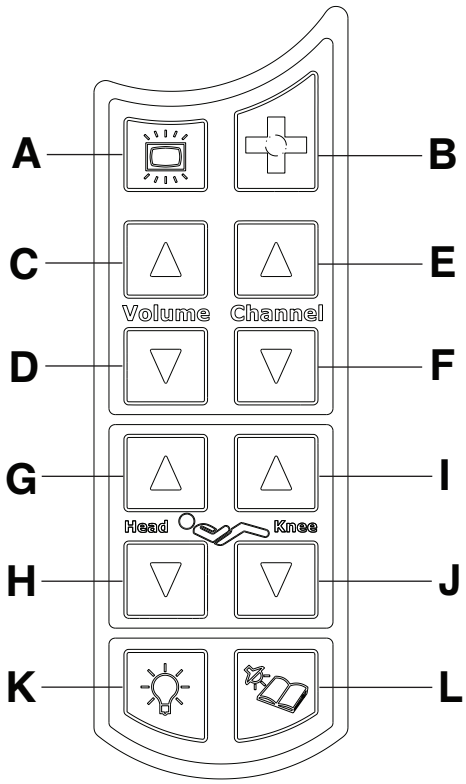


Figure 65 – Motion and communication pendant

A	TV	Turns the TV on or off
B	Nurse call	Activates nurse call
C	Volume up	Increases the volume
D	Volume down	Decreases the volume
E	TV Channel up	Changes the TV channel up
F	TV Channel down	Changes the TV channel down
G	Fowler up	Raises the Fowler
H	Fowler down	Lowers the Fowler
I	Gatch up	Raises the Gatch
J	Gatch down	Lowers the Gatch
K	Room light	Turns the room light on or off
L	Product overhead light	Turns the product overhead light on or off

Infrared (IR) module option

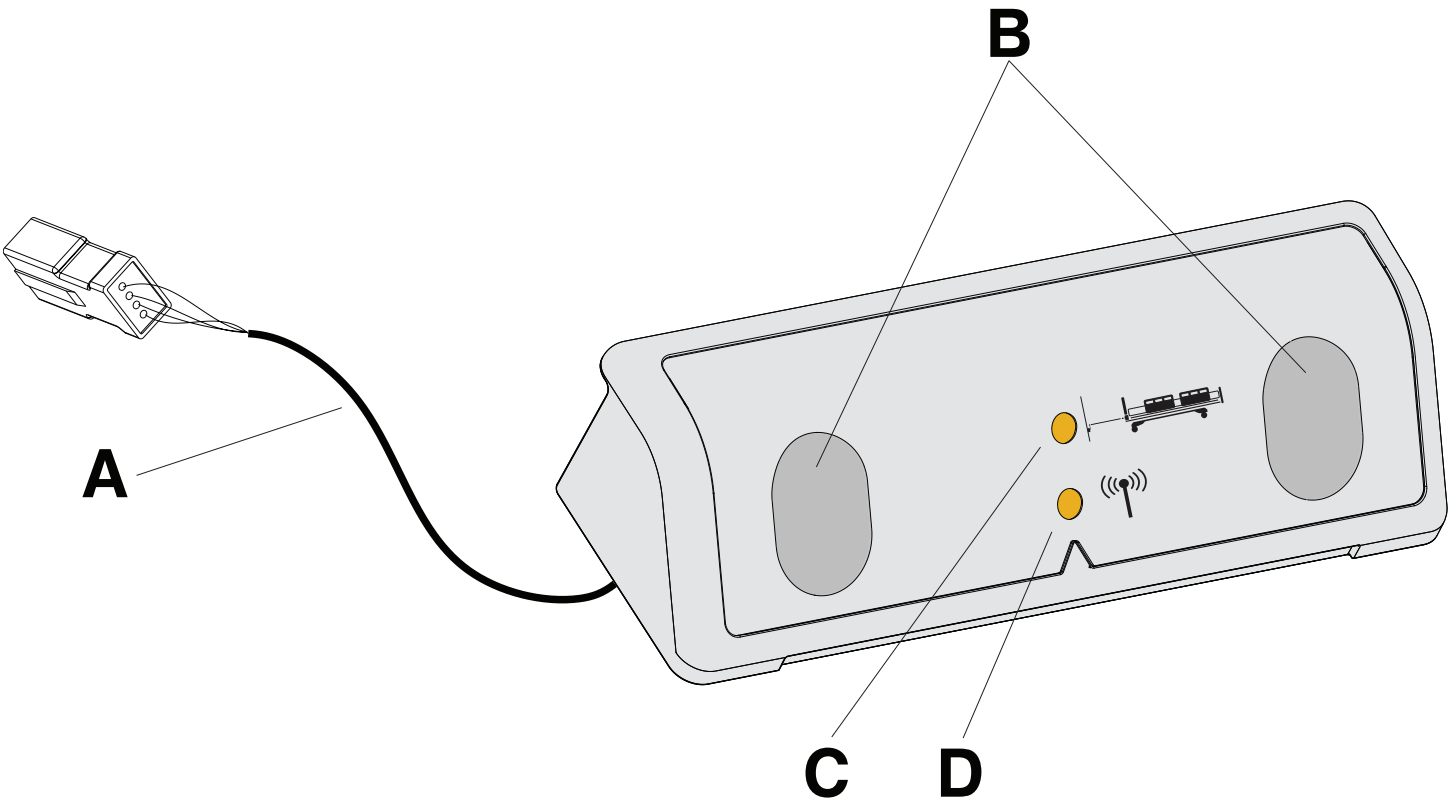


Figure 66 – IR module

A	IR (infrared) module cable	Connects to the bed and provides power and signal communications
B	IR (infrared) lens	Provides infrared communications with the **iBed** Locator
C	**iBed** Locator connection LED	Provides connection status for the IR (infrared) communications with **iBed** Locator Slow flash - Attempting to connect to **iBed** Locator Solid LED - **iBed** Locator connected Rapid flash - Error condition detected Off - **iBed** Locator is not trying to connect
D	Wireless (Wi-Fi) connection LED	Provides connection status for wireless (Wi-Fi) communications with wireless access point Slow flash - Wi-Fi attempting to connect Solid LED - Wi-Fi connected Rapid flash - Wi-Fi was not connected after six minutes and timed out

iBed Locator option

The **iBed** Locator provides the **iBed** Locator ID and battery status information to the IR module. See the **iBed** Locator Operations Manual for installation and procedures for the **iBed** Locator.

The IR (infrared) lens (A) provides infrared communications with the **iBed** IR module (Figure 67).

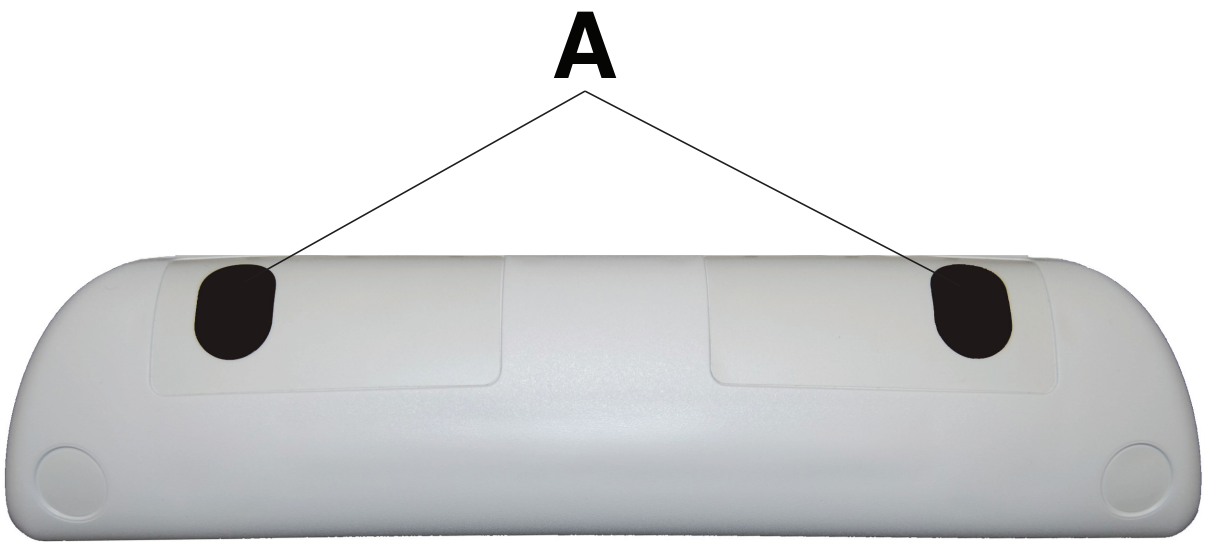


Figure 67 – iBed Locator

Accessories and parts

These accessories may be available for use with your product. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

Name	Number
Adapter bracket	3006-333-000
Bed extender	3006-700-047
Bed extender with pad	3006-999-149
Bed extender frame with **IsoTour** pad	3006-999-150
Bed extender mattress	3000-318-050
Defibrillator tray/chart surface	3006-120-004
IV pole, removable (with mounting assembly)	3001-338-010
IV pole, removable	3000-300-080
Havasu IV pole, two-stage, head end, left (with mounting assembly)	2035-112-000
Havasu IV pole, dual, head end (with mounting assembly)	2035-113-000
Havasu IV pole, dual, head end	2040-110-003
Havasu IV pole, two-stage, head end, left	2035-112-010
Havasu IV pole, two-stage, head end, right	2035-113-011
Oxygen bottle holder, upright	3006-150-000
Roller bumper, standard	3006-335-000
Roller bumper (for adapter bracket)	3006-345-000
Traction socket adapter, 1/2”	3000-337-050
Traction socket extension, 4” x 1/2”	3000-337-450
Traction socket extension, 4” x 3/4”	3000-337-475
Traction socket extension, 8” x 1/2”	3000-337-850
Traction socket extension, 8” x 3/4”	3000-337-875
Wall saver, single	3001-344-835

Date of manufacture for medical device accessories

The year of manufacture is the first four digits of the serial number.

Cleaning and disinfecting with SideKick

For United States only. Confirm availability for your configuration or region. Call Stryker Customer Service: 1-800-327-0770.

Stryker’s preferred 6" x 10" wipes (2060-000-001) include the following active ingredients:

- n-Alkyl (60% C14, 30% C16, 5% C12, 5% C18) dimethyl benzyl ammonium chloride - 0.154%
- n-Alkyl (68% C12, 32% C14) dimethyl ethylbenzyl ammonium chloride - 0.154%
- Isopropanol - 21.000%

Non-active ingredient: Ethylene Glycol Monobutyl Ether – < 3%

Note - For safety information, read the product label.

To clean or disinfect the external product surface with SideKick wipe:

To clean:

1. Wipe down the external product surface with a fresh, clean wipe to remove all visible soils.
2. Repeat as necessary until the external product surface is visibly clean.
3. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

Note - Use as many wipes as necessary.

To disinfect:

1. Clean first.
2. Wipe down the external product surface with a fresh, clean wipe until wet.
3. Allow the external product surface to remain wet for two minutes at room temperature.
4. Wipe dry with a cloth or allow the external product surface to air dry before you return the product to service.

Cleaning

CAUTION

- Do not clean, disinfect, service, or perform maintenance while the product is in use.
- Always unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the patient from the product, clean up the fluid, and inspect the product. Fluids can cause unpredictable operation and decreased functionality of any electrical product. Do not return the product to service until it is completely dry and you have tested for safe operation.
- Always clean hook and loop fasteners after each use. Saturate hook and loop fasteners with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon hook and loop fasteners should be determined by the hospital.

To remove undesirable build-up before disinfecting between uses:

1. Hand wash all surfaces on the product with a mild detergent using spray or pre-soaked wipes.
2. Clean all exposed surfaces.
3. Follow the cleaning solution manufacturer’s instructions for appropriate contact time and rinsing requirements.
4. Dry the product thoroughly before you return the product to service.

Avoid over saturation. Do not allow the product to remain wet.

Disinfecting

CAUTION

- Do not clean, disinfect, service, or perform maintenance while the product is in use.
- Always unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the patient from the product, clean up the fluid, and inspect the product. Fluids can cause unpredictable operation and decreased functionality of any electrical product. Do not return the product to service until it is completely dry and you have tested for safe operation.
- Always wipe down with clean water (or 70% isopropyl alcohol, if using **Virex®** TB) and dry each product after disinfecting. Some disinfectants are corrosive in nature and may cause damage to the product. If you do not rinse and dry the product, you may leave a corrosive residue on the surface of the product. This corrosive residue could cause premature degradation of critical components. Failure to follow these disinfecting instructions may void your warranty.
- Always clean hook and loop fasteners after each use. Saturate hook and loop fasteners with disinfectant and allow disinfectant to evaporate. Appropriate disinfectant for nylon hook and loop fasteners should be determined by the hospital.
- Do not use quaternary disinfectants formulated with glycol ethers.

The recommended disinfectants for this product's surfaces include the following:

- Quaternary (active ingredient - ammonium chloride) that contain less than 10% glycol ether.
- Phenolic (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (5.25% - less than 1 part bleach to 100 parts water)
- Isopropanol 21.000%

To wipe down the product with disinfectant between uses:

1. Follow the manufacturer's dilution recommendations exactly.
2. Apply the recommended disinfectant solution by spray or pre-soaked wipes.
3. Hand wash all surfaces of the product with the recommended disinfectant.
4. Disinfect all exposed surfaces.
5. Follow the disinfecting solution manufacturer's instructions for appropriate contact time and rinsing requirements.
6. Dry the product thoroughly before you return the product to service.

Avoid over saturation. Do not allow the product to remain wet.

Follow the manufacturer's dilution recommendations for appropriate contact time and rinsing requirements. Follow the chemical manufacturer's guidelines for proper disinfecting.

Preventive maintenance

Remove the product from service before you perform the preventive maintenance inspection. Check all items listed during annual preventive maintenance for all Stryker Medical products. You may need to perform preventive maintenance checks more often based on your level of product usage. Service only by qualified personnel.

Note - Clean and disinfect the exterior of the support surface before inspection, if applicable.

Inspect the following items:

_____ All fasteners are secure

_____ Apply brake pedal and push on bed to make sure that all casters lock

_____ LED on the footboard and head end siderails blink when brakes are released

_____ Locking steer caster locks and unlocks

_____ Siderails move, latch, and stow

_____ CPR release operable

_____ Foot prop intact and operable

_____ IV pole option is intact and operable

_____ Foley bag hooks intact

_____ No cracks or splits in headboard, footboard, or siderail panels

_____ No rips or cracks in mattress cover

_____ All functions on head end siderails operable (includes LEDs)

_____ All functions on footboard operable (includes LEDs)

_____ Scale and **Chaperone** Bed Exit system calibrated

_____ Motion interrupt switches operable

_____ Night light operable

_____ Power cord and plug not frayed or damaged

_____ No cables worn or pinched

_____ All electrical connections tight

_____ All grounds secure to the frame

_____ Ground impedance not more than 200 mΩ (milliohms)

_____ Current leakage not more than 300 µA (microamps)

_____ Apply grease to the litter grease points

_____ Ground chains are clean, intact, and have at least two links touching the floor

_____ Fowler angle accuracy is 0° - 60°

_____ Fowler holds position at 30° with patient weight

_____ Siderail switches operable (**iBed** Awareness option)

_____ Center light bar LED and side light LED operable (**iBed** Awareness option)

_____ Inspect footboard control labels for signs of degradation

_____ Inspect siderail gas spring for oil leaks

_____ Inspect Fowler damper for oil leaks

_____ All motions function

_____ Nurse call option functions

_____ Nurse call option battery functions

_____ **iBed** Wireless module and IR module are intact and footboard icons display (**iBed** Awareness option)

Product serial number:
Completed by:
Date:

FCC notification

Notifications

- FCC ID: Z7A-SDMAN
- IC NO. : 4919E-SDMAN

Notice

Federal Communication Interference Statement (United States Only)

This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

This device and its antenna(s) must not be co-located or operation in conjunction with any other antenna or transmitter.

For product available in the USA/Canada market, only channels 1-11 can be operated. Selection of other channels is not possible.

If this device is to be operated in the 5.15~5.25GHz frequency range, it is restricted to indoor environments only.

Antenna: Proprietary

Antenna gain information: Embedded Antenna: 2.5dBi (2.4 GHz), 3.5dBi (5 GHz)

Frequency Tolerance：+/-20ppm

EMC information

CAUTION - This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

Guidance and manufacturer's declaration - electromagnetic emissions		
The 3005 **S3** MedSurg bed is intended for use in the electromagnetic environment specified below. The customer or the user of the 3005 **S3** MedSurg bed should assure that it is used in such an environment.		
Emissions test	**Compliance**	**Electromagnetic environment**
RF Emissions CISPR 11	Group 1	The 3005 **S3** MedSurg bed uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	The 3005 **S3** MedSurg bed is suitable for use in all establishments other than domestic and those directly connected to the public low voltage power supply network that supplies buildings used for domestic purposes.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Complies	

Recommended separations distances between portable and mobile RF communication equipment and the 3005 S3 MedSurg bed			
The 3005 **S3** MedSurg bed is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the 3005 **S3** MedSurg bed can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the 3005 **S3** MedSurg bed as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter **W**	**Separation distance according to frequency of transmitter** **m**		
	150 kHz to 80 MHz **D=(1.2) (√*P*)**	**80 MHz to 800 MHz** **D=(1.2) (√*P*)**	**800 MHz to 2.5 GHz** **D=(2.3) (√*P*)**
0.01	1.12	0.12	0.23
0.1	0.38	0.38	0.73
1	1.2	1.2	2.3
10	3.8	3.8	7.3
100	12	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance *d* in meters (m) can be estimated using the equation applicable to the frequency of the transmitter, where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer. **Note -** At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies. **Note -** These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

Guidance and manufacturer's declaration - electromagnetic immunity			
The 3005 **S3** MedSurg bed is suitable for use in the electromagnetic environment specified below. The customer or the user of the 3005 **S3** MedSurg bed should assure that it is used in such an environment.			
Immunity test	**IEC 60601 test level**	**Compliance level**	**Electromagnetic environment-guidance**
Electrostatic Discharge (ESD) IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete, or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrostatic fast transient/ burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/ output lines	±2 kV for power supply lines ±1 kV for input/ output lines	Main power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV lines to lines ±2 kV lines to earth	±1 kV lines to lines ±2 kV lines to earth	Main power quality should be that of a typical commercial or hospital environment.
Voltage dips, voltage variations and short interruptions on power supply input lines IEC 61000-4-11	<5%U_T (>95% dip in U_T) for 0,5 cycle 40%U_T (60% dip in U_T) for 5 cycles 70%U_T (30% dip in U_T) for 25 cycles <5% U_T (>95% dip in U_T) for 5 sec.	<5%U_T (>95% dip in U_T) for 0,5 cycle 40%U_T (60% dip in U_T) for 5 cycles 70%U_T (30% dip in U_T) for 25 cycles <5% U_T (>95% dip in U_T) for 5 sec.	Main power quality should be that of a typical commercial or hospital environment. If the user of the 3005 **S3** MedSurg bed requires continued operation during power main interruptions, it is recommended that the device be powered from an uninterrupted power supply or a battery.
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
Note - U_T is the a.c. mains voltage before applications of the test level.			

Conducted RF IEC 61000- 4-6 Radiated RF IEC 61000-4-3	3 Vrms 150 kHz to 80 MHz 3 V/m 80 MHz to 2.5 GHz	3 Vrms 3 V/m	Portable and mobile RF communications equipment should be used no closer to any part of the 3005 **S3** MedSurg bed, including cables, than the recommended separation distance calculated from the equation appropriate for the frequency of the transmitter. Recommended separation distance D=(1.2) (√*P*) 80 MHz to 800 MHz D=(2.3) (√*P*) 800 MHz to 2.5 GHz where *P* is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and *d* is the recommended separation distance in meters (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey[a], should be less than the compliance level in each frequency range[b]. Interference may occur in the vicinity of equipment marked with the following symbol: 

Note - At 80 MHz and 800 MHz, the higher frequency range applies.

Note - These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

[a]Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast, and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the 3005 **S3** MedSurg bed is used exceeds the applicable RF compliance level above, the 3005 **S3** MedSurg bed should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the 3005 **S3** MedSurg bed.

[b]Over the frequency range 150 kHz to 80 MHz, field strengths are less than 3 V/m.

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WCR: AC.3

2025-07

3005-109-001 Rev AC.0