ProCuity™ Bed Series

Operations Manual

REF 3009

EN

3009-009-001 Rev A.0 2020/05

Symbols

	Refer to instruction manual/booklet
	Consult instructions for use
	General warning
	Caution
	Warning; electricity
	Fuse rating
	Non-ionizing radiation
REF	Catalogue number
SN	Serial number
MD	European medical device
CE	CE mark
EC REP	Authorized representative in the European Community
US Patents	For US Patents see www.stryker.com/patents
	Manufacturer
	Safe working load
	Mass of equipment
	NAWI Class IIII
	Maximum patient weight

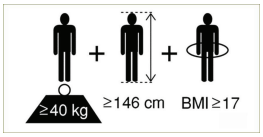
	Adult patient
~	Alternating current
⎓	Direct current
≤2m ≥18m	Duty cycle of product
	Unit provides terminal for connection of a potential equalization conductor. The potential equalization conductor provides direct connection between the unit and potential equalization busbar of the electrical installation.
	Protective earth ground
IPX4	Protection from liquid splash
	Type B applied part
CLASSIFIED C UL US 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/(R)2012 and A1:2012 C1:2009/(R)2012 and A2:2010/(R)2012, CAN/CSA-C22.2 No. 60601-1:14, IEC 60601-2-52:2009/A1:2015, CAN/CSA-C22.2 No. 60601-2-52:11 with Amendment 1:2017.
	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.

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 use Stryker approved support surfaces that have been tested for compatibility with the product frame to avoid the risk of patient entrapment.
- Always plug the product 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 map the ***i*Bed** Locator or **Secure**® Connect Locator to the location to provide location information. If you move an ***i*Bed** Locator or **Secure** Connect Locator after it has been set up and mapped, you must remap to the new location.
- Always use a Stryker supplied interface cable. Use of any other cable may cause the product to not function as intended, which may result in patient or user injury.
- Always connect this product to a supply mains with protective earth to avoid the risk of electric shock.
- Always make sure the product is connected to an appropriate power source if the loss of power would result in unacceptable risk.
- Always allow enough clearance between the head end of the product and the adjacent wall, so you can unplug the power cord from the wall outlet.
- Always store the power cord before you transport the product.
- Always disconnect the power cord from the wall outlet if you detect overheating of the battery, cables, or cords. Do not use the product until it has been inspected, serviced, and confirmed to work as intended by maintenance personnel.
- Always replace the battery after it surpasses its expected service life.
- Do not open the battery.
- Do not expose the battery to excessive heat.
- Do not spill liquid onto the battery or submerge the battery in liquid.
- Always store the power cord to avoid the risk of entanglement, damage to the power cord, or potential shock hazards. If the power cord is damaged, remove the product from service.
- Always use two people when you transport the product.
- Always lock the siderails in the full up position with the sleep surface horizontal when you transport a patient.
- Always keep limbs, hands, fingers, and other body parts clear of mechanisms and gaps.
- Always make sure that there are no obstacles near the product. Injury to the patient, operator, bystanders or damage to the frame or surrounding equipment could occur if you collide with an obstacle.
- Do not attempt to transport the product laterally. This may cause the product to tip.
- Always apply the brakes when a 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 the product is in motion.

- 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.
- Do not attempt to release steer lock while the product is in motion.
- Do not use the headboard for CPR support.
- Always set the siderail position for appropriate patient safety.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.
- Only use hospital grade electric equipment consuming 5A or less with the auxiliary outlet. The use of standard electric equipment may bring the current leakage to a level unacceptable for hospital equipment.
- Do not use the auxiliary outlet for life sustaining equipment.
- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient's condition requires extra safety measures.
- Do not use the scale system reading as a reference for medical treatment.
- The scale system assists only to monitor the patient’s weight variation.
- Do not use bed exit to replace patient monitoring protocol, it is intended only to aid in the detection of a patient exiting the product.
- Always use two people to attach or remove the patient helper.
- Do not load the patient helper above the safe working load of 200 lb (90.7 kg).
- Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be no closer than 12 inches (30 cm) to any part of **ProCuity** bed series, including cables specified by the manufacturer.
- Avoid stacking or placing equipment adjacent with other equipment to prevent improper operation of the product. If such use is necessary, carefully observe stacked or adjacent equipment to make sure that they operate properly.
- The use of accessories, transducers, and cables, other than those specified or provided by the manufacturer, could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.

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.
- Do not clean, disinfect, service, or perform maintenance while the product is in use.
- Always plug the product into a hospital grade protective earthed outlet when not in use to maintain a sufficient battery charge and to maximize product performance while operating on battery power.
- Always replace batteries that have corrosion at the terminals, display cracking, have expanded or bulging sides, or no longer can maintain a full charge.
- Always use authorized batteries when you replace the batteries. Use of unauthorized batteries may lead to unpredictable system performance.
- Do not pinch the power cord in the bed frame.
- Do not use the siderails as a push or pull device. Always move the product using the integrated handles in the headboard and footboard.
- Always remove the patient helper before you transport the product.
- Do not use the patient helper as a push or pull device.
- Do not use the oxygen bottle holder as a push or pull device.
- Do not use the IV pole as a push or pull device.
- Always make sure that the IV pole is at a low height during transport.
- Always make sure that all persons and equipment are away from the area below and around the Fowler before you activate the CPR release handle. The CPR release handle is for emergency use only.
- Always make sure that the product is clear of obstacles before you use motion functions.
- Do not load the IV pole above the safe working load of 40 lb (18 kg).

- Do not load an individual IV pole hook above the safe working load of 20 lb (9 kg).
- Always secure the lifting pole in the mounting bracket before you adjust the patient helper.
- Always make sure that the patient helper mounting bracket is secure before use.
- Do not load the oxygen bottle holder above the safe working load of TBD lb.
- Always unplug the power cord from the wall outlet when large spills occur near the circuit boards, cables, and motors. Remove the occupant 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 dry and 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.

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 3009 **ProCuity**™ bed series is a powered, adjustable hospital bed with a patient support surface.

The product contains siderails that you can lock into three positions, a headboard, and a footboard. The product has Fowler, Gatch, and lift articulation capabilities, which aid to adjust surface contour, angle, and bed height. The product transports patients aided by the optional **Zoom®** function. The product features manual and electronic brakes. Product height range is adjustable between 11.5 inches to 32 inches. The Fowler raises to 70 degrees.

Various options are available, including ***i*Bed®** Watch, ***i*Bed** Wireless, scale, bed exit, auxiliary AC outlet option, IV pole, and defibrillator tray.

- Integrated scale to track patient weight fluctuation throughout a patient's stay.
- ***i*Bed** Watch to set various bed parameters to track bed position. Both ***i*Bed** Watch and the bed exit system provide visual and audible alerts.
- ***i*Bed** Wireless to monitor product parameters that a healthcare provider (HCP) views or sets at the bedside or from a remote location.
- Motion and feature lockouts, set by the HCP, to limit patient accessible controls for compliance to set bed parameters.
- Nurse call capability through a wired connection or wireless headwall.

Indications for use

The 3009 **ProCuity** bed series is intended for use to assist with positioning, therapy, recovery, support, and transport of patients within an acute care facility. The intended user is both HCPs (nurses, nurse aides, and medical doctors) and human patients.

This product can be used with both adult and pediatric patients that weigh more than 60 lb, with a maximum height of 84 inches without bed extender or 96 inches with bed extender.

The scale output is not intended to be used to determine diagnosis or treatment.

***i*Bed** Wireless with ***i*Bed** Watch provides clinical staff the ability to set, adjust, and monitor specific bed parameters from a remote location within a healthcare facility through bidirectional data communication. The bed parameters include bed brake status, siderail position, bed exit zone and sensitivity, ***i*Bed** Watch enablement, bed motion lock, and bed scale observation. The desired bed parameters will be set by clinicians at bedside. ***i*Bed** Wireless with ***i*Bed** Watch is intended for use only with specific enabled Stryker beds that are verified and validated with the ***i*Bed** Wireless software and is not intended to provide bed status information for non-Stryker beds. Patient health information is not communicated or stored.

This product is not intended for use with:

- Behavioral health patient use
- Newborn (neonate) or infant patient use
- Oxygen rich environments
- Home care or long-term care facility settings

Expected service life

The **ProCuity** bed series has a 10 year expected service life under normal use conditions and with appropriate periodic maintenance.

The backup batteries have a one year expected service life under normal use conditions.

Disposal/recycle

Always follow the current local recommendations and/or regulations governing environmental protection and the risks associated with recycling or disposing of the equipment at the end of its useful life.

Contraindications

None known.

Specifications

WARNING - Always use Stryker approved support surfaces that have been tested for compatibility with the product frame to avoid the risk of patient entrapment.

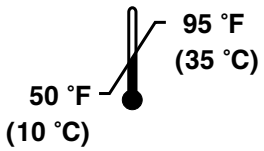
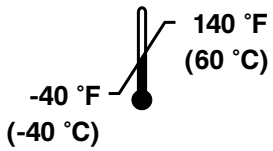
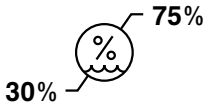
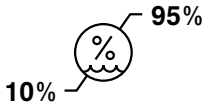
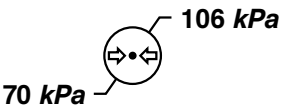
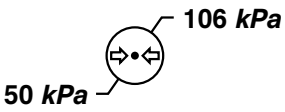
	Safe working load **Note:** Safe working load indicates the sum of the occupant, accessories, and mattress weight.		550 lb	249.5 kg
	Maximum patient weight		500 lb	226.8 kg
	Mass of equipment with safe working load	Standard	1000 lb	453.6 kg
		Zoom (ZM option)	1100 lb	499 kg
Product weight		Standard	450 lb	204.1 kg
		Zoom (ZM option)	550 lb	249.5 kg
Scale system capacity maximum			551.2 lb	250 kg
Scale system accuracy (non-NAWI)			± 3 lb (1.4 kg) of the total patient weight for patients who weigh 60 lb (27.2 kg) to 100 lb (45.4 kg)	
			± 3% of the total patient weight for patients who weigh 100 lb (45.4 kg) to 550 lb (249.5 kg)	
	Scale system accuracy (NAWI) MAX = 250 kg, MIN = 20 kg, e = 2 kg, Tare = -60 kg		± 2.2 lb (1 kg) for patients who weigh 44 lb (20 kg) to 220 lb (100 kg)	
			± 4.4 lb (2 kg) for patients who weigh 220 lb (100 kg) to 551 lb (250 kg)	
Patient sleep surface		Standard	84 in. x 35 in.	213.4 cm x 88.9 cm

	With bed extender accessory	94.5 in. x 35 in.	240 cm x 88.9 cm
Bed height to top of seat litter	Standard	12 in. to 30 in.	30.5 cm x 76.2 cm
	Zoom	14 in. to 32 in.	35.6 cm x 81.3 cm
Gatch position		0° to 30° ± 5°	
Fowler position		0° to 65° ± 5°	
Trendelenburg and reverse Trendelenburg		+12° to -12° ± 5°	
Electrical requirements **Note** - Class I Electrical Equipment: Protection against electrical shock relies on connection to protective earth of an appropriately rated hospital grade outlet.		120 VAC, 60 Hz, 8A	230 VAC, 50 Hz, 4A
Hospital grade auxiliary outlet		120 VAC, 60 Hz, 8A	230 VAC, 50 Hz, 4A
Battery voltage **Note** - Always replace with Stryker approved batteries.		12 VDC, 1.2 Ah (x2) (Stryker part number: 700000341245)	
Duty cycle		2 minutes ON, 18 minutes OFF	
Application environments		1, 2, 3, and 5 per IEC 60601-2-52	
Maximum acoustic sound pressure		64 dBa	

Compatible support surfaces	**Length**		**Width**		**Thickness**	
Model 2850 **ComfortGel™**	84 in.	213.4 cm	35 in.	88.9 cm	7 in.	17.8 cm
Model 2860 **IsoFlex®**	84 in.	213.4 cm	35 in.	88.9 cm	6 in.	15.2 cm
Model 2872 **IsoTour®**	84.25 in.	214 cm	35.5 in.	90.2 cm	9.5 in.	24.1 cm
Model 2815 **ProForm®**	84 in.	213.4 cm	35 in.	88.9 cm	6 in.	15.2 cm
Model 2940 **IsoAir®**	84 in.	213.4 cm	35 in.	88.9 cm	7 in.	17.8 cm
Model 2973 **Isolibrium®** (ZM option only)	84 in.	213.4 cm	35 in.	88.9 cm	8-10.5 in.	20.3-26.7 cm

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		
Relative humidity (non-condensing)		
Atmospheric pressure		

Wi-Fi radio specifications (option)

Manufacturer/model	Silex SX-SDMAC-2832S+
Chipset	Qualcomm QCA9377-3
IEEE 802.11	a/b/g/n/ac
RF bands	2.4 GHz, 5 GHz
Encryption	AES and TKIP (TKIP is not supported with WPA2)
Authentication	WPA Personal/Enterprise and WPA2 Personal/Enterprise
802.1X	PEAP-MSCHAP - v2
Client certificates	Stryker ***i*Bed** Wireless client(s) cannot accept or upload certificates
Supported data rates	802.11b/g: 1-54 Mbps 802.11a: 6-54 Mbps 802.11n: MCS0-7 802.11ac: MCS0-9 (compatible)
Hash function compatibility	SHA-1 and SHA-2 server side certificate recognition for PEAP-MSCHAP - v2
Channel plan	2.4 GHz: All Channels Supported 5 GHz: All Channels Supported (Recommend against the use of DFS and ISM Channels)
Other	Leverage hospital SSID Support for 802.11r Support for Cisco CCX (Fast roaming)

Item	Specification - Chipset QCA9377-3 (Qualcomm Atheros)				Unit
	Band	Mode	Min	Max	
Operating frequencies	2.4GHz	11b	2412	2472	MHz
		11g/n/ac	2412	2472	MHz

Item	Specification - Chipset QCA9377-3 (Qualcomm Atheros)				Unit
	Band	Mode	Min	Max	
		11g/n/ac	2422	2462	MHz
	5GHz	11a/n/ac	5180	5825	MHz
		11n/ac	5190	5795	MHz
		11ac	5210	5775	MHz
Frequency steps	2.4GHz	11b/g/n	5		MHz
	5GHz	11a/n/ac	20		MHz
		11n/ac	40		MHz
		11ac	80		MHz
Modulation types	Not applicable	11b	DSSS (DBPSK, DQPSK, CCK)		Not applicable
	Not applicable	11a/g/n	OFDM (BPSK, QPSK, 16QAM, 64QAM)		Not applicable
	Not applicable	11ac	OFDM (BPSK, QPSK, 16QAM, 64QAM, 255QAM)		Not applicable
Maximum ERP	Not applicable	Not applicable	-8.648		dBW

Bluetooth radio specifications (option)

Item	Specification - Chipset WT32i (Silicon Labs)			Unit
	Channel	Min	Max	
Operating frequencies	79	2.4	2.4835	GHz
Receiving bandwidth	Not applicable	1		MHz
Maximum ERP	Not applicable	-21.148		dBW

System requirements and recommendations for *i*Bed Wireless (option)

To implement ***i*Bed** 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.

*i*Bed Wireless data usage (option)

- ***i*Bed** Wireless uses 10-15 KB per connected Wi-Fi radio every 40 seconds.
- ***i*Bed** Wireless uses an additional 15-40 KB per Wi-Fi radio for each subscription created by a third-party vendor like Connexall, Capsule, Epic, and Cerner.

Note - Based on network conditions, Wi-Fi radio messages are typically sent within five minutes when connected. This depends on product activity like when you apply the brakes, adjust the rails, alarms, and how the third-party defines subscription times.

Customer network communication requirements for *i*Bed Wireless (option)

LAN environment		**Note**
Wi-Fi radio communication	IPv4 only	Not applicable
Wi-Fi radio IP allocation	Static	• If Static - Unique IP address will be required for each Wi-Fi radio MAC address
	DHCP	• If DHCP and not using a DNS name - Each Wi-Fi radio 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 Wi-Fi radio MAC address for Wi-Fi radio management ◦ Stryker recommends using the Wi-Fi radio host name when the Wi-Fi radio connects to the wireless network - Example: SYK-00197b12365 so it may look like http://SYK-00197b12365.hosp.org
***i*Bed** Server IP allocation	Static IP required	Not applicable
VLAN	New, existing	Install Wi-Fi radio on a separate VLAN

IP traffic environment		
Source	**Protocol / Port number**	**Destination**
***i*Bed** Server	TCP/80/443	Wi-Fi radio
Wi-Fi radio	TCP/80/443	***i*Bed** 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 (MedSurg only)	Yes
Minimum SNR	Minimum 20dB	Yes
Priority queuing	Prioritized over best effort traffic	Recommended
Client exclusion	Disabled	Recommended
Client load balancing	Disabled	Recommended

Customer WLAN environment		Required
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 AP's transmit power is higher than the Wi-Fi radio (~6 mW 2.4 GHz or 12 mW 5 GHz). Verify the received signal strength indicator (RSSI) of the Wi-Fi radio on the AP. The Wi-Fi radio should never drop below an RSSI of -75 dBm on the AP.

Product illustration

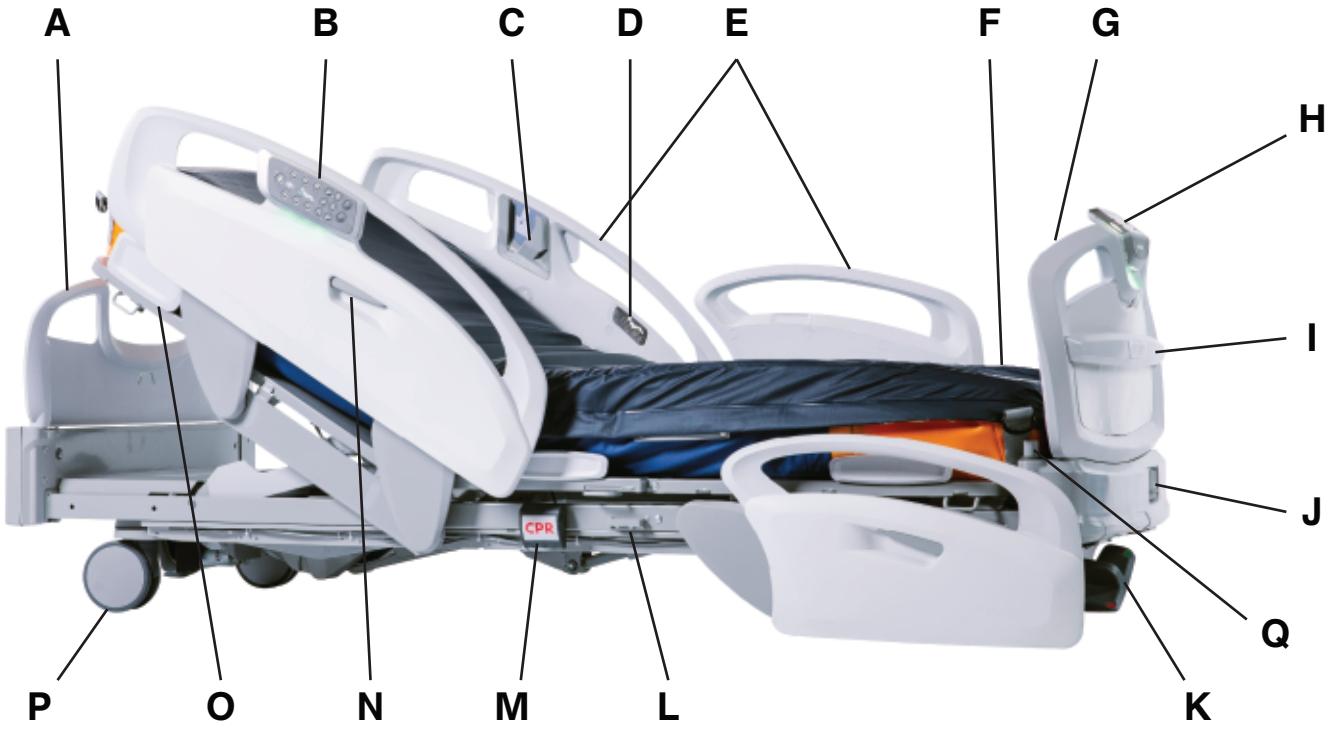


Figure 1 – Model 3009 ProCuity bed series

A	Headboard	J	Auxiliary outlet
B	Operator control panel	K	Brake/steer pedal
C	Patient storage	L	Foley bag hook
D	Patient control panel	M	CPR release handle
E	Siderail	N	Siderail release
F	Support surface	O	Mattress retainer
G	Footboard	P	Caster
H	Footboard control panel	Q	Traction socket
I	Integrated pump rack		

Applied parts

Figure 2 – Type B applied parts

Contact information

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

Stryker Medical
3800 E. Centre Avenue
Portage, MI 49002
USA

Note - The user and/or the patient should report any serious product-related incident to both the manufacturer and the Competent authority of the European Member State where the user and/or patient is established.

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) below the headboard at the head of the bed (TBD).

Setup

WARNING - Always plug the product 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.

CAUTION - Do not clean, disinfect, service, or perform maintenance while the product is in use.

Note - Allow the product to reach room temperature before you conduct any setup or test functional operations.

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 display at the foot end of the product comes on.
2. Siderails raise, lower, lock in the up position, and lock in the intermediate position when lowered (*Raising the siderails* (page 20), *Lowering the siderails* (page 20)).
3. Apply the brake. Push on the product to make sure that all four casters are locked (*Applying or releasing the brakes* (page 18)).

   Note - The **Brake** icon (H) located on the footboard control panel (*Footboard control panel - Menu controls* (page 24)) illuminates when the brakes are applied.
4. Release the brake. Push on the product to make sure that all four casters are unlocked.
5. Raise the Fowler (head of bed) to approximately 60°.
6. Pull the CPR release handle to make sure that the back will drop with minimal effort (*Activating the CPR release handle* (page 19)).
7. Perform each function on the footboard control panel to make sure that each function works (*Footboard control panel - Menu controls* (page 24), *Footboard control panel - Position* (page 25)).
8. Perform each function on each control panel on the head end siderails to make sure that each function works (*Operator control panel, basic, outside siderail* (page 21), *Operator control panel, advanced, outside siderail (option)* (page 22)).
9. Activate the motion stop system. Press **Bed height down** (J) (*Footboard control panel - Position* (page 25)) to lower the litter. As the litter lowers, push up on the motion interrupt pan under the litter to make sure that downward motion stops. Release the pan and allow downward motion to continue.

Setting up *i*Bed Wireless (option)

WARNING - Always map the ***i*Bed** Locator or **Secure**® Connect Locator to the location to provide location information. If you move an ***i*Bed** Locator or **Secure** Connect Locator after it has been set up and mapped, you must remap to the new location.

To setup your product to receive a wireless connection, you must set up the ***i*Bed** Locator or **Secure** Connect Locator on the wall at the head end of the product. The ***i*Bed** Locator or **Secure** Connect Locator communicates with the product. For instructions about how to mount the ***i*Bed** Locator or **Secure** Connect Locator, see the instructions for use included with your optional ***i*Bed** Locator or **Secure** Connect Locator.

Contact Stryker Technical Support at (800) 327-0770 with any set up questions.

Note - You must load the wireless connection settings before the device will communicate with the ***i*Bed** Server application. See the ***i*Bed** Server Installation/Configuration Manual.

Setting up wired nurse call communication

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

To setup nurse call communication:

Note - The product is equipped with an input that accepts a DB-37 nurse call cable.

1. Plug the interface cable into the 37-pin connector on the litter frame at the head end of the product (A) (Figure 3).

   Note - Only connect the 37-pin connector to the 37-pin connection on the product or the product Communications Tester (sold separately).

2. Plug the interface cable into the applicable connection (patient station, head wall, or docker station).
3. Press the **Nurse call** button (B) to verify the connection between the product's nurse call signal and the hospital's nurse call system (*Operator control panel, basic, outside siderail* (page 21), *Operator control panel, advanced, outside siderail (option)* (page 22)).

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

Figure 3 – 37-pin connector

Setting up wireless nurse call communication

TBD

1.

Operation

Plugging or unplugging the product

WARNING

- Always connect this product to a supply mains with protective earth to avoid the risk of electric shock.
- Always make sure the product is connected to an appropriate power source if the loss of power would result in unacceptable risk.
- Always allow enough clearance between the head end of the product and the adjacent wall, so you can unplug the power cord from the wall outlet.
- Always store the power cord before you transport the product.

To plug in the product, plug the power cord into a hospital grade protective earthed outlet.

To unplug the product, grasp the mold near the outlet and pull in a direction parallel to the floor (not at an angle).

Charging the battery

WARNING

- Always disconnect the power cord from the wall outlet if you detect overheating of the battery, cables, or cords. Do not use the product until it has been inspected, serviced, and confirmed to work as intended by maintenance personnel.
- Always replace the battery after it surpasses its expected service life.
- Do not open the battery.
- Do not expose the battery to excessive heat.
- Do not spill liquid onto the battery or submerge the battery in liquid.

CAUTION

- Always plug the product into a hospital grade protective earthed outlet when not in use to maintain a sufficient battery charge and to maximize product performance while operating on battery power.
- Always replace batteries that have corrosion at the terminals, display cracking, have expanded or bulging sides, or no longer can maintain a full charge.
- Always use authorized batteries when you replace the batteries. Use of unauthorized batteries may lead to unpredictable system performance.

This product is equipped with a battery backup system that charges when the product is plugged into a wall outlet. The battery backup system allows the operator to use the product when the product is unplugged, during a power failure, or during transport. Battery backup functionality activates when you unplug the product.

Always check battery backup function. Replace the battery if it does not perform as intended during preventive maintenance.

To charge the battery, connect the product to a hospital grade protective earthed outlet. The battery has a full charge within eight hours.

Storing the power cord

WARNING

- Always store the power cord before you transport the product.
- Always store the power cord to avoid the risk of entanglement, damage to the power cord, or potential shock hazards. If the power cord is damaged, remove the product from service.

CAUTION - Do not pinch the power cord in the bed frame.

To store the power cord and auxiliary cord, wrap the cords and secure them with the cord wrap (A) under the head end of the product (Figure 4).

Figure 4 – Storing the power cord

Transporting the product

WARNING

- Always use two people when you transport the product.
- Always store the power cord before you transport the product.
- Always lock the siderails in the full up position with the sleep surface horizontal when you transport a patient.
- Always keep limbs, hands, fingers, and other body parts clear of mechanisms and gaps.
- Always make sure that there are no obstacles near the product. Injury to the patient, operator, bystanders or damage to the frame or surrounding equipment could occur if you collide with an obstacle.
- Do not attempt to transport the product laterally. This may cause the product to tip.

CAUTION

- Do not use the siderails as a push or pull device. Always move the product using the integrated handles in the headboard and footboard.
- Always remove the patient helper before you transport the product.
- Do not use the patient helper as a push or pull device.
- Do not use the oxygen bottle holder as a push or pull device.
- Do not use the IV pole as a push or pull device.
- Always make sure that the IV pole is at a low height during transport.

To transport the product:

1. Lock the siderail control panel functions (*Footboard control panel - Motion Lock* (page 26)).
2. Unplug the power cord from the wall outlet.
3. See *Storing the power cord* (page 17).
4. Lower the IV pole (*Raising or lowering the IV pole (option)* (page 33)).
5. Turn the oxygen bottle holder in toward the product.
6. Raise and lock the siderails in the full up position (*Raising the siderails* (page 20)).
7. Release the brakes (*Applying or releasing the brakes* (page 18)).
8. Push the product from the headboard or footboard.

Applying or releasing the brakes

WARNING

- Always apply the brakes when a 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 the product is in motion.

You can find the brake pedals at the head end and foot end of the product.

To apply the brakes, depress the red side of the pedal (Figure 5). The brake pedal locks all four casters to hold the product in place.

To release the brakes, depress the green side of the pedal until the pedal is in the neutral position (Figure 6). This releases all four casters and allows you to move the product.

To apply or release the brakes with the electric brake option, press the **Brake** button (O) on the operator control panel (*Operator control panel, advanced, outside siderail (option)* (page 22)) or press the **Brake** icon (H) on the footboard control panel (*Footboard control panel - Menu controls* (page 24)).

Note - The **Brake** icon (I, O) on the operator control panel (*Operator control panel, basic, outside siderail* (page 21), *Operator control panel, advanced, outside siderail (option)* (page 22)) and the **Brake** icon (H) on the footboard control panel (*Footboard control panel - Menu controls* (page 24)) illuminates when you release the brakes.

Figure 5 – Applying the brakes

Figure 6 – Releasing the brakes/neutral position

Applying or releasing steer lock

WARNING

- Always lock the siderails in the full up position with the sleep surface horizontal when you transport 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.
- Do not attempt to release steer lock while the product is in motion.

Steer lock guides the product along a straight line when you transport and pivot the product around corners. The steer lock pedal locks the casters on the foot end. The steer lock pedal is at both the head end and foot end of the product.

To transport with steer lock:

1. Align the casters to face the direction of transport.
2. To apply the steer caster, depress the green side of the pedal (Figure 7).

To release steer lock, depress the red side of the pedal until the pedal is in the neutral position (Figure 8).

Note - To move the product in any direction, release the steer lock pedal.

Figure 7 – Applying steer lock

Figure 8 – Releasing steer lock/neutral position

Activating the CPR release handle

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 handle. The CPR release handle is for emergency use only.

When you raise the Fowler and need quick access to the patient, pull the CPR release handle to position the product to 0°.

The two CPR release handles are on the left and right side of the litter Gatch section (A) (Figure 9).

To pull the CPR release handle:

1. Pull the handle (A) on the left or right side of the litter Gatch section (Figure 9).

   Note - Release the CPR release handle at any time to stop product Fowler, Gatch, and foot section motion.
2. Guide the Fowler to the flat position.

   Note - When you pull the CPR release handle, the Gatch and foot section lower.

Figure 9 – Activating the CPR release handle

Removing or replacing the headboard

WARNING - Do not use the headboard for CPR support.

You can remove the headboard (A) (*Product illustration* (page 12)) to access the patient or to clean the product.

To remove the headboard:

1. Grasp the handles and lift the headboard straight up and off the product.

To replace the headboard:

1. Align the headboard pegs with the sockets at the head end of the product.
2. Lower the headboard until the headboard seats into the sockets.

Removing or replacing the footboard

You can remove the footboard (G) (*Product illustration* (page 12)) to access the patient or to clean the product.

To remove the footboard:

1. Grasp the handles and lift the footboard straight up and off the product.

To replace the footboard:

1. Align the footboard pegs with the sockets at the foot end of the product.
2. Lower the footboard until the footboard seats into the sockets.

Raising the siderails

WARNING

- Always set the siderail position for appropriate patient safety.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

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

When you raise the siderails, listen for a click to indicate that the siderail locks into position. Pull on the siderail to make sure the siderail locks.

- To raise the siderail to the highest position, press and hold the siderail release (N) (*Product illustration* (page 12)) and rotate the siderail up from either the lowest position or intermediate position (Figure 10).

Figure 10 – Siderail highest position

- To raise the siderail to the intermediate position, grasp and rotate the siderail up from the lowest position until you hear the siderail click (Figure 11).

Figure 11 – Siderail intermediate position

Lowering the siderails

WARNING

- Always set the siderail position for appropriate patient safety.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

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

When you lower the siderails, listen for a click to indicate that the siderail locks into position. Pull on the siderail to make sure the siderail locks.

- To lower the siderail to the intermediate position, press the siderail release (N) (*Product illustration* (page 12)) and rotate the siderail forward until the siderail stops at the intermediate position (Figure 11).
- To lower the siderail to its lowest position, press and hold the siderail release and rotate the siderail to the lowest position (Figure 12).

Figure 12 – Siderail lowest position

Securing a Foley bag to the Foley bag hook

Note

- The safe working load of the Foley bag hook is 10 lb (4.5 kg).
- Do not allow the Foley bag to touch the ground while the product is in low height.

There are two Foley bag hooks under the foot section (L) (*Product illustration* (page 12)), one on either side of the product.

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

Activating nurse call

Nurse call allows the patient or healthcare professional to send a signal to the nurse station for assistance.

To activate nurse call, press the **Nurse call** button (B) (*Operator control panel, basic, outside siderail* (page 21), *Operator control panel, advanced, outside siderail (option)* (page 22)) (A) (*Patient control panel, inside siderail* (page 23)).

Note - Nurse call requires a connection between the product and an applicable input (patient station, head wall, or docker station). See *Setting up wired nurse call communication* (page 14).

Connecting peripheral equipment to the auxiliary outlet

WARNING

- Only use hospital grade electric equipment consuming 5A or less with the auxiliary outlet. The use of standard electric equipment may bring the current leakage to a level unacceptable for hospital equipment.
- Do not use the auxiliary outlet for life sustaining equipment.

The auxiliary outlet is a built-in outlet for peripheral equipment. The auxiliary outlet (J) is at the foot end of the product (*Product illustration* (page 12)).

Note - Resettable circuit breakers at the head end of the product protect the auxiliary outlet.

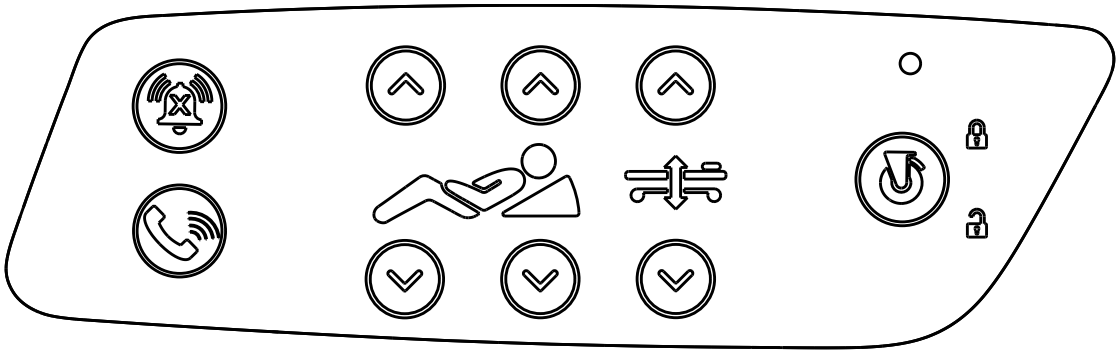
Operator control panel, basic, outside siderail

WARNING

- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

CAUTION - Always make sure that the product is clear of obstacles before you use motion functions.

Note - The motion button flashes when the product reaches the motion limit.



A	Bed exit	Press and hold to cancel bed exit alarm
B	Nurse call	Activates nurse call
C	Gatch up	Raises the Gatch
D	Gatch down	Lowers the Gatch
E	Fowler up	Raises the Fowler
F	Fowler down	Lowers the Fowler
G	Fowler 30°+	Illuminates when the Fowler is 30°+
H	Bed height up	Raises the litter
I	Bed height down	Lowers the litter
J	Brake indicator	Illuminates when you apply or release the brake

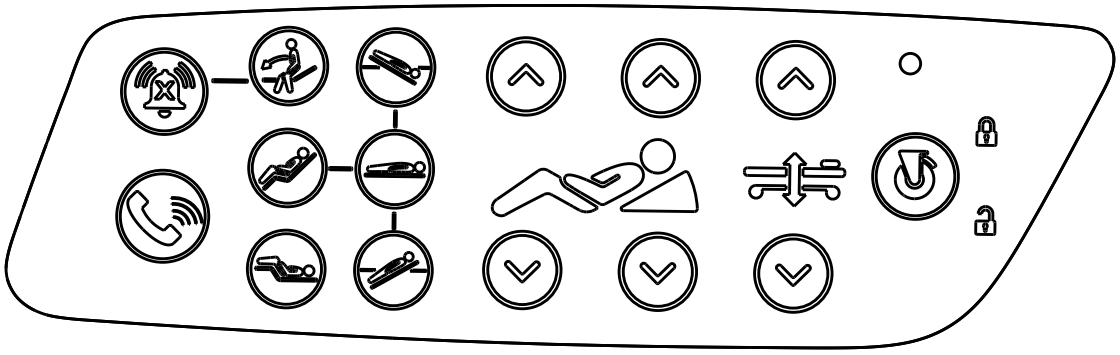
Operator control panel, advanced, outside siderail (option)

WARNING

- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

CAUTION - Always make sure that the product is clear of obstacles before you use motion functions.

Note - The motion button flashes when the product reaches the motion limit.



A	Bed exit	Press and hold to cancel bed exit alarm
B	Nurse call	Activates nurse call

C	Patient ingress/egress	Places the product into a position for patient ingress or egress **Note** - The patient ingress or egress button disables bed exit.
D	Cardiac chair position	Places the product into the cardiac chair position
E	Vascular position	Places the product into the vascular position
F	Trendelenburg	Places the product into the Trendelenburg position (head down with foot up)
G	Bed flat	Places the product into a 0° horizontal position
H	Reverse Trendelenburg	Places the product into the Reverse Trendelenburg position (head up with foot down)
I	Gatch up	Raises the Gatch
J	Gatch down	Lowers the Gatch
K	Fowler up	Raises the Fowler
L	Fowler down	Lowers the Fowler
M	Fowler 30°+	Illuminates when the Fowler is 30°+
N	Bed height up	Raises the litter
O	Bed height down	Lowers the litter
P	Brake indicator	Illuminates when you apply or release the brake

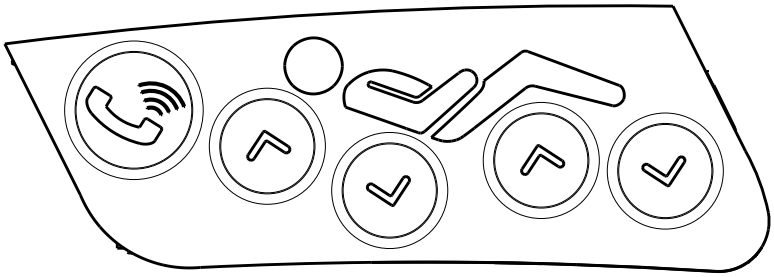
Patient control panel, inside siderail

WARNING

- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always lock the controls when the patient is unattended.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

CAUTION - Always make sure that the product is clear of obstacles before you use motion functions.

Healthcare professionals must instruct patients how to operate the patient control panel.



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

Pendant, basic (option)

TBD

Healthcare professionals must instruct patients how to operate the pendant.

Pendant, advanced (option)

TBD

Healthcare professionals must instruct patients how to operate the pendant.

Footboard control panel - Menu controls

The menu controls are located on the touch panel of the footboard. Press the icons to display the functions of the product.

A	Screen	Displays menu functions
B	Bed exit	Activates and displays bed exit functions (*Footboard control panel - Bed exit* (page 29))
C	***i*Bed** Watch	Activates and displays ***i*Bed** Watch functions (*Footboard control panel - **iBed** Watch* (page 30))
D	Scale	Displays scale functions (*Footboard control panel - Scale* (page 26))
E	Position	Displays position functions (*Footboard control panel - Position* (page 25))
F	Motion Lock	Displays lockout functions (*Footboard control panel - Motion Lock* (page 26))

G	Settings	Displays settings (*Footboard control panel - Settings* (page 31))
H	Brake	Basic - Displays brake lock status Advanced (option) - Apply or release the brakes (*Applying or releasing the brakes* (page 18))

Footboard control panel - Position

WARNING

- Always lower the product to its lowest height when the patient is unattended to reduce the risk of injury due to patient falls.
- Always make sure that cables, wires, and tubing from other equipment are routed so that they are not pinched by parts of the product.

CAUTION - Always make sure that the product is clear of obstacles before you use motion functions.

The **Position** screen displays the position functions of the product.

A	Home	Returns to the **Home** screen (see *Footboard control panel - Menu controls* (page 24))
B	Low Height Range settings	Returns to the **Low Height Range** screen
C	Cardiac chair position	Places the product into the cardiac chair position
D	Bed flat	Places the product into a 0° horizontal position
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	Bed height up	Raises the litter
J	Bed height down	Lowers the litter
K	Trendelenburg	Places the product into the Trendelenburg position (head down with foot up)
L	Reverse Trendelenburg	Places the product into the Reverse Trendelenburg position (head up with foot down)

M	Vascular position	Places the product into the vascular position
N	Back	Returns to the **Position** screen

Footboard control panel - Motion Lock

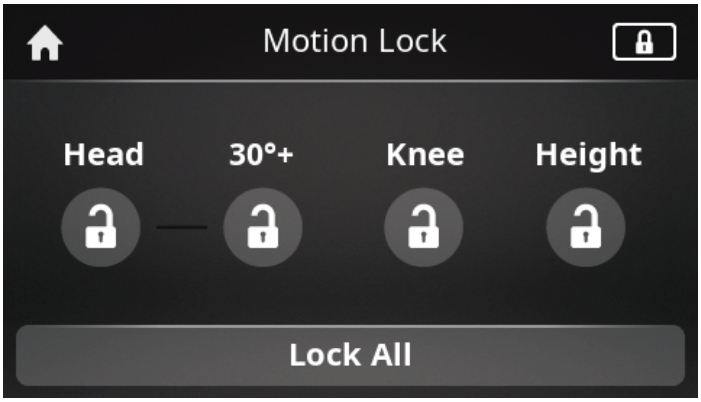
WARNING

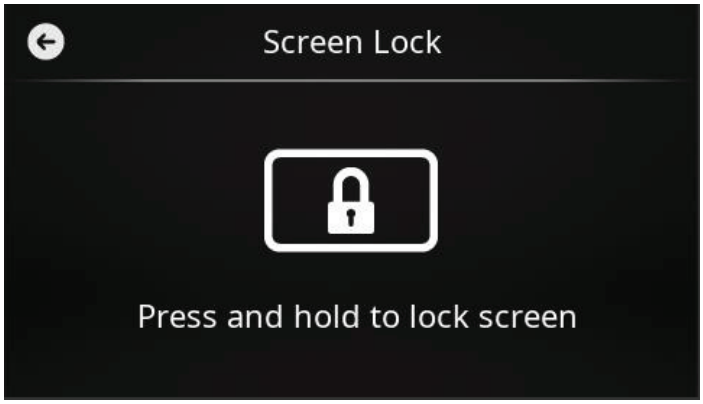
- Always lock the controls when the patient is unattended.
- Always lock the controls when the patient's condition requires extra safety measures.

The **Motion Lock** screen displays the lockout functions of the product.

Lockouts can lock out motion control input from the operator control panel and patient control panel.

Note - Bed exit, scale, and nurse call features are still available.





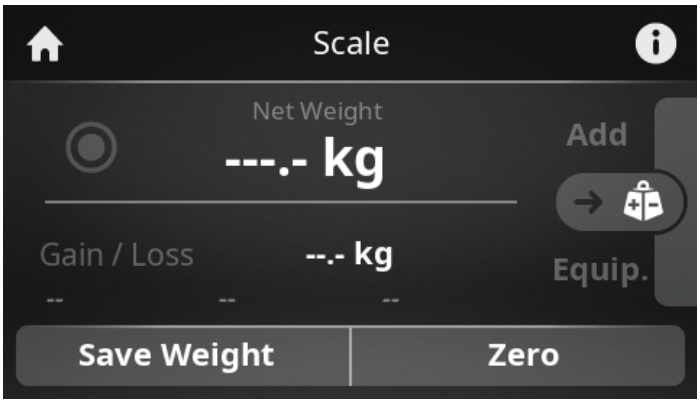
A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	Screen lock	Returns to the **Screen Lock** screen
C	Head (Fowler) lock	Lock or unlock head (Fowler) controls
D	30°+ (Fowler) lock	Lock or unlock the head (Fowler) position to 30°+
E	Knee (Gatch) lock	Lock or unlock knee (Gatch) controls
F	Bed height lock	Lock or unlock bed height controls
G	Lock all	Lock or unlock all motion function
H	Back	Returns to the **Motion Lock** screen

Note

- The CPR release handle overrides all lockouts.
- If the product is in a specific position when you enable a lock, the product will be locked in that position.
- Lock parameters are saved when you unplug the product.
- Do not lock control panel functions if you must access control panel functions when you remove the footboard.

Footboard control panel - Scale

The **Scale** screen displays the scale functions of the product.



A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	Info	Displays the **Scale Info** screen
C	Save Weight	Select to save the current displayed weight (*Weighing a patient* (page 28))
D	Zero (Non-NAWI) Tare (NAWI)	Select to zero/tare the scale or set the scale for a new patient (*Zeroing/taring the scale* (page 27))
E	Add Equip.	Select to add or remove equipment (*Adding or removing equipment* (page 28)) Indicates how many items have been added to bed
F	Scale History	Displays the **Scale History** screen **Note** - The **Scale History** stores up to 40 scale readings.
G	Weight change indicator	Displays an up or down arrow to indicate weight change
H	Exit	Returns to the **Scale** screen

Zeroing/taring the scale

Before you place a patient on the product, make sure that you zero/tare the scale.

Note

- **Zero** will display for non-NAWI and **Tare** will display for NAWI.
- Always zero/tare the scale after adding a support surface, mattress, or linens to the bed frame.

To zero/tare the scale:

1. Press the **Scale** button (D) on the footboard control panel (*Footboard control panel - Menu controls* (page 24)).
2. On the **Scale** screen, press the **Zero/Tare** button (D) (*Footboard control panel - Scale* (page 26)).
3. On the **New Patient?** screen, you may choose from the following:
   - **Yes**, to zero/tare and delete scale history.
   - **No**, to zero/tare and not delete scale history.
   - **Cancel**, to cancel zero/tare and return to the **Scale** screen.

   Note - Do not touch the product when you zero/tare the scale.

Weighing a patient

WARNING

- Do not use the scale system reading as a reference for medical treatment.
- The scale system assists only to monitor the patient's weight variation.

Before you place a patient on the product, make sure that you zero/tare the scale (*Zeroing/taring the scale* (page 27)).

Note - Always zero/tare the scale after you add a support surface, mattress, or linens to the product.

To weigh a patient:

1. Press the **Scale** button (D) on the footboard control panel (*Footboard control panel - Menu controls* (page 24)).
2. On the **Scale** screen, press the **Save Weight** button (C) (*Footboard control panel - Scale* (page 26)).

   Note - Do not touch the product when you weigh the patient.

The **Scale Info** screen will display when the last weight was taken on the **Last Weigh** line (*Footboard control panel - Scale* (page 26)).

Note - The previous weight from the **Last Weigh** line will appear in **Scale History** (F) (*Footboard control panel - Scale* (page 26))

Adding or removing equipment

Note - The add or remove equipment function is only available when there is TBD lb/kg gain/loss.

A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	Info	Displays the **Scale Info** screen (*Footboard control panel - Scale* (page 26))
C	Return	Returns to the **Scale** screen (*Footboard control panel - Scale* (page 26))
D	Reset	Select to reset the added equipment to zero
E	Save	Select to save the current displayed weight as equipment

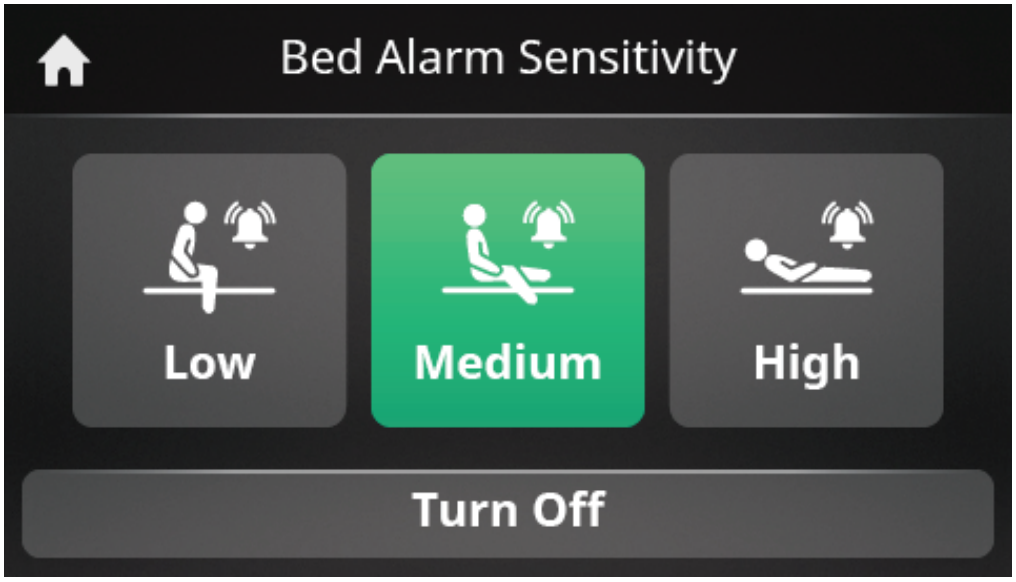
To add or remove equipment:

1. Press the **Scale** button (D) on the footboard control panel (*Footboard control panel - Menu controls* (page 24)).
2. On the **Scale** screen, press the **Add Equip.** button (E) (*Footboard control panel - Scale* (page 26)).
3. One item at a time, add or remove the desired equipment from the product.

   Note - Do not touch the product while the product weighs the equipment.
4. Press the **Save** button to save the current weight and equipment count.

Footboard control panel - Bed exit

The **Bed Exit** screen displays the bed exit functions of the product.



A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	Low	Allows the patient to move freely on the bed. Alarms when the patient moves 50 percent body weight out of the designated zone.
C	Medium	Allows for limited movement. Alarms when the patient approaches the siderail or the foot end of the bed.
D	High	Allows minimal movement. Alarms when the patient moves out of the tightly restricted zone.
E	Turn off	Turns off bed exit

Arming or disarming bed exit

WARNING - Do not use bed exit to replace patient monitoring protocol, it is intended only to aid in the detection of a patient exiting the product.

When armed, bed exit monitors the patient's position on the product.

To arm bed exit:

1. Set the scale to zero/tare if not already performed. See *Zeroing/taring the scale* (page 27)

Note - If you do not set the scale to zero before you place a patient on the product, bed exit may not operate as intended.

2. Position the patient on the product.
3. Press the **Bed Exit** button (B) on the footboard control panel to arm bed exit (*Footboard control panel - Menu controls* (page 24)).
4. Select the desired zone (B, C, D) (*Footboard control panel - Bed exit* (page 29)).

If you change the parameter conditions for bed exit:

- Bed exit priority signal sent (*Setting up wired nurse call communication* (page 14))
- LEDs on the footboard and siderails flash red
- Sound alarm is triggered

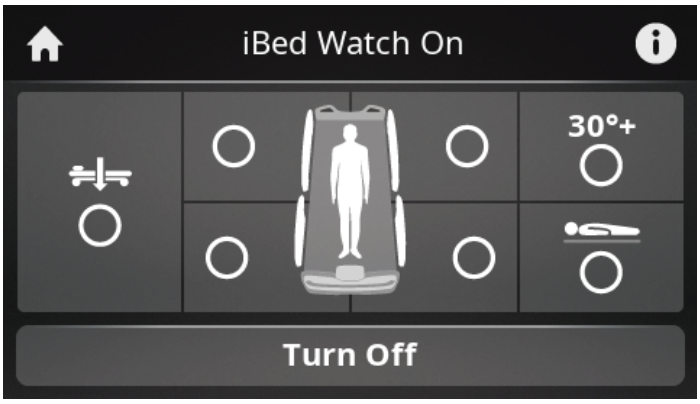
To disarm bed exit, press **Turn Off** (E) (*Footboard control panel - Bed exit* (page 29)).

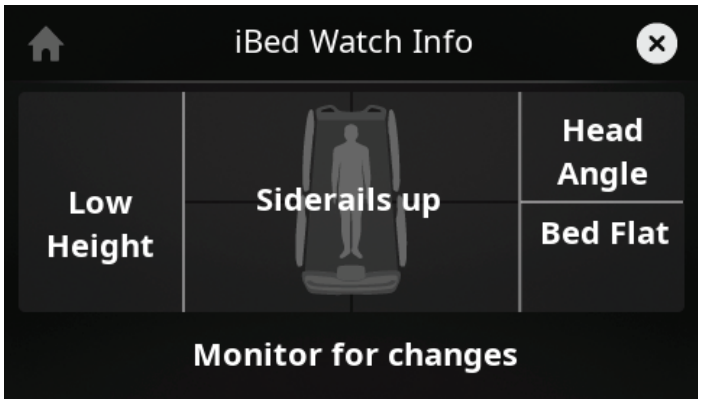
Footboard control panel - *i*Bed Watch

The ***i*Bed Watch** screen displays the ***i*Bed** Watch functions of the product.

When enabled, ***i*Bed** Watch alerts when changes are made to the selected bed settings:

- Low height
- Siderails up
- Head angle
- Bed flat





A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	Info	Displays the ***i*Bed Watch Info** screen
C	Low Height	Monitor low height of the bed
D	Head right siderail	Monitor the head right siderail in the highest position
E	Head left siderail	Monitor the head left siderail in the highest position
F	Foot right siderail	Monitor the foot right siderail in the highest position
G	Foot left siderail	Monitor the foot left siderail in the highest position
H	Head Angle	Monitor the head angle of the bed

I	Bed Flat	Monitor the bed flat position
J	Turn Off	Turn off ***i*Bed** Watch
K	Exit	Returns to the ***i*Bed Watch On** screen

Enabling or disabling *i*Bed Watch

To enable ***i*Bed** Watch:

1. Position the patient on the product.
2. Press the ***i*Bed Watch** button (C) on the footboard control panel to enable ***i*Bed** Watch (*Footboard control panel - Menu controls* (page 24)).
3. Select the desired bed settings to monitor (*Footboard control panel - **iBed** Watch* (page 30)).

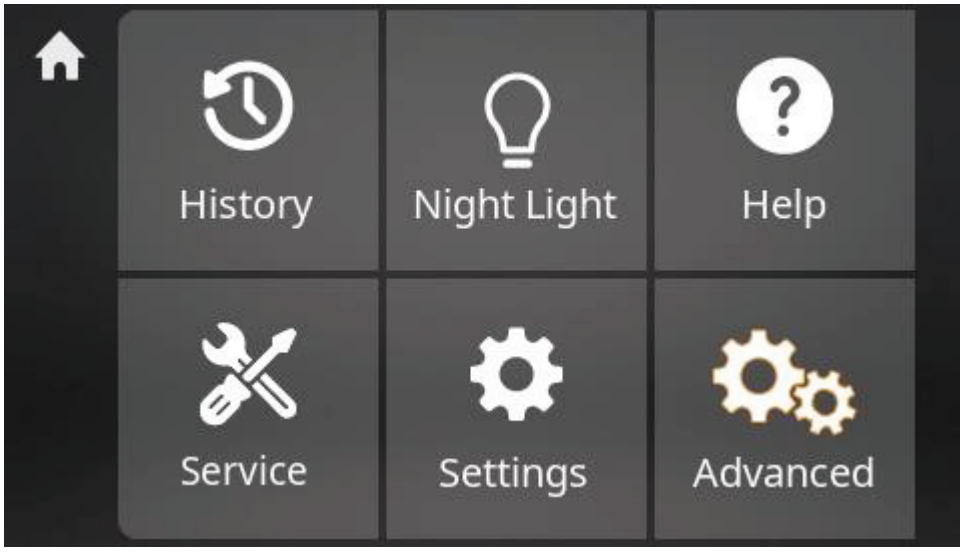
If you change the monitored settings for ***i*Bed** Watch, the following can occur:

- Bed exit priority signal sent (*Setting up wired nurse call communication* (page 14))
- LEDs on the footboard and siderails flash red
- Sound alarm is triggered

To disable ***i*Bed** Watch, press **Turn Off** (J) (*Footboard control panel - **iBed** Watch* (page 30)).

Footboard control panel – Settings

The **Settings** screen displays the settings available to view or change for the product.



A	Home	Returns to the **Home** screen (*Footboard control panel - Menu controls* (page 24))
B	History	Displays the **Scale History** screen
C	Night Light	Select to toggle through the following: Night light on, night light automatic, night light off
D	Help	Displays a QR code and web address for further information
E	Service	Displays service info, options to view current bed configuration, and error codes

F	Settings	Displays settings
G	Advanced	Displays advanced settings **Note** - Press and hold the **Settings** button (F) to display the advanced settings button.

Advanced Settings	
Lighting	Select to adjust the display brightness or set to automatic
Low height range	Select to toggle the low height range of the product
Scale info	Displays the current software version, local gravity, and calibrated gravity
Wi-Fi info	Displays the MAC address, connection type, IP address, SSID, signal strength, and BSSID
***i*Bed** Locator	Displays the locator ID and locator battery status
Set time format	Select to toggle between a 12hr or 24hr time format

Accessories and parts

These accessories and parts may be available for use with your product. Confirm availability for your configuration or region.

Name	Number
Battery	700000341245
Bed extender	TBD
2-stage IV pole, single	300900350100
2-stage IV pole, dual	300900350200
Line management (pack of 70)	300900450010
Patient helper bracket	300900450100
Zimmer® patient helper bracket	300900450105
Pendant, basic	300900470100
Pendant, advanced	300900470200
Upright oxygen bottle holder	300900450050
Upright oxygen bottle holder	300900450150

Raising or lowering the IV pole (option)

CAUTION

- Do not load the IV pole above the safe working load of 40 lb (18 kg).
- Do not load an individual IV pole hook above the safe working load of 20 lb (9 kg).
- Do not use the IV pole as a push or pull device.

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 the fully raised position (Figure 13).
3. Rotate the IV hangers (B) to the desired position and hang the IV bags (Figure 13).
4. To lower the pole, turn the latch (C) clockwise until the telescoping portion (A) lowers into the bottom tube (Figure 13).
5. Lift up and pivot the pole down into the storage position.

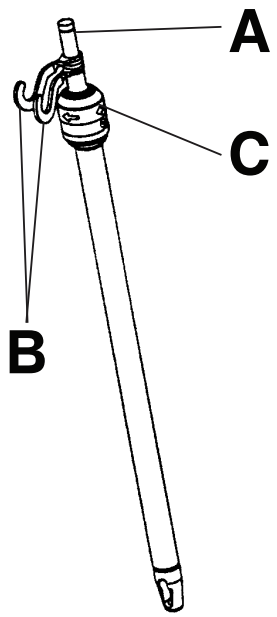


Figure 13 – Two-stage IV pole

Attaching or removing the patient helper (option)

WARNING - Always use two people to attach or remove the patient helper.

CAUTION

- Always secure the lifting pole in the mounting bracket before you adjust the patient helper.
- Always remove the patient helper before you transport the product.

You can attach the patient helper into the patient helper mounting bracket at the head end of the product.

To attach the patient helper:

1. Insert the lifting pole (A) into the mounting bracket (B) (Figure 14).
2. Rotate the lifting pole in the mounting bracket until the patient helper knob (C) locks in position (Figure 14).

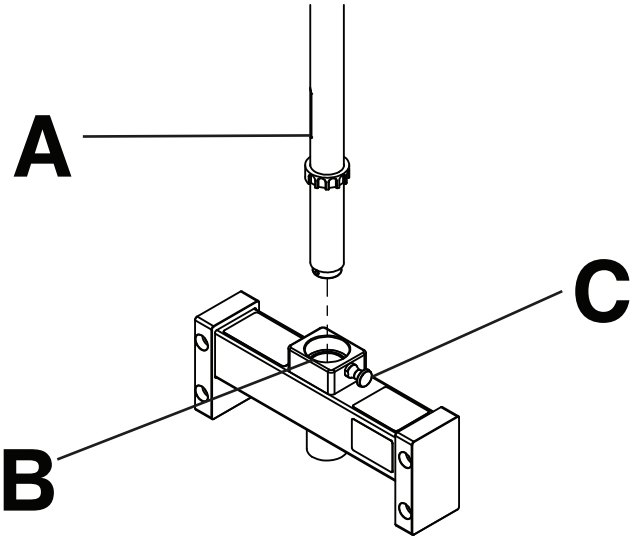


Figure 14 – Attaching or removing the patient helper

Reverse steps to remove the patient helper.

Adjusting the patient helper (option)

WARNING - Do not load the patient helper above the safe working load of 200 lb (90.7 kg).

CAUTION

- Always secure the lifting pole in the mounting bracket before you adjust the patient helper.
- Do not use the patient helper as a push or pull device.
- Always make sure that the patient helper mounting bracket is secure before use.

The patient helper assists the patient to change position in bed.

To adjust the patient helper:

1. Pull the patient helper knob (A) and rotate the lifting pole (B) until the desired position (Figure 15).
2. Release the patient helper knob (A) and rotate the lifting pole (B) until the knob locks in position (Figure 15).
3. Lift the trapeze hanger bracket (C) and move it forward or backward until the desired position (Figure 15).

   Note - Make sure that the trapeze hanger is secure in one of the keyed positions on the lifting pole.

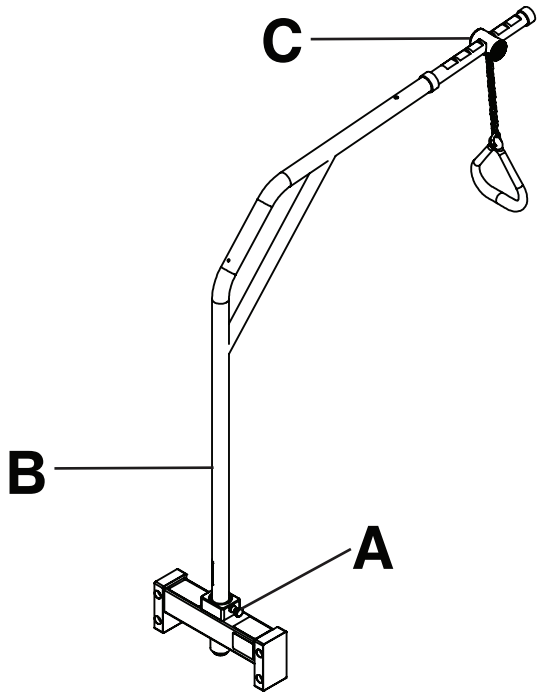


Figure 15 – Adjusting the patient helper

Attaching the oxygen bottle holder

CAUTION

- Do not load the oxygen bottle holder above the safe working load of TBD lb.
- Do not use the oxygen bottle holder as a push or pull device.

To attach the oxygen bottle holder:

1. Insert the oxygen bottle holder support bar into the accessory socket that is located on either side of the product at the head end and foot end.

Cleaning and disinfecting with wipes

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

Stryker’s preferred wipes (2060-000-001 6" x 10" or 2060-000-002 9" x 12") 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:

1. To clean, wipe external surfaces with a fresh, clean wipe to remove all visible soils. Repeat as necessary until the product is clean.

   Note
   - Use as many wipes as necessary.
   - Complete step 1 before you disinfect.
2. To disinfect, wipe external surfaces with a fresh, clean wipe until wet. Allow the external surface to remain wet for two minutes at room temperature.
3. Allow the product to dry before you return it 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 occupant 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 dry and tested for safe operation.

Recommended cleaning method:

1. Hand wash all exposed surfaces of the product with a mild detergent by spray or pre-soaked wipes.
2. Follow the cleaning solution manufacturer's instructions for appropriate contact time and rinse requirements.
3. Dry the product before you return it to service.

Note - Avoid oversaturation. 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 occupant 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 dry and 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.

Recommended disinfectants for this product's surfaces include:

- Quaternary (active ingredient - ammonium chloride)
- Phenolic (active ingredient - o-phenylphenol)
- Chlorinated bleach solution (10,000 ppm available chlorine, 941 mL of a 5.25% sodium hypochlorite solution per 4000 mL of water)
- Alcohol (active ingredient - 70% isopropyl alcohol)
- Accelerated hydrogen peroxide (5,000 ppm hydrogen peroxide)

Disinfection method:

1. Follow the disinfectant solution manufacturer's dilution recommendations.
2. Apply the recommended disinfectant solution by spray or pre-soaked wipes.
3. Hand wash all exposed surfaces of the product with the recommended disinfectant.
4. Dry the product before you return it to service.

Note

- Avoid oversaturation. Do not allow the product to remain wet.
- Follow the manufacturer's dilution recommendations for appropriate contact time and rinse requirements. Follow the chemical manufacturer's guidelines to disinfect.

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:

_____ TBD

Product serial number:
Completed by:
Date:

Wireless notifications

For product equipped with optional wireless communication technology, these statements apply to the countries as indicated:

Country	Notification
Canada	Contains IC ID: 4919E-SDMACP Contains IC ID: 5123A-BGTWT32I This device complies with Innovation, Science and Economic Development Canada’s license-exempt RSSs. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Mexico	La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.
United States	Contains FCC ID: Z7A-SDMACP Contains FCC ID: QOQWT32I This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. Frequency Tolerance: +/-20 ppm

EMC information

WARNING

- Portable RF communications equipment, including peripherals such as antenna cables and external antennas, should be no closer than 12 inches (30 cm) to any part of **ProCuity** bed series, including cables specified by the manufacturer.
- Avoid stacking or placing equipment adjacent with other equipment to prevent improper operation of the product. If such use is necessary, carefully observe stacked or adjacent equipment to make sure that they operate properly.
- The use of accessories, transducers, and cables, other than those specified or provided by the manufacturer, could result in increased electromagnetic emissions or decreased electromagnetic immunity and result in improper operation.

The 3009 **ProCuity** bed series was evaluated using the following cables:

Cable	Length (m)
AC mains input cable	2.5
AC aux input cable	2.5
AC aux output cable	1.8
Nurse call (DB-37)	2.4
USB cable	4.7
Pendant	5.3

Guidance and manufacturer's declaration - electromagnetic emissions

The 3009 **ProCuity** bed series is intended for use in the electromagnetic environment specified below. The customer or the user of the 3009 **ProCuity** bed series should assure that it is used in such an environment.

Emissions test	Compliance	Electromagnetic environment
RF Emissions CISPR 11	Group 1	**Note** - The emissions characteristics of this equipment make it suitable for use in industrial areas and hospitals (CISPR 11 class A). If it is used in a residential environment (for which CISPR 11 class B is normally required) this equipment might not offer adequate protection to radio-frequency communication services. The user might need to take mitigation measures, such as relocating or re-orienting the equipment.
RF Emissions CISPR 11	Class A	
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations Flicker Emissions IEC 61000-3-3	Complies	

Guidance and manufacturer's declaration - electromagnetic immunity

The 3009 **ProCuity** bed series is suitable for use in a professional healthcare facility environment and not in environments exceeding immunity test conditions that the product was evaluated to, such as near high frequency (HF) surgical equipment and inside of the radio frequency (RF) shielded room of magnetic resonance imaging (MRI) equipment. The customer or the user of the 3009 **ProCuity** bed series should assure that it is used in such an environment and that the electromagnetic environment guidance listed below is followed.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment-guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	±8 kV contact ±15 kV air	±8 kV contact ±15 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%.

Guidance and manufacturer's declaration - electromagnetic immunity			
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	±0.5 kV, ±1 kV lines to lines ±0.5 kV, ±1 kV, ±2 kV lines to earth	±0.5 kV, ±1 kV lines to lines ±0.5 kV, ±1 kV, ±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	0%U_T for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0%U_T for 1 cycle 70%U_T (30% dip in U_T) for 25/30 cycles 0% U_T for 250/300 cycles	0%U_T for 0.5 cycle at 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0%U_T for 1 cycle 70%U_T (30% dip in U_T) for 25/30 cycles 0% U_T for 250/300 cycles	Main power quality should be that of a typical commercial or hospital environment. If the user of the 3009 **ProCuity** bed series 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	30 A/m	30 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 2.7 GHz	3 Vrms 3 V/m	Portable and mobile RF communications equipment should follow the guidance in the table titled "Recommended separation distances between portable and mobile RF communication equipment and the 3009 **ProCuity** bed series." If the mobile service is not listed in the table, the recommended separation distance should be calculated from the equation appropriate for the frequency of the transmitter. Recommended separation distance $D=(2)(\sqrt{P})$ 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 - These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

Note - The ISM (Industrial, Scientific, and Medical) bands between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz.

[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 3009 **ProCuity** bed series is used exceeds the applicable RF compliance level above, the 3009 **ProCuity** bed series should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the 3009 **ProCuity** bed series.

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

Recommended separation distances between portable and mobile RF communication equipment and the 3009 ProCuity bed series

The 3009 **ProCuity** bed series is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the 3009 **ProCuity** bed series can help prevent electromagnetic interferences by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the 3009 **ProCuity** bed series, including cables, as recommended below, according to the maximum output power of the communications equipment.

Band (MHz)	Service	Maximum power (W)	Minimum separation distance (m)
380-390	TETRA 400	1.8	0.3
430-470	GMRS 460; FRS 460	2.0	0.3
704-787	LTE Band 13, 17	0.2	0.3
800-960	GSM 800/900; TETRA 800; iDEN 820; CDMA 850; LTE Band 5	2.0	0.3
1,700-1,990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	2.0	0.3
2,400-2,570	Bluetooth; WLAN; 802.11 b/g/n; RFID 2450; LTE Band 7	2.0	0.3
5,100-5,800	WLAN 802.11 a/n	0.2	0.3

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

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3009-009-001 Rev A.0 2020/05
WCR: AA.16