

Essentia™



User Manual

- Model 65-05-0015 - SlideRail™ version
- Model 65-05-0010 - fixed rail version

Table of Contents

Introduction	7
Product Description	7
Intended Use.....	7
Patent Information.....	7
General Information.....	7
Trademarks	8
Product at a Glance	9
Essentia™ with SlideRail™ (viewed from foot end of bed).....	9
Essentia with SlideRail (viewed from head end of bed).....	10
Essentia with Fixed Mid Siderails (viewed from foot end of bed)	11
Essentia with Fixed Mid Siderails (viewed from head end of bed)	12
Definitions.....	13
Symbols.....	14
Labels.....	16
Safety Instructions	21
Seven Zones of Bed Rail Entrapment.....	21
Safety Hazards and Precautions	22
Symbols.....	22
Electrical Shock Hazard Warnings	22
Warnings.....	23
Cautions	26
Access Restriction Tab – Auxiliary AC Outlets	28
Specifications.....	29
EMC Information.....	32
EMC Safety Precautions.....	32
Guidance and Manufacturer's Declaration – Emissions	33
Guidance and Manufacturer's Declaration – Immunity	34
Set-Up Instructions.....	37
Power Connections	37
Nurse Call Cable Connections.....	38
Hand Control Connections	39
Bed Features.....	40
Cord Wrap	40
IV Pole Installation	41
Patient Helper Installation.....	42

Table of Contents (cont'd)

Patient Restraint and Support Surface Tie-Down Locations – Top View	43
Patient Restraint Tie-Down and Drainage Bag Hook Locations – Side View (Essentia™ with SlideRail™)	44
Patient Restraint Tie-Down and Drainage Bag Hook Locations – Side View (Essentia with fixed mid siderails)	45
Auxiliary AC Power Outlets	46
USB Ports	47
Footboard	48
Hanger Bar	48
Corner Rollers	48
Operating Instructions	49
Headboard, Footboard and Siderails	50
Remove and Install Headboard	50
Remove and Install Footboard	51
Raise and Lower Siderails	52
SlideRail Operation (if equipped)	53
Keypads and Indicator Lights	56
Hand Control Keypad	56
Footboard Keypad – Left Side Controls	57
Footboard Keypad – Center Controls	58
Footboard Keypad – Right Side Controls	59
SafeGlance™ Indicator Lights	60
Caregiver Keypads – Head Siderails (view 1 of 2)	61
Caregiver Keypads – Head Siderails (view 2 of 2)	62
Patient Keypads – Head Siderails	63
Major Controls and Indicators	64
Angle Indicators	64
CPR Button	65
Manual CPR Release Handle	66
Nurse Call Button	66
Head Up and Head Down Buttons	67
Knee Up and Knee Down Buttons	68
Bed Height Up and Bed Height Down Buttons	69
Master Lockout Buttons	70
Individual Lockout Buttons (bed height up/down, head up/down, knee up/down)	70

Table of Contents (cont'd)

AC Power/Battery Charging Indicator Light	71
Battery Charge Level Indicator Light	71
30-Degree Angle Buttons	72
Chair Position Buttons	73
Flat (zero-degree) Buttons	74
Foot Extension Buttons	75
Trendelenburg Buttons	76
Reverse Trendelenburg Buttons – RevTrend 20™	77
Vascular Position Buttons	78
Underbed Light Buttons	79
Manual Brake Pedal Operation	80
Electric Brake, Steer and Neutral Caster Modes	81
AutoLock™ Caster Brakes	81
Screens and Controls – CareMetrix™ Display	82
Home Button and Home Screen	82
Screen Dim Mode	83
Sleep Mode	83
Main Navigation Buttons	84
Main Menu	84
Menu Scroll Up/Down	84
Enter	84
Back	84
Alarm Silence Button	85
Shortcut Buttons	85
Bed Exit Alarm Shortcut Button	85
Protocol Timer Shortcut Button	85
Alarm Volume Shortcut Button	85
Scale Settings Shortcut Button	85
Scale Settings	86
Weigh Patient	86
Zero Scale	87
Add or Remove Equipment	88
View Weight History	89
Clear Weight History	90
Set Auto Weigh Time	91
Adjust Patient Weight	92

Table of Contents (cont'd)

Bed Exit Alarm Settings	93
Set Bed Exit Alarm or Change Sensitivity	93
Change Bed Exit Alarm Tone	94
Protocol Timer Alarm Settings	95
Set Protocol Timer Alarm	95
Change Protocol Timer Alarm Tone	96
Change Protocol Timer Alert Type	97
Set Alarm Volume	98
System Settings	99
Set Screen Brightness	99
Set Date	100
Set Time	101
System Settings For Service Department Use	102
Alarms and Alerts	103
Protocol Timer Alarm	103
Bed Exit Alarm	104
MotionStop 360™ Underbed Obstruction Alert	105
Brakes Failed to Set Alert	105
Reverse Trendelenburg Interrupted Alert	105
Battery Low Alert	106
Call for Service/Error: Service Needed Screen	106
Return SlideRail™ to Home Position Screen (Essentia™ with SlideRail)	106
Advanced Settings	107
Reset to System Defaults	107
Patient Transport	108
Cleaning Instructions	109
Cleaning/Disinfection	109
Recommended EPA-Registered Disinfectants	109
Bed Frame	109
Bed Electronics and Hand Controls	110
Steam Cleaning	110
Cleaning Blood and Other Bodily Fluids	110

Table of Contents (cont'd)

- Checks and Inspections. 111
 - Overview 111
 - Recommended Between Patient Checks and Inspections. 111
 - Preventive Maintenance 112
- Troubleshooting 113
- Storage and Disposal. 114
- Frequently Ordered Parts and Accessories 114
- Limited Product Warranty 115
 - Essentia™ (Product No. 65-05-0010 and 65-05-0015). 115
 - Limited Warranty 115
 - Warranty Coverage Period 115
 - Conditions and Restrictions 116
 - Exclusions and Limitations 117
 - Disclaimer and Release. 118
 - Exclusive Remedies 118
 - Exclusion of Consequential and Incidental Damages 119
 - Extended Warranty 119

Introduction

Product Description

Essentia™ is a powered adjustable hospital bed frame designed for use in various medical care settings. It offers numerous safety and convenience features, such as exclusive SlideRail™ sliding siderails, SafeGlance™ status indicator lights and the MotionStop 360™ underbed obstruction alert. Although SlideRail is standard equipment, Essentia may be provided with fixed mid siderails if desired.

The Essentia bed deck is 34 inches (86 cm) wide and 80 inches (203 cm) long. When needed, Essentia's powered foot extension allows the deck length to be increased to a maximum of 88 inches (223 cm). Convenient push-button controls allow for quick adjustments.

The Essentia bed frame will accommodate support surfaces up to 10.5 inches (27 cm) thick if equipped with SlideRail or up to 8 inches (20 cm) thick if equipped with fixed mid siderails. Safe working load is 650 pounds (294.8 kg) for both bed versions. Refer to page 29 for complete specifications.

This user manual includes safety and warning information, setup, operating, cleaning and preventive maintenance instructions. Agiliti recommends that users read and understand this manual completely before operating the product. Failure to use the bed frame properly may cause damage to the product, property or persons including illness, injury or death.

Intended Use

The Essentia bed frame is a powered, adjustable hospital bed intended for medical purposes and includes movable and latchable siderails. The bed frame is designed to be compatible with multiple support surfaces.

This product is intended to be used for sleep/rest and to assist with diagnosis, monitoring, positioning, prevention and treatment of patients with varying medical conditions. The use environment includes intensive/critical care, acute care, outpatient (ambulatory) care and long-term care.

Intended users include patients, healthcare professionals, maintenance personnel and bio-medical technicians — all of varying education, cultural and professional backgrounds.

The bed frame is intended to be used with patients weighing between 70 and 550 pounds (31.8 kg – 550 kg) with heights of between 53.5 and 88.0 inches (136 cm – 223 cm).

Patent Information

Patents pending on Agiliti Essentia bed frame.

General Information

- The images contained in this user manual are for reference only. Actual details of the product may vary.
- Information in this user manual is subject to change without notice. Ensure current version of this manual is obtained prior to use.
- Authorized user is defined as an adult.
- Use only Agiliti accessories that are specific to this product.
- At certain intervals, maintenance of this product is required and must be performed by qualified personnel only.
- Retain this user manual for future reference.
- Users should be risk-assessed to ensure they are able to understand this manual and operate the product safely without risk to themselves or others.

(continued on next page)

Symbols, definitions and fonts are used throughout this manual to aid user readability and understanding of content.

- Standard Text: Used for regular information.
- **Bold Text:** Emphasizes a word or phrase.
- **NOTE:** or **IMPORTANT:** Sets apart special information or important instruction clarification.

Trademarks

The following are trademarks of Agiliti Health, Inc. or its subsidiaries:

- Essentia™
- SlideRail™
- SafeGlance™
- CareMetrix™
- AutoLock™
- RevTrend 20™
- MotionStop 360™
- PowerBrake™

These trademarks appear in various places within this manual.

Other trademarks and trade names included in this document are those of their respective owners.

Product at a Glance

Essentia™ with SlideRail™ (viewed from foot end of bed)



Key:

- | | | | |
|----------------------------|---|---------------------------------|--|
| 1. Foot bumper | 7. SlideRail (left side) | 12. Fixed section | 17. SlideRail release handle (left side) |
| 2. Footboard | 7A. SlideRail release paddles (left side) | 13. Head section | 18. Head siderail release handle (left side) |
| 3. Footboard keypad | 8. Head siderail (left side) | 14. Patient keypad (right side) | 19. CPR release handle (left side) |
| 4. Caster | 9. Caregiver keypad (left side) | 15. Auxiliary outlet (foot end) | |
| 5. Lower frame | 10. Foot section | 16. Corner roller | |
| 6. Brake pedal (left side) | 11. Thigh section | | |

Essentia™ with SlideRail™ (viewed from head end of bed)



Key:

- | | | |
|----------------------------------|---|--|
| 1. Head bumper | 6. SlideRail (right side) | 10. SlideRail release handle
(right side – under SlideRail) |
| 2. Headboard | 6A. SlideRail release paddles
(right side) | 11. Head siderail release handle
(right side) |
| 3. Brake pedal (right side) | 7. Patient keypad (left side) | 12. CPR release handle
(right side) |
| 4. Head siderail (right side) | 8. Nurse call system connections | 13. Hand control connection |
| 5. Caregiver keypad (right side) | 9. Auxiliary outlet (head end) | |

Essentia™ with Fixed Mid Siderails (viewed from foot end of bed)



Key:

- | | | | |
|----------------------------|------------------------------------|---------------------------------|--|
| 1. Foot bumper | 7. Mid siderail, fixed (left side) | 12. Fixed section | 17. Mid siderail release handle (left side) |
| 2. Footboard | 8. Head siderail (left side) | 13. Head section | 18. Head siderail release handle (left side) |
| 3. Footboard keypad | 9. Caregiver keypad (left side) | 14. Patient keypad (right side) | 19. CPR release handle (left side) |
| 4. Caster | 10. Foot section | 15. Auxiliary outlet (foot end) | |
| 5. Lower frame | 11. Thigh section | 16. Corner roller | |
| 6. Brake pedal (left side) | | | |

Essentia™ with Fixed Mid Siderails (viewed from head end of bed)



Key:



- | | | |
|----------------------------------|---|---|
| 1. Head bumper | 6. Mid siderail, fixed (right side) | 11. Head siderail release handle (right side) |
| 2. Headboard | 7. Patient keypad (left side) | 12. CPR release handle (right side) |
| 3. Brake pedal (right side) | 8. Nurse call system connections | 13. Hand control connection |
| 4. Head siderail (right side) | 9. Auxiliary outlet (head end) | |
| 5. Caregiver keypad (right side) | 10. Mid siderail release handle (right side - under mid siderail) | |

Definitions

Word/Phrase	Definition
Safe Working Load (SWL)	The equipment's maximum external mechanical load permitted in normal use. The sum of the patient's weight, bedding, other equipment/accessories and load supported by that equipment/accessories may not exceed the safe working load.
Maximum Patient Weight	The greatest permissible patient weight in normal use. The maximum patient weight may be lower than the safe working load if additional equipment/accessories are used.
Range of Motion (ROM)	Angular distance that the bed deck travels during normal use.
Bed Deck	The movable platform that supports the support surface or mattress. It consists of four segments, head section, fixed section, thigh section and foot section.
Support Surface or Mattress	The surface placed over the bed deck that supports the patient. The terms "support surface" and "mattress" have the same meaning and are used interchangeably in this manual.
AC Power or Mains Power	The equipment's source of electrical power supplied by an electrical outlet of the proper rating (refer to manufacturer's label on equipment).
IEC 60601-2-52 Defined Application Environment Type 1	Intensive/critical care provided in a hospital where 24-hour medical supervision and constant monitoring are required and the provision of life support system/equipment used in medical procedures is essential to maintain or improve the vital functions of the patient.
IEC 60601-2-52 Defined Application Environment Type 2	Acute care provided in a hospital or other medical facility where medical supervision and monitoring are required and medical electrical equipment used in medical procedures is often provided to help maintain or improve the condition of the patient.
IEC 60601-2-52 Defined Application Environment Type 3	Long-term care in a medical area where medical supervision is required and monitoring is provided if necessary. The medical electrical equipment used in medical procedures may be provided to help maintain or improve the condition of the patient.
IEC 60601-2-52 Defined Application Environment Type 5	Outpatient (ambulatory) care, which is provided in a hospital or other medical facility under medical supervision, where medical electrical equipment is provided for the need of persons with illness, injury or disability for treatment, diagnosis or monitoring.






Symbols

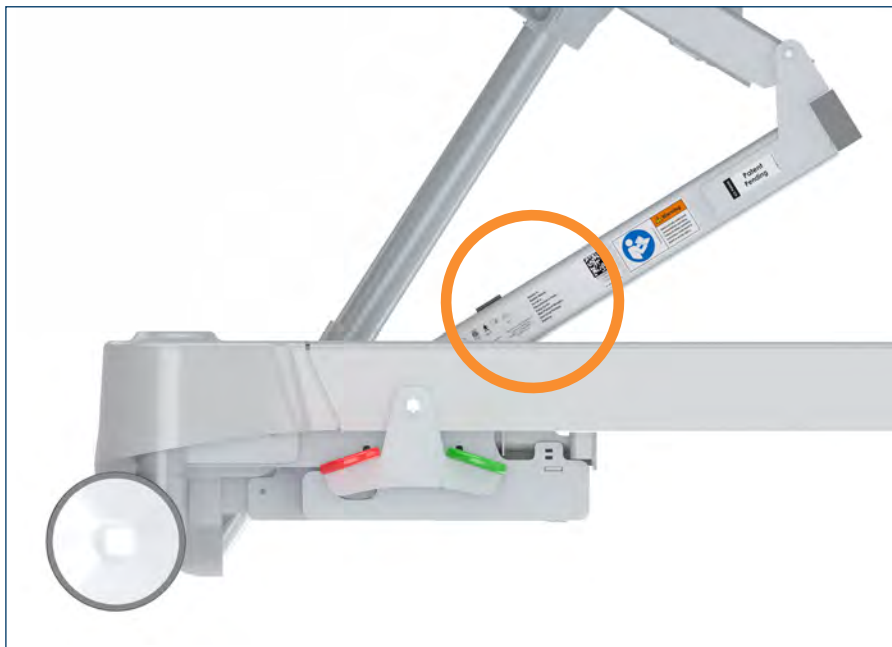
Symbol	Description
<p>ETL CLASSIFIED</p> 	<p>Certification:</p> <p>Indicates device has been independently tested and meets the published safety standard(s).</p>
 <p>Type B</p>	<p>Device Type:</p> <p>Indicates a Type B device properly protected from electrical shock.</p>
	<p>Follow User Manual:</p> <p>This symbol indicates that the bed must be assembled, positioned and used in accordance with these instructions.</p>
	<p>Accompanying Documents:</p> <p>Read and fully understand all accompanying documents for product before use.</p>
<p>IPX4</p>	<p>Ingress Protection Rating:</p> <p>Indicates level of sealing effectiveness of electrical enclosures against intrusion from foreign bodies (tools, dirt, etc.) and moisture.</p>
	<p>Electrical Shock Hazard Warning:</p> <p>This symbol is intended to alert the user to the presence of electrical shock hazards. It is important to follow all instructions and special procedures to avoid electrical shock to the operator, care provider and/or patient.</p>
	<p>Warning:</p> <p>Indicates a potentially dangerous situation, which, if not avoided, could result in injury ranging from moderate to serious severity up to and including death.</p>

Symbol	Description
	<p>Caution:</p> <p>Indicates a potentially dangerous situation, which, if not avoided, could result in injury ranging from minor to moderate severity.</p>
	<p>Foot Crush Hazard Warning:</p> <p>This symbol is intended to alert the user to the presence of foot crush hazards. Disregarding warning could result in patient and/or user injury as well as damage to equipment</p>

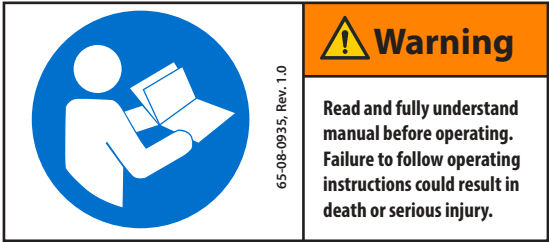
Labels

Manufacturer's Label

				<p>Class I Electrical Equipment</p>	 (01) 0 0845699 04638 6 (21) CAP6521256 (11) 240619 65-08-0385, Rev. 1.0
<p>Manufacturer: Raye's, Inc., d/b/a Sizewise Manufacturing (f/k/a Wheelchairs of Kansas and Sunflower Medical), is a wholly owned subsidiary of Sizewise Rentals, LLC. Sizewise Rentals, LLC is a wholly owned subsidiary of Agiliti Health, Inc. 500 Commerce Pkwy, Hays, KS 67601</p>				<p>Model #: Model Name: Serial #: Manufacture Date: Duty Cycle: Max Patient Weight: Electrical Rating: Battery:</p>	
<p>Medical Electrical Equipment Conforms to AAMI Std. ES60601-1, IEC Std. 60601-1-6, IEC 60601-2-52</p>					



Label	Description
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Read Instructions Carefully:

Indicates the need for user to read and understand instructions before use.



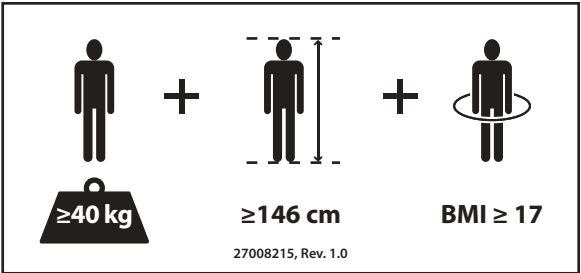
Electric Shock Risk:

Manufacturer’s warning label regarding approved power cords and risk of electrical shock.



Foot Crush Hazard Warning:

Label placed in location of possible foot crush hazards.



Patient Size for Adults:

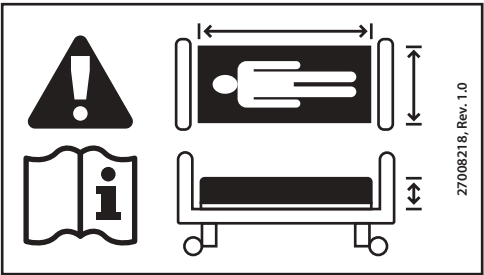
Physical description of an adult as defined by IEC 60601-2-52.



Maximum Patient Weight and Safe Working Load:

Graphic symbol for maximum patient weight and safe working load.

Label	Description
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Only Approved Mattress:
 Marking to select recommended mattresses specified by the manufacturer.



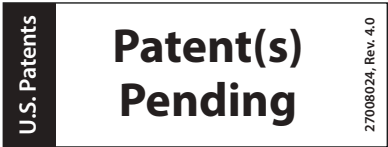
Patient Helper Safe Working Load:
 Graphic symbol for patient helper safe working load.



Pinch Point:
 Marking to signify pinch point danger area.



Functional Ground:
 Marking to signify functional ground point.



Patent:
 Marking for U.S. Patent.

Label	Description
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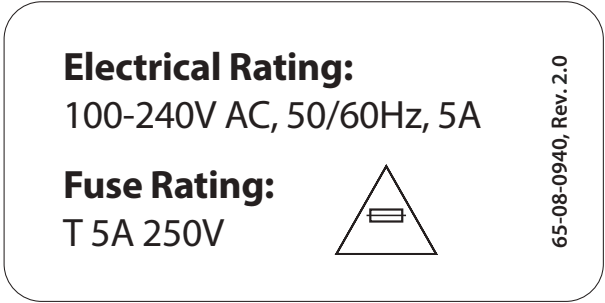
AC Power Cord:
 Label identifying AC power cord supplying power to the bed frame electronics.



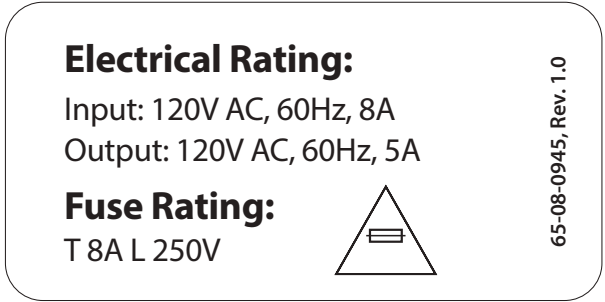
Auxiliary Outlet Power Cord:
 Label identifying AC power cord supplying power to the bed frame auxiliary AC outlets.



Auxiliary Outlet:
 Label indicating that only hospital grade equipment consuming less than 5A should be connected to the auxiliary outlet.

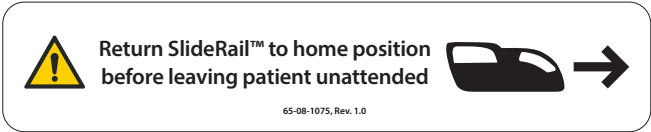


AC Inlet Fuse Rating:
 Label identifying fuse that protects the bed’s electronic circuits.



Auxiliary Outlet Fuse Rating:
 Label identifying fuse that protects the bed’s auxiliary outlet circuit.

Label	Description
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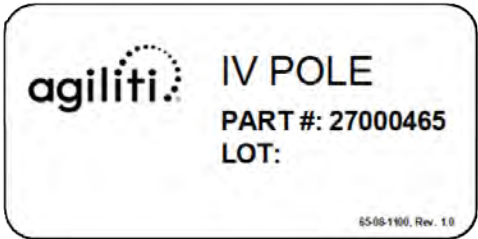
Return SlideRail™ to Home Position (Left Side):

Label instructing user to return SlideRail to home position before leaving patient unattended.



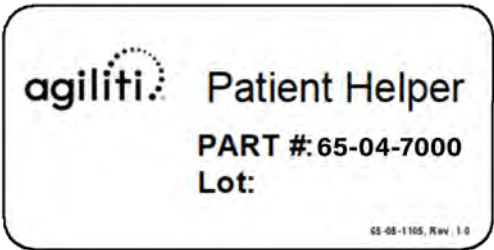
Return SlideRail to Home Position (Right Side):

Label instructing user to return SlideRail to home position before leaving patient unattended.



IV Pole

Label identifying IV pole (optional accessory).



Patient Helper

Label identifying patient helper (optional accessory).

Safety Instructions



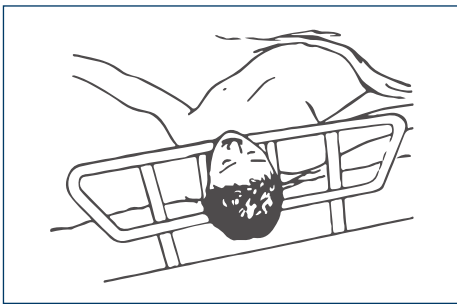
WARNING: Bed rail entrapment is a serious health risk that can result in serious injury or even death. Agiliti recommends the care provider be mindful of the FDA guidelines relevant to bed rail entrapment, as serious injury can result. These guidelines can be found on the FDA website as referenced below. When using a replacement mattress, the care provider is responsible for ensuring the mattress properly fits the bed frame.

NOTE: The term **bed rail** includes the bed siderails, headboard and footboard.

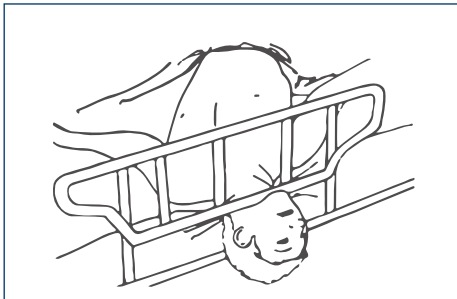
Seven Zones of Bed Rail Entrapment

If the patient would have any clinical conditions that could result in risk of falling or improperly lying in bed, the bed should be left at its lowest setting and in flat position when not attended. Agiliti recommends the use of bed rails if they are available. There are seven zones of bed rail entrapment.

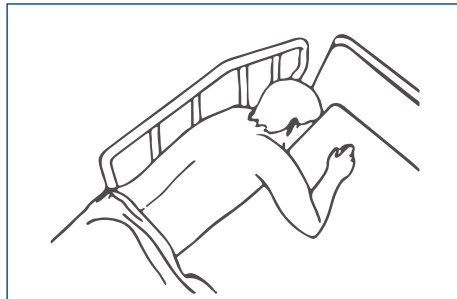
Reference: Hospital Bed System Dimensional and Assessment Guidance to Reduce Entrapment. (2006, Mar. 10). U.S. Health and Human Services Food and Drug Administration Center for Devices and Radiological Health. Retrieved from <https://www.fda.gov/downloads/medicaldevices/deviceregulationandguidance/guidancedocuments/ucm072729.pdf>



ZONE 1:
Within the rail



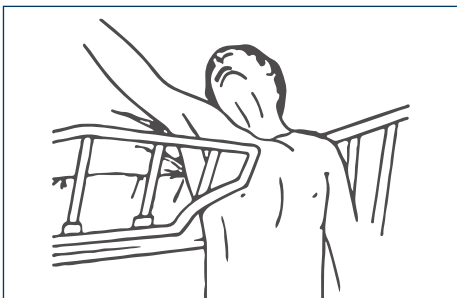
ZONE 2:
Under the rail, between the rail supports, or next to a single rail support



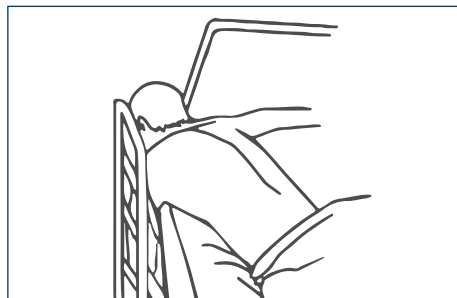
ZONE 3:
Between the rail and the mattress



ZONE 4:
Under the rail, at the ends of the rail



ZONE 5:
Between split bed rails



ZONE 6:
Between the end of the rail and the side edge of the headboard or footboard



ZONE 7:
Between the headboard or footboard and the mattress end






Safety Hazards and Precautions

IMPORTANT: Only authorized users should operate the bed frame. A thorough understanding of the user manual is required prior to use. Follow the instructions contained in this manual carefully. Use the bed frame only if it is in proper working order. The terms Warning and Caution are used frequently throughout this manual. A thorough understanding of these two terms is required.






Before operating the bed frame:

- Observe all hazard and instructional symbols located on the bed frame and its components. Understand the potential hazards associated with each hazard symbol. For additional information, refer to the Symbols section (see below)
- Read, understand and observe the warning and caution statements included in this section of the manual.
- Read, understand and observe the warning and caution statements included in the other sections of this manual.

Symbols

	ELECTRICAL SHOCK HAZARD WARNING: This symbol is intended to alert the user to the presence of electrical shock hazards. It is important to follow all instructions and special procedures to avoid electrical shock to the operator, care provider and/or patient.
	WARNING: Indicates a potentially dangerous situation, which, if not avoided, could result in injury ranging from moderate to serious severity up to and including death.
	CAUTION: Indicates a potentially dangerous situation, which, if not avoided, could result in injury ranging from minor to moderate severity.
	FOOT CRUSH HAZARD WARNING: This symbol is intended to alert the user to the presence of foot crush hazards. Disregarding warning could result in patient and/or user injury, as well as damage to equipment.
	READ INSTRUCTIONS NOTICE: This symbol indicates that the bed must be assembled, positioned and used in accordance with these instructions.

Electrical Shock Hazard Warnings

	ELECTRICAL SHOCK HAZARD WARNING: Before any service or repair is performed, unplug power cords from outlets to eliminate the possibility of electrical shock.
	ELECTRICAL SHOCK HAZARD WARNING: To avoid risk of electric shock, this equipment must be connected to a supply mains with protective earth (i.e., a grounded outlet).
	ELECTRICAL SHOCK HAZARD WARNING: To avoid risk of electric shock or injury, use only manufacturer's approved power cords.
	ELECTRICAL SHOCK HAZARD WARNING: Before cleaning and disinfection procedures are performed, unplug power cords from outlets to eliminate the possibility of electrical shock.
	ELECTRICAL SHOCK HAZARD WARNING: Inappropriate handling of the power supply cords is hazardous. (e.g., by kinking, shearing or other mechanical damages).

Electrical Shock Hazard Warnings (cont'd)

	ELECTRICAL SHOCK HAZARD WARNING: Electrical shock or malfunction may occur if the hand control cord is pinched or frayed. Keep the cord away from moving parts.
--	--

Warnings

	WARNING: The bed should be left in its lowest position while the patient is unattended to reduce risk of injury due to falls.
	WARNING: When routing cables from other equipment in the bed, take precautions to avoid squeezing or pinching them between parts of the bed.
	WARNING: The bed is intended for adult use only.
	WARNING: Use only compatible mattresses. Incompatible mattresses can create hazardous conditions that may lead to injury or death.
	WARNING: Exceeding the safe working load listed in the specifications could result in patient or user injury, as well as damage to equipment or other property.
	WARNING: Exceeding the safe working load of the patient helper may result in patient and/or caregiver injury and could damage equipment or other property.
	WARNING: DO NOT lower the bed when objects are under it. Failure to inspect under the bed can result in personal injury or property damage.
	WARNING: Replacement and/or service of battery should be completed by only qualified service personnel.
	WARNING: Do not use the hand control if there is any damage to the cord or hand control. The bed's hand control must be routed and secured properly to ensure it does not become entangled and potentially severed during the normal operation of the bed or pose strangulation risk.
	WARNING: Do not use the scale system for medical treatment or to determine medication dosage.
	WARNING: Do not use auxiliary outlets to power life-sustaining equipment.
	WARNING: Do not modify this equipment without authorization from the manufacturer. If equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.

Warnings (cont'd)

	WARNING: Do not perform maintenance or service while a patient is on the bed.
	<p>WARNING: Bed rail entrapment is a serious health risk that can result in serious injury or even death. Agiliti recommends the care provider be mindful of the FDA guidelines relevant to bed rail entrapment, as serious injury can result. These guidelines can be found on the FDA website as referenced on page 21. When using a replacement mattress, the care provider is responsible for ensuring the mattress properly fits the bed frame.</p> <p>NOTE: The term bed rail includes the bed siderails, headboard and footboard.</p>
	WARNING: Ensure hands are clear of hinge areas when operating siderails up and down. Pinch point hazards exist in these areas and could cause injury.
	WARNING: Do not leave patient unattended when the SlideRail™ is up and in the mid or end positions (if equipped).
	WARNING: Ensure the SlideRail path is free of objects, attachments or accessories prior to sliding the SlideRail (if equipped).
	WARNING: Do not use the bed in an oxygen-rich environment or with oxygen tents.
	WARNING: Do not operate the bed in the presence of flammable gas or vapors.
	WARNING: Do not connect the power cords to an extension cord or multiple outlet strip due to the risk of overheating and fire.
	WARNING: Ensure the patient hoist is compatible with the bed frame's underbed clearance prior to use.
	WARNING: Only plug IEC/ISO-hospital grade equipment rated for 5A or less into auxiliary outlets. Leakage current could become unsafe if non-medical equipment is plugged into outlet.
	WARNING: Proper ground reliability can only be assured when the medical bed is plugged into a grounded, hospital grade outlet. External devices plugged into auxiliary outlets must not rely on basic insulation. This medical bed contains hospital-grade components to protect against electrical shock hazards.
	WARNING: Multiple socket outlets or extension cords should not be connected to the auxiliary outlets.


Warnings (cont'd)

	WARNING: If patient restraint straps are in use, severe patient injury could result from bed movement. Do not operate bed if patient restraint straps are in use.
	WARNING: Only hang Foley/drainage bags on marked locations.
	WARNING: Manual CPR release handle should be used only in an emergency situation.
	WARNING: Ensure adequate clearance around the bed prior to engaging manual or electric CPR function.
	WARNING: If electrical equipment is connected to the auxiliary outlet or USB port, ensure any electrical device introduced within the patient's vicinity does not cause electrical interferences. The connected electrical equipment could result in power cords or radiation-emitting devices close to the patient (ex: computer charger, mobile phone). Electrical interferences shall be managed to avoid biased diagnostics (ex: ECG monitors) or limited treatment efficiency (ex: pacemakers).
	WARNING: Avoid stacking or placing equipment adjacent to other equipment to prevent improper operation of the product. If such use is necessary, carefully observe the stacked or adjacent equipment to make sure it operates properly.
	WARNING: Do not apply the brakes to slow or stop the bed frame while it is in motion.
	WARNING: Do not use the headboard as a backboard for CPR.
	WARNING: The bed exit alarm is intended only to aid in the detection of a patient exiting the bed. The bed exit alarm does not replace patient monitoring protocols.
	WARNING: Do not expose the battery to excessive heat.
	WARNING: Do not attempt to transport the bed frame laterally. This may cause it to tip.
	WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 12 inches (30 cm) to any part of the bed, including specified bed cables. Degradation of the performance of the bed could result.














Warnings (cont'd)

	WARNING: The use of accessories, transducers, and cables other than those specified by the manufacturer may result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment. Improper operation may result.
	WARNING: If the IV pole is overloaded, patient and/or caregiver injury can occur. Ensure the IV pole is secured and used only for intravenous therapy.
	WARNING: The protocol timer function should not be used as the primary reminder for medical treatment.
	WARNING: The bed frame must be connected to an appropriate power source when in use.
	WARNING: Specialty mattresses, including air support surfaces, may pose a risk of entrapment. Prior to use, ensure the therapeutic benefits outweigh the risk of entrapment.
	WARNING: Mattress overlays may pose a risk of entrapment. Prior to use, ensure the therapeutic benefits outweigh the risk of entrapment.
	WARNING: If utilizing the bed without the headboard installed, ensure the IV pole is not placed in either of the head end locations. This placement could create an entrapment hazard.
	WARNING: Ensure the foot extension setting is compatible with the support surface length to prevent entrapment gaps.
	WARNING: Specialty mattresses, including air support surfaces, may pose a risk of injury due to patient fall. Prior to use, ensure the therapeutic benefits outweigh the fall risk. Place siderails in the up position as necessary to prevent the patient from accidentally slipping or rolling off the bed.
	WARNING: Ensure feet are clear of the underbed area while moving or operating the bed.
	WARNING: The annual preventive maintenance inspection (PMI) should only be performed by an authorized Agiliti technician or other designated individual with appropriate training and certifications. Failure to observe and follow this instruction may result in personal injury or damage to equipment.





Cautions

	CAUTION: Bed casters must be locked to reduce the risk of injury due to unintended movements of the bed.
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Cautions (cont'd)

	CAUTION: Failure to install the access restriction tab on each auxiliary AC outlet (as required) may result in electric shock, personal injury or violation of operational safety protocols. Equipment damage may also occur.
	CAUTION: Only one person should occupy the bed at a time.
	CAUTION: If the patient helper or IV pole is installed on the bed, pay close attention to the space around the bed and accessories during moving, lifting or tipping to avoid damaging the equipment or surroundings.
	CAUTION: The bed is not intended for automatic washing systems.
	CAUTION: The bed is not intended for use in jet stream washing.
	CAUTION: Use only approved replacement parts.
	CAUTION: Ensure the patient is positioned properly within the confines of the bed prior to operating the functions of the bed. Do not let patient extremities protrude over the side or between the siderails when performing bed functions.
	CAUTION: Prior to operating the functions of the bed, ensure the bed movements will not cause damage or harm to others or items surrounding the bed.
	CAUTION: Ensure maintenance and installation are performed exclusively by qualified personnel.
	CAUTION: Use only the headboard and footboard to move the bed. Using siderails or other accessories to move the bed may result in damage and lead to a hazardous situation.
	CAUTION: Ensure feet are clear when lowering siderails with bed in the lowest position.
	CAUTION: Ensure restraint straps are attached in the correct locations to reduce patient injuries.
	CAUTION: Ensure adequate clearance around the bed for easy access to bed controls and electrical connections.

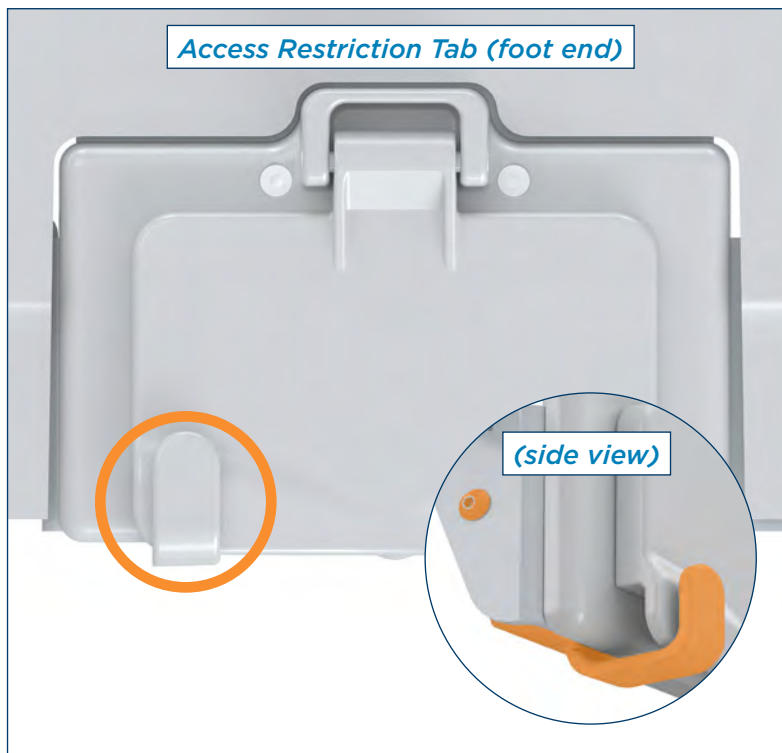
Cautions (cont'd)

	CAUTION: Use bed in its intended environments only. The bed is not intended to be used for magnetic resonance imaging.
	CAUTION: If RFI causes erratic device behavior, unplug the electric bed immediately. Leave unplugged while transmission is in progress.
	CAUTION: Equipment plugged into either auxiliary outlet becomes integral to the medical device and shall be treated as such.
	CAUTION: To ensure proper operation of the bed nurse call function, be sure the dummy plug (included with bed) is installed in the upper 37-pin nurse call connector on the head bumper. If the dummy plug is not installed, the bed's nurse call alerts may fail to activate the facility nurse call system.

Access Restriction Tab - Auxiliary AC Outlets

	CAUTION: Failure to install the access restriction tab on each auxiliary AC outlet (as required) may result in electric shock, personal injury or violation of operational safety protocols. Equipment damage may also occur.
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The access restriction tab on each auxiliary AC outlet is a critical safety mechanism designed to prevent unauthorized or unintended use of the power outlet. Removal and replacement of this tab must only be performed by qualified personnel in accordance with applicable safety procedures. The tab must be reinstalled immediately after maintenance or authorized use to ensure continued protection against accidental contact or misuse.



Specifications

Application Environment Standard	Environment Type
IEC 60601-2-52:2015	1: Critical Care, 2 :Acute Care, 3: Long-term Care and 5: Outpatient Care


Classification	Standard
Technical and Quality Assurance	IEC 60601-1, IEC 60601-1-2, IEC 60601-1-6, IEC 60601-2-52
FDA Equipment Classification	Class 2 Exempt
Protection Against Electrical Shock	Type B, Class I
Protection Against Water Ingress	IPX4

Dimensions, Capacities and Additional Specifications		Value/Range	
Minimum Patient Weight		70 lb.	31.8 kg
Maximum Patient Weight		550 lb.	249.5 kg
Bed Frame Safe Working Load		650 lb.	294.8 kg
Patient Helper Safe Working Load *		170 lb.	77.1 kg
IV Pole Safe Working Load *		50 lb.	22.7 kg
Minimum Bed Deck Height (lowest position)		11.5 in.	29 cm
Maximum Bed Deck Height		30 in.	76 cm
Bed Deck Width		34 in.	86 cm
Bed Deck Length	Min. (foot section fully retracted)	80 in.	203 cm
	Max. (foot section fully extended)	88 in.	223 cm
Overall Bed Frame Length		91 to 99 in.	231 to 252 cm
Overall Bed Frame Width		41 in.	104 cm
Bed Frame Weight with SlideRail™ (not including support surface)		765 lb.	347 kg
Bed Frame Weight with fixed mid siderails (not including support surface)		750 lb.	340 kg
IV Pole Weight *		2.94 lb.	1.3 kg
Patient Helper Weight *		15 lb.	6.8 kg
Caster Size		5 in.	127 mm

*Patient helper and IV pole are optional accessories

Dimensions, Capacities and Additional Specifications (cont'd)	Value/Range
Trendelenburg/Reverse Trendelenburg Range of Motion	-15° to 20°
Head Section Range of Motion	0° to 63°
Thigh Section Range of Motion	0° to 39°
Foot Section Range of Motion	0° to 9°
Underbed Clearance	6 in. (15 cm)
Maximum Acoustic Sound Pressure	73.3 dBA
Scale Accuracy (with mid frame level with the floor)	<ul style="list-style-type: none"> • ± 2% of patient weight in bed low position. • ± 4% of patient weight in bed heights other than bed low position.

Bed Electrical System Specifications	Value/Range
Classification	Class I Electrical
Electrical Specifications	100-240V AC, 50/60 Hz, 5A
Fuse Rating	T 5A 250V
Actuator Motor Duty Cycle	2 min. on, 18 min. off
Battery Type	Lithium-ion
Battery Quantity	2
Battery Rating (each battery)	25.7V
Battery Capacity (each battery)	2.9Ah
<p>NOTE: Class I electrical equipment: Protection against electrical shock relies on connection to protective earth of an appropriately rated hospital grade electrical outlet.</p> <p>NOTE: Control box CO71 contains a power supply that provides isolation from AC (mains) power.</p>	

Auxiliary AC Outlet Specifications	Value
Classification	Class I Electrical
Outlet Specifications	120V AC, 60 Hz, 5A
Fuse Rating	T 8A L250V
Outlet Locations	<ul style="list-style-type: none"> • 1 outlet on head bumper • 1 outlet on foot bumper <p>(2 receptacles per outlet)</p>
<div>  <p>WARNING: Only plug IEC/ISO-hospital grade equipment rated for 5A or less into auxiliary outlets. Leakage current could become unsafe if non-medical equipment is plugged into outlet.</p> </div>	

USB Port Specifications	Value
USB A Port on patient head siderail (right side)	5V (+/- 5%), 1.5A, 7.5W
USB A Port at head bumper (integrated with auxiliary AC outlet)	5V, 1.5A
USB C Port at head bumper (integrated with auxiliary AC outlet)	20V, 55W

Environmental Conditions: Operating	Value/Range
Ambient Temperature	50 to 104°F (10 to 40°C)
Relative Humidity (non condensing)	30% to 75%
Atmospheric Pressure	70-106 kPa

Environmental Conditions: Transport/Storage	Value/Range
Ambient Temperature	-15 to 122°F (-26 to 50°C)
Relative Humidity (non condensing)	10% to 80%
Atmospheric Pressure	50-106 kPa

Recommended Support Surface Dimensions		Value/Range	
Height (thickness)	Beds with SlideRail™	6 to 10.5 in.	15 to 27 cm
	Beds with fixed mid siderails	7 to 8 in.	18 to 20 cm
Length		80 to 88 in.	203 to 223 cm
Width		34 to 35 in.	86 to 89 cm



WARNING: Specialty mattresses, including air support surfaces, may pose a risk of entrapment. Prior to use, ensure the therapeutic benefits outweigh the risk of entrapment.



WARNING: Specialty mattresses, including air support surfaces, may pose a risk of injury due to patient fall. Prior to use, ensure the therapeutic benefits outweigh the fall risk. Place siderails in the up position as necessary to prevent the patient from accidentally slipping or rolling off the bed.









WARNING: Use only compatible mattresses. Incompatible mattresses can create hazardous conditions that may lead to injury or death.

EMC Information

EMC Safety Precautions

The Essentia™ bed frame has been tested for compliance with electromagnetic compatibility (EMC) requirements. The guidelines in this section will help ensure the equipment meets the requirements of the standard.

	<p>WARNING: If electrical equipment is connected to the auxiliary outlet or USB port, ensure any electrical device introduced within the patient's vicinity does not cause electrical interferences. The connected electrical equipment could result in power cords or radiation-emitting devices close to the patient (ex: computer charger, mobile phone). Electrical interferences shall be managed to avoid biased diagnostics (ex: ECG monitors) or limited treatment efficiency (ex: pacemakers).</p>
	<p>WARNING: Avoid stacking or placing equipment adjacent to other equipment to prevent improper operation of the product. If such use is necessary, carefully observe the stacked or adjacent equipment to make sure it operates properly.</p>
	<p>WARNING: Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of the bed including specified bed cables. Degradation of the performance of the bed could result.</p>
	<p>WARNING: The use of accessories, transducers, and cables other than those specified by the manufacturer may result in increased electromagnetic emissions or decreased electromagnetic immunity of this equipment. Improper operation may result.</p>
	<p>CAUTION: If RFI causes erratic device behavior, unplug the electric bed immediately. Leave unplugged while transmission is in progress.</p>
	<p>CAUTION: This device conforms to all requirements specified by the standards for electromagnetic compatibility (EMC). Problems are not likely to be encountered by the user due to inadequate electromagnetic immunity. While the standards are based on expected environments of use, electromagnetic immunity is always relative. If unusual, intermittent device behavior is encountered and can be associated with cell phones, radio or TV transmitters, or electro-medical equipment, electromagnetic interference could be the cause. If such interference occurs, the interfering equipment should be moved away from this device.</p>

Guidance and Manufacturer's Declaration – Emissions

The Essentia™ bed frame is intended for use in the electromagnetic environment specified below. The customer or user of the product should ensure that it is used in such an environment.

Emission Test	Compliance	Electromagnetic Environment Guidance
RF Emissions CISPR 11	Group 1	This equipment uses RF energy only for its internal functions. Therefore, its RF emissions are very low and not likely to cause any interference in nearby electronic equipment.
RF Emissions CISPR 11	Class A	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.
Harmonic Emissions IEC 61000-3-2	Class A	
Voltage Fluctuations and Flicker IEC 61000-3-3	Complies	

Guidance and Manufacturer's Declaration – Immunity

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Electrostatic Discharge (ESD) IEC 61000-4-2	±8kV Contact ±2kV, ±4kV, ±8kV, and ±15kV, Air	±8kV Contact ±2kV, ±4kV, ±8kV, and ±15kV, Air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%.
Electrical Fast Transients and Bursts (EFT) IEC 61000-4-4	±2kV Mains	±2kV Mains	Mains power quality should be that of a typical commercial or hospital environment.
Surges IEC 61000-4-5	±1kV Differential ±2kV Common	±1kV Differential ±2kV Common	Mains power quality should be that of a typical commercial or hospital grade.
Voltage Dips and Short Interruptions IEC 61000-4-11	0% U_T : 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% U_T : 1 cycle At 0° and 180° 70% U_T : 25 cycles (50Hz) At 0° and 180° 0% U_T : 250 cycles (50Hz) At 0° and 180°	0% U_T : 0.5 cycle At 0°, 45°, 90°, 135°, 180°, 225°, 270°, and 315° 0% U_T : 1 cycle At 0° and 180° 70% U_T : 25 cycles (50Hz) At 0° and 180° 0% U_T : 250 cycles (50Hz) At 0° and 180°	Mains power quality should be that of a typical commercial or hospital environment. If the user requires continued operation during power mains interruptions, it is recommended that the control unit be powered from an interruptible power supply or battery.
Power Frequency Magnetic Fields IEC 61000-4-8	30A/m (50/60Hz)	30A/m (50/60Hz)	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 AC mains voltage prior to application of the test level.

Guidance and Manufacturer's Declaration – Immunity (cont'd)

Immunity Test	IEC 60601 Test Level	Compliance Level	Electromagnetic Environment Guidance
Conducted RF IEC 61000-4-6	3V RMS 0.15MHz – 80MHz 6V RMS ISM bands between 0.15MHz – 80MHz 80% AM at 1KHz	3V RMS 0.15MHz – 80MHz 6V RMS ISM bands between 0.15MHz – 80MHz 80% AM at 1KHz	Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey ¹ , should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with this symbol.
Radiated RF IEC 61000-4-3	3V/m 80MHz – 2.7GHz 80% AM at 1KHz	3V/m 80MHz – 2.7GHz 80% AM at 1KHz	

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







¹ 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 product is used exceeds the applicable RF compliance level above, the control unit should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the control unit.

Guidance and Manufacturer's Declaration – Immunity (cont'd)

Immunity to Proximity Fields from Radio Frequency Wireless Communications Equipment						
In addition to the Radiated RF IEC 61000-4-3 as shown in the table on the previous page, the product has been tested as specified in the table below.						
Test Frequency (MHz)	Band (MHz)	Service	Modulation	Maximum Power (W)	Distance (m)	Immunity Test Level (V/m)
385	380–390	Tetra 400	Pulse Modulation 18 Hz	1.8	0.3	27
450	430–470	GMRS 460, FRS 460	Pulse Modulation 18 Hz	2	0.3	28
710	704–787	LTE Band 13, 17	Pulse Modulation 217 Hz	0.2	0.3	9
745						
780						
810	800–960	GSM 800/900 TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation 18 Hz	2	0,3	28
870						
930						
1720	1700–1990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse Modulation 217 Hz	2	0,3	28
1845						
1970						
2450	2400–2570	Bluetooth WLAN, 802 .11 b/g/n, RFID	Pulse Modulation 217 Hz	2	0.3	28
5240	5100–5800	WLAN 802 .11 a/n	Pulse Modulation 217 Hz	0.2	0.3	9

Set-Up Instructions

Power Connections

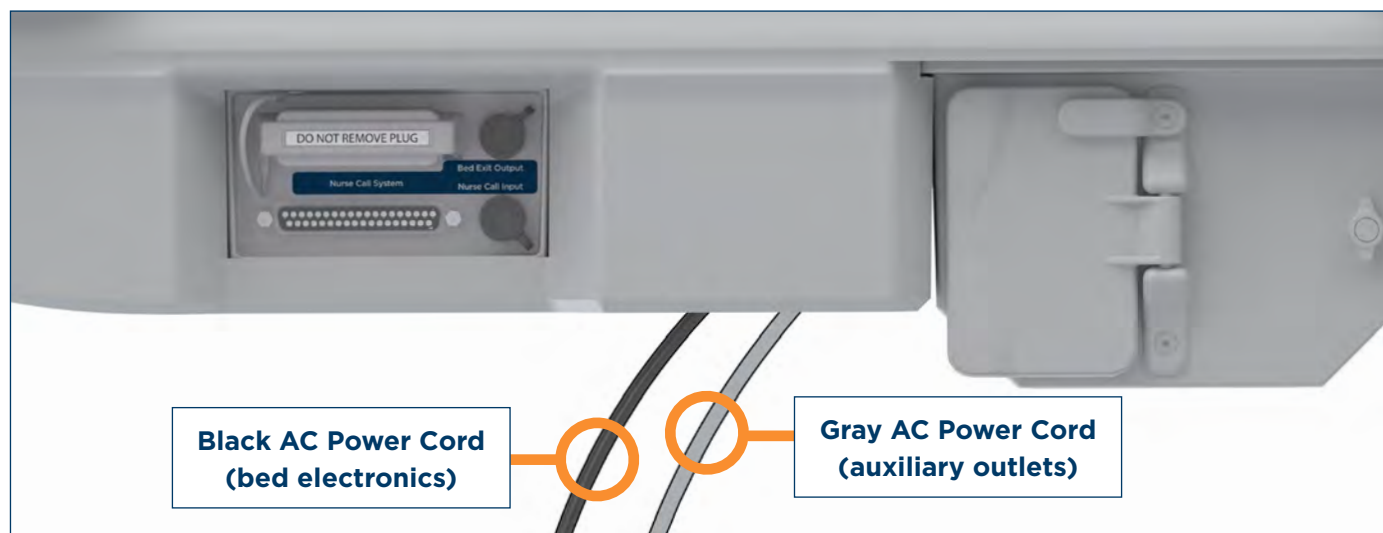
	ELECTRICAL SHOCK HAZARD WARNING: To avoid risk of electric shock, this equipment must be connected to a supply mains with protective earth (i.e., a grounded outlet).
	ELECTRICAL SHOCK HAZARD WARNING: To avoid risk of electric shock or injury, use only manufacturer's approved power cords.
	ELECTRICAL SHOCK HAZARD WARNING: Before cleaning and disinfection procedures are performed, unplug power cords from outlets to eliminate the possibility of electrical shock.
	ELECTRICAL SHOCK HAZARD WARNING: Inappropriate handling of the power supply cords is hazardous. (e.g., by kinking, shearing or other mechanical damages)
	WARNING: Do not connect the power cords to an extension cord or multiple outlet strip, due to risk of overheating and fire.
	WARNING: The bed frame must be connected to an appropriate power source when in use.

Two 120 VAC power cords are located at the head end of the bed frame. The black cord provides power to the bed frame electrical system. The gray cord provides power to the auxiliary AC outlets located at the head and foot ends of the bed frame.

NOTE: Be sure to connect **both** power cords to the wall outlet.

Refer to the Specifications section of this manual for power requirements. Also see the manufacturer's label affixed to the bed frame.

The home screen will appear on the footboard CareMetrix™ display a few seconds after AC power is connected. For additional information, refer to instructions beginning on page 82.



Nurse Call Cable Connections



CAUTION: To ensure proper operation of the bed nurse call function, be sure the dummy plug (included with bed) is installed in the upper 37-pin nurse call connector on the head bumper. If the dummy plug is not installed, the bed's nurse call alerts may fail to activate the facility nurse call system.

To enable the bed's nurse call function, a nurse call cable (user provided) must be connected from the bed to the facility nurse call system.

Connections for the nurse call system are located at the head end of the bed. Two 37-pin connectors and two 1/4" jack connectors are provided.

Nurse call alerts may be triggered by the bed's nurse call buttons, bed exit alarm or protocol timer alarm.

IMPORTANT: After connecting the nurse call cable, be sure the dummy plug (attached with a tether strap) is installed in the upper 37-pin connector. Refer to the CAUTION statement at the beginning of this section for additional information.



Nurse Call Cable Connections (enlarged view)

Hand Control Connections



ELECTRICAL SHOCK HAZARD WARNING: Electrical shock or malfunction may occur if the hand control cord is pinched or frayed. Keep the cord away from moving parts.



WARNING: Do not use the hand control if there is any damage to the cord or hand control. The bed's hand control must be routed and secured properly to ensure it does not become entangled and potentially severed during the normal operation of the bed or pose strangulation risk.

Two hand control connections are located at the head end of the bed (one on each side). The hand control can be connected to either connection, whichever is more convenient.

NOTE: Always install the protective cap (provided with bed) over the hand control connection that is not in use.



Bed Features




Cord Wrap

Two cord wrap posts are located at the head end of the bed. Both AC power cords should be stored around the cord wrap posts before the bed is moved and whenever the bed is stationary and excess cord lengths are present.

One cord wrap post has an orange upper section that can be lifted and rotated to allow easier removal of the wrapped cords. The top portion of the other cord wrap post is fixed (not movable).

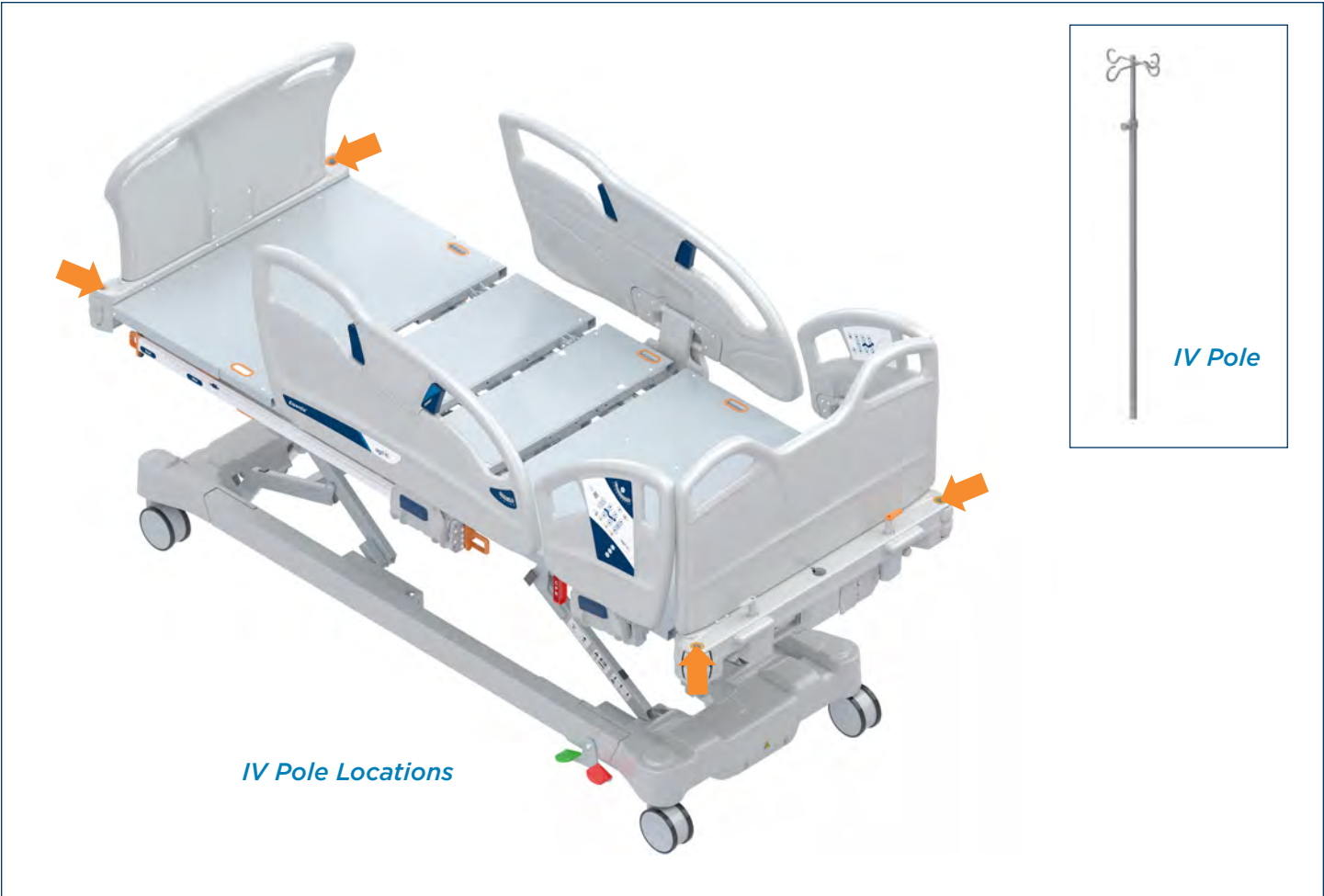


IV Pole Installation

	WARNING: If the IV pole is overloaded, patient and/or caregiver injury can occur. Ensure the IV pole is secured and used only for intravenous therapy.
	WARNING: If utilizing the bed without the headboard installed, ensure the IV pole is not placed in either of the head end locations. This placement could create an entrapment hazard.
	CAUTION: If the patient helper or IV pole is installed on the bed, pay close attention to the space around the bed and accessories during moving, lifting or tipping to avoid damaging the equipment or surroundings.

An IV pole is available as an accessory. It can be installed in any of the four accessory sockets located at each corner of the bed. For identification purposes, an orange ring is located around each accessory socket.

IMPORTANT: IV pole safe working load is 50 lb. (22.7 kg).



Patient Helper Installation



WARNING: Exceeding the safe working load of the patient helper may result in patient and/or caregiver injury and could damage equipment or other property.



CAUTION: If the patient helper or IV pole is installed on the bed, pay close attention to the space around the bed and accessories during moving, lifting or tipping to avoid damaging the equipment or surroundings.

A patient helper is available as an accessory. It is installed in the patient helper mounting hole located at the head end of the bed frame.



To install:

1. Lift the patient helper support tube over the mounting hole in the head bumper.
2. Align locator tab with slot and lower the tube fully into the mounting hole.

IMPORTANT: Patient helper safe working load is 170 lb. (77.1 kg).

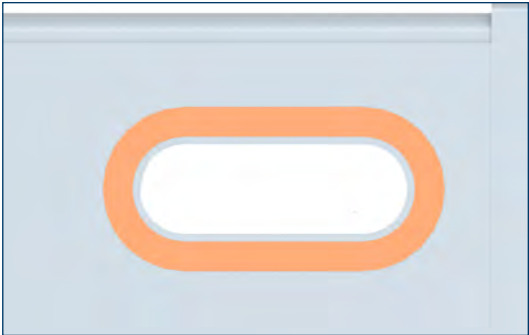


Patient Restraint and Support Surface Tie-Down Locations – Top View

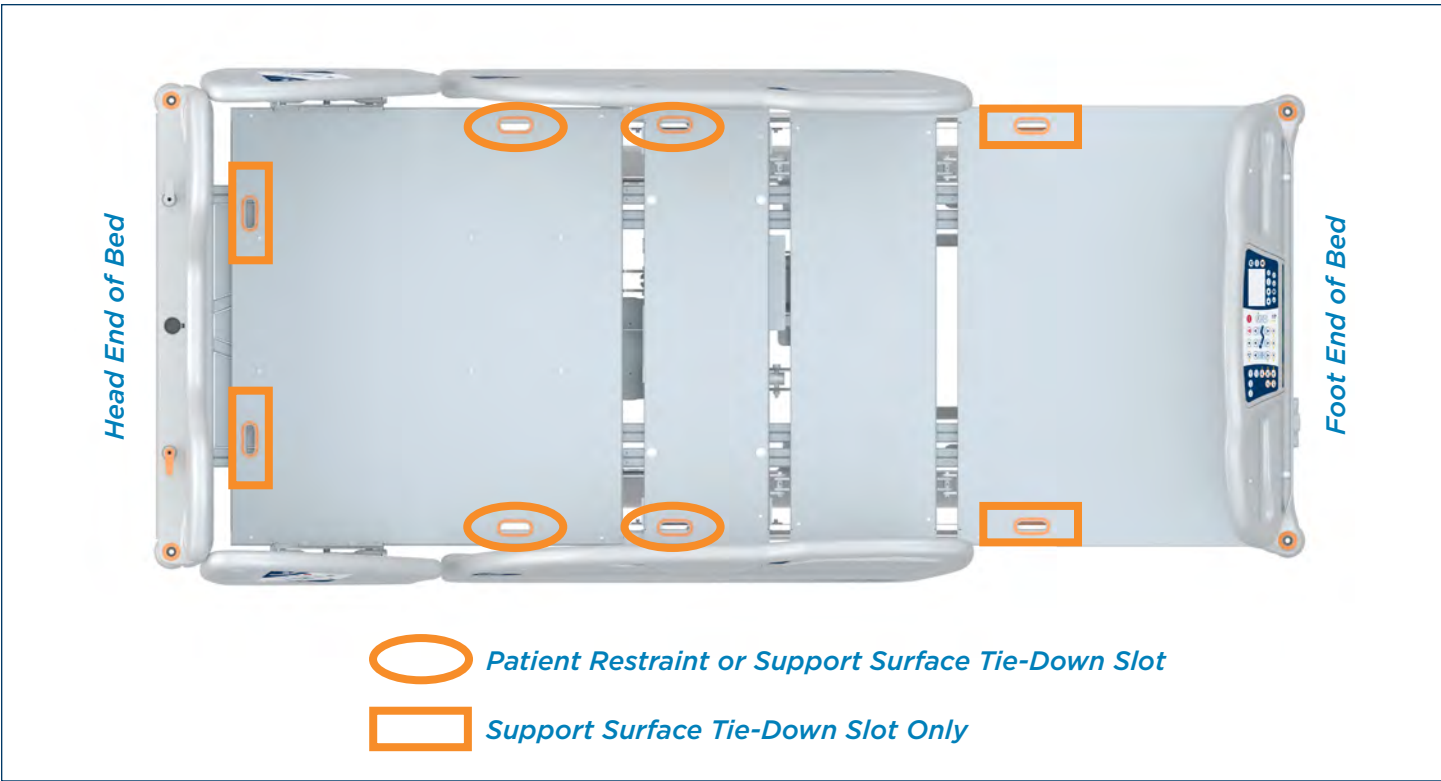
	WARNING: If patient restraint straps are in use, severe patient Injury could result from bed movement. Do not operate bed if patient restraint straps are in use.
	CAUTION: Ensure restraint straps are attached in the correct locations to reduce patient injuries.

A total of eight tie-down slots are located on the bed sections. Some slots are intended only for support surface tie-down. Others can be used for either support surface or patient restraint tie-down.

Refer to the figure below for locations.



Tie-Down Slot (typical)



Patient Restraint Tie-Down and Drainage Bag Hook Locations – Side View (Essentia™ with SlideRail™)



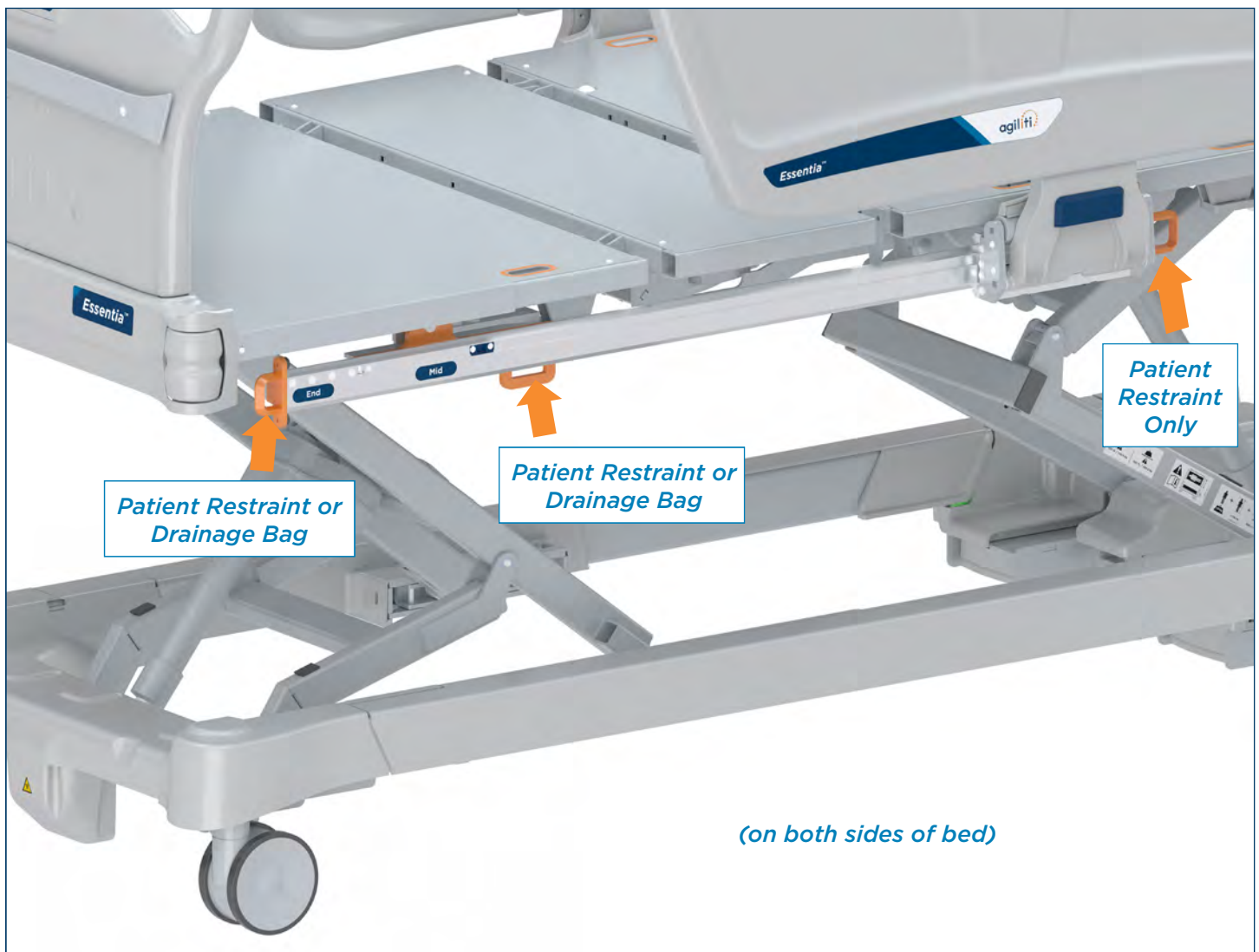
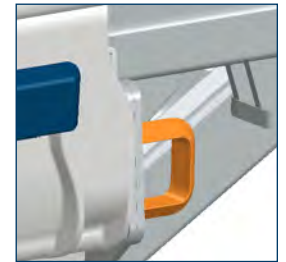
WARNING: If patient restraint straps are in use, severe patient injury could result from bed movement. Do not operate bed if patient restraint straps are in use.



CAUTION: Ensure restraint straps are attached in the correct locations to reduce patient injuries.

Provisions for attaching patient restraints and drainage bags are located under the bed deck, on both sides of the bed.

Refer to the figure below for locations.



Patient Restraint Tie-Down and Drainage Bag Hook Locations – Side View (Essentia™ with fixed mid siderails)



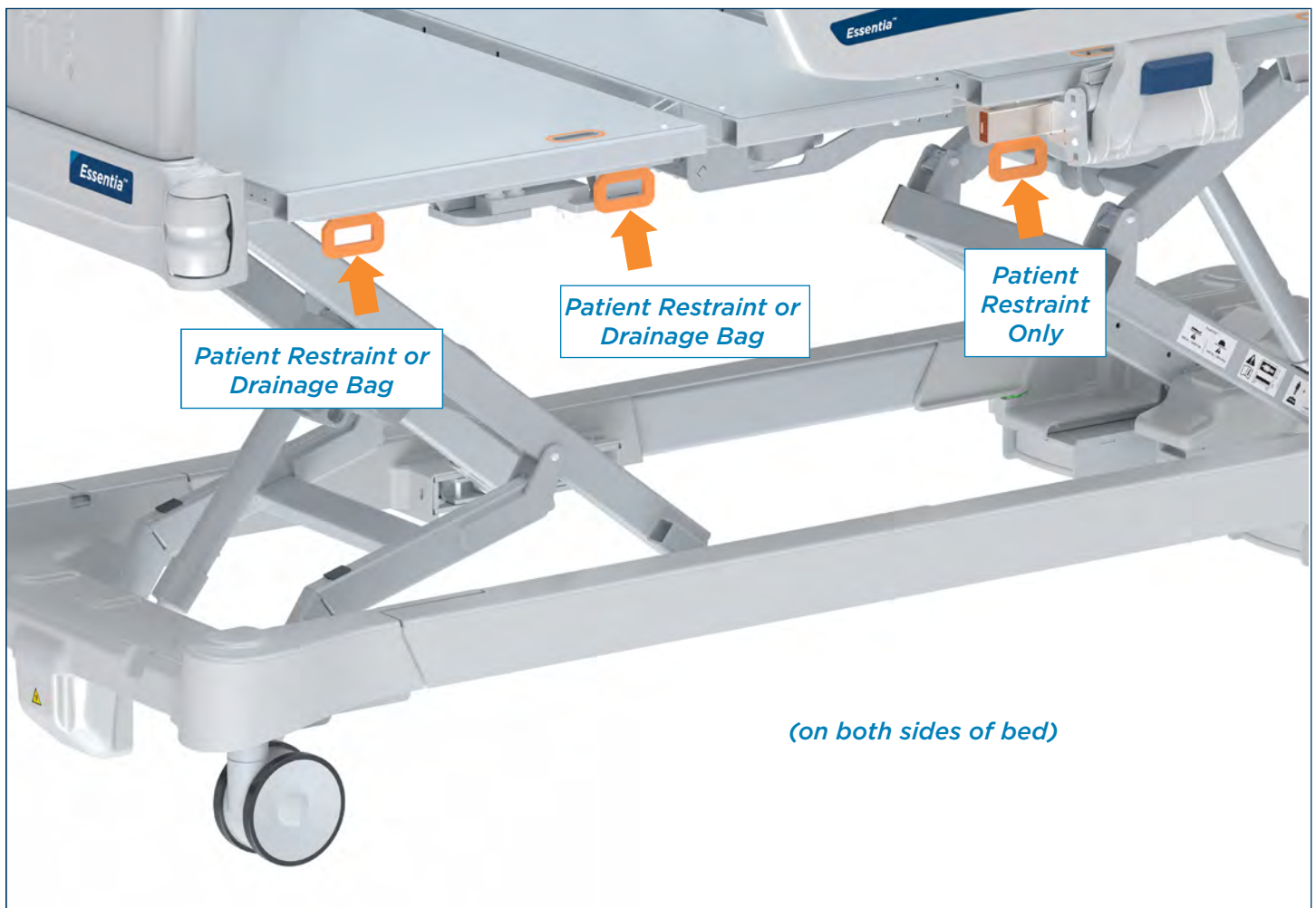
WARNING: If patient restraint straps are in use, severe patient Injury could result from bed movement. Do not operate bed if patient restraint straps are in use.











CAUTION: Ensure restraint straps are attached in the correct locations to reduce patient injuries.

Provisions for attaching patient restraints and drainage bags are located under the bed deck, on both sides of the bed.

Refer to the figure below for locations.



Auxiliary AC Power Outlets

	WARNING: When routing cables from other equipment in the bed, take precautions to avoid squeezing or pinching them between parts of the bed.
	WARNING: Do not use auxiliary outlets to power life-sustaining equipment.
	WARNING: If electrical equipment is connected to the auxiliary outlet or USB port, ensure any electrical device introduced within the patient's vicinity does not cause electrical interferences. The connected electrical equipment could result in power cords or radiation-emitting devices close to the patient (ex: computer charger, mobile phone). Electrical interferences shall be managed to avoid biased diagnostics (ex: ECG monitors) or limited treatment efficiency (ex: pacemakers).
	WARNING: Only plug IEC/ISO-hospital grade equipment rated for 5A or less into auxiliary outlets. Leakage current could become unsafe if non-medical equipment is plugged into outlet.
	WARNING: Proper ground reliability can only be assured when the medical bed is plugged into a grounded, hospital grade outlet. External devices plugged into auxiliary outlets must not rely on basic insulation. This medical bed contains hospital-grade components to protect against electrical shock hazards.
	WARNING: Multiple socket outlets or extension cords are not to be connected to the auxiliary outlets.
	CAUTION: Multiple socket outlets or extension cords are not to be connected to the auxiliary outlets.
	CAUTION: Equipment plugged into either auxiliary outlet becomes integral to the medical device and shall be treated as such.

Two 120V auxiliary AC power outlets are provided. One outlet is located on the head bumper and a second outlet is located on the foot bumper. Each outlet contains two power receptacles and is covered by an access door. The access door should be closed when the outlet is not in use.

NOTE: The auxiliary AC outlet circuit is protected by an 8 amp fuse. However, connected equipment (hospital-grade only) must not exceed 5 amps.

NOTE: Auxiliary outlets are shown with access restriction tabs removed. Access restriction tabs should be removed or installed only by authorized personnel. Refer to instructions on page 28 for additional information.



USB Ports

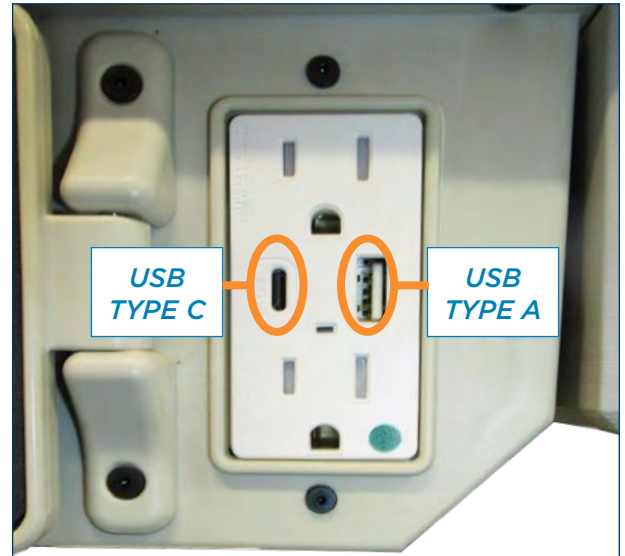


WARNING: If electrical equipment is connected to the auxiliary outlet or USB port, ensure any electrical device introduced within the patient's vicinity does not cause electrical interferences. The connected electrical equipment could result in power cords or radiation-emitting devices close to the patient (ex: computer charger, mobile phone). Electrical interferences shall be managed to avoid biased diagnostics (ex: ECG monitors) or limited treatment efficiency (ex: pacemakers).

One USB type A port and one USB type C port are integrated into the auxiliary AC power outlet located on the head bumper. The outlet access door must be opened to use these USB ports.

An additional USB type A port is located on the right side patient keypad.

NOTE: The USB ports can be used to charge most cellphones and tablets. However, they are not designed for use with laptop computers or other high power draw USB devices. Refer to the Specifications section of this manual for USB port power rating information.



Footboard

The footboard is rated to withstand the force of a patient who weighs the maximum patient weight while lying in bed at 20 degrees of reverse Trendelenburg.



Hanger Bar

A hanger bar is mounted on the footboard, just below the keypad. Accessories and other equipment such as support surface pumps can be attached to the hanger bar.








Corner Rollers

The bed frame contains four vertically mounted rollers, one at each corner of the bed deck. These rollers help prevent damage if the bed accidentally contacts walls or other surfaces.



Operating Instructions

	WARNING: The bed should be left in its lowest position while the patient is unattended to reduce risk of injury due to falls.
	WARNING: DO NOT lower the bed when objects are under it. Failure to inspect under the bed can result in personal injury or property damage.
	CAUTION: Ensure the patient is positioned properly within the confines of the bed prior to operating the functions of the bed. Do not let patient extremities protrude over the side or between the siderails when performing bed functions.
	CAUTION: Prior to operating the functions of the bed, ensure the bed movements will not cause damage or harm to others or items surrounding the bed.
	CAUTION: Ensure adequate clearance around the bed for easy access to bed controls and electrical connections.

Headboard, Footboard and Siderails

Remove and Install Headboard



WARNING: Do not use the headboard as a backboard for CPR.

To remove:

Grasp the headboard at the top with both hands and pull up firmly until it is removed.

To install:

1. Position the headboard at the head end of the bed.
2. Check for proper orientation before continuing. One of the headboard mounting holes on the head bumper contains a locator pin. Position the headboard so that the support post with the hollow center will enter the mounting hole containing the locator pin.
3. Lift the headboard with both hands and suspend it over the head bumper.
4. Align the headboard support posts with the mounting holes in the head bumper. Then, lower the headboard until it is fully seated.

NOTE: If the support posts cannot be inserted into the mounting holes, rotate the headboard 180 degrees and try installing it again.



Remove and Install Footboard

To remove:




Grasp the footboard at the top with both hands and pull up firmly until it disengages.

To install:

1. Before beginning, position the footboard so the keypad panel faces outward, away from the bed deck.
2. Lift the footboard with both hands and suspend it over the foot bumper.
3. Align the footboard support posts with the mounting holes in the foot bumper. Then, lower the footboard until it is fully seated.



Raise and Lower Siderails

	WARNING: Ensure hands are clear of hinge areas when operating siderails up and down. Pinch point hazards exist in these areas and could cause injury.
	WARNING: Specialty mattresses, including air support surfaces, may pose a risk of injury due to patient fall. Prior to use, ensure the therapeutic benefits outweigh the fall risk. Place siderails in the up position as necessary to prevent the patient from accidentally slipping or rolling off the bed.
	CAUTION: Ensure feet are clear when lowering siderails with bed in the lowest position.

The head siderails are located at the head end, on each side of the bed.

The mid siderails are located in between the head and foot ends, on each side of the bed.

All four siderails contain a damping mechanism, which allows them to be lowered gently without dropping.

To lower a siderail: Pull the siderail release handle until it unlatches. Allow the siderail to move to the down position.

To raise a siderail: Firmly grasp the siderail at the top. Then, lift the siderail until it latches into the up position.

NOTE: For beds equipped with SlideRail™, refer to additional instructions on page 53.



Siderails (up position)






Siderails (down position)



Siderail Release Handle

SlideRail™ Operation (if equipped)

	WARNING: Do not leave patient unattended when the SlideRail is up and in the mid or end positions (if equipped).
	WARNING: Ensure the SlideRail path is free of objects, attachments or accessories prior to sliding the SlideRail (if equipped).
	WARNING: Only hang Foley/drainage bags on marked locations.

SlideRail may be installed on your Essentia™ bed frame (one on each side of the bed) and replaces the conventional fixed mid siderails discussed in the previous section of this manual. In addition to being raised and lowered in the usual way, each SlideRail can also be positioned toward the head or foot of the bed to facilitate patient ingress and egress and to improve caregiver access.



SlideRail™ Operation (if equipped) (cont'd)

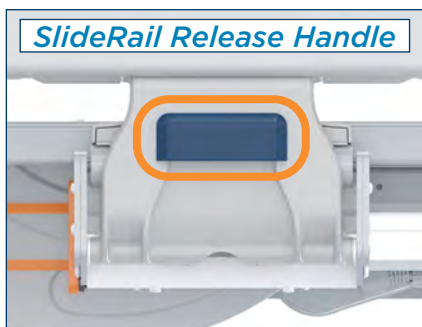
To operate the SlideRail sliding function:

1. Pull the release handle to unlatch the SlideRail. Allow the SlideRail to lower to the down position.

NOTE: The SlideRail must be in the down position to use the sliding function. It will not slide when in the up/locked position.

2. Press either of the SlideRail paddles to unlock the sliding mechanism. You will now be able to slide the SlideRail along its built-in track. There are three detented positions: 1) home, 2) mid and 3) end. Refer to diagrams at the bottom of this page and on the next page.
3. Release the paddle while sliding to have the SlideRail stop at the **mid** position. Keep the paddle depressed to slide the SlideRail past the **mid** position to either the **home** or **end** position.

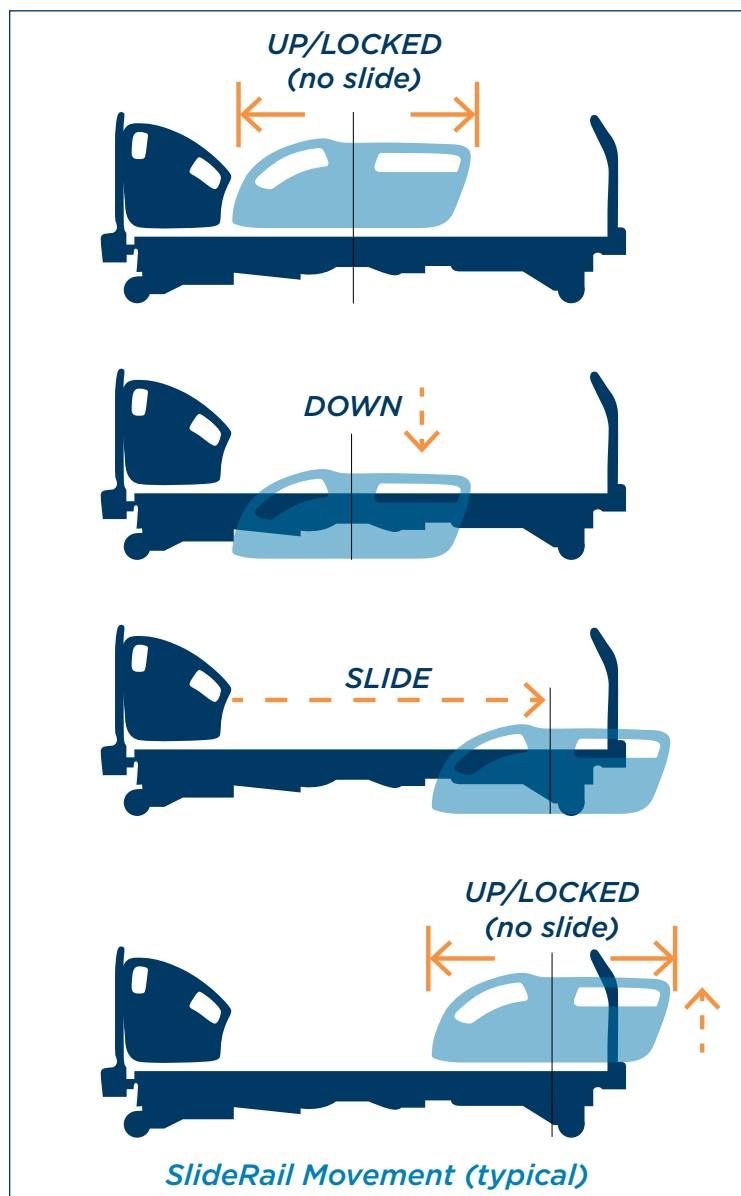
NOTE: The SlideRail must be in the **home**, **mid** or **end** position before being raised to the up/locked position. If located in between these positions, the SlideRail will not latch in the up/locked position when raised.



Refer to next page for additional information



SlideRail™ Operation (if equipped) (cont'd)








NOTE: The SlideRail must be in the down position to use the sliding function. It will not slide when in the up/locked position.

NOTE: The SlideRail can be left in any location along its track when in the down position. However, it must be in the **home, mid** or **end** position before being raised. If located in between these positions, the SlideRail will not latch in the up/locked position when raised.

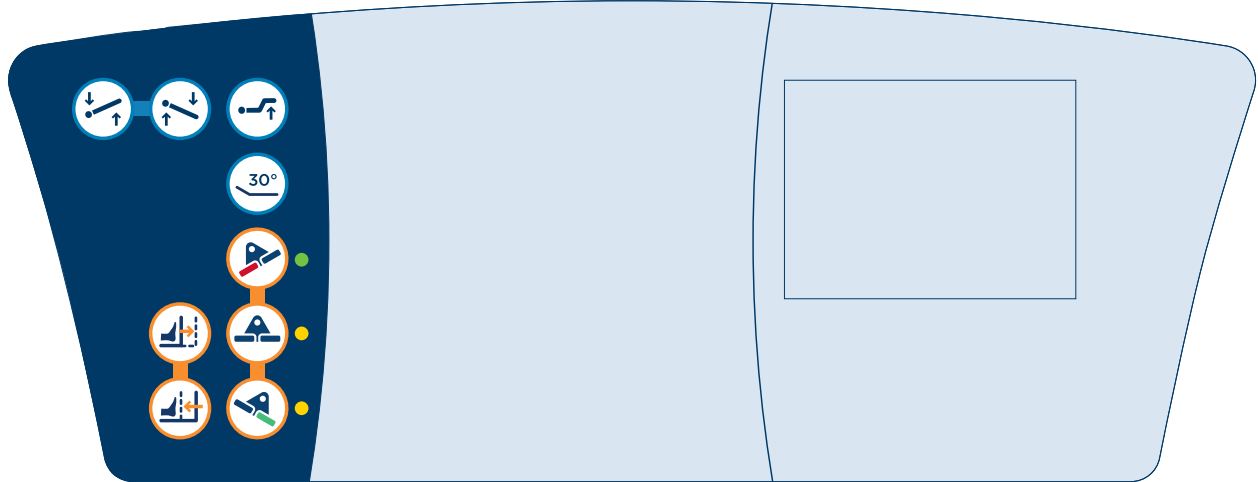
Refer to complete instructions on page 54.

Keypads and Indicator Lights

Hand Control Keypad

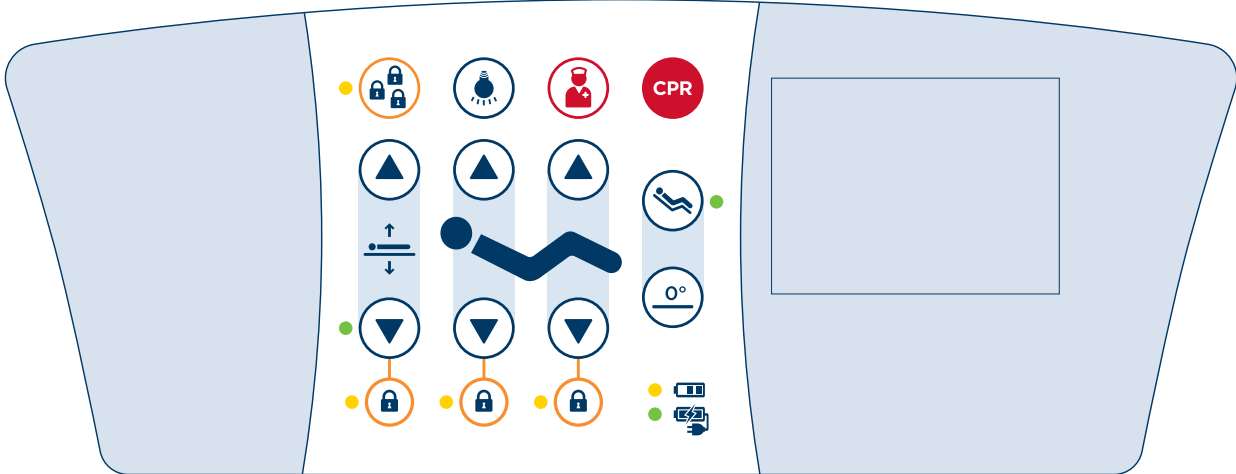


















 A vertical hand control keypad with a dark blue top and bottom section. The central white section contains four circular buttons: a light bulb icon (top left), a nurse icon (top right), a head up/down control (middle left), and a knee up/down control (middle right). The 'agiliti' logo is at the bottom of the white section.			
	Underbed Light Button		Nurse Call Button
	Head Up Button Head Down Button		Knee Up Button Knee Down Button

Footboard Keypad - Left Side Controls

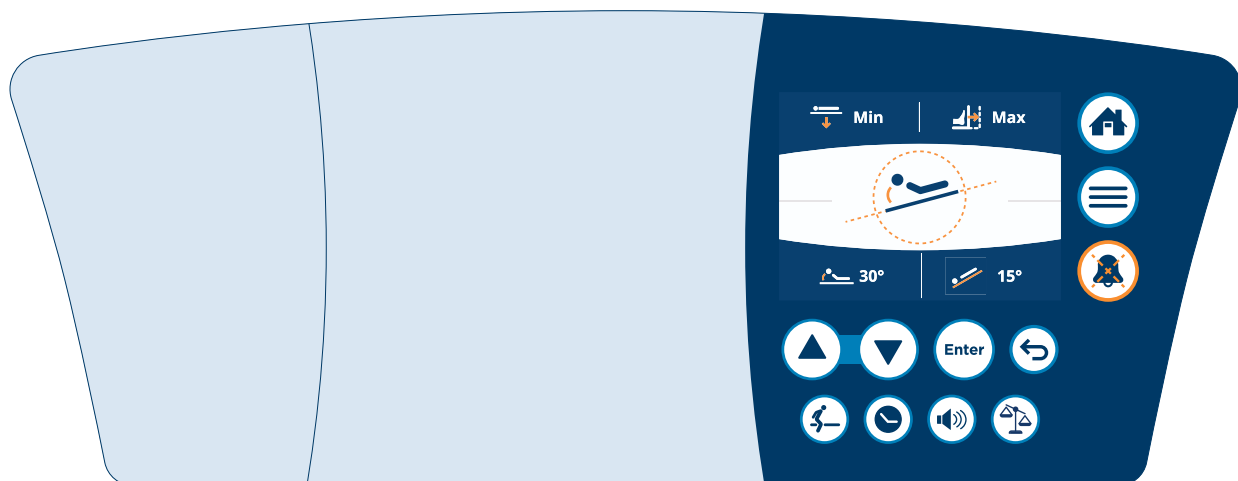


	Trendelenburg Button		Foot Extension In Button
	Reverse Trendelenburg Button		Foot Extension Out Button
	Vascular Position Button		Brake Button and Indicator Light
	30-Degree Angle Button (head section)		Neutral Button and Indicator Light
			Steer Button and Indicator Light

Footboard Keypad - Center Controls

			
	Master Lockout Button and Indicator Light		Lockout Button and Indicator Light (bed height up/down, head up/down, knee up/down)
	Underbed Light Button	  	Head Up Button
	Nurse Call Button		Head Down Button
	CPR Button		
	Battery Charge Level Indicator Light	  	Knee Up Button
	AC Power/Battery Charge Indicator Light		Knee Down Button
  	Bed Height Up Button	 	Chair Position Button and Indicator Light
	Bed Height Down Button and Indicator Light		Flat (zero-degree) Button

Footboard Keypad – Right Side Controls



	Home Button		Back Button
	Main Menu Button		Bed Exit Alarm Shortcut Button (to set or turn off alarm)
	Alarm Silence Button		Protocol Timer Shortcut Button
	Menu Scroll Up Button		Alarm Volume Shortcut Button
	Menu Scroll Down Button		Scale Settings Shortcut Button
	Enter Button		CareMetrix™ Display (home screen shown in illustrations)

SafeGlance™ Indicator Lights

			
Bed Exit Status Indicator		Protocol Timer Status Indicator	
Bed Low Status Indicator		Brake Status Indicator	
	Bed exit alarm off		Protocol timer off
	Bed exit alarm set (solid green)		Protocol timer set (solid green)
	Bed exit alarm alarming (flashing yellow)		Protocol timer limit exceeded (flashing yellow)
	Bed exit alarm paused (solid yellow)		Caster brakes locked (solid green) Green indicator light beside keypad brake lock buttons 
	Bed at lowest position (solid green)		Casters in neutral mode (solid yellow) Yellow indicator light beside keypad neutral buttons 
	Bed in any other position other than lowest position (solid yellow)		Casters in steer mode (solid yellow) Yellow indicator light beside keypad steer buttons 

Caregiver Keypads – Head Siderails (view 1 of 2)











	Master Lockout Button and Indicator Light		Lockout Button and Indicator Light (bed height up/down, head up/down, knee up/down)
	Underbed Light Button		Head Up Button
	Nurse Call Button		Head Down Button
	CPR Button		
	Battery Charge Level Indicator Light		Knee Up Button
	AC Power/Battery Charge Indicator Light		Knee Down Button
	Bed Height Up Button		Chair Position Button and Indicator Light
	Bed Height Down Button and Indicator Light		Flat (zero-degree) Button

Caregiver Keypads – Head Siderails (view 2 of 2)

			
	Foot Extension In Button		Brake Button and Indicator Light
	Foot Extension Out Button		Neutral Button and Indicator Light
	Trendelenburg Button		Steer Button and Indicator Light
	Reverse Trendelenburg Button		30-Degree Angle Button (head section)
	Vascular Position Button		Angle Indicator (head section)

Patient Keypads - Head Siderails



	Nurse Call Button		Head Up Button
	Underbed Light Button		Head Down Button
	Bed Height Up Button		Knee Up Button
	Bed Height Down Button		Knee Down Button
	USB Port (right side keypad)		Knee Down Button

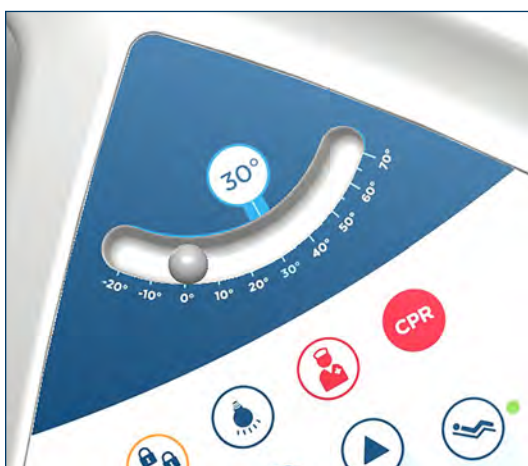
Major Controls and Indicators

Angle Indicators

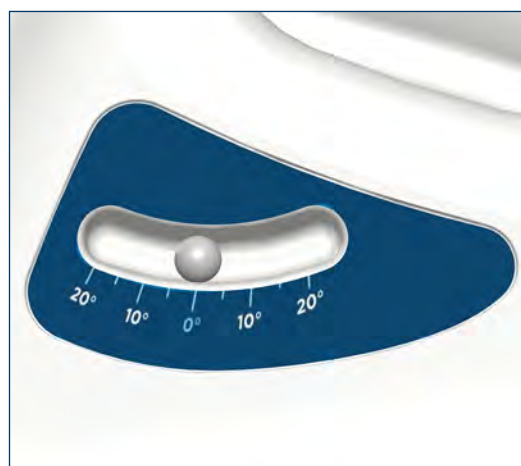
Head section angle indicators are located on both head siderails, at the top of each caregiver keypad. These indicators show the angle of the head section.

Trendelenburg and Reverse Trendelenburg angle indicators are located on the leading edge of each SlideRail™ or fixed mid siderail. These indicators show the Trendelenburg and reverse Trendelenburg angles of the bed's mid frame.

NOTE: Angle indicators can also be found on the CareMetrix™ home screen. Refer to the instructions on page 82 for additional information.



*Head Section
Angle Indicator*



*Trendelenburg/Rev. Trendelenburg
Angle Indicator*

CPR Button



WARNING: Ensure adequate clearance around the bed prior to engaging manual or electric CPR function.



WARNING: Do not use the headboard as a backboard for CPR.



The power-operated CPR function simultaneously places all the bed deck sections in the flat position and brings the bed frame level in relation to the floor.

CPR buttons are located on the caregiver head siderail keypads and on the footboard keypad.

Press and hold the CPR button to activate the CPR position function.

- The head, thigh and foot sections will all start moving to the flat position.
- If the bed frame is at a Trendelenburg or reverse Trendelenburg angle, it will move simultaneously to the level position.

Release the CPR button when all the sections stop moving and the entire deck is flat and horizontal to the floor.






BEFORE
(typical)



AFTER

Manual CPR Release Handle

	WARNING: Manual CPR release handle should be used only in an emergency situation.
	WARNING: Ensure adequate clearance around the bed prior to engaging manual or electric CPR function.
	WARNING: Do not use the headboard as a backboard for CPR.

A manual CPR release handle is located on each side of the bed frame, near the head end.

Pull the handle on either side of the bed frame to release the head section and lower it to the flat position.



Nurse Call Button

Nurse call buttons are located on the caregiver and patient keypads and on the footboard keypad. An additional nurse call button is located on the hand control.

Pressing any nurse call button will send a nurse call alert to the nurses’ station or other designated location.

Connections for the nurse call system are located on the head bumper. The nurse call cable (user supplied) must be connected for the nurse call feature to operate. Refer to page 38 for additional information.

IMPORTANT: To prevent possible damage, always disconnect the nurse call cable before moving the bed.



Head Up and Head Down Buttons

The head up and head down buttons control the height of the head section. They are located on the right and left caregiver keypads and on the footboard keypad.

Press and hold the up arrow button to raise the head section. Press and hold the down arrow button to lower the head section. Release either button when the desired angle is reached.

NOTE: The head section will not raise or lower if it is locked out. If a yellow indicator light is visible beside the head up/down lockout button, press and release the button to unlock. The yellow indicator light will go out, and the head section will now move when the arrow buttons are pressed.





Knee Up and Knee Down Buttons

The knee up and knee down buttons control the height of the thigh and foot sections. They are located on the right and left caregiver keypads and on the footboard keypad.

Press and hold the knee up arrow button to raise the thigh and foot sections. Press and hold the knee down arrow button to lower the thigh and foot sections. Release either button when the desired angle is reached. Both sections will raise and lower simultaneously.

NOTE: Sections will not raise or lower if it is locked out. If a yellow indicator light is visible beside the knee up/down lockout button, press and release the button to unlock. The yellow indicator light will go out, and the thigh and foot sections will now move when the arrow buttons are pressed.





Bed Height Up and Bed Height Down Buttons

The bed height up and down buttons control the overall height of the bed deck. They are located on the right and left caregiver keypads and on the footboard keypad.

Press and hold the up arrow button to raise the entire bed deck. Press and hold the down arrow button to lower the entire bed deck.

When the bed deck has been lowered to its minimum height, the green indicator light beside the down arrow button (on footboard and caregiver keypads only) will turn on. The bed low status indicator on the SafeGlance™ indicator lights will also change from solid yellow to solid green.

NOTE: The bed deck will not raise or lower if it is locked out. If a yellow indicator light is visible beside the bed height up/down lockout button, press and release the button to unlock. The yellow indicator light will go out, and the deck should now move when the arrow buttons are pressed.





Master Lockout Buttons

Master lockout buttons are located on the right and left caregiver keypads and on the footboard keypad.

To activate the master lockout feature, press and hold the master lockout button for **1 second** and then release it.

When the master lockout feature is activated, the yellow indicator light beside the master lockout button will turn on. In addition, the yellow indicator lights beside the three individual function lock buttons will also turn on, indicating the up and down arrow buttons for the main raise/lower functions are deactivated and the current settings are locked.

The master lockout feature will deactivate the keypad buttons and hand control buttons for all bed motion functions, except for the CPR function and the caster brake, neutral and steer functions.

To deactivate the master lockout feature, press the master lockout button again for **1 second** and then release it. The yellow indicator light beside the master lockout button and the yellow indicator lights beside the three individual function lock buttons will go out. The three main raise/lower functions can now be adjusted as desired, using the up arrow or down arrow buttons.



Individual Lockout Buttons

(bed height up/down, head up/down, knee up/down)

The footboard and caregiver keypads each contain three individual lockout buttons:

1. Bed Height Up and Bed Height Down Lockout Button

- Deactivates bed height up and bed height down arrow buttons.
- Also deactivates additional buttons for related functions in which the bed height changes, including Trendelenburg/Reverse Trendelenburg, vascular position and chair/flat position.

2. Head Up and Head Down Lockout Button

- Deactivates the head up and head down arrow buttons.
- Also deactivates additional buttons for related functions in which the head angle changes, including chair/flat position, vascular position and 30-degree angle.

3. Knee Up and Knee Down Lockout Button

- Deactivates the knee up and knee down arrow buttons.
- Also deactivates additional buttons for related functions in which the knee angle changes, including chair/flat position and vascular position.

Operation:

- To lock out a function: Press and release the lockout button directly below the arrow buttons for the function to be locked out. The yellow indicator light beside the lockout button will turn on, indicating the arrow buttons are deactivated. Changes to the current setting are prevented.
- To unlock a function: Press and release the lockout button again. The yellow indicator light will go out and the setting can now be adjusted as desired, using the corresponding arrow buttons. Buttons for related functions that were deactivated will also be made operational.



AC Power/Battery Charging Indicator Light

A solid green indicator light confirms AC power is connected and that the batteries are fully charged. A flashing green indicator light indicates that the batteries are charging, but not fully charged.

NOTE: The system is automatically in charge mode whenever the bed is connected to an AC power outlet. Up to 8 hours will be required to fully charge the backup batteries if they are fully discharged.



Battery Charge Level Indicator Light

The battery charge level indicator light is visible only while the bed frame is disconnected from AC electrical power.

A solid yellow indicator light confirms the battery charge level is greater than 20 percent.

A flashing yellow indicator light confirms the battery charge level has dropped to 20 percent or less of full charge.

NOTE: When the indicator light is flashing yellow, low charge level alerts will appear on the footboard keypad display, and a beeping alert will sound.



30-Degree Angle Buttons

One 30-degree angle button is located on the footboard keypad. Additional 30-degree angle buttons are located on the left and right caregiver keyboards (integrated with the angle indicators). Button markings vary slightly, but all 30-degree angle buttons perform the same function and operate in an identical manner.



Press and hold any 30-degree angle button to begin moving the head section. Continue holding the button until the section stops moving at the 30 degrees position (relative to the floor). If an angle of less than 30 degrees is desired, release the button to stop movement at any time.





Chair Position Buttons

- The chair position buttons are located on the right and left caregiver keypads and on the footboard keypad.

Press and hold any chair position button to activate the chair position function. If less than the full chair position is desired, release the button to stop movement at any time.

If the full chair position is desired, continue pressing and holding the chair position button until movement stops. The green indicator light will turn on when the bed has reached the full chair position.

NOTE: If the user attempts to position the bed frame in the chair position and the reverse Trendelenburg angle exceeds 15 degrees while the SlideRail™ (one or both) is in the down position, movement will stop immediately and an alarm will sound. Raise each SlideRail to continue to the full chair position. Refer to page 105 of this manual for additional information.

NOTE: Simultaneous movement of the head and knee sections is achieved by pressing the chair position button until the desired position is reached. Using the chair position button is the only way to raise the head and knee sections simultaneously.





Flat (zero-degree) Buttons

The flat (zero-degree) buttons are located on the right and left caregiver keypads and on the footboard keypad.

Press and hold any flat button to begin flattening the head and foot sections. Release the button at any time to stop flattening.

NOTE: Pressing the flat button will also reduce the Trendelenburg or reverse Trendelenburg angle (if present) to zero (0) degrees.

If desired, continue pressing the flat button until all sections are completely flat and the bed frame is level with the floor.



Foot Extension Buttons



WARNING: Ensure the foot extension setting is compatible with the support surface length to prevent entrapment gaps.

A power-operated foot extension allows the bed deck to be extended up to 8 inches (20 cm) from the fully retracted position. The foot extension controls are located on the footboard and caregiver keypads.



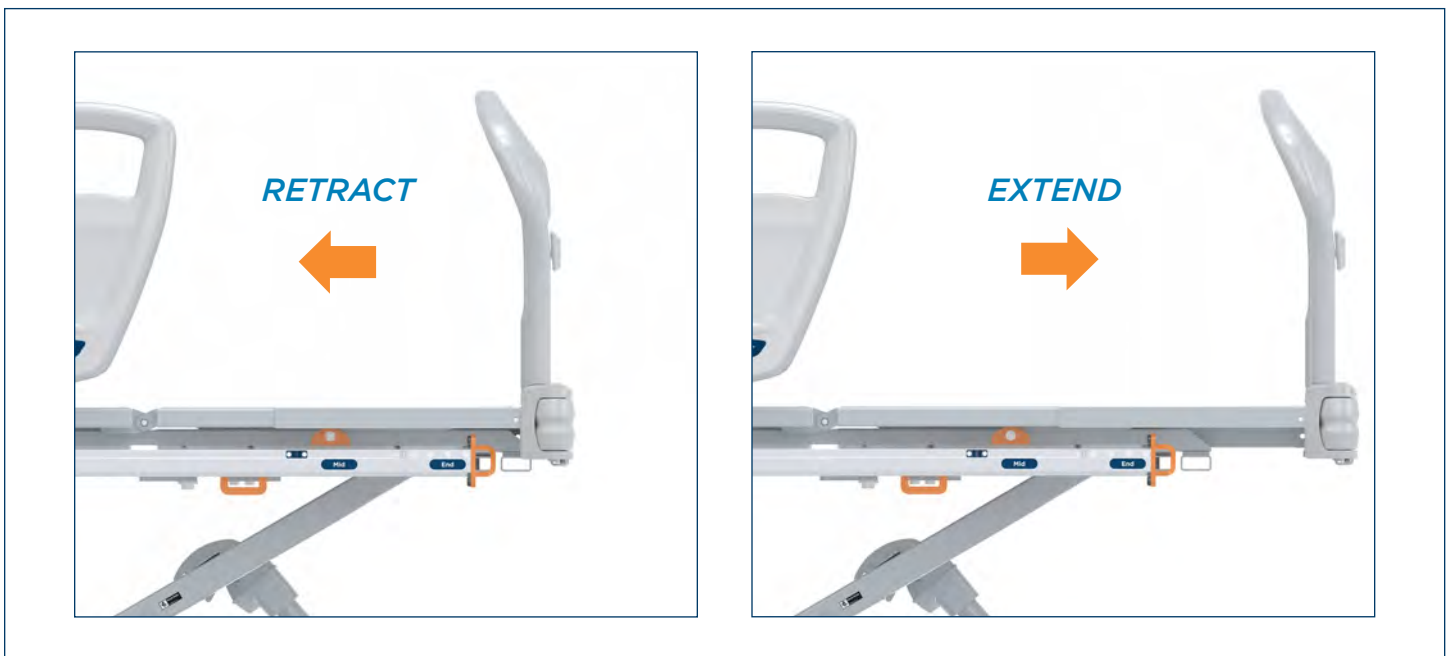
To extend the foot of the bed:
Press and hold the foot extension OUT button.



To retract the foot of the bed:
Press and hold the foot extension IN button.

Release either button when the foot extension has moved to the desired position.

The bed deck length (in inches) is shown on the footboard CareMetrix™ display and will vary depending on the amount of extension. Refer to page 82 for additional information.





Trendelenburg Buttons

The Trendelenburg buttons are located on the right and left caregiver keypads and on the footboard keypad.

Pressing any Trendelenburg button will begin moving the bed deck toward the Trendelenburg position. In this position, the entire bed deck is inclined, with the foot end elevated. Up to 15 degrees of reverse Trendelenburg angle is possible.

- Press and hold any Trendelenburg button to increase the amount of Trendelenburg angle (or to decrease the amount of reverse Trendelenburg angle).
- Release the Trendelenburg button at any time to stop movement.

NOTE: Movement will stop automatically if the bed frame is in the reverse Trendelenburg position and the angle is reduced to the zero (0) degrees position (level with the floor). When movement stops, release and press the Trendelenburg button to continue movement in the Trendelenburg direction.





Reverse Trendelenburg Buttons – RevTrend 20™

The reverse Trendelenburg buttons are located on the right and left caregiver keypads and on the footboard keypad.

Pressing any reverse Trendelenburg button will begin moving the bed deck toward the reverse Trendelenburg position. In this position, the entire bed deck is inclined, with the head end elevated. The RevTrend 20 feature allows up to 20 degrees of reverse Trendelenburg angle.

- Press and hold any reverse Trendelenburg button to increase the amount of reverse Trendelenburg angle (or to decrease the amount of Trendelenburg angle).
- Release the reverse Trendelenburg button at any time to stop movement.

NOTE: Movement will stop automatically if the bed frame is in the Trendelenburg position and the angle is reduced to the zero (0) degrees position (level with the floor). When movement stops, release and press the reverse Trendelenburg button to continue movement in the reverse Trendelenburg direction.

If the user attempts to position the bed frame at an angle of more than 15 degrees reverse Trendelenburg and the SlideRail™ (one or both) is in the down position, movement will stop immediately and an alarm will sound. Raise each SlideRail to continue increasing the reverse Trendelenburg angle up to an additional 5 degrees (20 degrees total). Refer to page 105 of this manual for additional information.





Vascular Position Buttons

The vascular position buttons are located on the right and left caregiver keypads and on the footboard keypad.

In the full vascular position, the head section is slightly elevated, the knee section is fully elevated and there is approximately 10 degrees of Trendelenburg angle.

Press and hold any vascular position button until the desired amount of vascular position is achieved. Release the button at any time to stop movement.

If the full vascular position is desired, press and hold the vascular position button, continuing until deck movement stops.





Underbed Light Buttons

Two underbed lights are located near the center of the bed frame. The lights illuminate the floor near the area of patient ingress and egress.

An underbed light button is located on both caregiver head siderail keypads, on the footboard keypad and on the hand control.

Press the underbed light button once to turn on the lights at high brightness. Press the button again for low brightness. Press the button again to turn off the lights. Pressing the underbed light button repeatedly will cycle through these three states.

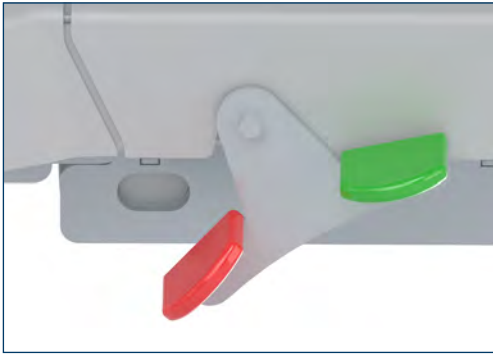
NOTE: The underbed lights will automatically turn on at high brightness when the bed exit alarm is activated. When the bed exit alarm is silenced, the underbed lights will return to their previous state.



Manual Brake Pedal Operation

A manual brake pedal with red and green tabs is located at each caster on the head end. This pedal controls operation of the casters and caster brakes. It has three positions:

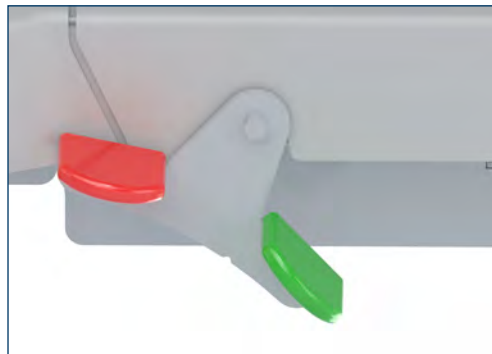
- Brake Mode (pedal pushed all the way toward red)
- Neutral Mode (pedal in the middle, half-way between the red and green positions)
- Steer Mode (pedal pushed all the way toward green)



BRAKE



NEUTRAL



STEER

NOTE: Operation of only one pedal (on right or left side of bed) will change the mode for all four casters.

Brake mode prevents the bed from moving. When brake mode is engaged, all four casters will be locked in their current positions and cannot roll or swivel.

Neutral mode allows the bed to be moved or repositioned. Brakes will be released and all four casters will be able to roll freely and swivel.

Steer mode makes it easier to push the bed down hallways and around corners. The two head end casters will be able to rotate freely and swivel. The two foot end casters will be locked in the straight position but will roll freely.

NOTE: If the two foot end casters are not in the straight position when steer mode is engaged, they will swivel into the straight position and lock into place automatically when the bed is first moved.

Electric Brake, Steer and Neutral Caster Modes

The caster mode buttons activate three electrically operated functions:

- Brake Mode
- Neutral Mode
- Steer Mode

The caster mode buttons are located on the right and left caregiver keypads and on the footboard keypad.



The PowerBrake™ wheel brake system prevents the bed from moving. To engage brake mode, press the brake button **for 1 second**. The green indicator light next to the button will turn on, confirming brake mode is activated. All four casters will now be locked in their current positions and cannot roll or swivel. The brake status indicator on the SafeGlance™ indicator lights (see page 60) will be solid green.



Neutral mode allows the bed to be moved or repositioned. To activate Neutral mode, press the neutral button **for 1 second**. The yellow indicator light next to the button will turn on, confirming neutral mode is activated. Brakes will be released and all four casters will now be able to roll freely and swivel. The brake status indicator on the SafeGlance indicator lights (see page 60) will be solid yellow.



Steer mode makes it easier for one person to push the bed down hallways and around corners. To activate steer mode, press the steer button **for 1 second**. The yellow indicator light next to the button will turn on, confirming steer mode is active. The two headboard end casters will be able to rotate freely and swivel. The two footboard end casters will be locked in the straight position but will roll freely. The brake status Indicator on the SafeGlance indicator lights (see page 60) will be solid yellow.

NOTE: If the two foot end casters are not in the straight position when the steer button is pushed, they will swivel and lock into the straight position automatically when the bed is first moved.

NOTE: A manual brake pedal is located on both sides of the bed at each head end caster. If desired, either pedal can be used as an alternative to the keypad buttons. Refer to page 80 of this manual for details of manual operation.

AutoLock™ Caster Brakes

The AutoLock brake feature will automatically apply the brakes on all four casters 60 seconds after the bed is connected to AC power. In addition, the brakes will also be automatically applied 60 seconds after the bed is placed in neutral or steer mode while connected to AC power.

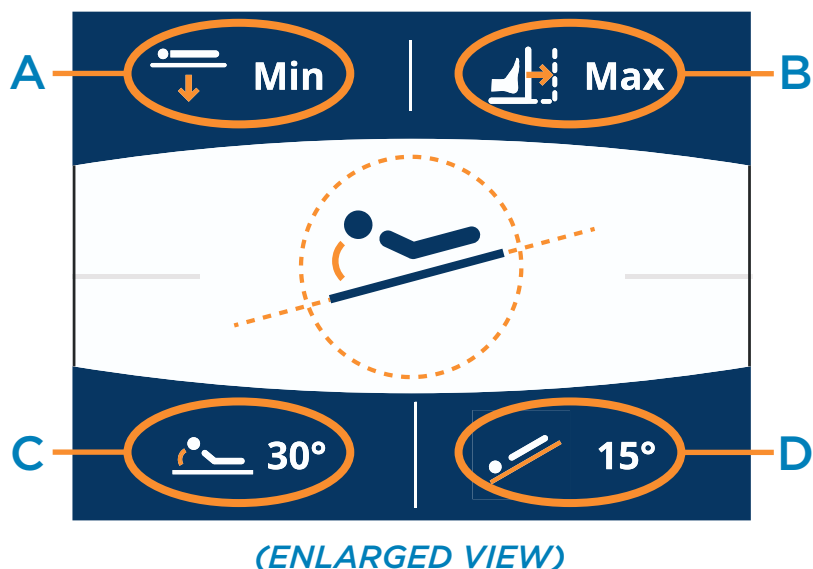
The caster brakes can be released at any time by pressing the neutral or steer button located on the footboard keypad or on the head siderail caregiver keypads.

Screens and Controls – CareMetrix™ Display



Home Button and Home Screen

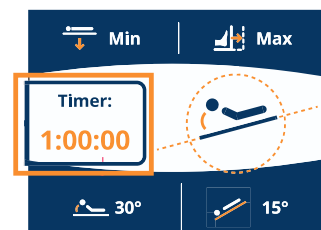
The CareMetrix home screen appears a few seconds after the bed is powered on. It also appears whenever the home button is pressed while the home screen is dimmed or dark.



The home screen displays the following information:

- **Bed Height** - The height of the bed deck above the floor (in inches) is shown in the upper left corner of the screen (See A). “Min” or “Max” will appear when the limits of motion are reached. Measurement does not include the additional height of raised head or foot sections.
- **Foot Extension** - The total length of the bed deck (in inches) is shown in the upper right corner of the screen (See B). “Min” or “Max” will appear when the limits of motion are reached. “Min” equals approximately 80 inches (203 cm). “Max” equals approximately 88 inches (223 cm).
- **Head of Bed Angle** - The lower left corner of the screen indicates the angle of the head section in degrees relative to the floor (See C). The center icon indicates “head up” when the head section is raised relative to the bed midframe and indicates “flat” when the head section is positioned at 0 degrees relative to the bed midframe.
- **Trendelenburg and Reverse Trendelenburg Angle** - The lower right corner of the screen displays the angle of Trendelenburg or reverse Trendelenburg in degrees (see D). The center icon indicates whether the deck is at a Trendelenburg or reverse Trendelenburg angle, or if the deck is flat.
- **Protocol Timer** - When the protocol timer is on, the left side of the screen displays the remaining hours and minutes. Refer to the Protocol Timer section of this manual for additional information.

NOTE: Pressing the home button while the home screen is active (not dimmed or dark) will cause the system to enter sleep mode and the display will become dark. Press the home button again (or any other footboard keypad button) to wake the system from sleep mode.



Screen Dim Mode

When the bed is connected to power, the home screen will appear on the display after a few seconds.

If no footboard buttons are pressed within 60 seconds when connected to AC power or 30 seconds on battery power, the display will dim. Press any footboard keypad button to brighten the display.

NOTE: A single button press will deactivate screen dim mode. A second button press will be needed to operate bed functions or to select menu items.

NOTE: Any active alarms or alerts will prevent the system from entering screen dim mode.

Sleep Mode

If no footboard buttons are pressed within 5 minutes when connected to AC power or 60 seconds on battery power, the system will enter sleep mode and the display will become dark.

Press any footboard keypad button to deactivate sleep mode. The home screen will appear automatically.

NOTE: A single button press will deactivate sleep mode. A second button press will be needed to operate bed functions or to select menu items.

NOTE: Any active alarms or alerts will prevent the system from entering sleep mode.

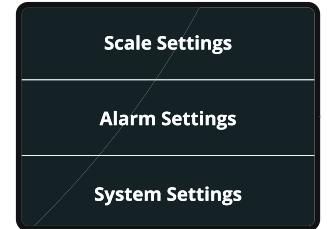
Main Navigation Buttons

Most system functions and settings can be accessed via the menu button and the main menu screen. The menu scroll up, menu scroll down, enter and back buttons are used to select various features and functions using the drop-down menus appearing on the CareMetrix display.



Main Menu

Press the main menu button.
The system main menu will appear on the display.



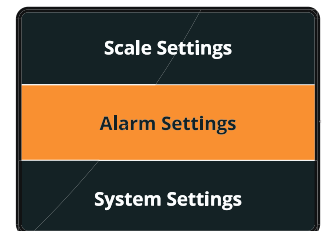
Menu Scroll Up/Down

Press the menu scroll up or menu scroll down buttons to select one of the following three choices:



- Scale Settings
- Alarm Settings (selected in the screen at right)
- System Setting

NOTE: The menu scroll up and scroll down buttons are also used with other menus and sub menus to perform various bed commands and functions.



Enter

Press the enter button to select the desired choice.

Whichever choice is selected, an additional drop down menu will appear, allowing further options. Menus and sub menus displayed will vary, depending on the main menu item selected. Refer to the following sections of this manual for additional information.



Back

To return to the previous screen, press the back button.



Alarm Silence Button

Pressing the alarm silence button will silence any continuous or repeating alarms for 3 minutes. If the condition causing the alarm is not addressed within 3 minutes, then the alarm will sound again and the alert screen for the alarm being activated will reappear on the display.

NOTE: For the bed exit alarm and protocol timer alarm, pressing the alarm silence button pauses the alarm and prompts the user for a further selection on the display. See Bed Exit Alarm and Protocol Timer Alarm sections of this manual for additional information.

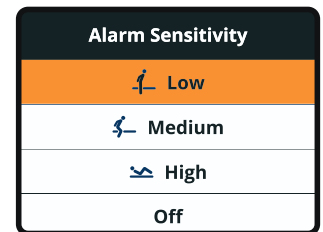
Shortcut Buttons



Bed Exit Alarm Shortcut Button

Press the bed exit alarm shortcut button to display the Alarm Sensitivity menu. Set the bed exit alarm by selecting the desired sensitivity level. If the bed exit alarm is currently set, the current sensitivity setting will be highlighted and can be changed. If desired, the bed exit alarm can also be deactivated using this menu.

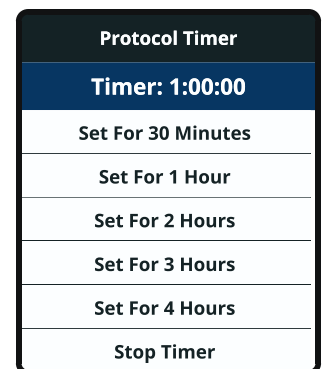
Refer to page 104 for additional bed exit alarm setting information.



Protocol Timer Shortcut Button

Press the protocol timer shortcut button to display the Protocol Timer drop down menu. To set the protocol timer, select the desired time interval. If the protocol timer is active, the current time interval will be highlighted and can be changed to a new time interval. If the timer is counting down and you wish to turn it off, then highlight over Stop Timer.

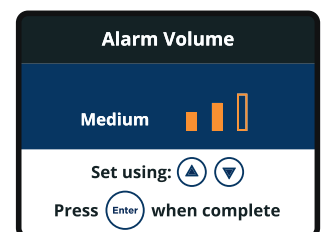
Refer to page 95 for additional protocol timer setting information.



Alarm Volume Shortcut Button

Press the alarm volume shortcut button to display the Alarm Volume menu. The current alarm volume setting will be displayed and can be changed if desired.

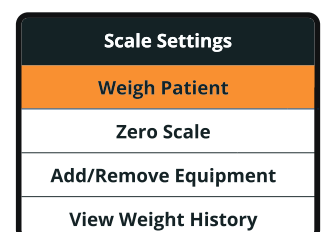
Refer to page 98 for additional alarm volume setting information.




Scale Settings Shortcut Button

Press the scale settings shortcut button to display the Scale Settings menu. The Weigh Patient selection will be highlighted.

Refer to page 85 for additional scale settings information.



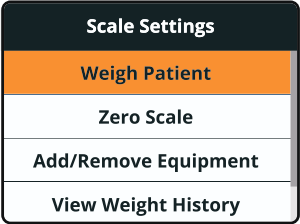
Scale Settings



WARNING: Do not use the scale system for medical treatment or to determine medication dosage.

Weigh Patient

Select Weigh Patient from the Scale Settings menu by pressing the enter button.



The Weigh Patient Required for Accuracy screen will appear.

IMPORTANT: For improved accuracy, ensure that both head and knee sections are flat. Also ensure the bed Trendelenburg/reverse Trendelenburg angle is set at zero (0) degrees. If needed, use the keypad buttons to make adjustments as required before pressing the enter button on the display.

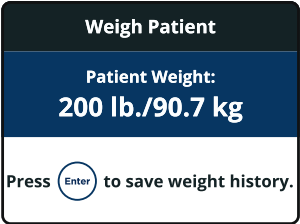


Press the enter button. A message will appear on the display “Weighing patient, please wait”. DO NOT touch the bed during the weighing process.



After a few seconds, the Patient Weight will be shown on the display in pounds (lb.) and kilograms (kg).

Press the enter button to save the patient weight to the system weight history.

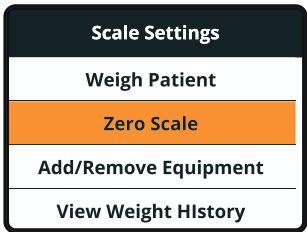


A check mark screen will briefly appear, confirming the patient weight has been saved to the Weight History record.



Zero Scale

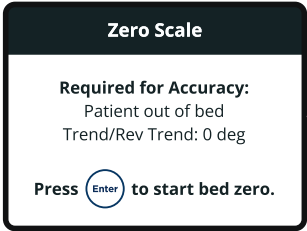
Select Zero Scale from the Scale Settings menu by pressing the enter button.



The Zero Scale Required for Accuracy screen will appear.

IMPORTANT: Before pressing the enter button:

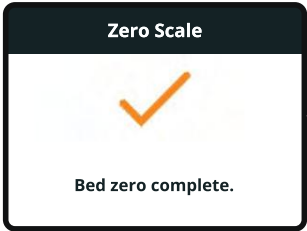
- Ensure that patient is not in the bed.
- For improved accuracy, ensure that both head and knee sections are flat. Also ensure the bed Trendelenburg/reverse Trendelenburg angle is set at zero (0) degrees. If needed, use the keypad buttons to make adjustments as required.



Press the enter button. A message will appear on the display “Zeroing scale, please wait”. DO NOT touch the bed during the zeroing process.



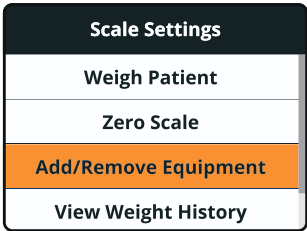
After a few seconds, the “Bed zero complete” message will briefly appear, confirming the Zero Scale process is done, This screen will be displayed for 3 minutes or until another button is pressed.



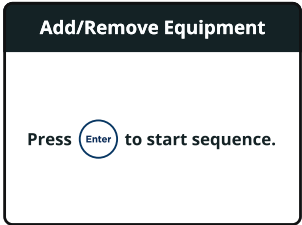
Add or Remove Equipment

NOTE: The Add/Remove Equipment sequence can be used to change equipment while the patient is in the bed. It keeps an accurate patient weight without the need to re-zero the bed.

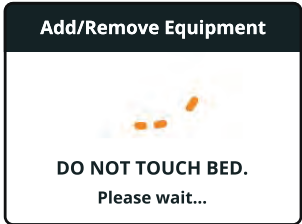
Select Add/Remove Equipment from the Scale Settings menu by pressing the enter button.



A message will appear on the display: “Press Enter to start sequence.”
Press the enter button.



A message will appear on the display: “DO NOT TOUCH BED. Please wait. . .”

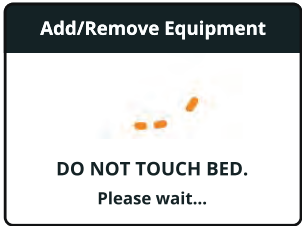


After a few seconds, another message, “Change Equipment Now.” will appear on the display.

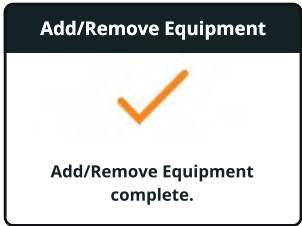
At this time, add or remove equipment as required.



After the equipment has been added or removed, press the enter button. The message “DO NOT TOUCH BED. Please wait. . .” will appear on the display.

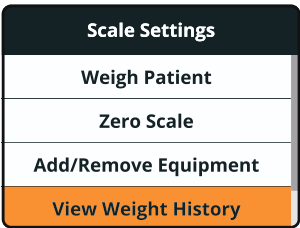


A check mark screen will briefly appear after a few seconds, confirming the Add/Remove Equipment process is complete.



View Weight History

Select View Weight History from the Scale Settings menu by pressing the enter button.



The Weight History screen will be displayed. A message will appear: “Loading Weight History. Please wait. . .”



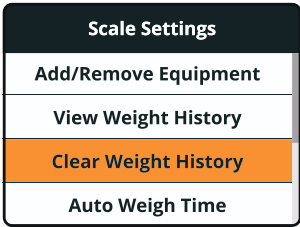
After a few seconds, the weight history will be shown on the display in pounds (lb.) and kilograms (kg). The most recently measured weight will be shown first. Scroll down to view previously measured weights.



When done, press the home button to return to the home screen.

Clear Weight History

Select Clear Weight History from the Scale Settings menu by pressing the enter button.



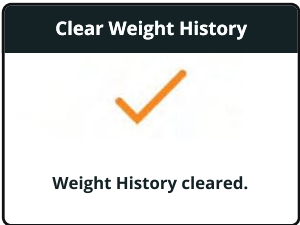
The Clear Weight History screen will be displayed. Press the enter button again to clear the weight history.



A message will appear: “Clearing Weight History. Please wait. . .”



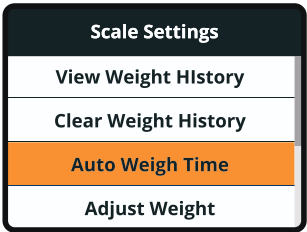
After a few seconds, a check mark screen will briefly appear on the display, confirming the weight history has been cleared.



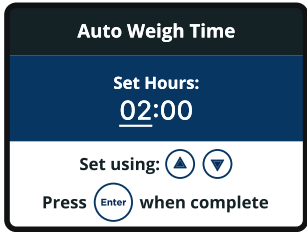
Set Auto Weigh Time

NOTE: The Auto Weigh function will automatically weigh the patient and record the weight into the system weight history. Auto Weigh Time is the time that the patient’s weight is saved to the weight history each day.

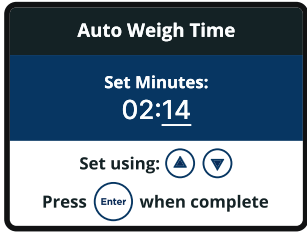
Select Auto Weigh Time from the Scale Settings menu by pressing the enter button.



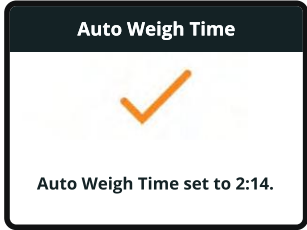
The Auto Weigh Time Set Hours screen will appear on the display. Using the menu scroll up and menu scroll down buttons, set the Auto Weigh Time hours and then press the enter button.



The Auto Weigh Time Set Minutes screen will appear on the display. Using the menu scroll up and menu scroll down buttons, set the Auto Weigh Time minutes and then press the enter button.



After entering the minutes and pressing the enter button, a check mark screen will confirm that the Auto Weigh Time has been set. After a few seconds, the Scale Settings menu will be displayed. Make an additional selection or press the home button to return to the home screen.



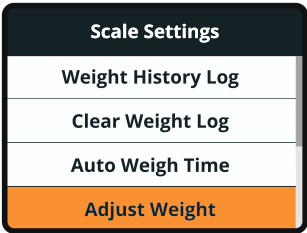
NOTE: The time will always be displayed in a 24-hour clock (e.g. 13:00 will be displayed for 1:00 pm).

Adjust Patient Weight

NOTE: It may sometimes be necessary to make an adjustment to the patient weight. For example, if the Zero Scale procedure was done incorrectly, resulting in inaccurate weights.

Ensure the patient is in the bed.

Select Adjust Weight from the Scale Settings menu by pressing the enter button.



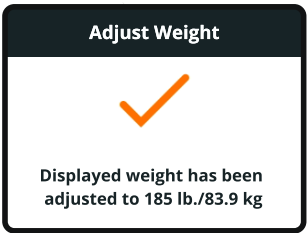
The message “Weighing patient, please wait.” will be displayed. DO NOT touch the bed during this process.



After a few seconds, the current weight will appear on the screen in pounds (lb.) and kilograms (kg).



Using the menu scroll up and menu scroll down buttons, readjust the patient weight to the correct amount. Press the enter button to save the new weight. A message will confirm the displayed (recorded) weight has been adjusted.



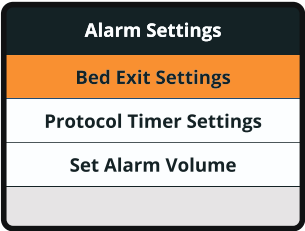
Bed Exit Alarm Settings



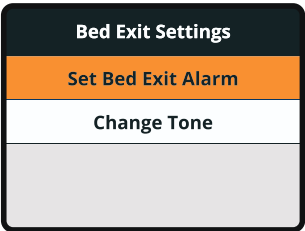
WARNING: The bed exit alarm is intended only to aid in the detection of a patient exiting the bed. The bed exit alarm does not replace patient monitoring protocols.

Set Bed Exit Alarm or Change Sensitivity

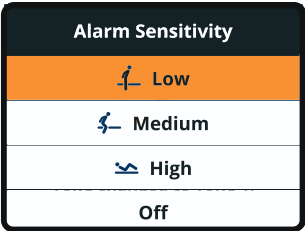
Select Bed Exit Settings from the Alarm Settings menu and press the enter button.



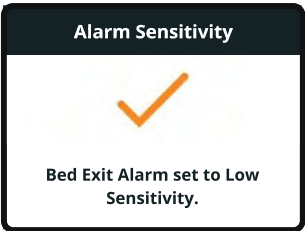
Select Set Bed Exit Alarm by pressing the enter button.



The Bed Exit Alarm Sensitivity menu will appear on the display. Using the menu scroll up and menu scroll down buttons, select Low, Medium or High to set the desired bed alarm sensitivity. To turn off (disable) the bed exit alarm, select Off. After making your selection, press the enter button.

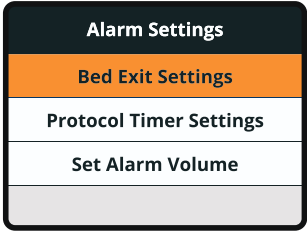


A check mark screen will briefly appear on the display, confirming your selection. The home screen will be displayed after a few seconds.

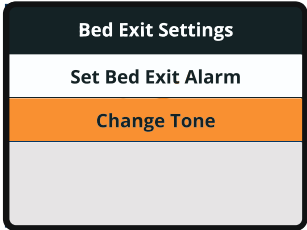


Change Bed Exit Alarm Tone

Select Bed Exit Settings from the Alarm Settings menu and press the enter button.



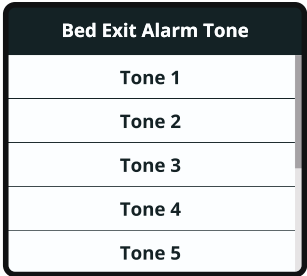
The Bed Exit Settings screen will appear on the display.
Select Change Tone by pressing the enter button.



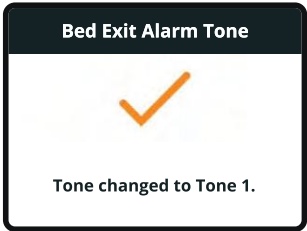
The Bed Exit Alarm Tone menu will appear on the display.
Using the menu scroll up and menu scroll down buttons, select the desired alarm tone from the menu (Tone 1 through Tone 5). Press the enter button.

NOTE: The selected tone will sound once when entering the screen and also when changing the selection.


NOTE: Tones 1 through 5 are the same tone options as available for the protocol timer.



A check mark screen will briefly appear, confirming the new tone selection. The Bed Exit Settings screen will then be displayed. Make an additional selection or press the home button to return to the home screen.



Protocol Timer Alarm Settings

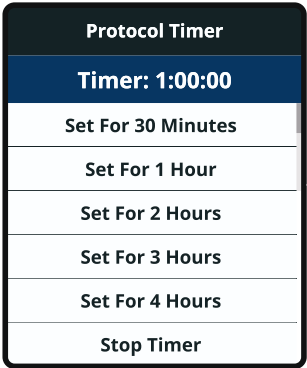


WARNING: The protocol timer function should not be used as the primary reminder for medical treatment.

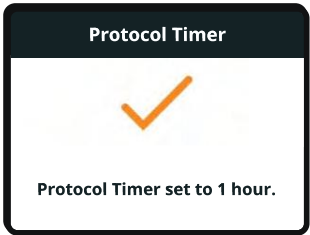
Set Protocol Timer Alarm

Press the protocol timer shortcut button. The Protocol Timer Settings drop down menu will be displayed.

A range of time interval settings will be shown, from 30 minutes to 4 hours. Using the menu scroll up and menu scroll down buttons, select the desired time interval and press the enter button.



A check mark screen will briefly appear, confirming your selection.



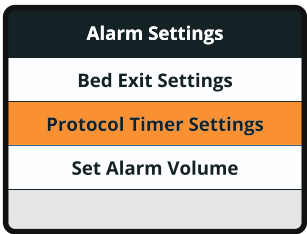
The home screen will then be displayed and the countdown timer status will be visible on the left side of the screen.



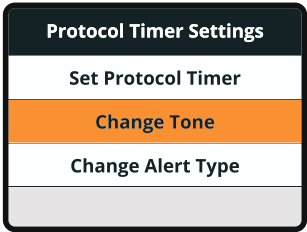
NOTE: The Protocol Timer Settings drop down menu can also be accessed through the main menu screen and its sub menus.

Change Protocol Timer Alarm Tone

Select Protocol Timer Settings from the Alarm Settings menu and press the enter button.



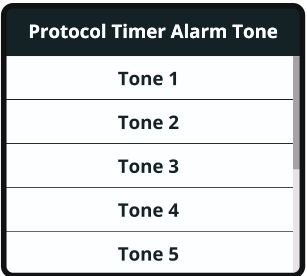
Select Change Tone by pressing the enter button. The Protocol Timer Alarm Tone menu will appear.



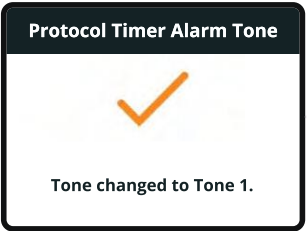
Select the desired alarm tone from the menu (Tone 1 through Tone 5). Press the enter button.

NOTE: The selected tone will sound once when entering the screen and also when changing the selection.

NOTE: Tones 1 through 5 are the same tone options as available for the bed exit alarm.

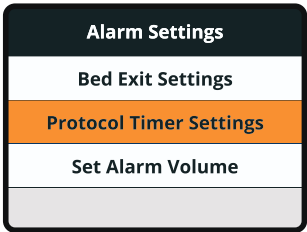


A check mark screen will briefly appear, confirming the new tone selection. The Protocol Timer Settings menu will then be displayed. Make an additional selection or press the home button to return to the home screen.

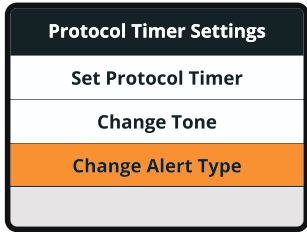


Change Protocol Timer Alert Type

Select Protocol Timer Settings from the Alarm Settings menu and press the enter button.

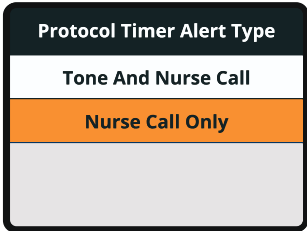


Select Change Alert Type from the Protocol Timer Settings menu by pressing the enter button. The Protocol Timer Alert Type menu will be displayed.

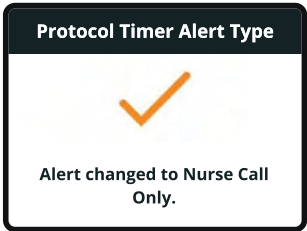


A list of two choices will appear: Tone And Nurse Call and Nurse Call Only. Select the desired alert type from the menu (Nurse Call Only is highlighted for this example). Press the enter button.

NOTE: The Tone And Nurse Call selection will emit an audible tone from the bed and also send a signal through the nurse call system. The Nurse Call Only selection will send a signal through the nurse call system but will not emit an audible tone from the bed. The bed must be connected to the nurse call system for the Nurse Call functions to operate.



A check mark screen will briefly appear, confirming the new alert type selection. The Protocol Timer Settings menu will then be displayed. Make an additional selection or press the home button to return to the home screen.

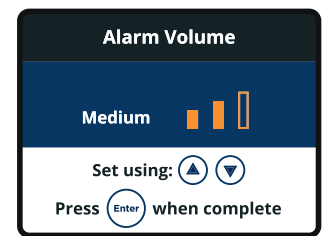


Set Alarm Volume

Press the Alarm Volume button.

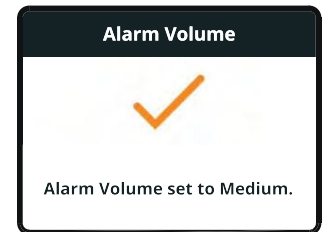
The Alarm Volume screen will appear on the display.

Using the menu scroll up and menu scroll down buttons, select low, medium or high volume.



Press the enter button. A check mark screen will briefly appear on the display confirming your setting. After a few seconds, the home screen will appear on the display.

NOTE: The Alarm Volume menu can also be accessed via the Main drop down menu and sub menus.



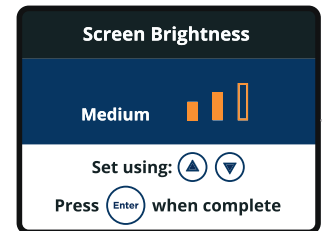
System Settings

Set Screen Brightness

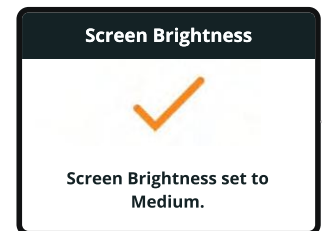
Select Screen Brightness from the System Settings menu. Press the enter button.

Using the menu scroll up and menu scroll down buttons, select low, medium or high brightness. Press the enter button.

NOTE: The screen brightness will adjust as you change the selection. You must press the enter button to save the selected brightness.

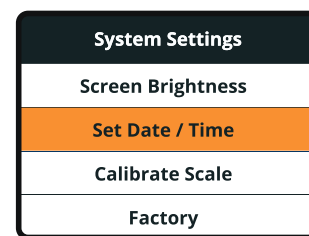


A check mark screen will briefly appear on the display confirming your setting. The home screen will then appear on the display.

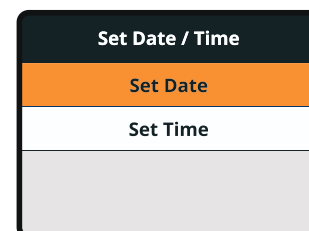


Set Date

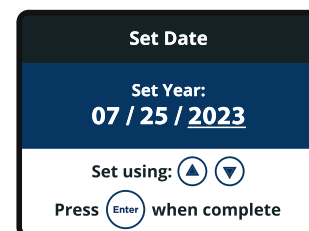
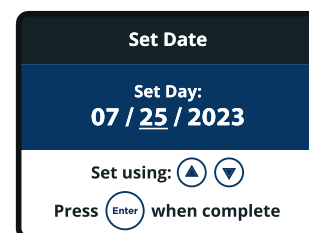
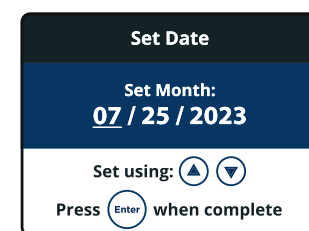
Select Set Date/Time from the Systems Settings menu. Press the enter button.



The Set Date/Time screen will appear on the display. Select Set Date by pressing the enter button.



Using the menu scroll up and menu scroll down buttons, set the month, day and year using the three Set Date screens. Press the enter button to complete each setting.

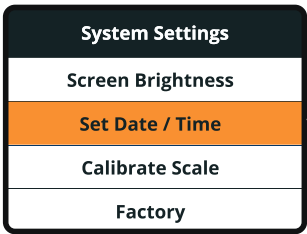


After entering the year, a check box screen will confirm that the date has been set. The Set Date/Time screen will reappear on the display after a few seconds. Press the home button to go back to the home screen.

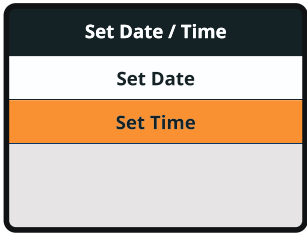


Set Time

Select Set Date/Time from the System Settings menu by pressing the enter button.



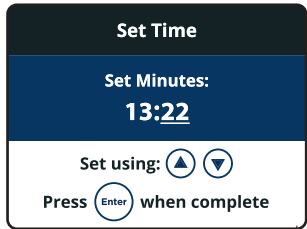
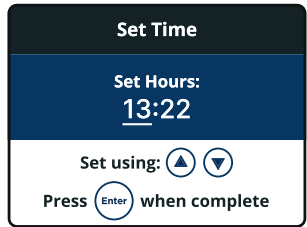
The Set Date/Time screen will appear on the display.
Using the menu scroll up and menu scroll down buttons, select Set Time by pressing the enter button.



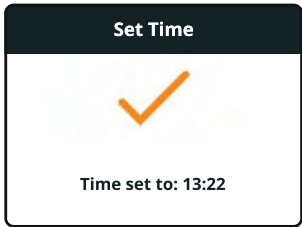
Using the menu scroll up and menu scroll down buttons, set the hours and minutes using the two Set Time screens. Press the enter button to complete each setting.

NOTE: The system time function contains no automatic daylight savings time feature. Hours must be reset manually when daylight savings time begins and ends.

NOTE: The time will always be displayed in a 24 hour clock (e.g. 13:00 will be displayed for 1:00 pm).



After entering the minutes, a check box screen will confirm the time has been set. The Set Date/Time screen will reappear on the display after a few seconds. Press the home button to go back to the home screen.



System Settings For Service Department Use

Two System Settings choices, Calibrate Scale and Factory, are password-protected and for Agiliti Service Department use only. These menu choices are visible but not available for users.

System Settings
Screen Brightness
Set Date / Time
Calibrate Scale
Factory

System Settings
Screen Brightness
Set Date / Time
Calibrate Scale
Factory

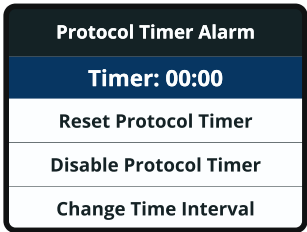
Alarms and Alerts

Protocol Timer Alarm

The protocol timer audible alarm will sound when the timer has counted down to zero (0:00). At this time, the Protocol Timer Alarm alert screen will also appear on the display.

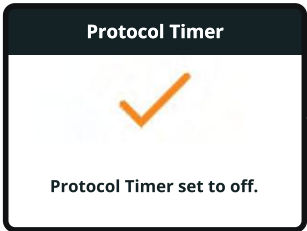


Pressing the alarm silence button will turn off the audible alarm and display a drop down menu with three selections: 1) Reset Protocol Timer 2) Disable Protocol Timer and 3) Change Time Interval.



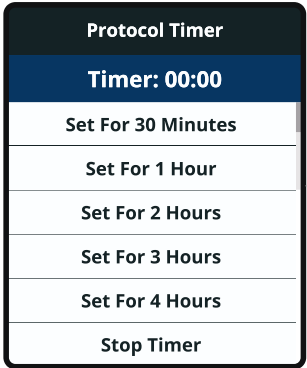
Selecting Reset Protocol Timer and pressing the enter button will reset the timer to the same time interval as previously selected. For example, if 1 hour was the previous time interval, the new interval will also be 1 hour.

Selecting Disable Protocol Timer and pressing the enter button will turn off (deactivate) the timer. A check mark screen will briefly appear, confirming the protocol timer is set to off.

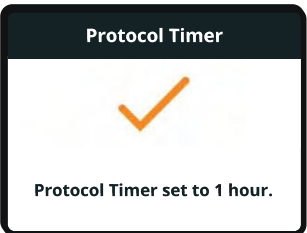


Selecting Change Time Interval and pressing the enter button will display a second drop down menu with several time interval choices. Select the desired time interval (from 30 minutes to 4 hours) and press the enter button.

NOTE: If the timer is counting down and you wish to turn it off, highlight Stop Timer and press the enter button.



A check mark screen will briefly appear, confirming your new time interval selection. The home screen will then be displayed, indicating the protocol timer setting.



Bed Exit Alarm

When enabled, the bed exit alarm will sound an alarm if the patient leaves the bed or if patient movement is sensed (depending on which alarm sensitivity level is selected).

When the bed exit alarm is activated, the Bed Exit Alarm alert screen will appear on the display.

To temporarily pause the bed exit alarm, press the alarm silence button. This will display a drop down menu with three selections: 1) Resume Monitoring 2) Pause For 10 Min. and 3) Disable Alarm. The enter button must be pressed to make a menu selection.

Select Resume Monitoring to reset the bed exit alarm. The user will have 30 seconds to properly position the patient in the bed.

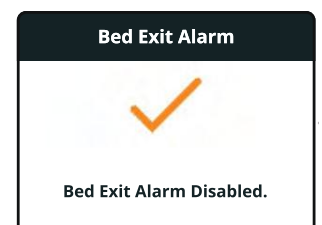
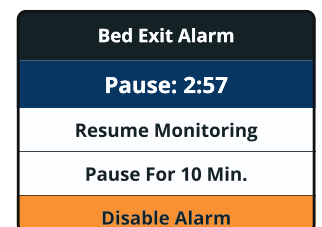
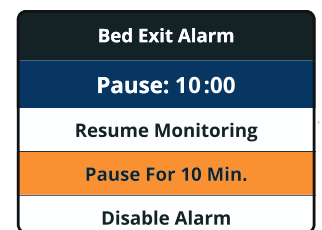
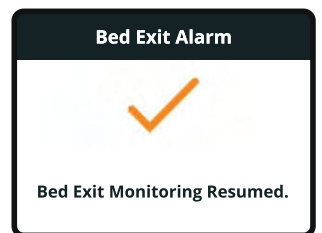
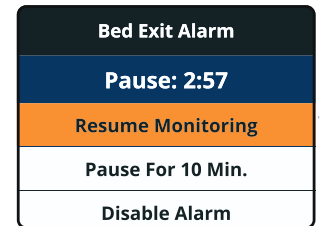
A message will appear on the display, "Bed Exit Will Resume After 30 Seconds".

After 30 seconds, the Bed Exit Alarm Monitoring Resumed check mark screen will be displayed, indicating bed exit alarm operation has been resumed. The home screen will appear on the display a few seconds later.

NOTE: If no patient is on the bed, the bed exit alarm will sound again.

Selecting Pause for 10 Min. will reset the pause timer to 10:00 (10 minutes, 0 seconds).

Selecting Disable Alarm will turn off the bed exit alarm. A Bed Exit Alarm Disabled check mark screen will appear on the display, indicating the bed exit alarm is disabled. After a few seconds, the home screen will appear on the display.



MotionStop 360™ Underbed Obstruction Alert

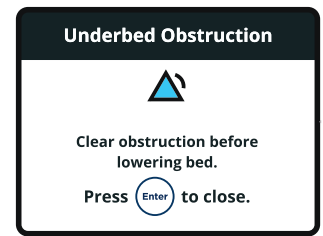
The MotionStop 360 Underbed Obstruction Alert stops the bed from lowering if an obstruction is detected between the bed lower frame and bed deck while one of the following keypad buttons is pressed:

- Bed Height Down Button
- Chair Position Button
- Trendelenburg Button
- Reverse Trendelenburg Button

When the Underbed Obstruction Alert is activated, the bed will immediately stop lowering and then move upward a short distance to offload the obstruction. This is a safety feature intended to prevent crush injuries and/or property damage.

In addition, when an underbed obstruction is detected, an audible beep will be heard and the “Clear obstruction before lowering bed.” message will appear on the footboard keypad display.

Removing the obstruction will allow the bed functions to operate. The display alert will reset after 1 minute or the user can press the enter button to clear the display.



Brakes Failed to Set Alert

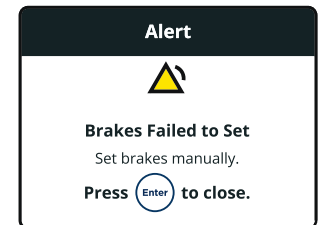
The Brakes Failed to Set Alert will be activated if the system detects that the electric caster brakes have failed to set after the brake button has been pressed or if the AutoLock™ brake fails to set. An audible alert will sound and the “Brakes Failed to Set” message will be visible on the display.

If this alert occurs, press and release the brake button again and check if the brakes have set.

NOTE: The brake button must be pressed for at least 200 milliseconds (0.2 seconds) to apply the brakes. A shorter press may result in failure of the brakes to set. If the brakes cannot be set electrically, they can be manually set using the pedal located on either of the head end casters.

Press the enter button to return to the previously selected screen.

Contact the Agiliti Service Department if the Brakes Failed to Set Alert occurs repeatedly.



Reverse Trendelenburg Interrupted Alert

The Reverse Trendelenburg Interrupted alert will occur if a SlideRail™ (one or both) or fixed mid siderail (one or both - if equipped) is in the DOWN position and the user attempts to adjust the reverse Trendelenburg angle to greater than 15 degrees.

Each SlideRail (or fixed mid siderail) must be latched in the UP position to allow adjustment of the bed to the maximum reverse Trendelenburg angle of 20 degrees (or full chair position).

If the Reverse Trend Interrupted Alert occurs, check that each SlideRail (or fixed mid siderail) is in the UP position.

The alert will be cleared when each SlideRail (or fixed mid siderail) is raised to the UP position or if they remain lowered and no action is taken for 1 minute after the alert has occurred. If desired, the alert can also be cleared by pressing the enter button.



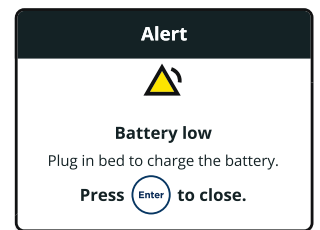
Battery Low Alert

The Battery Low Alert screen will appear on the display when the battery level drops to 20% of full charge. Additional alerts will be activated at 15% and 10% of full charge.

At 20% and 15% of full charge, a one-time audible alert will sound. At 10% of full charge, the audible alert will sound every 30 seconds.

If the Battery Low Alert screen appears, connect the bed frame AC power cord to an electrical outlet of the proper power rating. Then, press the enter button. The display will return to the previously selected screen.

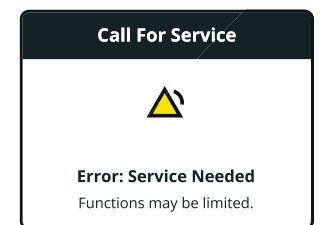
NOTE: The batteries will start charging immediately when the bed is connected to AC power. Up to 8 hours may be required for the batteries to become fully charged.



Call for Service/Error: Service Needed Screen

The Call For Service/Error: Service Needed screen will appear if the system experiences a serious problem or malfunction. If this screen appears, contact the Agiliti Service Department for assistance.

IMPORTANT: When this system error occurs, the bed frame will offer limited functionality and some features and functions will not be operational.



Return SlideRail™ to Home Position Screen (Essentia™ with SlideRail)

The Return SlideRail to Home Position screen will appear if either SlideRail is in the raised position while also in either the mid or end position. If this screen appears, move the SlideRail to the home position. The alert can be cleared by pressing the enter button or will automatically clear when the SlideRail is lowered. The display will return to the previously selected screen.

NOTE: There is no audible alert for this error condition.



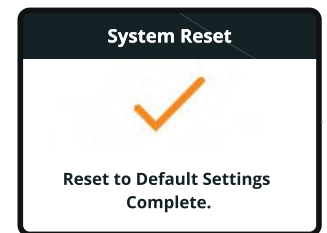
Advanced Settings

Reset to System Defaults

1. Ensure the bed frame AC power cord is connected to an electrical outlet and that the system is powered on.
2. Press and hold the alarm silence and menu scroll up buttons **SIMULTANEOUSLY** for **3 SECONDS**.



3. Verify that the System Reset to Default Settings screen appears on the display.







4. Wait a few seconds. Verify that the home screen appears on the display.



System default settings are shown in the following table:

Description	Status	Description	Status
Bed Exit Alarm	Off	Protocol Timer Alert Type	Tone And Nurse Call
Protocol Timer	Off	Alarm Volume Level	High
Bed Exit Alarm Tone	Tone 1	Auto Weigh Time	00:00 (midnight)
Protocol Timer Alarm Tone	Tone 2	Screen Brightness	High
Weight History Display	Cleared		

Patient Transport

	WARNING: Do not apply the brakes to slow or stop the bed frame while it is in motion.
	WARNING: Do not attempt to transport the bed frame laterally. This may cause it to tip.
	WARNING: Ensure feet are clear of the underbed area while moving or operating the bed.
	CAUTION: Use only the headboard and footboard to move the bed. Using siderails or other accessories to move the bed may result in damage and lead to a hazardous situation.




Before transporting the patient in the bed:

1. Raise all siderails to ensure patient safety during transport.
2. Raise or lower the bed deck to an appropriate height (as required) so that the bed can be easily pushed by the user.
3. Disconnect the bed frame AC power cord and the auxiliary outlet power cord from the wall outlet. Wrap cords around the cord wrap posts to prevent them from getting tangled. Ensure all equipment and cords are secured and will not obstruct bed movement.
4. Disconnect the nurse call cable (if present).
5. Engage the bed neutral or steer mode to release the brakes and allow the desired caster movement. Refer to the operating procedures on page 80 or 81 (as applicable for your bed model) for detailed instructions.

NOTE: Slide the foot extension inward as much as needed to facilitate bed movement during transport. The bed must be short enough to fit inside elevators, around corners, etc.

NOTE: Lower the bed height and/or adjust the IV pole height as required to ensure that IV pole and patient helper (if equipped) do not contact the top of the doorway.

Cleaning Instructions

	ELECTRICAL SHOCK HAZARD WARNING: Before cleaning and disinfection procedures are performed, unplug power cords from outlets to eliminate the possibility of electrical shock.
	CAUTION: The bed is not intended for automatic washing systems.
	CAUTION: The bed is not intended for use in jet stream washing.

Cleaning/Disinfection

To minimize the negative impact of cleaning agents:

- Contact time must be monitored and kept to the required time identified on the manufacturer's instructions.
- All cleaning solutions must be diluted in accordance with manufacturer's instructions.
- A potential of electric shock hazard exists with a power supplied product. Unplug the power cords from the outlets before cleaning and/or disinfection procedures are performed. Do not apply water or solution directly in or on the connectors.
- Configure bed frame in the desired position for cleaning and lock brake casters.

Recommended EPA-Registered Disinfectants

To address exposures and aid in preventing the spread of COVID-19, Agiliti recommends following CDC guidelines for use of EPA-registered disinfectants with a SARS-CoV-2 claim.

Clostridium difficile (C. diff) prevention: To address exposures and aid in preventing the spread of Clostridium difficile (C. diff), Agiliti recommends following CDC guidelines for use of EPA-registered disinfectants with a sporicidal claim, or properly diluted sodium hypochlorite.

The use of bleach-based solutions must be avoided whenever possible.

Bed Frame

- Perform hand hygiene using soap and warm water or hand sanitizer.
- Personal Protective Equipment (PPE) should be used as directed by the Safety Data sheet for the disinfectant.
- Prepare the disinfectant according to the manufacturer's recommendations.
- Use a coarse cloth dampened with the disinfectant solution to wipe the bed frame immediately after the manufacturer's recommended "wet contact time" has been reached.
- Avoid excessive moisture to prevent damage.
- Ensure that all surfaces remain wet with disinfectant for the manufacturer's required contact time.
- Rinse all surfaces with a clean cloth dampened with fresh water to remove chemical and organic residue.
- After cleaning, wipe all surfaces with a clean, dry cloth to remove excess moisture or residue and allow them to air dry.
- Remove disposable gloves and discard in the trash. Perform hand hygiene using soap and warm water, or hand sanitizer. Then remove eye protection.

Bed Electronics and Hand Controls

- Personal Protective Equipment (PPE) should be used as directed by the Material Safety Data Sheet for the disinfectant.
- Electronics and electrical components should be hand-cleaned only.
- To remove organic material and visible soil, wipe electronic components using a coarse cloth, dampened with the disinfectant solution prepared according to the manufacturer's recommendations.
- Avoid excessive moisture to prevent damage.
- Allow the electrical components and hand control to remain wet with disinfectant solution for the manufacturer's recommended contact time.
- Rinse all electrical components with a clean cloth dampened with fresh water to remove chemical and organic residue.
- After cleaning, wipe all surfaces with a clean, dry cloth to remove any moisture or residue.






Steam Cleaning

- This product may be steam cleaned to eliminate bacteria and/or bed bug infestations, if desired. When applying steam, avoid areas such as electrical connections and components, including scale meters, scale system components and hand and/or keypad controls that may be damaged by being exposed to excessive moisture and/or heat.
- Rinse all surfaces with a clean cloth dampened with fresh water to remove chemical and organic residue.
- After cleaning, wipe all surfaces with a clean, dry cloth to remove any moisture or residue.
- If necessary, the patient helper may be steamed.

Cleaning Blood and Other Bodily Fluids

Blood and other bodily fluids should be removed while wet, if possible. These substances are more difficult to remove once they have dried to surfaces. Remove dried blood and other excretions using ample disinfectant solution in order to moisten them and make surfaces easier to clean.

Checks and Inspections

	WARNING: Replacement and/or service of battery should be completed by only qualified service personnel.
	WARNING: Do not modify this equipment without authorization from the manufacturer. If equipment is modified, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.
	WARNING: Do not perform maintenance or service while a patient is on the bed.
	CAUTION: Use only approved replacement parts.
	CAUTION: Ensure maintenance and installation are performed exclusively by qualified personnel.

Overview

- Refer to the Recommended Between Patient Checks and Inspections section (see below) and the Preventive Maintenance section (see next page).
- If any items are loose, worn, bent or corroded, immediately have them checked and/or repaired by an authorized Agiliti technician. Regular routine maintenance and service of your Essentia™ bed will help to improve the bed's performance and extend its useful life.
- To immediately disable power to the bed frame, disconnect both power cords from the wall outlet, and disconnect the cable from the batteries to the control box.

Recommended Between Patient Checks and Inspections

- Inspect the bed frame for damage and ensure it operates smoothly.
- Verify each function operates properly, including but not limited to all electronic controls, CPR release handle, siderails and MotionStop 360™.
- Verify hand control operates fully.
- Ensure siderails latch properly.
- Ensure the brake casters lock effectively.
- Ensure the settings are set to align with facility protocol (e.g. alarm tones, alarm volume etc.).
- System defaults should be reset between patient use, if appropriate. See page 107 for the procedure explaining how to reset to system default settings.
- If a reset to system defaults is not performed, ensure the protocol timer alert type is set to “Tone and Nurse Call”.
- Ensure the date and time are accurate. See pages 100 and 101 for date and time setting instructions.
- Ensure the scale functions properly.
- Ensure all power and hand control cords are free of damage. Ensure they are fastened in a manner to keep them away from moving, rotating or pinching parts.

IMPORTANT: If a problem is detected, contact an authorized Agiliti technician.

Preventive Maintenance



WARNING: The annual preventive maintenance inspection (PMI) should only be performed by an authorized Agiliti technician or other designated individual with appropriate training and certifications. Failure to observe and follow this instruction may result in personal injury or damage to equipment.

Agiliti recommends that a preventive maintenance inspection (PMI) be performed every 12 months by an authorized Agiliti service technician. This annual activity will help verify that the bed operates as designed and can help identify components and sub-assemblies which may require maintenance, repair or replacement. The PMI includes a combination of visual inspections, performance evaluations and operational checks.

Items evaluated in the PMI include:

- Bed frame, structure and related components
- Fasteners, spacers and other hardware
- Controls, indicators and CareMetrix™ display
- Bed system functions
- Actuator functions
- Casters and caster brakes
- Headrail, footrail and siderails
- Battery backup system
- Optional accessories

NOTE: This should not be considered as an all-inclusive list. The specific items to be checked and/or inspected will vary, depending on bed frame model, configuration, installed accessories and other factors.

Troubleshooting

NOTE: If troubleshooting process does not resolve the problem, please contact the Agiliti Service Department.

Symptom(s)	Troubleshooting Procedure
One or more functions are unresponsive	<ul style="list-style-type: none"> • Ensure the bed frame AC power cord (black power cord) is plugged into an appropriate power source and that batteries are fully charged. • Ensure bed frame AC power cord (black power cord) connection at the cord/bed interface is securely plugged into the AC box. • Ensure all lockout buttons located on the footboard or head siderail keypads are unlocked. • Ensure hand control is connected to one of the two hand control connections at the head of the bed (see page 38). • Inspect hand control and cord for damage. • Check the CareMetrix™ display for alerts. If an alert is present, follow the instructions on the screen and test the bed movement function again. <p>NOTE: If the bed frame remains unresponsive, perform the Reset to System Defaults procedure (see page 107).</p>
Bed functions cease after repeated use	<ul style="list-style-type: none"> • Actuators may have overheated, wait 10 minutes and try again.
CareMetrix display screen is off	<ul style="list-style-type: none"> • Ensure the bed frame AC power cord (black power cord) is plugged into an appropriate power source. • Ensure footboard is fully in place and flush with the bumper. • If footboard is not fully in place, remove and re-install it.
No power to auxiliary outlets	<ul style="list-style-type: none"> • Ensure the auxiliary power cord (gray power cord) is plugged into an appropriate power source.
No audible protocol timer alarm heard in the room	<ul style="list-style-type: none"> • Ensure the protocol timer alert type is set to “Tone And Nurse Call” (see page 95).
Inaccurate bed exit alarm and/or scale	<ul style="list-style-type: none"> • Zero the scale: Ensure the patient is off the bed and all equipment is on the bed prior to zeroing the scale. • For improved accuracy during zeroing procedure, ensure the bed is in a level position relative to the floor.
Bed will not lower	<ul style="list-style-type: none"> • Check for underbed obstruction and remove if necessary.

Storage and Disposal



WARNING: Do not expose the battery to excessive heat.

- The bed frame should be stored in a dry location so that the components do not become contaminated with moisture. If the bed frame is stored for any period of time, make sure all components are in working order before using the product.
- End-of-life Agiliti products must be disposed of according to local laws and regulations. If your product contains a battery and/or electronic components, disposal of those components must be completed separate from standard waste disposal. Please contact Agiliti or your local authorities for disposal and recycling options.
- The battery may require recycling in accordance with local laws. Contact a local recycling center for proper battery disposal or local regulatory authorities for more information.

Frequently Ordered Parts and Accessories

Description	Part Number	Notes
Power Cord, AC/Mains, 120V Black, 10 ft (3.0 m)	65-07-0280	Straight plug
Power Cord, AC Auxiliary Outlets, 120V Gray, 10 ft (3.0 m)	65-07-0285	Straight plug
Power Cord, AC/Mains, 120V Black, 10 ft (3.0 m)	65-07-0460	Right angle plug
Power Cord, AC Auxiliary Outlets, 120V Gray, 10 ft (3.0 m)	65-07-0465	Right angle plug
IV Pole	27000465	
Patient Helper	65-04-7000	
Hand Control	27008920	

Limited Product Warranty

D-L00-001 Rev. 5

Essentia™

(Product No. 65-05-0010 and 65-05-0015)

PLEASE READ THESE WARRANTY TERMS AND CONDITIONS CAREFULLY BEFORE USING YOUR AGILITI PRODUCT. BY USING THE PRODUCT, YOU ARE CONSENTING TO BE BOUND BY THE FOLLOWING WARRANTY TERMS AND CONDITIONS.

Limited Warranty

Raye's, Inc dba Sizewise Manufacturing ("Sizewise Manufacturing") warrants the above referenced product to be free from material defects in materials and workmanship for the warranty periods set forth below when the product is used and serviced properly in accordance with the specifications set forth in the Agiliti user manual in effect at the time of sale of the product, including without limitation the safety instructions and if applicable the safe working load and weight limitations set forth therein. If there is no period of time specified below, the warranty period shall be ninety (90) days. Unless agreed to otherwise in writing by Sizewise Manufacturing, the warranty periods commence on the invoice date of the original purchase. This warranty applies only against defects discovered within the warranty period and extends only to you, the Buyer. As used in this warranty, Buyer means the original purchaser or original end user of the product designated at the time of purchase. Any reference to "you" is as the Buyer. Parts repaired or replaced under the terms of this warranty will be warranted for the remainder of the original warranty period only. Buyer is solely responsible for determining whether the products and services offered by Sizewise Manufacturing are appropriate for their intended use including use by Buyer's employees, invitees, contractors, representatives, third party beneficiaries, or any other person Buyer intends to use the product. Buyer acknowledges it has made the selection of the products based upon its own judgment and that the product is of a size, design, capacity, condition, quality, and durability selected by Buyer. Buyer expressly disclaims any reliance upon any statements or representations made by Sizewise Manufacturing or any other party on its behalf except as otherwise specifically provided for in this Limited Product Warranty. Buyer acknowledges and agrees that the remedy in this warranty for the repair and replacement of defective product or part(s) shall constitute the sole remedy in the event of a defective product or part(s).

THE WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE. Sizewise Manufacturing's obligations under this warranty are limited as set forth below.

Warranty Coverage Period

Item	Warranty
Bed Frame	5 years
Parts/Electronics	1 year
Welds	10 years

Conditions and Restrictions

The warranty applies to this product only while it remains in the possession of the Buyer and proof of purchase is demonstrated. Further, the warranty only applies so long as the product has not been subjected to accident, misuse, abuse, improper service, or modification.

This warranty is valid only in accordance with the conditions set forth below:

- Any warranty claims must be made within the warranty period.
- This warranty does not apply to any other products or devices sold separately regardless of whether used with this product. Such other products or devices, to the extent sold with a warranty, will be subject to the separate limited product warranty set forth in the user manual for such product or device.
- Sizewise Manufacturing's sole liability shall be discharged by replacing or repairing, at Sizewise Manufacturing's option, the product or its part or parts which are determined by Sizewise Manufacturing to be defective under normal and proper use during the warranty period.
- Buyer shall notify Sizewise Manufacturing or the authorized Sizewise Manufacturing dealer immediately but in no event later than seven (7) days after the date of discovery of any alleged defect by contacting Sizewise Manufacturing Parts and Service at 800-814-9389, Monday through Friday 8am-5pm local time.
- If the product or part should be returned to Sizewise Manufacturing, a return authorization number (RA#) must be obtained by Buyer from Sizewise Manufacturing. The RA# will be valid for 21 days from the date it is issued.
- Buyer is responsible for any shipping, freight, handling, pickup, or delivery charges or fees, including without limitation, any expediting fees involved with the delivery of the defective product or parts to Sizewise Manufacturing's factory for repair or replacement.
- If on-site technical service is required, as determined by Sizewise Manufacturing, a service representative will be dispatched during Sizewise Manufacturing's standard service hours Monday through Friday 8am-5pm local time, provided the product is located within Sizewise Manufacturing's service territory.
- If Sizewise Manufacturing determines the problem with the product or part(s) is a result of defective material or workmanship, the product or part will be replaced or repaired at the discretion of Sizewise Manufacturing, and at no charge to the Buyer; however, this is subject to the limitations and exclusions of this Limited Product Warranty.
- At the election of Sizewise Manufacturing, replacement parts may be new or refurbished; Sizewise Manufacturing reserves the right to substitute materials if original materials are no longer available.
- If Sizewise Manufacturing determines the product or part that Buyer has requested warranty services on are not covered by the warranty for any reason including, without limitation, because it is outside of the warranty period, excluded from the warranty, or the warranty is void, Buyer shall pay for the repair or replacement services, including parts and labor performed by Sizewise Manufacturing at Sizewise Manufacturing's prevailing time and material rates plus freight and delivery.
- If Buyer declines the repair or replacement service upon notice from Sizewise Manufacturing that it is not covered under warranty, Buyer shall reimburse Sizewise Manufacturing for all costs from investigating and responding to Buyer's request.
- Any costs to Buyer as referred to herein shall be at Sizewise Manufacturing's prevailing time and material rates plus any freight and delivery charges incurred by Sizewise Manufacturing.
- Any assistance provided by Sizewise Manufacturing outside the terms of this warranty does not waive the limits of this warranty.
- Sizewise Manufacturing does not pay labor outside the United States.
- Any description of Sizewise Manufacturing's products is for identification purposes only and is not an express warranty.
- Loaned products, demo or sample products, and/or consumable products including without limitation batteries and sheets are furnished to Buyer on an "AS IS WITH ALL FAULTS" basis.

Exclusions and Limitations

This Limited Product Warranty shall not apply to the below listed events, occurrences, actions and/or items. Sizewise Manufacturing shall have no obligation to make repairs, replace, or correct products including any part or parts of the product as the result of Sizewise Manufacturing's determination of any of the following:

- Software (PROM (Programmable Read Only Memory)) or firmware version upgrades or updates or any other changes and/or any outages, interruptions, delays, attacks, malware, or any other technology or viruses on such software or firmware or Buyer's network, if applicable to this product.
- Normal wear and tear of the product including, without limitation, normal discoloring, body impressions on support surfaces or loss in some resiliency, if applicable to this product, and/or any cosmetic items, consumable items including, without limitation, mattresses, casters, sheets, handsets, and batteries as these items are not covered by this warranty.
- Damage due to improper transport, storage, installation, maintenance, use, repair, or failure to follow Sizewise Manufacturing's instructions or procedures as detailed in the user manual.
- Damage or malfunctions resulting from work performed by service providers not authorized by Sizewise Manufacturing.
- Repairs performed on an Agiliti product or parts missing a serial number or with a serial tag that has been altered, tampered with, or defaced in any manner.
- Service calls to correct installation of the product, unless installed under contract by Sizewise Manufacturing or its partners and with regard to installation, the terms of the service contract shall only apply to service installation corrections, not this warranty.
- Shipping, freight, handling, pickup, and delivery charges or fees involved with delivery of the products and or part(s) to Sizewise Manufacturing's factory for repair or replacement and returning the replacement or repaired products and/or parts to Buyer.
- Any labor costs incurred beyond the applicable labor warranty period.
- Damage or product failure from causes external to the product or part(s) including, without limitation, power or electric failure or surges, electrical wiring not in compliance with electrical codes, or Sizewise Manufacturing user manual specifications.
- Damage caused by failure to provide reasonable and necessary maintenance as outlined in the user manual.
- Damage caused by the use, misuse, negligence, loss, or abuse of the product or any parts by Buyer, including without limitation any third-party beneficiaries, end user, caregivers, patients, or any others that Buyer intends to use the product, including, without limitation, (except Sizewise Manufacturing or an authorized Sizewise Manufacturing service provider):
 - exceeding any specified weight limitations in any product documentation such as the user manual and, including without limitation as applicable to the product, the Safe Working Load, Maximum Patient Weight, and/or Maximum Load as those terms are defined in the product documentation, user manual and by applicable regulations, to the extent the product specifies a minimum load/weight criteria including without limitation a Minimum Patient Weight in order for it to function properly, then any use not in compliance therewith.
 - cleaning upholstery or fabrics with unapproved harsh chemicals, or bleach, outside the recommended cleaning guidelines,
 - altering, tampering with, or modifying in any manner without the express written consent of Sizewise Manufacturing any part(s) or structural components or appurtenances of the products,
 - use of the product or part(s) in any manner for which it is not designed or in any manner inconsistent with the information set forth in the Sizewise Manufacturing user manual, including, without limitation, use with other devices, accessories, cables or ancillary products including without limitation inappropriate replacement parts and/or repairs, for which it was not intended.
- Exposure of the product or part(s) to accident, acts of God, or natural causes (such as natural disasters, fire, flood, wind, water or power failures, or any acts or threats of terrorism, both domestic and foreign) whether foreseen or unforeseen.
- Operation of the product beyond its normal useful life.
- Buyer's failure to show proof of purchase.

- Products or items not manufactured by Sizewise Manufacturing. Rather, for products or items obtained by Sizewise Manufacturing from an original manufacturer or third-party supplier, Sizewise Manufacturing may assign to the Buyer any warranty rights in such products or items that Sizewise Manufacturing may have from the original manufacturer or third-party supplier to the extent such assignment is allowed by the original manufacturer or third-party supplier.

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Exclusive Remedies

For any product described above that Sizewise Manufacturing determines to have failed to conform to this limited warranty, Sizewise Manufacturing will provide, at its option, one of the following:

1. Repair.
2. Replacement; or
3. Refund of the purchase price.

Sizewise Manufacturing Limited Product Warranty service may be obtained by contacting Sizewise Manufacturing or the authorized dealer from whom Buyer purchased the item. Sizewise Manufacturing compensates only Sizewise Manufacturing-authorized service providers for warranty trips within their normal service area to repair commercial products at the customer's location.

THESE SHALL BE THE SOLE AND EXCLUSIVE REMEDIES OF THE BUYER FOR ANY BREACH OF WARRANTY.

Exclusion of Consequential and Incidental Damages

SIZEWISE MANUFACTURING AND/OR ITS SUPPLIERS SHALL HAVE NO OBLIGATION OR LIABILITY, WHETHER ARISING IN CONTRACT (INCLUDING WARRANTY), TORT, OR ANY OTHER LEGAL THEORY (INCLUDING ACTIVE, PASSIVE, OR IMPUTED NEGLIGENCE AND STRICT LIABILITY), OR OTHERWISE, FOR DAMAGE TO THE PRODUCT INCLUDING PART(S), PROPERTY DAMAGE, DEATH, PERSONAL INJURY, LOSS OF USE, GOODWILL, REVENUE OR PROFIT, COST OF CAPITAL, COST OF SUBSTITUTE PRODUCT, ADDITIONAL COSTS INCURRED BY BUYER (BY WAY OF CORRECTION OR OTHERWISE), OR ANY OTHER INCIDENTAL, SPECIAL, INDIRECT, COMPENSATORY, OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, WHETHER RESULTING FROM NONDELIVERY, USE, MISUSE, OR INABILITY TO USE THE PRODUCT, SERVICES OR PART(S). This exclusion applies even if the above warranty fails of its essential purposes and regardless of whether such damages are sought for breach of warranty, breach of contract, negligence, or strict liability in tort or under any other legal theory. SIZEWISE MANUFACTURING LIABILITY SHALL under no circumstance exceed THE AMOUNT PAID BY BUYER FOR THE RELEVANT defective PRODUCT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSION ON SUCH MAY NOT APPLY to you.

Extended Warranty

If the product covered under the Limited Product Warranty set forth herein had from Sizewise Manufacturing an extended warranty option made available only at the time of the Buyer's original purchase from Sizewise Manufacturing, Buyers who then also purchased such extended warranty, and have proof of such purchase, may extend the warranty period stated above in the Limited Product Warranty on parts, electronics, frame, and labor relating to parts, electronics, and frame repairs, as applicable, for an additional one (1) or two (2) years, whichever extension is purchased by Buyer ("extended warranty period"). Other than the extension on the warranty period, all other terms of the limited product warranty including without limitation the conditions and restrictions, exclusions and limitations, disclaimer and release, and exclusion of consequential and incidental damages of the original limited product warranty apply during the extended warranty period. For the purpose of clarity, an extended warranty is not available where the original warranty period is less than one (1) year, and an extended warranty may only be purchased by Buyer at the time of the original purchase of the product from Sizewise Manufacturing.

To make a warranty claim, contact:

RAYE'S, INC. DBA SIZEWISE MANUFACTURING
PO BOX 320
ELLIS, KS 67637

Call 800-814-9389 Monday through Friday 8am-5pm local time.

Complete this portion and keep for your records.

Purchased from: _____

Product Model: _____

Serial Number: _____

For service or support, call 800-814-9389.

All specifications, equipment and prices are subject to change without notice. Photos and drawings are representative of the products and may vary slightly from actual production models. All content Copyright Agiliti Health, Inc.

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